FINAL WELL REPORT

ESSO AUSTRALIA PETROLEUM CO.

Conger No.1

Offshore BASS STRAIT, VICTORIA

February to March 1989

by

EXPLORATION LOGGING Australia LTD.

CONTENTS

		page
1.	INTRODUCTION	
	a. Well and Rig Data	1
	b. Prognosis	2
2.	DRILLING AND ENGINEERING	
	a. Well History	3
	b. Bit Optimisation	9
	c. Hydraulics Optimisation	12
	d. Borehole Condition	14
3.	PRESSURE EVALUATION	
	a. Formation Fracture Pressure	16
	b. Formation Pore Pressure	17
4.	GEOLOGY AND SHOWS	18
5.	TESTING AND EVALUATION	
	a. Wireline Logs	20
	b. Coring	20
6.	DATA INVENTORY	21
7.	CONCLUSIONS	22

APPENDICES

A. Drilling Data Pressure Plot 1:2500

B. Temperature Data Pressure Plot 1:2500

C. Wireline Data Pressure Plot 1:2500

D. Pressure Evaluation Plot 1:5000

E. Drilling Data Printout

F. Drill Data Plot 1:2500

G. Drill Cost Plot 1:2500

H. Daily Geological-Engineering Reports

I. Weekly Geological-Engineering Reports

J. Hydraulics Printouts

K. Formation Evaluation Log

L. Tables

1. Casing and Cementing Data
2. Drilling Fluid Properties
3. Bit Data
4. Hydraulics Data

INTRODUCTION

a. Well and Rig Data

Operator:	ESSO Australia Ltd.
Well Name:	Conger No.1
Location:	Offshore Bass Strait, Victoria
Position:	Lat: 38 deg 21' 27.21" South Long: 148 deg 03' 46.59" East
Field:	Exploration
Rig:	Southseas Drilling / "Southern Cross" Semi-submersible
RKB - MSL:	21 metres
RKB - SB:	86 metres
Spud Date:	25th February 1989
Total Depth:	2970 metres
Completion Date:	16 March 1989
Completion Status:	Plugged and Abandoned.
Exlog Unit:	244, GEMDAS X
Crew - Gemdas:	B. Munro, D. New, R. O'Neill
Logging:	P. Greene, M. Sale, A Tariff
Tritium:	G. Dawson, D. Lowe, M. Ensor, J. Meehan

b. **Prognosis**

Conger No. 1 was an exploration well to be drilled approximately 21km to the SW of the Marlin "A" production platform. The well was programmed to reach a depth of 3021m below RKB in approximately 30 days from spud.

The Conger Prospect is a WNW-ESE trending fault block with high-side closure and down-thrown to the NE. The primary objective of the Conger No.1 well was to evaluate the hydrocarbon-bearing potential of the "M.diversus" and"L.L.balmei" sections below the 51.5 Ma sequence boundary. 54 MBOIP and 60 GCF GIP were expected to be present in 5 sands with gross thickness between 5 and 12m.

Exploration Logging provided a Geological Engineering Monitoring and Data Acquisition System service, with Formation Logging and Pressure Evaluation services on Conger No.1 from 440m to Total Depth of 2970m. Continuous evaluation of pressures and drilling progress from real time data provided an aid in optimising drilling costs and ensured drilling continues with maximum safety to personnel, the well and equipment. The operator was continuously advised as to the status of these analyses. The printouts and plots of the results and services are contained in the appendices of this report.

DRILLING AND ENGINEERING

a. Well History

Conger No.1 was spudded on 25th February 1989 by the semi-submersible drilling rig "Southern Cross". RKB to sea level was 21m, and RKB to seafloor was 86m (water depth 65m)

26" Hole Section : 86m to 214m.

The 26" hole section was drilled using RRB1, a Hughes OSC3AJ 26", with returns to the seabed. The section (128m) was completed in 8.75 hours on-bottom, with 30bbl hi-vis pills being pumped every second single. No problems were encountered while drilling this section. At 214m the hole was swept with a 50bbl hi-vis pill, a survey dropped and the bit pulled to the sea-floor trouble-free. The survey was recovered (1 deg) and the bit run back to bottom. The hole was displaced with 150bbl of mud and the bit pulled to 150m where a further 150 bbl of mud was pumped before the trip out was completed.

Casing (20", 12 joints, including the wellhead joint, 94 lb/ft) was run with the shoe set at 209m. The casing was then cemented with 750sx class G (@ 13.2ppg) followed by 350sx class G (@ 15.8ppg). The BOP stack and riser were then run and the BOP's tested to ESSO's requirements.

17.5" Hole Section: 214m - 815m

The 17.5" BHA was made up and run in with RRB2, a Reed S11J, which drilled cement, the shoe and the entire 17.5" section from 214m to 815m. The 601m was completed in 22.4 hrs (on bottom) at an average ROP of 26.8 m/hr. No hole problems were encountered while drilling this section of hole. At

815m a hi vis pill was pumped, the hole circulated clean, a survey dropped, and the bit pulled to run logs. Minor tight hole was recorded from stands 2 to 7 with a maximum drag of 30klb being recorded from the 5th stand. The BHC-GR-Cal wireline tool was then run but could not pass a bridge at 216m.

RRB2 was run in to 216m where the bridge was tagged with 60klb. Three singles were reamed through this zone and the trip in continued to 286m where another tight spot had to be reamed. The trip in then proceeded to 815m where the hole was circulated clean and a hi-vis pill pumped prior to pulling the bit. No hole problems were noted on the trip out. Wireline logs (BHC-GR-Cal) were then run over the interval 810m to 86m. Casing (13.375", 60 joints, 54.5 lb/ft) was run with the shoe set at 798m. This was then cemented with 1000sx of class `G´ cement (@ 15.8 ppg) and the BOP´s tested to ESSO´s specifications.

12.25" Hole Section: 815m - 2970m

The 12.25" hole section was drilled using a total of 9 bits (3 mill-tooth, 4 insert and 2 core bits, one of which did not reach bottom) in 135.1 hrs (on bottom), at an average ROP of 21.4 m/hr.

NB3, a REED HP11J, drilled the shoe track and new hole to 819m where returns were circulated and a formation integrity test run. The test was taken to a gauge pressure of 960 psi with no leak off which, with a mud density of 9.3ppg, gave a minimum formation fracture pressure of 16.5 ppg EMD. Drilling continued to 1822m where a 100 bbl hi-vis pill was circulated to clean the hole, a survey dropped (2.25deg N43W), and the bit pulled. Overpull of 15-50 klb was recorded from stands 1 to 11 on the trip out, probably due to the stabiliser balling up.

A junk sub and NB4, a HTC J11, were picked up and run in. Tight hole was noted over the intervals 890m - 910m, 1250m - 1300m (60klb drag) and the kelly picked up to ream a single at 1605m. After ream/washing the last two singles to bottom drilling continued to 1826m where 90 bbl of mud was lost when the flowline became blocked with cuttings. A further 110 bbls were lost while trying to clear the blockage.

The top of the Latrobe Group was intersected at 1831m and a negative flow check made at 1841m. Drilling then continued to 1928m where the ROP decreased to 1-2 m/hr and the bit was pulled. Very erratic and often high torque was noted while drilling the Latrobe Group sediments. The torque appeared to be associated with thin coal beds and discontinuities in the formation. The ROP's recorded during this bit run were general lower than expected due to inserts on the bit being broken, possibly by pyritically cemented sandstones.

The MWD tool and NB5, a HP51, were then picked up and run in with no problems. Drilling continued with erratic and variable torque, often necessitating the reduction of the WOB to 10klb or less to allow drilling to continue. At 1998m a hi-vis pill was circulated to clean out the hole and abundant rounded claystone cuttings were noted on bottoms up. At 2471m the bit was pulled due to high bit hours and low ROP. Tight hole was recorded from stands 2-20 (2441m-1881m) with a maximum overpull of 120klb from stands 14-15 (2088m-2028m). This drag was probably again due to the stabilisers balling up through claystone/siltstone sections that had not been tripped through before. NB5 proved to be badly worn with many missing inserts (particularly on the outer rows of each cone) and was 0.25" under-gauge.

NB6, a REED HP51AJ, was run in to 2478m where tight hole was noted, the kelly picked up and a single reamed. The last 3 singles were reamed & washed to bottom and the junk sub worked before drilling ahead. Trip gas of 1.1% was recorded. Between 2530m and 2620m gas values (both peaks and background) increased to a maximum 4.4%. After flow checking a drilling break at 2611m, drilling continued to 2621m where returns were circulated with no shows. Flow checks made at 2631m, 2669m, 2679m, 2735m and 2759m were all static. From 2675m to 2679m the ROP increased from 8 to 20-40m/hr and a sample was circulated at 2679m with 2.5% gas being recorded from a coal bed. From 2550m, the MWD tool malfunctioned and all geological interpretations were based on surface data. At 2685m, 350psi of pump pressure was lost. Pressure was steady afterwards and it was assumed the MWD tool was interfering with the mud flow. Later, pieces of journal bearing from the MWD tool were found in the bit and probably had partly blocked off a jet before breaking up. From 2758m, ROP increased from 10 to 20-40 m/hr. At 2776m, returns were circulated and found to be a sandstone with 10 to 40% moderately bright blue white fluorescence. It was decided to core the formation and the bit was pulled. Less than 30klb overpull was recorded on the trip out. After drilling 305m in 24.2hours at an average ROP of 12.6 m/hr, the bit was graded T4 B4 G6 with broken teeth. The junk sub recovered 1.15kg og missing inserts.

While preparing the core barrel to cut Core No. 1, a length of core was found to be remaining inside the core barrel from the previous hole (Mulloway No.1). This was collected conventionally and 6.5m was recovered. Only 0.18m had been recovered at the time the core was cut and this increased the initial recovery to 6.68m of 11.5m cut (58%). A possible explanation for the presence of the core is that the core slipped through the core catcher at the surface when the liner sleeve was removed from the

outer core barrel. When the sleeve was inspected, only the 0.18 metres of core was seen and recovered. The sleeve and core catcher slipped over the core when they were replaced in the outer barrel and stacked in the derrick to be used later.

RRCB1, a CHRIS ZC476 , was run in with full size stabilisers to 2440m where tight hole was encountered. This was worked through and running in continued to 2630m where 100klb overpull and weight necessitated picking up the kelly and reaming. This continued to 2716m when lack of progress led to the bit being pulled. The gauge protection of the bit was obliterated and the bit was graded unserviceable without having reached bottom.

CB2, a CHRIS RC468 9.875", was run in conjunction with 9.875" stabilisers and had no difficulty reaching bottom. While circulating bottoms-up prior to coring, a distinct odour of hydrogen sulphide (H2S) was detected. Circulating ceased while alternative tests for H2S were run (Draeger tube, lead acetate and Garrett gas train). All of these indicated no H2S. However, carbon dioxide (CO2) was detected which may have accelerated the breakdown of the mud and released a very low concentration of H2S.
Core No. 1 was cut from 2776m-2794.5m. Of the 18.5m cut, 18.23m (98.5%) was recovered. The core was cut in 1.2 hours at an average ROP of 15.4 m/hr. Final bit grading was 35% worn.

NB7, a Reed HP51AJ, was run in conjunction with the MWD tool to 2712m where it was decided to ream to bottom. This was done as a precautionary measure after problems experienced with CB1 in getting to bottom. From 2776m the 9.875" cored rathole was opened up to 12.25". New hole was drilled from 2794.5m. A trip gas of 8.3% total gas and 1.2% CO2 was recorded from bottom. Rate of penetration varied from 3 to 50 m/hr through sandstone with minor coal, siltstone and claystone. High torque at 2970m

ended the bit run and this became the final TD for the well. The bit had drilled 175.5m in 25.1 hours to give an average ROP of 7m/hr. Mud losses occurred through parts of the run and at times were 35bbl/hr constantly. Intermittently, 40 to 60 bbls of mud was lost when the pumps were restarted after connections or flow checks. This only occurred while the degasser and all solids control was running. Only minor losses occurred with the solids control off. However no single piece of equipment appeared to be putting out excessive underflow and the losses were generally ascribed as down-hole. Low gravity solids and CO2 contamination combined to seriously impair the mud properties with water loss reaching 56cc. A full day of circulating was required to condition the mud before wireline logs could be run. The radical changes in mud properties may have also caused or contributed to the unusual losses.

The following wireline logs were run.
1: DLL-MSFL-BHC-LDL-CNL-SP-GR
2: SHDT-GR
3: WSS (Velocity Survey)
4: CST (2 guns)

After logging, the well was plugged and abandoned to ESSO procedure.

b. **Bit Optimisation**

Bit performance was continuously monitored and the operator advised of cost performance, rate of penetration, torque and formation changes. Cost analysis were performed on the basis of bit cost, rig cost, and an average tripping speed and are a guide only. A plot of the results can be found in the attached volume and a bit record is provided in this section. No bits were pulled purely on a cost basis.

The 26" hole section was drilled with one bit (in tandem with a hole-opener). The interval drilled was 128m (in 8.75 hrs) at an average ROP of 14.6m/hr and the bit was tripped to run 20" casing.

One bit was used to drill the 17.5" hole section. The interval drilled was 601m (in 22.4hrs) at an average ROP of 26.8m/hr. The bit was tripped to run 13.375" casing. Tooth wear was minor.

The 12.25" hole section was drilled with 6 bits (1 mill-tooth, 4 insert, and one core bit).

NB3, A Reed HP11J mill-tooth bit, drilled the shoe and new hole to 1822m, a distance of 1007m in 28.8hrs (on bottom), at an average ROP of 35 m/hr The dominant lithology drilled was calcareous claystone of the Gippsland Limestone. The bit was tripped on the basis of bit hours and footage. It was graded T3 B4 G0. It seemed ideally suited to the formation drilled.

NB4, a HTC J11, only drilled 106m in 11.2 hrs (on bottom) at an average ROP of 9.5m/hr and was pulled at 1928m due to low ROP. The top of the Latrobe was intersected at 1831m and consisted of variably cemented sandstones with interbedded siltstone. The ROP's recorded from this bit run were lower than would have been expected due to the cemented sands causing many of the

inserts to break. A bit with shorter inserts may have performed better in through this section.

NB5, a HP51AJ, was then run in with the MWD tool and drilled a distance of 543m in 40.4hrs at an average ROP of 13.4m/hr. Erratic and often very high torque meant that for much of this run the WOB had to be reduced to less than 10 klb to allow drilling to continue. Above about 2200m the torque appeared to be caused by thin coal beds and other discontinuities in the formation as the torque only occurred with the bit on bottom. Below 2200m most of the high torque appears to have been caused by the stabilisers working through rugose or undergauge hole. NB5 was badly worn with many missing inserts, particularly on the outer rows of each cone and was 0.25" undergauge. The nature of the wear suggests that a bit with shorter teeth may have performed better through the sandstone with interbedded siltstone and coal drilled by this bit.

NB6 a Reed HP51AJ drilled a distance of 305m at an average ROP of 12.6m/hr. This bit drilled through siltstone with interbedded sandstone and minor coal. Occasional high torque, caused by the stabiliser working through tight or rugose hole, was recorded. This bit was tripped to cut Core No.1 and was graded as T4 B4 and 3/8" undergauge.

CB1, a Chris ZC478 12.25" was then run in to 2630m where the kelly was picked up to ream tight hole. After reaming to 2717m the ROP decreased to nearly zero and the bit was pulled without reaching bottom. The bit was replaced with CB2, a Chris RC478 9.875", the stabilisers changed out, and Core No.1 was cut from 2776m-2794.5m (18.5m) in 1.2 hrs at an average ROP of 15.4 m/hr. This bit may have been drilling on junk and was 35% worn when pulled.

NB7, a Reed HP51AJ, drilled a distance of 175.5m in 25.1 hours, at an average ROP of 7.0 m/hr. This bit drilled through hard cemented sandstone and siltstone of the lower Latrobe Group and was pulled at 2970m due to a sudden increase in torque. The bit was graded as T6 B4 G7/16 but most of the outer rows of inserts were missing from all three cones. The ROP's for this bit run were probably less than would have been expected possibly due to the bit being damaged while opening the 9.875" core rathole to 12.25".

c. **Hydraulic Optimisation**

Hydraulic analyses were provided for the operator on a daily basis and as required Results of these analyses are provided on the daily Gemdas reports and on selected hydraulic printouts in Appendix J.

The rig was equipped with two Oilwell A-1700PT triplex pumps (12" stroke) fitted with 6.5" liners. A pump output of 5.00 gal/stroke at 97% efficiency was used.

The 26" hole section was drilled with seawater and hi-vis sweeps. This, along with high annular velocities, ensured adequate hole cleaning through this interval. The hole was displaced with hi-vis mud prior to running casing.

The 17.5" hole section was drilled using seawater with hi-vis pills circulated every second or third connection as required. This was sufficient to keep the hole clean and no fill or tight hole was recorded while drilling, logging or casing this section of hole. Annular velocities, while relativelylow, were sufficient to lift the cuttings through the riser. Apart from the less consolidated upper part of this section, the hole was in-gauge and no significant washouts were noted.

The 12.25" was drilled with a seawater-gel-polymer mud system at flow rates ranging from 850gpm (in the unconsolidated limestones and claystones of the Gipsland Limestone) to 600gpm (in the lower part of the Latrobe Group). These flow rates were sufficiently high to lift the cutting from the hole while still maintaining a laminar flow regime minimising hole washout.

Bit pressure losses through the lower Gippsland Limestone and Lakes Entrance Formation decreased from 63% at 868m to 53% at 1928 as the flow

rate was reduced from 850 to 760 gpm. These moderate flow rates provided high impact force and bit hydraulic horsepower without causing any serious hole washout. The Latrobe Group sands were drilled with lower flow rates to reduce hole washout in the loosely consolidated sandstones. The inclusion of the MWD tool meant that percentage loss at the bit was reduced to between 32 to 40 percent. The selection of larger nozzles and lower flow rates within the Latrobe Group reduced impact force from c.1700 to 1200lbs. Smaller nozzles below 2471m enabled lower flow rates (c 600gpm) to be used without a marked decrease in impact force. Caliper logs show the borehole to be generally in-gauge through the Latrobe, with only relatively minor washout in the upper sections.

d. **Borehole Condition**

The borehole condition was monitored during drilling and tripping by observing the overpull or drag associated with tripping and connections which would indicate tight hole. Torque was also utilised as an aid in borehole condition analysis. Carbides were run periodically and the average hole size for an interval calculated on the return of the carbide. Wireline logs were examined to determine where major wash-outs or tight hole occurred.

No hole problems were noted from the 26" hole or while drilling the 17.5" hole. However on the trip out at 815m minor tight hole was recorded over the interval 786m-615m (stands 2 to 7) with a maximum drag of 30klb being recorded from the 5th stand. This drag was probably due to the stabiliser balling up and did not seem to indicate hole instability. The only other hole problem occurred when a bridge was hit at 216m, just below the 20" casing shoe, when running in with the logging tool necessitating a wiper trip.

Hole condition through the 12.25" section was stable with minor tight hole being recorded from most trips and erratic and often high torque being recorded from the upper part of the Latrobe Group. There was no indication of any serious hole instability. Erratic and often high torque was common while drilling through sediments of the Latrobe Group. This torque was often sufficiently high to stall the rotary table and necessitate a reduction in the WOB to allow drilling to continue. The torque above 2200m appears to be associated with discontinuities in the formation, particularly coal beds and the tops of sands. Below 2200m the torque appears to have been caused by the stabiliser working through tight or slightly undergauge hole. On the trip in at 1822m (NB4) tight hole was

noted over the intervals 890m-910m, 1250m - 1300m (60klb drag) and at 1605m. This tight hole was again probably largely due to the stabiliser balling up through argillaceous sections. High and erratic torque was recorded almost continuously from the top of the Latrobe at 1831m and appears to have been caused by coals caving in around the bit or by the bit being partially jammed by discontinuities in the formation. Because torque was often high enough to stall out the rotary table and force drilling to continue at low WOB's the ROP's recorded from this bit run were lower than might otherwise have been expected. No tight hole was recorded on the trip out with this bit. The trip in with NB5 was clean with no tight hole or fill being recorded. Torque, similar to that seen during the previous bit run, was recorded from this run but was not as severe. On the trip out with this bit at 2471m tight hole was recorded from stands 2 to 20 (2441m - 1881m) with a maximum overpull of 120klb being noted from stands 14 and 15 (2088m -2028m). This tight hole was probably due to the stabilisers balling up through slightly hydrated clays. A single had to be reamed at 1968m on the trip in with NB6. The last three singles were reamed to bottom as NB5 was 0.25" undergauge. Torque caused by stabilisers hanging up in coals and undergauge hole was also noted but did not cause serious problems. Minor tight hole was recorded from stands 10 - 11 on the trip out at 2776m. Tight hole was noted from 2440m to 2447m with 40klb overpull being recorded. At 2630m overpull of 100klb was noted and the kelly picked up and tight hole reamed to 2717m where the core bit was pulled without reaching bottom. These problems appear to have been caused by a stiff BHA with full gauge stabilisers trying to work through undergauge or rugose hole as no problems were encountered on the trip in with the 9.875" bit. No hole problems were encountered on the trip in or while drilling with NB7 and only minor overpull of less than 30klb was recorded from stands 11-38.

PRESSURE EVALUATION

a. Formation Fracture Pressure

Formation fracture pressures were calculated during drilling and recorded in the Morning Reports (Appendix H). Plotted data can be found in Appendix D. Overburden gradients (OBG) were calculated from offset well data and OBG values, estimated from this data, were utilised while drilling.

One formation integrity test (FIT, PIT) was performed as follows:

Depth (metres)	Casing Shoe (metres)	Hole Size	Mud Dens (ppg)	Fracture Pressure (EMD, ppg)
815	798	12.25"	9.3	16.5

No significant downhole mud losses were recorded during the drilling of Conger No.1.

The minimum estimated fracture pressure in the 12.25" hole section was 16.5ppg EMD, recorded from the leak off test at the shoe. The Latrobe sands had an estimated minimum fracture pressure of 17.4ppg EMD. All estimated fracture pressures were considerably greater than either the maximum mud hydrostatic (9.6+ ppgEMD) or the maximum ECD (9.8 ppg) and mud losses due to hydraulic fracturing were not considered likely.

b. **Formation Pore Pressure**

Formation pore pressure indicators were monitored on a continuous basis while drilling and pore pressure estimates were reported to the operator daily, or whenever significant variations were encountered. Plots of the relevant pore pressure indicators are available in Appendix D.

The mud temperature plot was of little use due to frequent additions of seawater to maintain volume and the heat loss in the riser which varied with the currents. The DXC plots also were of limited value in the Latrobe Group due to the variable nature of the lithology which did not allow a meaningful baseline to be established. No connection gasses were recorded and trip gasses in the range of 0.74% to 0.65% were detected.

All the monitored pressure parameters indicated a normally pressured hole from spud to 2530m. From this depth to 2620m background gas increased and was slow to fall back after any peaks indicating a possible increase in formation pressure. No connection gas or splintery cavings were seen from this interval therefore it is unlikley that the formation pressure exceeded the mud hydrostatic at any stage and the maximum formation pressure was estimated to be 9.0 ppg EMD at 2620m. From 2620m gas values returned to normal and the section from 2620m to TD appeared to be normally pressured.

GEOLOGY & SHOWS

All depths measured below RKB :-RKB to mean sea level 21 metres
:-RKB to seabed 86 metres

Returns to seafloor until 214m. Returns logging did not begin until 815m.

815 to 890 metres

LIMESTONE; light to medium grey, off white, silt size grains of carbonate set in micritic matrix, very soft, sticky, trace calcite crystals, trace to common forams (Calcilutite grading to Calcisiltite)

890 to 1070 metres

LIMESTONE; generally as above with trace claystone (Calcarenite)

1070 to 1730 metres.

LIMESTONE; light to medium grey, common forams, trace sponge spicules, trace bryozoa, trace glauconite, pyrite nodules, slightly dolomitic (Calcilutite grading to Calcisiltite)

1730 to 1830 metres

LIMESTONE; light brown grey to light grey, trace very light green grey, slightly dolomitic, becoming very argillaceous, common silt size carbonate crystals in micritic matrix, grading to very Calcareous Siltstone as carbonate content reduces, minor forams, trace pyrite nodules, trace glauconite (Calcarenite, Calcsiltite becoming Calcareous Siltstone), with minor
CLAYSTONE; white to off white, light grey, trace quartz grains, massive, soft, very sticky, soluble, dispersive

1830 to 1835 metres

SILTSTONE; medium to dark grey, trace green, dominantly argillaceous, trace carbonaceous, 5% glauconite peloids, firm, subfissile, with minor
SANDSTONE; transparent to transluscent, white to yellow, possible iron oxide staining, loose, medium to coarse grained, moderately sorted, subrounded to rounded, excellent inferred porosity, no show.

1835 to 2020 metres

SANDSTONE; generally as above, white to light grey, medium to very coarse, very poorly sorted, weak siliceous cement, trace argillaceous matrix good inferred porosity, no show, with variable
COAL; dark brown, black, slightly silty, waxy, subconchoidal fracture, hard, and
SILTSTONE; light to medium grey, tan, occasionally medium brown, argillaceous, slightly calcareous, moderately to very calcareous, micromicaceous, firm, blocky

2020 to 2765 metres

COAL; generally as above, dark brown, black, dull, subvitreous lustre, silty, tr quartz, blocky to subconchoidal, with variable
SANDSTONE; generally as above, transluscent, white to light grey, very fine to medium grained, occasionally coarse grained, moderately to well sorted, subangular to subrounded, trace dolomite cement, trace pyrite cement, trace argillaceous matrix, firm to hard, poor porosity, trace mineral fluor, and
SILTSTONE; generally as above, medium to dark brown, argillaceous, carbonaceous, firm to hard, blocky, becoming micromicaceous, trace pyrite

2765 to 2776 metres

SANDSTONE; transluscent to opaque, occasionally clear, off white to white, fine to coarse, moderately to well sorted, subangular to subrounded, loose in part, moderate siliceous cement, trace off white argillaceous matrix, very silty, friable to firm, poor visible porosity, SHOW; trace to 20% dull blue/white - blue/green patch fluorescence with no cut, very weak crush cut very thin ring residue, with minor
SILTSTONE; as above

2776 to 2970 metres (TD)

SANDSTONE; generally as above, transparent to opaque, off white medium to very coarse, predominantly coarse, moderately to well sorted, angular to subrounded, trace pyrite cement, trace to common white argillaceous matrix, trace siderite, firm to hard, with
SILTSTONE; grey brown to medium brown, slightly argillaceous, micromicaceous, common carbonaceous lamination & flecks, trace pyrite, fissile to blocky, soft to firm, and
COAL; black, subvitreous, uneven to subconchoidal fracture, firm brittle.

5. EVALUATION AND TESTING

a. Wireline logs

The following is a summary of the logs run on Conger No. 1. Sonic, resistivity, caliper and density data are plotted on the Wireline Data Log in the accompanying Appendix Volume to this report.

Depth (m)	Hole Size	Logs run
178	26	Nil
815	17.5	BHC-GR-CAL
2970	12.25	DLL-MSFL-BHC-LDL-CNL-SP-GR SHDT-GR WSS (Velocity Survey) CST (2 guns)

b. Coring

One core only was cut on Conger No.1. This was from 1776m to 1794.5m. Recovery was 18.23m of the 18.5m cut (98%). In addition, a section of core was recovered from the Mulloway No.1 well that had been overlooked and had remained in the core barrel. This was from Core No. 2 and of 11.5m cut from 1393.5m to 1405m, 6.68m was eventually recovered.

o. **DATA INVENTORY:** Conger No.1

The following were supplied to ESSO Australia as required:

Formation Evaluation Log
Drilling Data Printout
Weekly Reports
Hydraulics Printouts

On completion of the well the worksheets charts and data disks were forwarded to ESSO. Six (6) copies of the final well report (including the Formation Evaluation Log) were compiled by Exploration Logging in Perth and forwarded to ESSO on completion. Exploration Logging retained 1 copy of the final well report and all data disks.

Exploration Logging will use reasonable diligence to maintain and store the information and items in a manner to reasonably prevent damage or loss. Provided, however, Exploration Logging assumes no responsibility for the loss damage or theft of the items or the information contained therein and shall not be liable to Operator in any such event irrespective of cause, fault or the active or passive negligence of Exploration Logging or its employees.

7. CONCLUSIONS

Conger No.1 was spudded on the 25th February 1989 and reached a total depth of 2970 metres on 14th March 1989 in a total time of 20 days. The well was drilled with seven tri-cone bits and two stratapax core bits in a total of 135.1 cumulative on-bottom drilling hours.

Three primary targets were proposed within the Latrobe Group sandstones, but only one target contained a hydrocarbon show that warranted further evaluation by coring. The single core was cut from 2776m to 2794.5m and recovered only residual oil.

Pore pressure was estimated as normal for the majority of the well. The section from 2530m to 2620m did show a possible pore pressure increase and was estimated to have reached a maximum of 9.0ppg EMD.

APPENDIX A : Drilling Data Pressure Plot

PE602930

This is an enclosure indicator page.
The enclosure PE602930 is enclosed within the container PE904392 at this location in this document.

The enclosure PE602930 has the folllowing characteristics:

ITEM_BARCODE	= PE602930
CONTAINER_BARCODE	= PE904392
NAME	= Drilling Data Pressure Log
BASIN	=
PERMIT	=
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Drilling Data Pressure Log,Scale 1:5000,(Enclosure from Final Well Report), By EXLOG for Esso Australia, 14 March 1989, for Conger-1.
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	= 17-apr-1989
WELL_NO	= W988
WELL_NAME	= Conger-1
CONTRACTOR	= EXLOG
CLIENT_OP_CO	= Esso Australia

(Inserted by DNRE - Vic Govt Mines Dept)

APPENDIX B : Temperature Data Pressure Plot

PE602931

This is an enclosure indicator page.
The enclosure PE602931 is enclosed within the container PE904392 at this location in this document.

The enclosure PE602931 has the folllowing characteristics:

ITEM_BARCODE	= PE602931
CONTAINER_BARCODE	= PE904392
NAME	= Temperature Analysis Plot
BASIN	=
PERMIT	=
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Temperature Analysis Plot,Scale 1:2500,(Enclosure from Final Well Report), By EXLOG for Esso Australia, for Conger-1.
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	= 17/04/89
WELL_NO	= W988
WELL_NAME	= Conger-1
CONTRACTOR	= EXLOG
CLIENT_OP_CO	= Esso Australia

(Inserted by DNRE - Vic Govt Mines Dept)

APPENDIX C : Wireline Data Pressure Plot

PE602932

This is an enclosure indicator page.
The enclosure PE602932 is enclosed within the container PE904392 at this location in this document.

The enclosure PE602932 has the folllowing characteristics:

ITEM_BARCODE	= PE602932
CONTAINER_BARCODE	= PE904392
NAME	= Wireline Data Pressure Log
BASIN	=
PERMIT	=
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Wireline Data Pressure Log,Scale 1:2500,(Enclosure from Final Well Report), By EXLOG for Esso Australia, for Conger-1.
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	= 17/04/89
WELL_NO	= W988
WELL_NAME	= Conger-1
CONTRACTOR	= EXLOG
CLIENT_OP_CO	= Esso Australia

(Inserted by DNRE - Vic Govt Mines Dept)

APPENDIX D : Pressure Evaluation Plot

PE602933

This is an enclosure indicator page.
The enclosure PE602933 is enclosed within the container PE904392 at this location in this document.

The enclosure PE602933 has the folllowing characteristics:

ITEM_BARCODE	= PE602933
CONTAINER_BARCODE	= PE904392
NAME	= Pressure Gradient Analysis Plot
BASIN	=
PERMIT	=
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Pressure Gradient Analysis Plot,Scale 1:5000,(Enclosure from Final Well Report), By EXLOG for Esso Australia, for Conger-1.
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	= 17/04/89
WELL_NO	= W988
WELL_NAME	= Conger-1
CONTRACTOR	= EXLOG
CLIENT_OP_CO	= Esso Australia

(Inserted by DNRE - Vic Govt Mines Dept)

APPENDIX E : Drilling Data Printout

ESSO AUST Conger No.1

Data Printed at time 02:46 Date Mar 14 '89
Data Recorded at time 01:30 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
Spud Conger No.1 at 16:00 hrs on the 25th Feb 1989.																								
Drill 26" hole to 214m. Run and cement 20" casing with shoe at 209m.																								
RRB2, Smith S11J 17.5" with 2x18 and 1x16 jets. Start depth 214m.																								
7	0200	443.00	25.6	95.1	172	120	4.88	2540	436.22	8.82	8.89	973.4	973	34.5	32.8	464	229	6.1	.94	.74	.73	8.95	8.50	D
8	0201	444.01	48.7	99.5	124	120	5.05	2550	436.29	8.82	8.88	972.2	972	34.5	32.9	463	230	6.1	.94	.63	.63	8.96	8.50	D
9	0205	445.01	13.4	102	147	120	6.38	2670	437.39	8.82	8.91	974.3	975	34.4	33.1	458	231	6.2	.95	.88	.88	8.98	8.50	D
10	0206	446.00	56.1	106	122	120	7.63	2680	437.95	8.82	8.89	976.7	976	34.4	33.1	457	232	6.2	.95	.65	.65	8.97	8.50	D
11	0209	447.00	18.5	124	162	120	10.7	2690	438.00	8.83	8.92	974.5	974	34.3	33.2	455	233	6.3	.96	.91	.90	9.01	8.50	D
12	0211	448.00	30.5	121	203	125	10.6	2890	438.77	8.83	8.91	991.1	997	34.3	33.0	453	234	6.3	.97	.82	.81	9.01	8.50	D
13	0222	449.00	67.4	97.8	148	132	9.97	2720	441.33	8.83	8.90	987.3	988	34.3	33.3	444	235	6.4	.98	.67	.67	8.98	8.50	D↑
14	0223	450.01	46.0	92.5	148	121	13.2	2720	441.56	8.83	8.91	988.0	987	34.3	33.5	443	236	6.4	.98	.77	.77	9.00	8.50	D
15	0227	451.00	24.2	111	164	122	15.0	2730	443.15	8.84	8.93	985.6	986	34.3	34.2	438	237	6.5	.99	.93	.92	9.01	8.50	D
16	0228	452.00	42.5	90.2	122	121	13.2	2810	443.24	8.84	8.92	986.1	986	34.3	34.0	440	238	6.5	1.00	.79	.78	9.01	8.50	D
17	0229	453.02	44.2	97.4	120	122	13.8	2820	444.04	8.84	8.92	985.7	986	34.4	34.5	439	239	6.5	1.00	.79	.78	9.02	8.50	D
18	0237	454.00	8.42	103	178	121	15.1	2820	447.64	8.85	8.96	984.6	984	34.6	34.6	436	240	6.6	1.02	1.15	1.14	9.01	8.50	D
19	0238	455.00	39.6	85.6	126	122	13.4	2820	447.64	8.85	8.93	984.1	984	34.7	34.4	435	241	6.7	1.02	.81	.80	9.00	8.50	D
20	0244	456.00	10.7	73.9	126	122	12.5	2820	448.64	8.85	8.96	985.0	986	35.0	35.0	433	242	6.7	1.04	1.05	1.05	9.03	8.50	D
21	0252	457.00	8.28	130	251	121	16.4	2820	452.22	8.86	8.98	989.9	998	35.3	35.1	424	243	6.9	1.06	1.17	1.17	9.00	8.50	D
22	0252	458.00	64.1	140	174	122	16.5	2820	452.23	8.86	8.94	997.0	993	35.3	35.2	424	244	6.9	1.06	.75	.74	8.99	8.50	D
23	0255	459.00	22.8	89.5	175	122	12.8	2830	452.31	8.87	8.96	995.0	998	35.4	35.2	423	245	6.9	1.06	.91	.91	9.01	8.50	D
24	0309	460.00	42.8	161	270	115	16.9	2590	456.75	8.87	8.95	961.3	962	35.5	35.1	451	246	7.0	1.08	.82	.82	8.98	8.50	D↑
25	0310	461.00	69.7	214	245	118	20.6	2580	457.24	8.87	8.95	960.9	961	35.6	35.0	448	247	7.0	1.08	.76	.76	8.98	8.50	D
26	0311	462.00	77.1	189	223	120	19.0	2580	457.71	8.87	8.95	960.5	961	35.6	35.1	449	248	7.0	1.08	.73	.72	8.99	8.50	D
27	0312	463.00	40.0	200	253	120	20.7	2760	457.80	8.87	8.96	981.2	986	35.6	35.1	449	249	7.1	1.09	.89	.88	9.02	8.50	D
28	0315	464.00	21.7	176	227	122	22.7	2770	457.80	8.88	8.98	999.7	999	35.7	35.4	446	250	7.1	1.09	1.04	1.04	9.06	8.50	D
29	0316	465.00	39.9	158	219	122	21.8	2770	457.80	8.88	8.97	997.1	997	35.7	35.4	447	251	7.1	1.10	.90	.89	9.07	8.50	D
30	0324	466.00	12.8	208	480	111	17.1	2780	462.44	8.88	8.99	1004	1004	35.9	36.1	444	252	7.2	1.11	1.07	1.07	9.03	8.50	D
31	0326	467.00	57.3	169	249	116	18.3	2780	463.25	8.88	8.96	1003	1002	36.0	35.8	445	253	7.2	1.11	.78	.77	9.00	8.50	D
32	0335	468.00	24.8	151	237	116	16.8	2680	464.30	8.89	8.98	972.6	975	36.2	35.4	440	254	7.3	1.12	.94	.94	9.02	8.50	D↑
33	0335	469.00	106	235	359	116	20.0	2740	464.30	8.89	8.95	983.5	985	36.1	35.7	441	255	7.3	1.12	.66	.65	9.01	8.50	D
34	0337	470.00	34.0	172	240	119	18.8	2740	464.45	8.89	8.98	994.3	994	36.1	35.1	439	256	7.3	1.13	.90	.89	9.04	8.50	D
35	0338	471.00	42.9	200	244	116	20.0	2740	464.73	8.89	8.98	993.6	993	36.1	35.4	439	257	7.4	1.13	.85	.85	9.05	8.50	D
36	0339	472.00	98.1	187	237	117	18.7	2740	465.02	8.89	8.96	993.3	994	36.1	35.4	439	258	7.4	1.13	.66	.66	9.04	8.50	D
37	0341	473.00	28.5	223	281	111	20.8	2740	466.12	8.89	8.99	992.9	992	36.1	35.5	439	259	7.4	1.14	.94	.94	9.08	8.50	D
38	0341	474.00	84.8	199	278	118	19.8	2750	466.43	8.89	8.97	992.9	993	36.1	35.5	438	260	7.4	1.14	.71	.70	9.06	8.50	D
39	0343	475.00	56.1	152	261	120	15.1	2740	466.51	8.90	8.97	994.0	994	36.1	35.6	439	261	7.4	1.14	.75	.75	9.09	8.50	D
40	0344	476.00	53.3	146	204	121	16.0	2740	466.51	8.90	8.97	992.7	992	36.1	35.7	438	262	7.4	1.14	.77	.76	9.11	8.50	D
41	0345	477.00	62.7	164	207	120	17.7	2740	466.51	8.90	8.97	991.3	992	36.1	36.0	439	263	7.5	1.15	.75	.74	9.12	8.50	D
42	0353	478.00	23.2	183	290	120	18.6	840	470.50	8.90	9.00	536.5	536	36.2	35.7	444	264	7.5	1.15	.98	.97	9.07	8.50	D
43	0353	479.00	107	236	278	114	21.3	840	470.87	8.90	8.97	535.1	535	36.2	36.0	445	265	7.5	1.16	.66	.65	9.04	8.50	D
44	0355	480.00	32.6	182	232	121	16.5	840	471.04	8.90	8.99	535.6	535	36.1	36.2	445	266	7.6	1.16	.88	.88	9.08	8.50	D
45	0355	481.00	184	231	260	118	18.2	840	471.04	8.90	8.96	535.4	535	36.1	36.0	444	267	7.6	1.16	.53	.52	9.05	8.50	D
46	0357	482.01	45.8	190	264	119	17.5	840	471.57	8.91	8.99	533.2	534	36.1	35.7	444	268	7.6	1.16	.81	.81	9.10	8.50	D
47	0358	483.00	49.7	174	240	121	15.1	840	472.63	8.91	8.98	535.9	536	36.1	35.5	443	269	7.6	1.17	.78	.77	9.10	8.50	D
48	0359	484.00	70.3	182	243	120	13.5	840	473.03	8.91	8.98	535.7	536	36.1	35.2	443	270	7.6	1.17	.69	.68	9.10	8.50	D
49	0359	485.00	186	193	253	119	14.3	840	473.20	8.91	8.96	535.6	535	36.2	35.0	444	271	7.6	1.17	.50	.49	9.09	8.50	D
50	0401	486.00	29.3	183	254	120	15.5	840	473.93	8.91	9.00	535.0	535	36.2	34.9	443	272	7.7	1.18	.88	.88	9.14	8.50	D
51	0404	487.00	68.9	149	446	119	8.23	850	475.52	8.91	8.97	534.3	534	36.1	34.5	443	273	7.7	1.18	.62	.62	9.10	8.50	D↑

ESSO AUST Conger No.1

Data Printed at time 02:50 Date Mar 14 '89

Data Recorded at time 04:17 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
52	0417	488.03	18.0	238	489	88	11.5	2830	481.66	8.92	9.00	996.4	997	36.0	35.2	427	274	7.8	1.19	.87	.87	9.08	8.50	D↑
53	0418	489.00	47.1	178	259	118	14.7	2830	484.54	8.92	9.00	996.6	996	36.0	35.8	426	275	7.8	1.20	.78	.78	9.04	8.50	D
54	0419	490.05	56.9	230	256	117	18.8	2830	485.07	8.92	9.00	998.4	998	36.0	35.9	425	276	7.8	1.20	.78	.78	9.05	8.50	D
55	0421	491.00	40.7	152	249	118	14.6	2820	485.71	8.92	9.00	996.8	997	36.0	35.7	423	277	7.8	1.20	.81	.81	9.06	8.50	D
56	0422	492.00	48.2	211	300	115	18.6	2830	485.85	8.92	9.00	997.8	998	36.0	35.5	423	278	7.8	1.20	.81	.81	9.07	8.50	D
57	0423	493.02	38.0	127	203	120	14.4	2840	485.85	8.92	9.00	998.0	998	36.1	35.5	423	279	7.9	1.21	.82	.82	9.09	8.50	D
58	0425	494.00	49.0	143	243	121	13.0	2830	485.85	8.92	9.00	998.9	998	36.1	34.8	423	280	7.9	1.21	.76	.75	9.10	8.50	D
59	0426	495.01	46.4	172	261	122	12.8	2830	486.47	8.92	9.00	997.8	998	36.1	35.2	422	281	7.9	1.21	.76	.76	9.11	8.50	D
60	0427	496.05	46.0	202	311	120	15.1	2830	486.48	8.93	9.00	999.6	1000	36.1	35.2	421	282	7.9	1.22	.79	.78	9.13	8.50	D
61	0429	497.01	34.2	147	401	120	13.5	2840	487.25	8.93	9.01	999.0	1000	36.1	34.8	422	283	8.0	1.22	.83	.82	9.15	8.50	D
62	0437	498.03	59.6	262	285	113	21.1	2850	491.47	8.93	9.01	995.7	996	36.0	35.3	420	284	8.0	1.23	.79	.78	9.08	8.50	D
63	0438	499.04	55.4	234	364	109	19.2	2870	492.42	8.93	9.01	997.2	998	35.9	35.4	420	285	8.0	1.23	.78	.77	9.09	8.50	D
64	0439	500.00	46.2	189	330	117	16.2	2870	493.20	8.93	9.01	1001	1001	35.9	35.3	420	286	8.0	1.24	.80	.79	9.10	8.50	D
65	0440	501.03	64.8	170	241	120	14.5	2880	493.78	8.93	9.01	1001	1001	35.9	35.4	421	287	8.1	1.24	.72	.71	9.09	8.50	D
66	0441	502.01	63.6	143	219	122	15.8	2880	494.62	8.94	9.01	1002	1002	35.9	35.4	420	288	8.1	1.24	.74	.73	9.10	8.50	D
67	0444	503.00	21.8	219	353	118	23.3	2880	495.68	8.94	9.04	1001	1001	35.9	35.9	418	289	8.1	1.25	1.04	1.04	9.13	8.50	D
68	0445	504.00	60.4	175	227	120	21.7	2880	495.68	8.94	9.02	1000	1000	35.8	36.0	420	290	8.1	1.25	.80	.79	9.13	8.50	D
69	0446	505.01	37.4	183	251	120	19.0	2880	495.68	8.94	9.03	1000	1000	35.9	36.0	419	291	8.2	1.26	.88	.87	9.15	8.50	D
70	0448	506.00	34.4	162	412	115	16.6	2880	496.99	8.94	9.03	998.6	999	35.9	36.3	421	292	8.2	1.26	.86	.85	9.14	8.50	D
71	0501	507.00	27.6	148	221	112	17.6	2820	504.27	8.94	9.04	981.1	985	36.2	36.6	419	293	8.2	1.27	.92	.92	9.05	8.50	D↑
72	0502	508.00	72.4	193	278	119	20.5	2820	504.93	8.95	9.02	992.2	992	36.2	37.4	420	294	8.3	1.27	.75	.75	9.04	8.5	
73	0503	509.01	55.2	194	234	118	18.5	2820	505.29	8.95	9.03	993.5	994	36.3	37.0	417	295	8.3	1.27	.79	.79	9.05	8.50	D
74	0505	510.00	30.1	172	235	120	18.3	2820	505.48	8.95	9.04	996.0	996	36.3	36.6	416	296	8.3	1.28	.92	.92	9.09	8.50	D
75	0506	511.01	33.7	139	184	120	17.2	2820	505.48	8.95	9.04	993.3	993	36.4	36.7	414	297	8.3	1.28	.88	.88	9.10	8.50	D
76	0509	512.00	25.5	117	176	121	16.1	2810	505.48	8.95	9.05	991.8	992	36.5	36.6	417	298	8.4	1.29	.93	.92	9.12	8.50	D
77	0510	513.00	38.0	127	173	120	17.4	2700	505.48	8.95	9.04	976.6	975	36.5	36.8	419	299	8.4	1.29	.86	.85	9.13	8.50	D
78	0512	514.01	25.9	132	190	120	16.9	2710	505.96	8.96	9.05	969.8	970	36.5	37.1	419	300	8.4	1.30	.93	.93	9.15	8.50	D
79	0515	515.00	21.0	134	188	120	18.8	2700	508.35	8.96	9.06	970.5	971	36.6	36.8	420	301	8.5	1.30	1.00	1.00	9.14	8.50	D
80	0517	516.00	35.1	135	221	116	17.3	2710	509.38	8.96	9.05	970.4	970	36.6	36.7	423	302	8.5	1.31	.87	.86	9.12	8.50	D
81	0527	517.00	24.7	113	183	119	16.5	2720	512.27	8.97	9.06	968.5	968	36.6	35.6	427	303	8.6	1.32	.95	.95	9.00	8.50	D
83	0527	518.03	8.41	171	186	119	18.4	2710	512.34	8.97	9.09	968.6	969	36.6	35.8	429	304	8.6	1.32	1.21	1.21	9.03	8.50	D-
84	0529	519.01	30.3	150	211	120	18.2	2710	513.13	8.97	9.06	971.9	971	36.6	36.5	428	305	8.6	1.32	.93	.92	9.02	8.50	D
85	0530	520.02	50.1	169	221	120	18.4	2720	513.75	8.97	9.05	974.7	975	36.6	36.6	429	306	8.6	1.33	.82	.82	9.01	8.50	D
86	0532	521.00	27.1	152	224	120	17.9	2720	514.79	8.97	9.07	975.6	975	36.6	36.9	428	307	8.7	1.33	.95	.94	9.03	8.50	D
87	0533	522.04	47.8	122	148	120	16.0	2730	515.20	8.97	9.05	977.4	979	36.6	37.2	429	308	8.7	1.34	.80	.80	9.02	8.50	D
88	0535	523.05	35.1	116	148	119	17.5	2730	515.27	8.97	9.06	985.1	986	36.6	37.3	433	309	8.7	1.34	.89	.88	9.04	8.50	D
89	0536	524.00	44.3	143	158	116	19.1	2730	515.27	8.97	9.06	981.5	981	36.6	37.1	431	310	8.7	1.34	.84	.84	9.06	8.50	D
90	0537	525.01	57.9	93.7	134	118	19.0	2720	515.27	8.98	9.05	980.1	979	36.6	37.1	429	311	8.8	1.35	.79	.78	9.07	8.50	D
91	0539	526.08	40.6	78.9	97.0	120	18.8	2730	517.10	8.98	9.06	981.2	981	36.7	37.0	431	312	8.8	1.35	.87	.86	9.08	8.50	D
92	0540	527.00	45.7	85.8	99.0	121	19.5	2730	517.51	8.98	9.06	981.7	983	36.7	36.8	430	313	8.8	1.35	.85	.84	9.07	8.50	D
93	0548	528.00	41.5	154	214	120	20.0	2720	520.15	8.98	9.07	973.0	974	36.7	36.7	436	314	8.8	1.36	.88	.87	9.06	8.50	D
94	0549	529.00	45.5	156	217	121	18.9	2720	520.97	8.98	9.07	976.7	977	36.7	36.8	434	315	8.9	1.36	.85	.84	9.06	8.50	D
95	0552	530.04	21.1	130	184	121	17.4	2710	523.23	8.99	9.09	974.1	974	36.7	37.1	438	316	8.9	1.37	1.00	.99	9.06	8.50	D
96	0555	531.00	26.1	111	158	122	16.4	2720	524.63	8.99	9.08	974.8	975	36.7	36.9	406	317	9.0	1.38	.94	.94	9.05	8.50	D
97	0558	532.00	17.5	97.2	192	122	14.5	2710	525.90	8.99	9.09	975.6	975	36.7	36.9	407	318	9.0	1.38	1.00	.99	9.05	8.50	D
98	0600	533.00	28.4	140	210	121	15.3	2710	526.65	8.99	9.08	973.5	973	36.7	37.0	406	319	9.0	1.39	.91	.90	9.05	8.50	
99	0601	534.02	46.8	138	166	121	15.7	2710	527.58	8.99	9.08	972.0	972	36.7	37.1	410	320	9.1	1.39	.81	.80	9.04	8.50	
100	0603	535.01	39.0	146	186	121	16.2	2700	528.26	9.00	9.08	972.3	973	36.8	37.1	409	321	9.1	1.40	.85	.85	9.05	8.50	D

ESSO AUST Conger No.1

Data Printed at time 02:55 Date Mar 14 '89
Data Recorded at time 06:04 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD
101	0604	536.00	49.4	150	185	121	16.1	2710	528.43	9.00	9.08	973.6	973	36.8	37.1	413	322	9.1	1.40	.80	.80	9.06	8.50 D
102	0606	537.02	39.0	142	193	121	15.8	2690	529.33	9.00	9.08	972.6	973	36.8	37.0	413	323	9.1	1.40	.85	.84	9.07	8.50 D
103	0616	538.00	63.5	114	192	120	14.1	2680	530.90	9.00	9.07	961.9	962	36.6	36.6	411	324	9.2	1.41	.73	.72	9.05	8.50 D↑
104	0618	539.08	26.1	94.7	185	117	10.6	2680	532.46	9.00	9.09	964.1	965	36.5	36.5	414	325	9.2	1.42	.85	.85	9.06	8.50 D
105	0619	540.00	51.7	106	187	119	9.99	2930	533.02	9.00	9.08	989.1	994	36.4	36.8	414	326	9.2	1.42	.71	.71	9.05	8.50 D
106	0621	541.02	35.2	94.6	232	118	9.18	2930	534.53	9.01	9.08	1020	1021	36.5	36.9	414	327	9.3	1.42	.77	.77	9.05	8.50 D
107	0622	542.01	43.2	95.2	213	117	9.42	2930	535.26	9.01	9.08	1022	1021	36.4	37.1	414	328	9.3	1.43	.74	.73	9.05	8.50 D
108	0624	543.01	26.3	85.6	173	119	8.44	2900	536.18	9.01	9.09	1022	1022	36.4	37.3	416	329	9.3	1.43	.81	.81	9.06	8.50 D
109	0629	544.02	45.2	88.3	143	108	7.76	950	536.18	9.01	9.08	567.1	568	36.4	37.4	427	330	9.4	1.44	.68	.68	9.06	8.50 D
110	0630	545.00	38.8	108	167	122	7.84	940	536.18	9.01	9.09	566.0	566	36.4	37.4	429	331	9.4	1.44	.74	.73	9.08	8.50 D
111	0632	546.01	33.9	98.2	155	123	7.95	940	536.97	9.02	9.09	566.8	567	36.3	37.3	402	332	9.4	1.45	.76	.76	9.08	8.50 D
112	0640	547.00	32.8	96.8	122	122	9.10	860	538.67	9.02	9.10	544.8	545	36.0	36.5	383	333	9.5	1.46	.79	.78	9.08	8.50 D
113	0641	548.04	43.2	96.7	122	122	11.5	880	538.98	9.02	9.10	546.4	547	36.0	36.4	385	334	9.5	1.46	.77	.77	9.09	8.50 D
114	0643	549.00	40.3	94.4	117	121	11.7	880	539.47	9.02	9.10	546.9	547	35.9	36.2	384	335	9.5	1.46	.79	.78	9.10	8.50 D
115	0645	550.00	25.4	68.9	96.0	122	10.1	880	540.39	9.02	9.11	545.9	546	35.9	36.2	361	336	9.6	1.47	.85	.85	9.11	8.50 D
116	0647	551.00	34.7	58.6	79.0	122	10.5	880	540.82	9.03	9.11	544.0	544	35.8	36.3	354	337	9.6	1.47	.80	.79	9.12	8.50 D
117	0648	552.02	47.8	85.1	109	121	11.5	870	541.16	9.03	9.10	547.4	548	35.7	36.3	353	338	9.6	1.48	.75	.74	9.12	8.50 D
118	0649	553.03	58.8	62.5	92.0	122	9.55	870	541.38	9.03	9.10	547.0	548	35.7	36.3	353	339	9.6	1.48	.68	.68	9.13	8.50 D
119	0650	554.04	76.3	56.6	62.0	122	10.2	880	541.67	9.03	9.09	547.7	547	35.7	36.3	355	340	9.6	1.48	.64	.63	9.13	8.50 D
120	0651	555.02	59.8	63.4	75.0	122	11.8	880	541.99	9.03	9.10	546.4	547	35.6	36.3	356	341	9.7	1.48	.71	.70	9.15	8.50 D
121	0654	556.00	19.4	66.3	85.0	121	10.6	880	542.77	9.03	9.12	547.8	548	35.5	36.3	359	342	9.7	1.49	.90	.90	9.18	8.50 D
122	0703	557.00	37.4	123	164	119	12.7	850	545.25	9.04	9.12	533.1	533	35.2	36.0	370	343	9.8	1.50	.81	.80	9.15	8.50 D
123	0705	558.03	33.6	144	179	119	14.8	840	545.45	9.04	9.12	533.4	534	35.2	35.7	338	344	9.8	1.51	.86	.85	9.17	8.50 D
124	0706	559.01	41.0	144	240	118	12.7	840	546.19	9.04	9.12	534.2	535	35.1	35.8	313	345	9.8	1.51	.79	.78	9.17	8.50 D
125	0708	560.01	43.1	107	205	119	10.7	840	547.08	9.04	9.12	533.0	533	35.0	35.9	306	346	9.8	1.51	.75	.75	9.17	8.50 D
126	0709	561.03	49.2	147	259	117	13.8	870	547.99	9.04	9.12	532.9	533	35.0	36.0	310	347	9.9	1.52	.76	.76	9.17	8.50 D
127	0713	562.01	16.3	128	178	119	13.4	870	549.40	9.05	9.14	540.2	540	34.9	35.7	314	348	9.9	1.53	.98	.98	9.20	8.50 D
128	0714	563.01	41.9	106	163	119	12.0	870	550.46	9.05	9.13	542.5	542	34.8	35.6	313	349	10.0	1.53	.78	.77	9.17	8.50 D
129	0716	564.01	26.7	141	224	116	13.8	870	552.63	9.05	9.14	541.1	541	34.8	35.4	315	350	10.0	1.53	.88	.88	9.17	8.50 D
130	0720	565.04	17.2	123	182	116	14.0	880	554.28	9.05	9.15	540.8	541	34.7	35.1	320	351	10.0	1.54	.98	.97	9.17	8.50 D
131	0729	566.04	34.3	205	236	115	13.4	890	555.05	9.06	9.14	548.5	549	34.5	34.9	329	352	10.1	1.55	.83	.83	9.16	8.50 D
132	0731	567.01	34.3	179	221	119	12.2	900	556.18	9.06	9.14	551.5	552	34.4	34.3	330	353	10.1	1.56	.82	.81	9.16	8.50 D
133	0733	568.01	25.3	174	235	119	13.5	890	557.31	9.06	9.15	551.4	551	34.4	33.8	332	354	10.2	1.56	.90	.89	9.17	8.50 D
134	0735	569.02	34.9	169	201	120	13.5	890	558.76	9.06	9.15	551.2	551	34.3	33.9	331	355	10.2	1.57	.84	.83	9.16	8.50 D
135	0736	570.03	38.0	177	245	119	13.6	890	559.85	9.06	9.15	551.1	551	34.3	34.1	336	356	10.2	1.57	.82	.81	9.15	8.50 D
136	0738	571.01	32.3	181	225	119	14.2	890	560.48	9.07	9.15	550.0	550	34.2	34.3	335	357	10.3	1.58	.86	.85	9.17	8.50 D
137	0740	572.02	36.0	185	234	119	14.7	900	560.72	9.07	9.15	548.9	549	34.2	34.1	337	358	10.3	1.58	.84	.84	9.18	8.50 D
138	0741	573.03	34.6	160	209	120	13.0	890	561.92	9.07	9.15	548.1	548	34.1	33.9	339	359	10.3	1.59	.83	.82	9.17	8.50 D
139	0744	574.01	22.9	161	227	119	13.4	900	562.89	9.07	9.16	548.4	549	34.1	33.8	340	360	10.4	1.59	.92	.91	9.19	8.50 D
140	0752	575.00	63.3	161	188	117	13.6	860	563.77	9.08	9.15	538.6	539	33.7	33.7	351	361	10.4	1.60	.71	.71	9.17	8.50 D↑
141	0754	576.01	45.5	155	189	121	13.2	860	563.77	9.08	9.15	540.7	541	33.7	33.8	351	362	10.4	1.60	.78	.77	9.18	8.50 D
142	0757	578.00	32.1	151	231	120	13.7	870	565.58	9.08	9.17	537.7	538	33.6	33.5	333	364	10.5	1.61	.85	.85	9.21	8.50 D
143	0800	579.01	22.8	164	256	120	14.3	870	566.67	9.08	9.18	540.1	540	33.5	33.2	296	365	10.5	1.62	.93	.93	9.22	8.50 D
144	0801	580.01	41.3	201	253	119	15.3	860	567.44	9.08	9.17	538.1	538	33.4	32.9	298	366	10.6	1.62	.82	.81	9.21	8.50 D
145	0804	581.00	24.7	167	205	121	13.8	860	568.84	9.09	9.18	539.1	539	33.3	32.9	298	367	10.6	1.63	.91	.90	9.21	8.50 D
146	0806	582.01	26.5	191	229	120	16.0	860	570.00	9.09	9.18	539.8	540	33.2	32.7	301	368	10.6	1.63	.92	.92	9.21	8.50 D
147	0809	583.05	19.2	180	248	120	14.5	860	571.86	9.09	9.19	537.9	538	33.1	32.8	305	369	10.7	1.64	.97	.97	9.21	8.50 D
148	0812	584.00	21.4	164	210	121	13.7	860	572.94	9.09	9.19	538.6	538	33.0	32.9	308	370	10.7	1.65	.94	.93	9.21	8.50 D

ESSO AUST Conger No.1

Data Printed at time 03:00 Date Mar 14 '89
Data Recorded at time 08:24 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	hr	EST TW	DXC	NXB	ECD	NXM	
149	0824	585.02	15.5	179	240	118	14.1	870	576.12	9.10	9.20	539.9	540	32.6	33.1	317	371	10.8	1.66	1.01	1.00	9.19	8.50	D
150	0826	586.01	32.9	183	297	117	13.1	870	577.04	9.10	9.19	539.4	539	32.5	32.7	321	372	10.9	1.67	.84	.84	9.17	8.50	D
151	0829	587.00	24.5	172	230	121	13.3	860	578.02	9.10	9.20	541.0	541	32.5	32.3	322	373	10.9	1.67	.91	.90	9.18	8.50	D
152	0831	588.05	22.2	163	220	120	12.6	860	579.42	9.11	9.20	539.5	539	32.4	32.2	328	374	10.9	1.68	.92	.91	9.18	8.50	D
153	0835	589.00	15.7	165	239	120	13.1	860	580.69	9.11	9.21	539.5	540	32.4	32.2	329	375	11.0	1.69	1.00	.99	9.18	8.50	D
154	0839	591.03	34.0	186	226	120	15.2	860	582.38	9.12	9.20	539.9	540	32.3	32.2	333	377	11.1	1.70	.87	.86	9.18	8.50	D
155	0842	592.01	19.0	193	301	119	17.2	870	582.79	9.12	9.22	539.9	540	32.3	32.1	336	378	11.1	1.71	1.01	1.01	9.21	8.50	D
156	0845	593.02	25.4	179	232	120	16.7	860	582.79	9.12	9.22	538.9	539	32.2	32.0	337	379	11.2	1.72	.95	.94	9.22	8.50	D
157	0848	594.00	18.9	210	279	117	17.9	870	582.97	9.12	9.23	537.3	537	32.2	32.0	337	380	11.2	1.72	1.02	1.01	9.23	8.50	D
158	0856	595.05	30.5	185	258	116	19.3	2560	584.74	9.13	9.22	960.4	961	32.0	31.5	335	381	11.3	1.73	.93	.92	9.22	8.50	D
159	0857	596.00	46.6	215	252	119	20.7	2570	585.19	9.13	9.21	964.0	963	32.0	31.6	337	382	11.3	1.74	.85	.85	9.22	8.50	D
160	0858	597.01	46.6	228	280	117	20.8	2810	585.65	9.13	9.21	984.0	986	32.0	31.7	337	383	11.3	1.74	.85	.85	9.23	8.50	D
161	0902	598.00	20.7	208	279	118	19.6	2750	587.12	9.13	9.23	976.4	977	32.1	31.8	335	384	11.4	1.75	1.02	1.01	9.26	8.50	D
162	0903	599.00	44.7	195	230	120	17.6	2760	588.13	9.13	9.22	977.7	977	32.2	31.8	334	385	11.4	1.75	.83	.83	9.24	8.50	D
163	0906	600.00	19.2	172	225	120	17.4	2780	590.24	9.14	9.24	980.5	981	32.3	31.9	335	386	11.4	1.76	1.01	1.01	9.24	8.50	D
164	0908	601.00	25.8	233	384	114	20.8	2790	591.98	9.14	9.24	983.4	982	32.4	31.9	333	387	11.5	1.76	.98	.97	9.23	8.50	D
165	0910	602.00	33.3	238	326	116	21.4	2800	593.12	9.14	9.23	981.1	981	32.4	31.9	333	388	11.5	1.77	.93	.93	9.23	8.50	D
166	0911	603.04	39.1	223	254	119	21.0	2800	593.29	9.14	9.23	983.6	983	32.5	31.9	335	389	11.5	1.77	.90	.89	9.24	8.50	D
167	0913	604.01	52.3	219	264	114	20.6	2810	594.65	9.14	9.23	983.1	984	32.5	31.8	334	390	11.6	1.78	.82	.81	9.23	8.50	D
168	0922	605.00	20.0	194	272	118	20.9	2760	598.16	9.15	9.25	974.9	975	32.6	31.9	328	391	11.6	1.79	1.05	1.04	9.21	8.50	D
169	0923	606.03	49.4	238	282	115	20.8	2750	598.63	9.15	9.23	975.0	975	32.6	31.9	328	392	11.6	1.79	.84	.83	9.20	8.50	D
170	0925	607.00	38.5	249	287	119	28.0	2760	598.89	9.15	9.25	974.7	975	32.6	32.0	329	393	11.7	1.79	.97	.96	9.22	8.50	D
171	0927	608.02	28.8	246	289	120	30.3	2760	600.16	9.15	9.26	977.7	978	32.6	32.3	327	394	11.7	1.80	1.06	1.05	9.24	8.5	
172	0929	609.00	27.2	252	306	118	30.9	2770	601.60	9.15	9.26	976.0	976	32.7	32.4	327	395	11.7	1.80	1.08	1.07	9.23	8.50	D
173	0930	610.01	56.7	252	289	120	29.3	2770	602.25	9.16	9.24	975.3	976	32.7	32.5	328	396	11.8	1.81	.89	.88	9.22	8.50	D
174	0931	611.02	44.7	243	291	120	30.3	2780	602.67	9.16	9.25	975.6	976	32.7	32.6	329	397	11.8	1.81	.95	.95	9.24	8.50	D
175	0933	612.03	33.2	254	321	119	30.6	2780	602.67	9.16	9.26	978.1	979	32.8	32.8	326	398	11.8	1.81	1.03	1.02	9.26	8.50	D
176	0936	613.04	31.3	291	563	118	27.4	2780	603.24	9.16	9.26	977.4	977	32.9	32.9	323	399	11.8	1.82	1.01	1.00	9.27	8.50	D
177	0943	614.00	42.5	259	332	112	30.2	2800	605.88	9.16	9.26	979.3	980	33.0	33.1	322	400	11.9	1.83	.95	.94	9.24	8.50	D
178	0945	615.02	33.9	282	321	119	32.2	2800	606.64	9.17	9.27	980.6	981	33.1	33.0	320	401	11.9	1.83	1.03	1.03	9.25	8.50	D
179	0947	616.03	41.4	270	313	119	31.7	2800	607.21	9.17	9.27	980.8	981	33.2	32.9	320	402	11.9	1.84	.98	.97	9.25	8.50	D
180	0949	617.01	30.4	271	335	119	32.0	2790	608.72	9.17	9.28	982.9	983	33.2	33.1	318	403	12.0	1.84	1.06	1.05	9.26	8.50	D
181	0950	618.00	33.0	268	335	118	32.1	2800	610.19	9.17	9.28	980.2	981	33.3	33.2	319	404	12.0	1.85	1.04	1.03	9.25	8.50	D
182	0952	619.00	29.5	257	329	119	32.7	2810	610.93	9.17	9.28	982.7	983	33.4	33.1	317	405	12.0	1.85	1.07	1.07	9.26	8.50	D
183	0954	620.00	39.1	261	314	119	33.1	2810	611.58	9.17	9.28	982.3	982	33.4	33.4	319	406	12.1	1.85	1.01	1.00	9.26	8.50	D
184	0955	621.02	35.9	256	330	118	33.8	2820	611.79	9.18	9.28	981.5	981	33.5	33.5	317	407	12.1	1.86	1.03	1.03	9.27	8.50	D
185	0957	622.03	30.8	271	338	118	33.3	2820	611.79	9.18	9.28	981.4	981	33.6	33.6	318	408	12.1	1.86	1.06	1.06	9.29	8.50	D
186	1005	623.03	36.4	257	364	116	32.0	2860	614.97	9.18	9.28	987.5	988	33.9	33.9	314	409	12.2	1.87	1.01	1.00	9.26	8.50	D
187	1007	624.04	26.5	247	292	119	35.9	2850	616.15	9.18	9.30	985.5	985	33.9	33.7	315	410	12.2	1.88	1.13	1.12	9.27	8.50	D
188	1009	625.00	27.7	253	340	116	36.1	2850	617.19	9.19	9.30	983.4	984	34.0	33.7	313	411	12.3	1.88	1.11	1.11	9.27	8.50	D
189	1013	626.00	23.0	286	552	110	34.1	2850	619.04	9.19	9.30	986.6	987	34.1	34.0	316	412	12.3	1.89	1.13	1.13	9.27	8.50	D
190	1017	627.01	14.8	220	554	117	28.4	2850	621.57	9.19	9.31	986.3	986	34.3	34.5	313	413	12.4	1.90	1.20	1.20	9.25	8.50	D
191	1019	628.02	30.9	225	273	121	30.6	2850	621.57	9.20	9.30	986.3	986	34.3	34.3	315	414	12.4	1.91	1.05	1.04	9.25	8.50	D
192	1022	629.05	20.4	203	271	122	30.5	2850	622.39	9.20	9.31	985.7	986	34.5	34.4	309	415	12.5	1.91	1.15	1.15	9.27	8.50	D
193	1024	630.01	34.0	183	229	120	28.9	2860	623.15	9.20	9.30	989.9	990	34.6	34.3	311	416	12.5	1.92	1.01	1.00	9.26	8.50	D
194	1026	631.00	24.9	168	215	121	27.3	2860	624.40	9.20	9.31	986.8	986	34.7	34.8	310	417	12.5	1.93	1.07	1.07	9.27	8.50	D
195	1029	632.03	20.2	172	273	121	27.4	2860	624.93	9.21	9.32	988.6	987	34.7	34.9	310	418	12.6	1.93	1.12	1.12	9.28	8.50	D
196	1039	633.00	21.6	164	222	117	29.3	2810	626.78	9.21	9.32	975.6	963	34.5	35.0	319	419	12.7	1.95	1.12	1.11	9.27	8.5	

ESSO AUST Conger No.1

Data Printed at time 03:04 Date Mar 14 '89
Data Recorded at time 10:43 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT- m	THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD
197	1043	634.00	18.5	145	204	119	28.8	2810	628.07	9.21	9.33	974.8	975	34.6	35.4	324	420	12.7	1.95	1.16	1.15	9.28	8.50 D
198	1046	635.00	20.6	186	229	120	30.4	2860	629.37	9.10	8.98	987.9	982	34.7	35.4	324	421	12.8	1.96	1.15	1.14	8.93	8.50 D
199	1049	636.00	19.5	194	291	121	31.2	2860	630.28	9.10	9.30	989.0	987	34.9	35.1	327	422	12.8	1.97	1.16	1.16	8.99	8.50 D
200	1051	637.01	26.0	210	312	122	30.9	2870	631.06	9.10	9.30	987.6	988	35.0	34.8	327	423	12.9	1.98	1.09	1.08	9.03	8.50 D
201	1053	638.00	25.2	200	287	122	30.4	2870	631.07	9.10	9.30	989.9	988	35.0	35.2	330	424	12.9	1.98	1.08	1.08	9.09	8.50 D
202	1057	639.01	18.3	190	239	122	29.2	2870	632.09	9.10	9.30	987.2	987	35.1	35.2	333	425	13.0	1.99	1.14	1.13	9.15	8.50 D
203	1101	640.05	16.5	215	512	117	28.4	2870	633.48	9.10	9.30	988.2	988	35.1	35.3	337	426	13.0	2.00	1.14	1.13	9.23	8.50 D
204	1104	641.00	24.9	186	254	123	24.5	2870	634.05	9.10	9.30	991.2	990	35.2	35.5	336	427	13.1	2.01	1.01	1.01	9.24	8.50 D
205	1106	642.01	24.0	205	282	122	28.7	2870	635.27	9.10	9.30	988.4	988	35.2	35.6	337	428	13.1	2.01	1.06	1.05	9.23	8.50 D
206	1118	643.06	21.8	190	252	119	27.5	2890	637.77	9.10	9.30	993.8	991	35.1	35.9	344	429	13.2	2.03	1.07	1.06	9.21	8.50 D
207	1120	644.01	27.3	190	226	120	29.4	2880	638.38	9.10	9.30	992.6	992	35.1	36.0	349	430	13.2	2.03	1.04	1.03	9.22	8.50 D
208	1124	645.00	18.3	242	561	114	29.0	2900	639.26	9.10	9.30	991.9	990	35.3	36.0	350	431	13.3	2.04	1.11	1.11	9.22	8.50 D
209	1128	646.03	15.8	163	216	123	28.0	2890	640.72	9.10	9.30	993.9	993	35.4	35.9	352	432	13.4	2.05	1.16	1.15	9.22	8.50 D
210	1132	647.00	16.6	153	204	123	27.2	2880	640.73	9.60	9.80	994.7	993	35.6	35.9	359	433	13.4	2.06	1.13	1.12	9.29	8.50 D
211	1134	648.05	24.7	165	209	123	27.0	2890	641.47	9.60	9.80	992.5	993	35.6	35.8	358	434	13.5	2.07	1.03	1.02	9.37	8.50 D
212	1137	649.00	16.8	145	200	121	24.9	2890	642.98	9.60	9.80	993.0	992	35.6	36.2	320	435	13.5	2.08	1.08	1.07	9.46	8.50 D
213	1140	650.01	20.0	133	163	120	23.9	2880	643.62	9.60	9.80	996.3	995	35.6	36.3	341	436	13.6	2.08	1.02	1.01	9.56	8.50 D
214	1144	651.00	19.1	137	186	119	23.9	2840	644.43	9.60	9.80	993.4	992	33.2	36.6	481	437	13.6	2.09	1.02	1.01	9.64	8.50 D
215	1158	652.06	19.6	176	260	120	28.0	2780	647.27	9.60	9.80	990.6	989	32.6	36.1	491	438	13.7	2.11	1.04	1.04	9.70	8.50 D
216	1201	653.00	25.9	217	254	118	32.1	2780	647.96	9.60	9.80	990.9	990	32.9	35.8	489	439	13.7	2.11	1.02	1.01	9.71	8.50 D
217	1203	654.02	23.0	242	291	118	37.6	2790	648.84	9.60	9.80	990.0	989	33.2	35.8	496	440	13.8	2.12	1.09	1.08	9.71	8.50 D
218	1205	655.03	38.0	241	297	117	39.9	2790	649.49	9.60	9.80	990.0	989	33.4	35.9	481	441	13.8	2.12	.98	.97	9.71	8.50 D
219	1207	656.01	32.4	221	257	118	37.6	2790	649.82	9.60	9.80	991.9	990	33.6	35.8	465	442	13.8	2.13	1.00	1.00	9.72	8.50 D
220	1208	657.02	38.3	228	316	116	36.5	2800	650.20	9.60	9.80	990.8	990	33.8	35.8	466	443	13.9	2.13	.95	.95	9.73	8.50 D
221	1211	658.00	23.0	211	270	118	36.8	2800	650.20	9.60	9.80	991.0	990	34.1	36.0	467	444	13.9	2.14	1.08	1.07	9.74	8.50 D
222	1212	659.04	43.8	233	286	119	36.6	2800	650.20	9.60	9.80	989.7	989	34.3	35.8	470	445	13.9	2.14	.92	.92	9.75	8.50 D
223	1214	660.02	26.4	236	283	118	35.9	2800	650.28	9.60	9.80	991.0	990	34.5	35.8	473	446	14.0	2.15	1.04	1.03	9.76	8.50 D
224	1217	661.00	24.0	231	266	119	37.0	2810	651.28	9.60	9.80	988.8	988	34.7	35.4	476	447	14.0	2.15	1.07	1.06	9.76	8.50 D
225	1227	662.00	32.7	216	253	116	33.7	2880	653.93	9.60	9.80	999.4	996	34.8	34.6	489	448	14.1	2.17	.97	.96	9.74	8.50 D
226	1228	663.00	39.2	219	242	117	33.8	2870	655.09	9.60	9.80	998.7	998	34.8	34.5	456	449	14.1	2.17	.93	.92	9.74	8.50 D
227	1230	664.01	36.9	226	254	118	33.4	2870	656.16	9.60	9.80	997.6	997	34.8	34.7	445	450	14.1	2.17	.94	.93	9.74	8.50 D
228	1231	665.00	31.9	224	251	116	33.0	2860	656.54	9.60	9.80	1000	998	34.8	34.7	450	451	14.2	2.18	.97	.96	9.75	8.50 D
229	1233	666.03	32.4	228	249	117	34.8	2860	657.70	9.60	9.80	999.7	999	34.8	34.8	451	452	14.2	2.18	.98	.97	9.75	8.50 D
230	1242	667.00	19.9	195	246	120	40.5	2840	660.02	9.60	9.80	997.9	997	34.9	35.5	469	453	14.3	2.19	1.15	1.14	9.73	8.50 D
231	1245	668.04	25.1	221	254	120	40.6	2840	661.51	9.60	9.80	998.9	997	34.9	35.3	466	454	14.3	2.20	1.09	1.08	9.73	8.50 D
232	1247	669.02	25.8	226	253	120	40.9	2830	662.98	9.60	9.80	998.3	998	35.0	35.2	466	455	14.4	2.21	1.09	1.08	9.72	8.50 D
233	1249	670.01	25.8	243	274	120	42.8	2840	664.11	9.60	9.80	997.1	997	35.0	35.4	470	456	14.4	2.21	1.10	1.09	9.72	8.50 D
234	1251	671.00	31.2	224	268	120	41.2	2850	664.79	9.60	9.80	1004	999	35.0	35.5	473	457	14.4	2.22	1.04	1.04	9.72	8.50 D
235	1301	672.00	19.7	212	259	119	39.9	2800	664.84	9.60	9.80	989.1	988	35.0	35.5	485	458	14.5	2.23	1.14	1.13	9.73	8.50 D
236	1303	673.00	26.5	235	281	120	40.4	2800	665.81	9.60	9.80	1004	1002	35.1	35.6	485	459	14.6	2.24	1.08	1.07	9.73	8.50 D
237	1305	674.00	32.4	241	298	119	40.6	2800	666.50	9.60	9.80	995.0	999	35.1	35.7	488	460	14.6	2.24	1.03	1.02	9.74	8.50 D
238	1307	675.00	27.0	229	261	120	40.8	2810	667.48	9.60	9.80	990.7	990	35.1	35.7	490	461	14.6	2.25	1.07	1.06	9.74	8.50 D
239	1311	676.00	16.6	219	264	120	41.6	2800	668.96	9.60	9.80	991.3	990	35.2	35.6	492	462	14.7	2.26	1.20	1.19	9.73	8.50 D
240	1312	677.00	30.8	219	270	120	40.5	2820	669.66	9.60	9.80	990.6	990	35.3	35.7	495	463	14.7	2.26	1.04	1.03	9.73	8.50 D
241	1314	678.00	35.6	215	244	120	39.7	2820	669.66	9.60	9.80	993.1	992	35.3	35.9	496	464	14.7	2.27	1.00	.99	9.74	8.50 D
242	1316	679.01	32.9	217	255	120	40.9	2820	670.14	9.60	9.80	993.9	992	35.3	36.1	498	465	14.8	2.27	1.02	1.02	9.75	8.50 D
243	1318	680.02	29.2	223	282	120	41.7	2820	670.68	9.60	9.80	995.7	994	35.4	36.1	501	466	14.8	2.28	1.06	1.05	9.76	8.50 D
244	1331	681.04	18.1	196	253	115	39.9	2830	673.83	9.60	9.80	992.9	965	35.4	35.7	517	467	14.9	2.29	1.16	1.15	9.73	8.50 D

ESSO AUST Conger No.1

Data Printed at time 03:09 Date Mar 14 '89
Data Recorded at time 13:33 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD
245	1333	682.00	31.1	239	264	123	39.5	2820	674.36	9.60	9.80	994.3	990	35.4	35.1	519	468	14.9	2.29	1.04	1.03	9.74	8.50 D
246	1335	683.00	27.1	226	262	123	39.0	2820	675.15	9.80	9.80	993.8	993	35.4	35.6	521	469	15.0	2.30	1.06	1.06	9.74	8.50 D
247	1339	684.00	16.3	224	258	123	38.3	890	676.90	9.80	9.70	535.6	596	35.4	35.8	557	470	15.0	2.31	1.18	1.17	9.75	8.50 D
248	1343	685.02	15.8	221	271	123	37.2	2800	678.15	9.80	9.70	977.1	887	35.3	35.3	516	471	15.1	2.32	1.17	1.17	9.78	8.50 D
249	1344	686.05	49.1	241	269	123	36.9	2850	678.75	9.80	9.70	998.1	971	35.3	35.2	519	472	15.1	2.32	.90	.89	9.81	8.50 D
250	1346	687.01	33.5	242	274	123	36.5	2850	679.44	9.80	9.70	998.4	995	35.3	35.5	523	473	15.1	2.33	.99	.98	9.83	8.50 D
251	1347	688.01	36.4	245	280	123	39.3	2850	679.54	9.80	9.70	997.3	997	35.3	35.8	525	474	15.2	2.33	.98	.98	9.85	8.50 D
252	1349	689.02	39.4	245	274	122	39.6	2850	679.54	9.80	9.70	996.6	995	35.3	36.0	527	475	15.2	2.33	.96	.96	9.88	8.50 D
253	1350	690.01	41.2	247	272	123	39.0	2850	679.55	9.80	9.70	999.9	998	35.3	35.9	529	476	15.2	2.34	.95	.94	9.90	8.50 D
254	1401	691.02	19.9	177	271	120	39.0	2830	682.55	9.80	9.70	992.4	992	35.3	35.9	540	477	15.3	2.35	1.11	1.10	9.94	8.50 D
255	1406	692.00	12.4	171	226	121	40.3	2830	684.87	9.80	9.70	994.9	994	35.3	36.2	546	478	15.4	2.37	1.24	1.23	9.93	8.50 D
256	1408	693.01	35.8	232	362	118	40.3	2830	685.83	9.80	9.70	994.2	994	35.4	36.2	545	479	15.4	2.37	.98	.97	9.93	8.50 D
257	1410	694.02	27.2	189	298	119	39.1	2830	687.29	9.80	9.70	992.1	992	35.4	36.4	549	480	15.5	2.38	1.04	1.03	9.92	8.50 D
258	1412	695.00	26.5	175	212	120	38.2	2830	688.71	9.80	9.70	994.5	992	35.5	36.1	551	481	15.5	2.38	1.04	1.03	9.92	8.50 D
259	1414	696.00	24.0	199	237	120	40.1	2820	689.05	9.80	9.70	992.3	991	35.5	36.3	554	482	15.5	2.39	1.08	1.07	9.92	8.50 D
260	1418	697.02	17.7	204	244	120	41.1	2830	689.33	9.80	9.70	991.9	991	35.6	36.0	559	483	15.6	2.40	1.16	1.15	9.93	8.50 D
261	1420	698.03	23.3	180	215	120	40.4	2830	689.82	9.80	9.70	992.6	992	35.7	36.1	561	484	15.6	2.40	1.08	1.08	9.94	8.50 D
262	1423	699.01	21.3	164	204	120	39.0	2820	690.27	9.80	9.70	990.7	991	35.7	36.2	564	485	15.7	2.41	1.09	1.09	9.95	8.50 D
263	1439	700.02	15.8	177	259	118	40.5	2790	695.63	9.80	9.70	986.3	984	35.9	36.3	585	486	15.8	2.43	1.18	1.17	9.90	8.50 D
264	1443	701.03	17.2	171	220	123	37.0	2790	696.85	9.80	9.70	984.9	984	35.9	36.5	542	487	15.9	2.44	1.14	1.13	9.89	8.50 D
265	1445	702.00	27.7	201	228	123	38.3	2790	697.67	9.80	9.70	985.9	985	35.9	36.5	547	488	15.9	2.45	1.04	1.03	9.90	8.50 D
266	1447	703.01	28.2	184	239	123	37.0	2780	698.20	9.80	9.70	984.6	984	35.9	36.7	554	489	16.0	2.45	1.02	1.01	9.90	8.50 D
267	1450	704.00	16.4	153	187	123	35.3	2790	698.61	9.40	9.50	987.2	985	36.0	36.7	560	490	16.0	2.46	1.14	1.13	9.88	8.50
268	1455	705.01	13.2	149	186	123	35.5	2780	698.61	9.40	9.50	985.9	985	36.1	36.8	564	491	16.1	2.47	1.20	1.19	9.81	8.50
269	1500	706.00	11.5	150	201	123	35.7	2780	699.25	9.40	9.50	986.5	985	36.2	36.7	567	492	16.2	2.49	1.24	1.24	9.70	8.50 D
270	1504	707.00	16.4	181	251	123	36.9	2790	700.78	9.30	9.40	987.9	986	36.3	36.7	574	493	16.2	2.49	1.19	1.18	9.59	8.50 D
271	1507	708.00	21.2	181	230	123	36.9	2780	702.01	9.30	9.40	987.8	987	36.3	36.8	578	494	16.3	2.50	1.13	1.12	9.52	8.50 D
272	1511	709.00	14.7	166	213	123	36.2	2780	702.94	9.30	9.40	989.2	987	36.4	36.9	582	495	16.4	2.51	1.22	1.21	9.47	8.50 D
273	1523	710.01	17.6	163	198	121	36.7	2800	704.78	9.30	9.40	993.4	991	36.4	36.7	589	496	16.5	2.53	1.19	1.18	9.42	8.50 D
274	1528	711.02	13.0	171	217	123	37.1	2810	706.07	9.30	9.40	992.1	991	36.5	36.8	590	497	16.5	2.54	1.27	1.26	9.40	8.50 D
275	1530	712.00	25.2	201	240	123	38.4	2840	706.81	9.30	9.40	986.8	991	36.6	36.7	592	498	16.6	2.55	1.12	1.11	9.41	8.50 D
276	1533	713.00	22.7	188	223	123	38.0	2860	707.48	9.30	9.40	1071	1055	36.7	36.8	590	499	16.6	2.55	1.14	1.13	9.41	8.50 D
277	1535	714.01	29.7	184	221	123	37.5	2850	708.02	9.30	9.40	1041	1057	36.8	36.9	590	500	16.6	2.56	1.07	1.06	9.42	8.50 D
278	1538	715.00	20.5	178	212	123	37.5	2840	708.11	9.30	9.40	1040	1036	36.9	37.0	596	501	16.7	2.56	1.16	1.15	9.43	8.50 D
279	1543	716.01	12.0	174	219	123	38.0	2840	708.85	9.30	9.40	1032	1018	37.1	36.9	594	502	16.8	2.58	1.29	1.29	9.43	8.50 D
280	1546	717.00	19.5	178	234	122	38.1	2840	709.39	9.30	9.40	1011	1011	37.2	37.1	596	503	16.8	2.59	1.17	1.16	9.44	8.50 D
281	1549	718.00	20.0	163	214	122	36.8	2840	710.68	9.30	9.40	999.9	1000	37.3	37.0	595	504	16.9	2.59	1.15	1.15	9.43	8.50 D
282	1601	719.02	10.8	137	177	119	34.9	2870	713.99	9.40	9.40	1001	982	37.4	36.8	592	505	17.0	2.61	1.23	1.23	9.41	8.50 D
283	1606	720.03	16.3	144	181	120	35.6	2860	715.00	9.40	9.40	1001	1001	37.4	37.5	539	506	17.1	2.62	1.15	1.17	9.43	8.50 D
284	1609	721.00	25.4	148	181	121	35.4	2860	715.89	9.40	9.40	1002	1002	37.3	37.6	543	507	17.1	2.63	1.19	1.20	9.46	8.50 D
285	1613	722.00	18.9	131	153	120	34.6	2860	717.06	9.40	9.40	1005	1004	37.2	37.7	547	508	17.2	2.64	1.13	1.16	9.47	8.50 D
286	1618	723.00	12.5	167	242	120	33.4	2860	717.57	9.40	9.40	1002	1001	37.2	37.7	553	509	17.2	2.65	1.22	1.22	9.50	8.50 D
287	1621	724.00	18.8	178	221	118	33.5	2860	717.86	9.40	9.40	1004	1005	37.3	37.8	555	510	17.3	2.66	1.12	1.11	9.52	8.50 D
288	1624	725.00	19.6	177	206	116	33.1	2860	718.32	9.40	9.40	999.5	1000	37.3	37.9	559	511	17.3	2.66	1.11	1.10	9.52	8.50 D
289	1628	726.00	15.7	168	219	117	32.9	2860	719.52	9.40	9.40	1008	1011	37.4	37.9	563	512	17.4	2.67	1.16	1.15	9.52	8.50 D
290	1632	727.00	14.3	177	217	118	34.6	2860	720.59	9.40	9.40	1009	1009	37.5	37.8	569	513	17.5	2.69	1.20	1.19	9.52	8.50 D
291	1636	728.00	14.6	178	219	118	34.0	2860	721.43	9.40	9.40	1027	1021	37.5	38.1	572	514	17.5	2.70	1.19	1.18	9.52	8.50 D
292	1639	729.00	17.5	154	195	117	33.0	2870	722.41	9.40	9.40	1015	1019	37.6	38.1	574	515	17.6	2.70	1.13	1.12	9.52	8.50 D

ESSO AUST Conger No.1

Data Printed at time 03:14 Date Mar 14 '89
Data Recorded at time 16:49 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD
293	1649	730.00	25.4	213	257	119	32.9	2840	723.63	9.40	9.40	938.5	784	37.5	37.8	559	516	17.7	2.72	1.05	1.04	9.51	8.50 D
294	1650	731.02	36.4	182	215	120	31.8	2840	724.15	9.40	9.40	995.6	967	37.5	37.3	558	517	17.7	2.72	.96	.95	9.52	8.50 D
295	1652	732.00	32.7	174	202	120	31.2	2840	724.51	9.40	9.40	995.8	992	37.5	37.5	559	518	17.7	2.72	.98	.97	9.53	8.50 D
296	1655	733.04	21.4	185	223	120	32.9	2830	725.14	9.40	9.40	993.0	993	37.4	37.9	562	519	17.8	2.73	1.09	1.08	9.54	8.50 D
297	1659	734.02	14.9	205	256	120	35.8	2830	726.12	9.40	9.40	994.6	994	37.4	37.9	568	520	17.8	2.74	1.20	1.19	9.54	8.50 D
298	1702	735.00	18.4	187	228	120	35.5	2830	726.98	9.40	9.40	992.3	991	37.5	37.9	569	521	17.9	2.75	1.15	1.14	9.54	8.50 D
299	1707	736.00	12.4	169	220	120	34.8	2830	727.79	9.30	9.40	994.0	993	37.5	38.1	554	522	18.0	2.76	1.24	1.23	9.53	8.50 D
300	1710	737.01	17.8	172	205	120	34.1	2820	729.80	9.30	9.40	995.1	994	37.5	38.2	548	523	18.0	2.77	1.15	1.14	9.50	8.50 D
301	1715	738.00	13.4	162	194	120	33.7	2830	731.67	9.30	9.40	991.4	991	37.6	38.2	550	524	18.1	2.78	1.22	1.21	9.47	8.50 D
302	1723	739.01	29.6	167	220	113	33.8	2830	733.13	9.30	9.40	991.2	987	37.7	37.8	558	525	18.2	2.79	1.02	1.01	9.43	8.50 D
303	1727	740.04	17.7	170	222	120	33.9	2830	734.04	9.30	9.40	995.2	994	37.7	38.1	544	526	18.2	2.80	1.13	1.13	9.42	8.50 D
304	1732	741.00	18.9	169	239	119	35.0	2820	735.35	9.30	9.40	994.5	993	37.7	38.2	526	527	18.3	2.81	1.07	1.07	9.41	8.50 D
305	1735	742.03	19.9	179	210	121	34.4	2820	736.11	9.30	9.40	991.4	991	37.7	38.1	528	528	18.3	2.82	1.14	1.13	9.41	8.50 D
306	1739	743.01	16.0	172	218	115	34.6	2820	736.96	9.30	9.40	993.0	993	37.7	38.1	528	529	18.4	2.83	1.18	1.17	9.42	8.50 D
307	1743	744.02	15.1	179	227	119	34.9	2830	737.34	9.30	9.40	990.9	990	37.8	38.2	535	530	18.5	2.84	1.18	1.18	9.42	8.50 D
308	1746	745.00	19.2	188	218	120	35.2	2820	738.36	9.30	9.40	992.5	992	37.8	38.2	536	531	18.5	2.84	1.12	1.11	9.42	8.50 D†
309	1749	746.00	26.4	181	219	121	35.2	2820	739.07	9.30	9.40	990.1	990	37.9	38.3	538	532	18.5	2.85	1.14	1.14	9.43	8.50 D†
310	1752	747.05	40.5	163	199	122	34.5	2820	739.40	9.30	9.40	994.6	992	37.9	38.3	539	533	18.6	2.85	1.12	1.13	9.43	8.50 D†
311	1810	748.01	18.6	154	195	120	30.8	2870	743.48	9.30	9.40	999.2	998	37.9	38.3	504	534	18.7	2.87	1.18	1.20	9.40	8.50 D†
312	1814	749.02	34.4	165	204	120	33.3	2860	744.96	9.30	9.40	999.2	998	37.8	38.6	509	535	18.7	2.88	1.10	1.13	9.39	8.50 D
313	1816	750.02	32.7	158	186	118	33.2	2860	745.85	9.30	9.40	999.8	998	37.8	38.8	511	536	18.7	2.88	1.15	1.15	9.39	8.50 D
314	1821	751.01	42.1	128	178	118	32.4	2860	746.31	9.30	9.40	1000	999	37.9	38.7	516	537	18.8	2.88	1.18	1.19	9.40	8.50 D†
315	1827	752.01	19.3	157	210	120	33.0	2850	746.31	9.30	9.40	998.2	998	38.0	38.5	526	538	18.8	2.89	1.12	1.11	9.41	8.50 D†
316	1832	753.03	56.9	172	210	119	33.6	2860	746.83	9.30	9.40	996.6	997	38.1	38.5	540	539	18.8	2.89	1.10	1.30	9.42	8.50 D†
317	1841	754.05	35.2	162	193	121	34.2	2850	749.60	9.30	9.40	999.7	998	38.1	38.5	547	540	18.9	2.90	1.18	1.21	9.40	8.50 D†
318	1846	755.01	51.1	151	178	120	33.4	2860	750.40	9.30	9.40	998.0	997	38.1	38.7	559	541	18.9	2.90	1.16	1.18	9.40	8.50 D†
319	1850	756.05	22.7	130	178	122	34.0	2850	751.17	9.30	9.40	998.5	998	38.2	38.8	556	542	18.9	2.91	1.20	1.21	9.40	8.50 D
320	1859	757.00	8.73	32.7	49.0	120	37.9	2850	751.76	9.30	9.40	988.2	911	38.1	38.7	568	543	19.0	2.92	1.15	1.18	9.40	8.50 D†
321	1905	758.02	14.3	172	223	119	37.6	2840	752.45	9.30	9.40	993.0	992	38.1	38.7	571	544	19.1	2.94	1.19	1.19	9.41	8.50 D
322	1910	759.00	10.5	162	197	120	38.5	2840	753.62	9.30	9.40	994.0	993	38.0	38.9	540	545	19.2	2.95	1.31	1.31	9.41	8.50 D
323	1913	760.00	27.6	171	206	120	38.5	2840	754.54	9.30	9.40	991.4	991	38.0	38.9	540	546	19.2	2.95	1.09	1.08	9.41	8.50 D
324	1915	761.04	22.0	172	205	120	36.4	2840	755.33	9.30	9.40	992.9	991	38.0	39.0	543	547	19.3	2.96	1.13	1.12	9.41	8.50 D
325	1917	762.02	30.5	202	239	120	37.5	2840	755.33	9.30	9.40	992.4	992	38.1	38.9	545	548	19.3	2.97	1.05	1.05	9.42	8.50 D
326	1919	763.00	29.0	203	241	120	37.7	2840	755.33	9.30	9.40	993.3	992	38.1	39.0	548	549	19.3	2.97	1.07	1.06	9.43	8.50 D
327	1922	764.01	26.2	199	237	120	38.2	2840	755.72	9.30	9.40	991.1	991	38.2	39.0	550	550	19.4	2.98	1.09	1.09	9.44	8.50 D
328	1924	765.00	29.8	196	233	120	38.4	2840	756.10	9.30	9.40	993.5	992	38.2	38.9	551	565	19.4	2.98	1.06	1.05	9.45	8.50 D
329	1928	766.00	13.9	183	217	120	39.0	2840	756.99	9.30	9.40	992.1	992	38.3	38.7	554	552	19.5	2.99	1.26	1.25	9.45	8.50 D
330	1934	767.00	10.2	154	202	120	38.2	2840	758.66	9.30	9.40	992.6	991	38.4	38.7	561	553	19.6	3.01	1.33	1.32	9.44	8.50 D
331	1954	768.02	11.6	163	216	120	38.5	2830	764.61	9.30	9.40	991.7	990	38.2	38.7	529	554	19.9	3.05	1.31	1.30	9.38	8.50 D
332	1957	769.01	18.9	156	189	120	37.4	2840	765.10	9.30	9.40	990.7	990	38.2	38.9	531	555	19.9	3.06	1.18	1.17	9.39	8.50 D
333	2000	770.01	22.9	151	183	120	35.8	2840	765.54	9.30	9.40	990.2	990	38.2	39.1	533	556	20.0	3.07	1.11	1.10	9.40	8.50 D
334	2002	771.00	27.6	172	222	120	35.5	2840	765.67	9.30	9.40	993.6	991	38.3	39.0	536	557	20.0	3.07	1.06	1.05	9.41	8.50 D
335	2005	772.00	18.1	162	195	120	35.5	2840	765.73	9.30	9.40	993.1	992	38.3	39.1	539	558	20.0	3.08	1.17	1.16	9.42	8.50 D
336	2010	773.00	12.5	172	210	120	36.2	2840	765.73	9.30	9.40	992.0	991	38.4	39.0	545	559	20.1	3.09	1.26	1.25	9.43	8.50 D
337	2012	774.02	22.4	189	238	120	37.1	2850	765.74	9.30	9.40	993.0	992	38.4	39.1	546	560	20.2	3.10	1.12	1.12	9.44	8.50 D
338	2015	775.00	25.7	210	248	121	38.6	2850	766.36	9.30	9.40	992.4	991	38.4	38.9	547	561	20.2	3.10	1.10	1.10	9.44	8.50 D
339	2017	776.01	32.1	216	253	148	38.0	2850	767.06	9.30	9.40	994.3	992	38.5	38.9	549	562	20.2	3.11	1.09	1.08	9.44	8.50 D
340	2030	777.00	27.6	201	233	148	37.1	2840	770.35	9.30	9.40	989.5	983	38.4	38.2	512	563	20.4	3.13	1.13	1.11	9.42	8.50 D

ESSO AUST Conger No.1

Data Printed at time 03:18 Date Mar 14 '89
Data Recorded at time 20:32 Date Feb 28 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	FOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXM	
341	2032	778.00	25.2	195	224	148	36.7	860	770.73	9.30	9.40	691.7	829	38.5	38.6	517	564	20.4	3.14	1.14	1.13	9.43	8.50	D
342	2037	779.00	14.0	197	231	148	37.6	2730	771.36	9.30	9.40	942.0	813	38.7	38.3	538	565	20.5	3.15	1.30	1.28	9.43	8.50	D
343	2039	780.00	26.6	214	241	148	38.9	2830	772.11	9.30	9.40	988.3	976	38.7	37.9	536	566	20.5	3.15	1.15	1.13	9.43	8.50	D
344	2041	781.01	24.0	207	250	148	38.7	2830	772.88	9.30	9.40	989.0	988	38.8	38.2	536	567	20.6	3.16	1.17	1.16	9.44	8.50	D
345	2044	782.00	21.5	209	250	148	38.4	2830	774.21	9.30	9.40	991.1	989	38.9	38.6	532	568	20.6	3.17	1.20	1.18	9.43	8.50	D
346	2047	783.00	18.5	205	236	148	38.3	2830	775.17	9.30	9.40	991.5	990	39.0	38.8	529	569	20.7	3.18	1.23	1.22	9.43	8.50	D
347	2049	784.00	41.6	217	246	148	37.7	2830	775.17	9.30	9.40	993.5	992	39.0	38.8	528	570	20.7	3.18	1.03	1.01	9.44	8.50	D
348	2051	785.01	28.7	199	239	148	36.9	2830	775.17	9.30	9.40	989.3	989	39.0	38.8	526	571	20.7	3.18	1.11	1.10	9.45	8.50	D
349	2117	786.00	15.8	191	245	148	37.3	2880	781.55	9.30	9.40	995.3	985	37.8	37.9	535	572	21.0	3.23	1.27	1.25	9.40	8.50	D
350	2118	787.01	40.9	210	242	148	37.1	2880	782.38	9.30	9.40	994.5	993	37.6	38.1	537	573	21.0	3.23	1.03	1.02	9.40	8.50	D
351	2120	788.00	39.4	208	253	148	36.3	2870	783.17	9.30	9.40	995.4	994	37.5	38.2	533	574	21.0	3.23	1.04	1.02	9.40	8.50	D
352	2121	789.03	38.2	202	243	148	35.7	2870	783.72	9.30	9.40	994.9	994	37.4	38.4	534	575	21.1	3.24	1.04	1.02	9.40	8.50	D
353	2124	790.03	23.5	189	225	148	35.5	2860	784.18	9.30	9.40	996.5	995	37.4	38.5	533	576	21.1	3.24	1.15	1.14	9.41	8.50	D
354	2127	791.01	20.5	193	228	148	35.8	2860	784.18	9.30	9.40	994.9	994	37.5	38.6	530	577	21.2	3.25	1.19	1.17	9.42	8.50	D
355	2129	792.02	26.9	201	252	148	35.0	2860	784.18	9.30	9.40	995.5	994	37.6	38.6	528	578	21.2	3.26	1.11	1.10	9.43	8.50	D
356	2131	793.00	28.0	204	234	148	35.2	2850	784.18	9.30	9.40	995.7	994	37.8	38.8	529	579	21.2	3.26	1.11	1.09	9.44	8.50	D
357	2133	794.01	27.9	220	258	148	36.9	2850	784.18	9.30	9.40	996.4	995	37.9	38.8	526	580	21.3	3.27	1.12	1.10	9.45	8.50	D
358	2135	795.01	36.8	229	268	148	36.7	2850	784.18	9.30	9.40	997.1	996	38.1	38.7	525	581	21.3	3.27	1.05	1.03	9.46	8.50	D
359	2144	796.01	39.6	219	253	148	36.6	2840	785.42	9.30	9.40	989.6	963	38.6	37.8	468	582	21.4	3.28	1.03	1.01	9.46	8.50	D
360	2146	797.00	33.3	216	244	148	36.0	2840	786.63	9.30	9.40	990.3	987	38.7	37.6	465	583	21.4	3.29	1.07	1.05	9.46	8.50	D
361	2150	798.00	16.2	205	259	148	37.0	2840	788.42	9.30	9.40	991.3	990	38.8	38.5	463	584	21.5	3.30	1.25	1.24	9.45	8.50	D
362	2152	799.01	21.9	226	257	148	37.4	2840	789.26	9.30	9.40	990.1	989	38.9	38.9	472	585	21.5	3.30	1.18	1.17	9.45	8.50	D
363	2155	800.00	21.2	238	309	148	37.4	2840	790.56	9.30	9.40	989.9	988	38.8	39.1	475	586	21.5	3.31	1.19	1.18	9.45	8.5	
364	2157	801.00	24.3	238	276	148	39.6	2850	791.66	9.30	9.40	990.9	990	38.8	39.1	483	587	21.6	3.32	1.18	1.16	9.45	8.50	
365	2201	802.03	19.6	209	248	148	38.5	2840	793.24	9.30	9.40	991.2	990	38.7	39.2	480	588	21.6	3.33	1.22	1.21	9.44	8.50	D
366	2204	803.04	19.7	211	256	148	37.4	2850	794.05	9.30	9.40	989.6	989	38.8	39.3	474	589	21.7	3.33	1.21	1.19	9.44	8.50	D
367	2206	804.02	29.1	213	245	148	37.1	2840	794.09	9.30	9.40	991.8	991	38.9	39.2	473	590	21.7	3.34	1.11	1.10	9.45	8.50	D
368	2214	805.02	24.8	190	239	148	37.2	2870	796.11	9.30	9.40	995.0	967	39.3	38.6	410	591	21.8	3.35	1.15	1.14	9.44	8.50	D
369	2218	806.02	17.3	207	235	148	37.9	2870	797.44	9.30	9.40	995.2	994	39.3	38.7	409	592	21.9	3.36	1.25	1.23	9.44	8.50	D
370	2220	807.01	28.6	224	262	148	37.2	2870	798.23	9.30	9.40	994.3	994	39.4	39.1	413	593	21.9	3.36	1.12	1.10	9.44	8.50	D
371	2222	808.01	30.0	217	260	148	36.6	2870	798.84	9.30	9.40	993.3	993	39.4	39.2	409	594	21.9	3.37	1.10	1.08	9.45	8.50	D
372	2226	809.02	14.9	198	246	148	37.0	2870	800.38	9.30	9.40	993.6	992	39.4	39.4	408	595	22.0	3.38	1.27	1.26	9.44	8.50	D
373	2228	810.00	30.8	226	265	148	37.1	2870	801.09	9.30	9.40	994.0	993	39.3	39.5	407	596	22.0	3.38	1.10	1.08	9.44	8.50	D
374	2230	811.01	22.6	205	240	148	36.7	2870	801.94	9.30	9.40	992.6	991	39.3	39.5	410	597	22.1	3.39	1.17	1.15	9.45	8.50	D
375	2235	812.02	14.0	188	221	148	36.7	2860	803.65	9.30	9.40	994.8	993	39.4	39.6	413	598	22.1	3.40	1.29	1.27	9.44	8.50	D
376	2237	813.00	27.3	209	263	148	36.7	2870	803.70	9.30	9.40	991.4	992	39.4	39.8	412	599	22.2	3.41	1.12	1.11	9.45	8.50	D
377	2239	814.01	29.2	203	235	148	35.5	2860	804.10	9.30	9.40	994.5	993	39.4	39.8	413	600	22.2	3.41	1.10	1.08	9.45	8.50	D
380	2257	815.00	17.8	105	236	130	38.7	2860	809.65	9.30	9.40	990.1	989	39.6	39.6	421	615	22.4	3.42	1.21	1.20	9.42	8.50	D
+ Drill to 815m. Circulate hole clean and POOH. Run wireline logs BHC-GR-Cal.																								
+ NB3 Reed HP11J with 3x16 jets. Start depth 815m.																								
Date Mar 2 '89																								
385	2013	816.01	22.8	183	302	65	20.2	1190	815.00	9.30	9.40	529.1	521	30.8	30.6	503	1.00	.1	.03	.91	.92	9.42	8.50	D
386	2018	817.02	14.3	163	224	66	21.3	1810	815.00	9.30	9.40	627.8	585	30.9	30.8	497	2.00	.2	.06	1.04	1.04	9.43	8.50	D
387	2023	818.00	11.5	158	230	66	22.1	1810	815.00	9.30	9.40	666.6	665	31.1	31.2	498	3.00	.3	.09	1.09	1.10	9.45	8.50	D
+ Drill to 818m, circulate bottoms up and run leak off test.																								
Formation fracture gradient = 16.5ppg EMW																								
389	2153	820.01	13.6	140	208	63	22.2	2760	819.16	9.30	9.40	826.3	824	32.9	30.5	509	4.96	.6	.15	1.05	1.05	9.43	8.50	D
390	2155	821.00	27.3	156	196	71	23.7	2770	819.16	9.30	9.40	838.9	836	32.9	32.0	511	5.99	.6	.17	.92	.93	9.44	8.50	D

ESSO AUST Conger No.1

Data Printed at time 03:23 Date Mar 14 '89
Data Recorded at time 21:57 Date Mar 2 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	FOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
391	2157	822.00	31.6	136	179	71	23.0	2760	819.16	9.30	9.40	838.3	837	32.8	32.3	514	6.99	.6	.18	.88	.88	9.45	8.50	D
392	2210	823.00	19.6	145	186	70	21.9	2700	819.16	9.30	9.40	828.6	828	32.7	33.3	527	8.00	.8	.21	.98	.98	9.47	8.50	D
393	2212	824.00	25.5	142	185	72	20.0	2700	819.16	9.30	9.40	829.4	828	32.8	33.5	530	9.00	.8	.23	.90	.90	9.48	8.50	D
394	2216	825.01	19.0	138	170	82	22.3	2700	819.45	9.30	9.40	831.8	830	32.9	33.8	534	9.99	.9	.25	1.02	1.02	9.48	8.50	D
395	2218	826.00	21.0	150	177	87	23.8	2710	820.56	9.30	9.40	829.0	829	33.0	33.8	537	11.0	.9	.27	1.03	1.03	9.48	8.50	D
396	2221	827.00	26.8	154	177	88	24.2	2710	821.59	9.30	9.40	832.8	831	33.2	34.0	539	12.0	.9	.30	.98	.97	9.48	8.50	D
397	2222	828.00	40.5	153	183	88	23.7	2710	822.27	9.30	9.40	833.6	832	33.2	34.1	542	13.0	1.0	.31	.88	.87	9.49	8.50	D
398	2224	829.00	24.4	150	183	86	24.1	2710	822.38	9.30	9.40	829.9	830	33.4	34.3	544	14.0	1.0	.33	1.00	.99	9.50	8.50	D
399	2227	830.00	23.1	150	189	95	24.4	2710	822.38	9.30	9.40	832.6	831	33.5	34.4	547	15.0	1.0	.36	1.03	1.02	9.51	8.50	D
400	2228	831.01	43.6	159	187	103	24.4	2720	822.63	9.30	9.40	831.2	831	33.6	34.4	548	16.0	1.1	.37	.90	.89	9.51	8.50	D
401	2230	832.00	28.8	167	218	107	25.7	2720	823.20	9.30	9.40	833.7	832	33.7	34.3	551	17.0	1.1	.40	1.02	1.01	9.52	8.50	D
402	2239	833.01	38.9	158	209	107	26.8	2700	825.01	9.30	9.40	830.6	820	34.0	34.4	558	18.0	1.2	.44	.96	.95	9.51	8.50	D
403	2240	834.00	57.2	177	202	107	27.1	2700	825.35	9.30	9.40	830.1	827	34.1	34.3	559	19.0	1.2	.45	.87	.85	9.51	8.50	D
404	2241	835.01	52.6	185	222	108	28.6	2700	825.76	9.30	9.40	828.9	828	34.1	34.4	560	20.0	1.2	.46	.91	.89	9.52	8.50	D
405	2243	836.00	25.0	171	208	108	28.8	2700	826.77	9.30	9.40	829.9	829	34.2	34.4	561	21.0	1.2	.50	1.09	1.08	9.52	8.50	D
406	2245	837.01	48.8	179	212	107	28.7	2700	827.46	9.30	9.40	830.8	830	34.2	34.5	563	22.0	1.3	.51	.92	.91	9.53	8.50	D
407	2247	838.02	29.4	166	205	114	28.9	2850	828.65	9.30	9.40	853.2	846	34.3	34.8	564	22.9	1.3	.53	1.07	1.05	9.53	8.50	D
408	2248	839.00	54.0	189	214	116	30.7	2860	828.99	9.30	9.40	856.2	853	34.3	34.8	566	24.0	1.3	.55	.94	.91	9.53	8.50	D
409	2249	840.01	56.6	191	224	112	31.1	2850	829.40	9.30	9.40	856.2	855	34.3	34.9	566	24.9	1.3	.57	.92	.89	9.54	8.50	D
410	2250	841.00	44.6	185	217	116	31.2	2860	829.85	9.30	9.40	855.8	855	34.4	34.9	567	26.0	1.3	.58	.99	.96	9.54	8.50	D
411	2252	842.03	45.5	183	205	115	30.9	2860	830.81	9.30	9.40	853.3	853	34.5	35.0	569	27.0	1.4	.60	.98	.95	9.54	8.50	D
412	2300	843.00	47.5	188	220	109	29.1	2800	832.27	9.30	9.40	848.3	834	34.7	34.9	576	28.0	1.4	.63	.94	.91	9.54	8.50	D
413	2301	844.01	49.8	192	226	117	30.0	2830	832.27	9.30	9.40	847.4	843	34.7	34.7	576	29.0	1.4	.64	.95	.93	9.55	8.50	D
414	2303	845.01	32.7	191	230	114	33.2	2820	833.65	9.30	9.40	850.9	849	34.7	35.0	578	30.0	1.5	.67	1.08	1.06	9.55	8.50	D
415	2304	846.02	46.2	180	206	114	32.6	2820	834.79	9.30	9.40	849.3	848	34.8	35.2	579	31.0	1.5	.69	.99	.96	9.54	8.50	D
416	2306	847.01	37.9	176	212	115	32.4	2820	835.54	9.30	9.40	849.2	848	34.8	35.3	579	32.0	1.5	.71	1.04	1.01	9.55	8.50	D
417	2307	848.01	42.7	187	229	116	33.1	2810	836.35	9.30	9.40	850.5	849	34.9	35.5	580	33.0	1.5	.72	1.01	.99	9.55	8.50	D
418	2308	849.00	49.9	193	231	113	32.0	2820	837.14	9.30	9.40	849.8	849	34.9	35.5	582	34.0	1.5	.74	.96	.93	9.55	8.50	D
419	2310	850.01	41.1	182	210	117	32.8	2820	837.85	9.30	9.40	850.7	849	35.0	35.5	561	35.0	1.6	.76	1.02	.99	9.55	8.50	D
420	2311	851.03	44.9	182	216	113	32.5	2820	839.06	9.30	9.40	853.1	851	35.0	35.5	529	36.0	1.6	.77	.99	.96	9.55	8.50	D
421	2319	852.00	49.0	176	224	107	32.0	2820	842.22	9.30	9.40	847.4	788	35.1	35.8	510	37.0	1.6	.80	.95	.92	9.53	8.50	D†
422	2320	853.03	46.4	202	240	104	32.4	2820	842.23	9.30	9.40	848.1	835	35.1	35.2	513	38.0	1.7	.81	.96	.93	9.54	8.50	D
423	2321	854.01	51.2	216	238	112	33.7	2820	842.23	9.30	9.40	849.9	845	35.1	35.0	515	39.0	1.7	.83	.96	.93	9.55	8.50	D
424	2322	855.02	56.0	212	242	114	33.6	2820	842.24	9.30	9.40	850.1	848	35.1	35.2	514	40.0	1.7	.84	.94	.91	9.55	8.50	D
425	2323	856.00	71.5	207	232	113	33.1	2820	842.89	9.30	9.40	850.0	849	35.2	35.4	515	41.0	1.7	.85	.87	.84	9.56	8.50	D
426	2325	857.00	34.9	188	227	116	33.3	2820	844.18	9.30	9.40	850.6	850	35.2	35.6	516	42.0	1.7	.87	1.07	1.03	9.56	8.50	D
427	2327	858.02	37.0	182	226	116	32.3	2820	845.18	9.30	9.40	850.3	849	35.2	35.9	519	43.0	1.8	.90	1.04	1.01	9.56	8.50	D
428	2328	859.01	34.7	181	211	115	32.3	2820	846.13	9.30	9.40	850.5	849	35.3	36.0	521	44.0	1.8	.91	1.06	1.02	9.56	8.50	D
429	2330	860.01	39.1	183	217	116	32.9	2810	847.24	9.30	9.40	850.0	849	35.4	35.9	523	45.0	1.8	.93	1.03	1.00	9.56	8.50	D
430	2331	861.02	39.7	201	242	114	33.4	2810	848.37	9.30	9.40	850.3	849	35.4	35.9	523	46.0	1.8	.95	1.03	1.00	9.56	8.50	D
431	2341	862.00	30.8	186	244	110	35.4	2830	851.80	9.20	9.30	853.5	835	35.7	35.4	477	47.0	1.9	.99	1.11	1.07	9.52	8.50	D
432	2343	863.02	22.0	157	218	109	33.7	2820	852.66	9.20	9.30	853.1	852	35.7	35.9	439	48.0	1.9	1.01	1.18	1.15	9.51	8.50	D
433	2345	864.05	32.3	152	197	106	31.0	2820	854.22	9.20	9.30	852.0	851	35.7	35.9	433	49.0	2.0	1.03	1.03	.99	9.72	8.50	D
434	2348	865.03	22.9	155	200	107	31.8	2830	856.53	9.20	9.30	852.9	852	35.7	36.4	435	50.0	2.0	1.06	1.12	1.09	9.69	8.50	D
435	2350	866.01	21.8	172	224	107	33.2	2820	858.17	9.20	9.30	854.0	852	35.7	36.4	437	51.0	2.1	1.09	1.15	1.12	9.67	8.50	D
436	2353	867.02	19.7	134	165	108	31.9	2830	860.16	9.20	9.30	853.0	852	35.9	36.4	440	52.0	2.1	1.12	1.17	1.13	9.65	8.50	D
437	2357	868.00	18.6	118	149	108	30.7	2820	861.44	9.20	9.30	851.7	851	36.0	36.7	442	53.0	2.2	1.14	1.17	1.14	9.63	8.50	D

Date Mar 3 '89

ESSO AUST Conger No.1

Data Printed at time 03:28 Date Mar 14 '89
Data Recorded at time 00:00 Date Mar 3 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXM	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
438	0000	869.00	15.8	114	152	107	31.1	2810	861.82	9.20	9.30	853.3	852	36.2	37.1	448	54.0	2.2	1.18	1.22	1.18	9.62	8.50	D
439	0004	870.02	17.2	115	168	107	30.0	2810	863.11	9.20	9.30	852.8	852	36.4	37.2	451	55.0	2.3	1.21	1.19	1.15	9.62	8.50	D
440	0006	871.00	26.9	138	178	107	31.0	2820	864.22	9.20	9.30	853.4	852	36.5	37.3	453	56.0	2.3	1.23	1.09	1.04	9.62	8.50	D
441	0018	872.02	15.6	138	209	110	31.4	2780	867.47	9.20	9.30	839.4	833	36.8	36.9	441	57.0	2.4	1.29	1.24	1.20	9.59	8.50	D
442	0020	873.01	28.8	184	220	113	33.0	2780	868.00	9.20	9.30	847.7	846	36.8	37.3	446	58.0	2.5	1.31	1.10	1.06	9.60	8.50	D
443	0022	874.03	29.1	179	218	113	33.5	2790	868.51	9.20	9.30	848.3	847	36.8	37.3	450	59.0	2.5	1.33	1.10	1.06	9.60	8.50	D
444	0024	875.01	31.0	201	233	112	33.9	2790	869.02	9.20	9.30	847.5	847	36.7	37.6	453	60.0	2.5	1.35	1.09	1.04	9.61	8.50	D
445	0026	876.05	36.5	182	214	113	34.1	2790	869.44	9.20	9.30	847.4	847	36.7	37.4	456	61.0	2.6	1.36	1.05	1.00	9.61	8.50	D
446	0028	877.00	35.4	185	219	113	34.1	2780	869.97	9.20	9.30	848.6	847	36.8	37.4	458	62.0	2.6	1.38	1.06	1.01	9.62	8.50	D
447	0029	878.01	46.0	177	213	113	33.7	2790	870.62	9.20	9.30	848.1	847	36.8	37.5	459	63.0	2.6	1.39	.99	.94	9.62	8.50	D
448	0030	879.02	44.2	187	216	114	33.4	2780	871.10	9.20	9.30	849.0	846	36.8	37.6	466	64.0	2.6	1.40	.99	.95	9.62	8.50	D
449	0032	880.00	28.5	171	213	114	32.2	2790	871.43	9.20	9.30	850.0	848	36.8	37.6	474	65.0	2.7	1.42	1.10	1.05	9.61	8.50	D
450	0046	881.02	24.1	148	179	115	30.8	2810	871.81	9.20	9.30	857.5	853	36.8	37.5	438	66.0	2.8	1.47	1.13	1.08	9.64	8.50	D
451	0047	882.03	31.9	170	199	118	30.7	2800	872.72	9.20	9.30	854.0	853	36.8	37.7	443	66.9	2.8	1.49	1.06	1.01	9.64	8.50	D
452	0049	883.00	34.1	178	205	117	31.1	2810	873.54	9.20	9.30	855.4	854	36.8	37.9	446	68.0	2.8	1.51	1.04	.99	9.64	8.50	D
453	0051	884.05	33.5	177	207	117	31.9	2800	874.50	9.20	9.30	853.4	853	36.8	38.0	451	69.0	2.9	1.53	1.06	1.00	9.65	8.50	D
454	0053	885.03	31.8	185	212	118	32.6	2800	875.59	9.20	9.30	856.1	854	36.8	37.8	456	70.0	2.9	1.55	1.08	1.03	9.64	8.50	D
455	0054	886.00	56.0	202	219	117	32.5	2800	876.09	9.20	9.30	855.4	855	36.8	37.8	458	71.0	2.9	1.55	.93	.88	9.65	8.50	D
456	0055	887.02	63.6	200	221	118	31.8	2800	876.69	9.20	9.30	856.0	855	36.8	37.8	458	72.0	2.9	1.56	.89	.84	9.65	8.50	D
457	0056	888.02	67.3	190	217	118	31.0	2810	877.37	9.20	9.30	854.1	854	36.8	37.8	460	73.0	2.9	1.57	.87	.82	9.66	8.50	D
458	0057	889.03	38.4	180	206	118	31.1	2810	878.55	9.20	9.30	854.7	854	36.8	37.9	462	74.0	3.0	1.58	1.02	.96	9.65	8.50	D
459	0059	890.00	27.9	190	230	117	31.9	2840	880.30	9.20	9.30	854.5	854	36.8	38.0	465	75.0	3.0	1.60	1.10	1.05	9.65	8.50	D
460	0116	891.03	31.2	161	196	114	32.7	2810	881.25	9.20	9.30	853.8	851	36.8	37.6	448	76.0	3.1	1.65	1.08	1.02	9.65	8.5	
461	0118	892.01	28.0	158	196	117	33.4	2800	882.53	9.20	9.30	852.1	852	36.8	37.8	449	77.0	3.2	1.67	1.12	1.06	9.65	8.50	D
462	0121	893.00	21.3	151	185	116	32.9	2800	883.93	9.20	9.30	853.0	852	36.8	38.0	451	78.0	3.2	1.69	1.18	1.12	9.64	8.50	D
463	0124	894.00	17.8	126	161	114	31.7	2790	886.31	9.20	9.30	856.1	854	36.8	38.1	454	79.0	3.2	1.68	1.21	1.15	9.63	8.50	D
464	0126	895.00	24.1	129	189	115	30.6	2790	888.61	9.20	9.30	852.0	852	36.9	38.2	459	80.0	3.3	1.69	1.13	1.07	9.61	8.50	D
465	0129	896.01	27.0	156	194	116	32.0	2800	889.78	9.20	9.30	853.8	853	37.0	38.2	460	81.0	3.3	1.70	1.11	1.06	9.61	8.50	D
466	0130	897.03	39.2	150	176	116	30.5	2800	890.02	9.20	9.30	853.7	853	37.1	38.2	462	82.0	3.3	1.71	1.00	.95	9.62	8.50	D
467	0132	898.01	34.2	152	176	115	31.1	2790	890.02	9.20	9.30	854.4	853	37.1	38.2	465	83.0	3.4	1.71	1.04	.98	9.63	8.50	D
468	0134	899.01	29.3	170	195	115	32.5	2790	890.02	9.20	9.30	854.0	853	37.2	38.3	468	84.0	3.4	1.72	1.09	1.03	9.64	8.50	D
469	0143	900.01	21.4	184	214	112	31.5	2740	892.31	9.20	9.30	843.5	832	37.4	37.3	436	85.0	3.5	1.74	1.16	1.10	9.63	8.50	D
470	0145	901.02	28.3	179	214	120	27.4	2740	893.10	9.20	9.30	845.3	843	37.4	38.1	439	86.0	3.5	1.74	1.06	1.00	9.63	8.50	D
471	0148	902.03	25.4	166	202	117	27.7	2740	893.82	9.10	9.30	847.3	846	37.4	38.3	443	87.0	3.5	1.75	1.09	1.03	9.63	8.50	D
472	0149	903.04	33.0	180	231	116	28.4	2730	894.44	9.10	9.30	847.4	847	37.4	38.3	445	88.0	3.6	1.76	1.03	.97	9.63	8.50	D
473	0151	904.00	55.5	199	229	116	30.2	2730	894.71	9.10	9.30	847.6	847	37.4	38.3	445	89.0	3.6	1.76	.91	.86	9.63	8.50	D
474	0152	905.01	51.1	194	221	115	30.0	2740	895.28	9.10	9.30	845.8	845	37.4	38.3	446	90.0	3.6	1.77	.93	.87	9.63	8.50	D
475	0153	906.01	48.4	207	231	115	31.5	2730	895.89	9.10	9.30	846.2	846	37.4	38.3	448	91.0	3.6	1.77	.96	.90	9.63	8.50	D
476	0154	907.01	40.5	196	215	117	31.3	2740	896.72	9.10	9.30	844.1	844	37.4	38.3	450	92.0	3.6	1.78	1.01	.94	9.63	8.50	D
477	0156	908.01	34.3	187	216	117	30.3	2740	897.80	9.10	9.30	844.6	844	37.4	38.4	449	93.0	3.7	1.79	1.04	.98	9.62	8.50	D
478	0157	909.00	46.4	178	199	117	31.4	2730	898.48	9.10	9.30	846.0	845	37.5	38.4	448	93.9	3.7	1.79	.97	.91	9.61	8.50	D
479	0207	910.00	27.9	162	205	114	32.1	2840	899.86	9.10	9.30	860.0	846	37.9	37.3	443	95.0	3.8	1.81	1.11	1.05	9.58	8.50	D
480	0209	911.01	28.1	174	207	122	32.1	2840	900.80	9.10	9.30	861.2	859	37.9	38.3	442	96.0	3.8	1.82	1.12	1.06	9.57	8.50	D
481	0210	912.01	66.6	186	207	122	31.6	2790	901.07	9.10	9.30	861.7	860	38.0	38.4	442	97.0	3.8	1.82	.90	.83	9.57	8.50	D
482	0211	913.00	47.7	173	191	122	31.2	2790	901.67	9.10	9.30	852.3	855	38.0	38.5	442	98.0	3.8	1.83	.98	.92	9.58	8.50	D
483	0213	914.00	34.9	171	198	122	31.5	2790	902.30	9.10	9.30	853.7	853	38.1	38.5	442	99.0	3.9	1.83	1.06	1.00	9.57	8.50	D
484	0215	915.00	26.2	174	206	122	32.5	2790	904.14	9.10	9.30	854.7	853	38.2	38.5	443	100	3.9	1.84	1.15	1.08	9.56	8.50	D
485	0216	916.00	42.1	187	219	122	32.7	2800	905.39	9.10	9.30	853.4	853	38.3	38.5	442	101	3.9	1.85	1.03	.96	9.56	8.50	D

ESSO AUST Conger No.1

Data Printed at time 03:33 Date Mar 14 '89
Data Recorded at time 02:18 Date Mar 3 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS	BIT-	EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
486	0218	917.03	29.6	173	201	122	33.0	2790	906.78	9.10	9.30	851.7	851	38.4	38.6	441	102	4.0	1.86	1.12	1.06	9.55	8.50	D
487	0221	918.01	21.3	167	196	122	33.6	2790	908.44	9.10	9.30	853.7	852	38.5	38.6	439	103	4.0	1.87	1.21	1.15	9.55	8.50	D
488	0230	919.00	25.7	158	203	115	32.5	2730	909.35	9.10	9.30	839.5	778	38.8	38.1	436	104	4.1	1.88	1.06	1.00	9.54	8.50	D†
489	0232	920.01	33.8	188	213	114	33.5	2730	910.16	9.10	9.30	843.9	836	38.8	38.3	397	105	4.1	1.89	1.07	1.01	9.55	8.50	D
490	0233	921.02	38.4	188	211	114	33.6	2730	910.83	9.10	9.30	842.8	841	38.8	38.5	395	106	4.1	1.90	1.04	.98	9.55	8.50	D
491	0235	922.01	34.2	181	203	115	32.6	2720	912.47	9.10	9.30	840.3	839	38.8	38.6	394	107	4.2	1.90	1.06	1.00	9.54	8.50	D
492	0237	923.00	32.1	175	193	115	33.0	2720	913.74	9.10	9.30	841.6	841	38.8	38.9	396	108	4.2	1.91	1.09	1.02	9.54	8.50	D
493	0239	924.01	30.8	182	211	114	33.7	2720	914.52	9.10	9.30	842.3	842	38.8	39.0	397	109	4.2	1.92	1.10	1.04	9.54	8.50	D
494	0240	925.02	41.5	194	215	114	33.9	2720	915.21	9.10	9.30	842.7	842	38.9	39.0	394	110	4.2	1.92	1.02	.96	9.55	8.50	D
495	0242	926.00	34.6	185	203	114	34.3	2730	916.40	9.10	9.30	841.5	841	38.9	39.0	392	111	4.3	1.93	1.08	1.01	9.54	8.50	D
496	0244	927.01	29.3	184	210	114	34.6	2720	917.31	9.10	9.30	840.4	840	39.0	39.2	387	112	4.3	1.94	1.12	1.06	9.54	8.50	D
497	0245	928.02	39.8	160	197	115	32.9	2720	917.84	9.10	9.30	841.4	840	39.0	39.3	391	113	4.3	1.94	1.03	.96	9.55	8.50	D
498	0253	929.00	32.1	163	194	116	32.6	2720	918.85	9.10	9.30	839.6	816	39.2	38.9	386	114	4.4	1.95	1.01	.95	9.55	8.50	D
499	0255	930.02	25.7	170	191	117	33.4	2720	919.28	9.10	9.30	838.3	836	39.2	39.1	385	115	4.4	1.96	1.15	1.08	9.56	8.50	D
500	0257	931.00	30.4	164	184	118	32.4	2710	920.55	9.10	9.20	842.6	841	39.3	39.4	386	116	4.5	1.97	1.10	1.03	9.55	8.50	D
501	0259	932.03	37.7	142	177	118	30.4	2730	921.43	9.10	9.20	840.9	840	39.3	39.4	384	117	4.5	1.98	1.02	.96	9.55	8.50	D
502	0300	933.01	28.4	138	170	118	30.8	2720	922.44	9.10	9.20	840.3	840	39.4	39.5	387	118	4.5	1.99	1.10	1.03	9.55	8.50	D
503	0303	934.00	24.5	152	176	117	32.7	2710	923.64	9.10	9.20	840.8	839	39.5	39.5	381	119	4.6	2.00	1.16	1.09	9.55	8.50	D
504	0304	935.00	47.9	174	198	117	33.4	2710	924.54	9.10	9.20	840.2	840	39.5	39.6	384	120	4.6	2.00	.99	.92	9.55	8.50	D
505	0305	936.01	41.2	184	218	117	33.5	2730	925.31	9.10	9.20	841.6	840	39.5	39.6	383	121	4.6	2.01	1.03	.96	9.55	8.50	D
506	0307	937.02	42.1	175	216	117	33.4	2720	926.09	9.10	9.20	841.8	840	39.6	39.6	380	122	4.6	2.01	1.02	.95	9.56	8.50	D
507	0318	938.01	25.7	144	178	111	31.5	2780	928.81	9.00	9.20	851.7	842	39.7	39.1	361	123	4.7	2.03	1.12	1.05	9.54	8.50	D†
508	0319	939.00	51.9	163	188	121	29.9	2780	929.50	9.00	9.20	853.0	850	39.6	39.2	340	124	4.7	2.03	.95	.88	9.54	8.50	D
509	0320	940.00	51.3	152	175	122	29.7	2780	929.90	9.00	9.20	853.2	851	39.6	39.3	339	125	4.8	2.04	.95	.88	9.54	8.50	D
510	0321	941.01	51.0	147	168	122	29.7	2780	930.46	9.00	9.20	853.5	852	39.6	39.6	339	126	4.8	2.04	.95	.88	9.54	8.50	D
511	0323	942.01	32.9	147	172	122	30.8	2780	931.40	9.00	9.20	854.7	853	39.5	39.7	343	127	4.8	2.05	1.07	1.00	9.53	8.50	D
512	0325	943.01	40.2	154	176	122	30.3	2780	932.30	9.00	9.20	852.2	852	39.5	39.8	340	128	4.8	2.06	1.02	.95	9.52	8.50	D
513	0327	944.00	20.2	150	178	122	31.4	2780	933.71	9.00	9.20	852.6	852	39.4	39.8	347	129	4.9	2.07	1.21	1.14	9.51	8.50	D
514	0329	945.01	33.8	156	179	122	31.2	2780	934.81	9.00	9.20	854.2	853	39.3	39.7	359	130	4.9	2.08	1.08	1.00	9.50	8.50	D
515	0331	946.01	47.9	149	171	122	30.0	2770	935.75	9.00	9.20	855.1	854	39.2	39.7	366	131	4.9	2.08	.97	.90	9.49	8.50	D
516	0332	947.01	37.3	142	180	122	29.8	2780	936.91	9.00	9.20	853.1	853	39.0	39.6	376	132	5.0	2.09	1.04	.97	9.49	8.50	D
517	0344	948.01	31.0	168	219	112	30.9	2840	939.22	9.00	9.10	853.1	843	37.6	39.0	447	133	5.1	2.10	1.08	1.01	9.44	8.50	D
518	0346	949.01	31.6	179	213	111	31.6	2760	940.82	9.00	9.10	856.9	855	37.6	39.1	449	134	5.1	2.11	1.08	1.01	9.43	8.50	D
519	0348	950.01	40.5	183	198	111	31.4	2780	941.70	9.00	9.10	848.8	849	37.7	39.1	433	135	5.1	2.11	1.01	.94	9.43	8.50	D
520	0349	951.01	64.7	181	205	111	30.9	2790	942.19	9.00	9.10	849.1	848	37.8	39.2	411	136	5.1	2.12	.89	.82	9.44	8.50	D
521	0350	952.03	58.4	173	196	111	30.3	2790	942.87	9.00	9.10	848.9	848	37.8	39.3	412	137	5.1	2.12	.91	.84	9.44	8.50	D
522	0351	953.00	41.0	155	177	112	29.4	2790	943.46	9.00	9.10	849.9	849	37.9	39.3	409	138	5.2	2.13	.99	.92	9.44	8.50	D
523	0353	954.01	34.6	154	183	108	29.5	2790	944.01	9.00	9.10	849.8	848	38.0	39.3	410	139	5.2	2.13	1.03	.96	9.45	8.50	D
524	0355	955.05	24.5	168	198	111	31.3	2780	945.43	9.00	9.10	850.5	848	38.2	39.2	410	140	5.2	2.14	1.14	1.07	9.45	8.50	D
525	0357	956.00	31.8	173	200	114	31.8	2780	946.70	9.00	9.10	848.2	848	38.3	39.2	411	141	5.3	2.15	1.09	1.01	9.44	8.50	D
526	0406	957.00	46.8	183	227	114	32.2	2750	947.10	9.00	9.10	842.3	807	38.8	39.1	409	142	5.3	2.15	.94	.87	9.44	8.50	D†
527	0407	958.00	49.8	184	206	114	32.0	2760	947.00	9.00	9.10	842.4	833	38.8	39.0	411	143	5.3	2.16	.97	.90	9.46	8.50	D
528	0408	959.01	42.1	173	198	113	32.1	2760	947.20	9.00	9.10	844.3	841	38.9	38.8	409	144	5.4	2.16	1.01	.94	9.47	8.50	D
529	0410	960.02	33.3	176	207	113	32.5	2750	948.28	9.00	9.10	844.1	843	38.9	39.0	412	145	5.4	2.17	1.07	1.00	9.47	8.50	D
530	0412	961.00	31.4	172	193	115	32.7	2760	949.11	9.00	9.10	843.2	843	39.0	38.9	411	146	5.4	2.17	1.10	1.02	9.47	8.50	D
531	0413	962.01	39.6	176	199	115	32.1	2750	950.10	9.00	9.10	842.7	842	39.0	38.8	411	147	5.4	2.18	1.03	.96	9.47	8.50	D
532	0414	963.01	72.1	180	200	113	31.2	2750	951.04	9.00	9.10	842.1	841	39.0	38.7	410	148	5.5	2.18	.87	.79	9.47	8.50	D
533	0415	964.01	72.1	171	193	113	30.5	2750	951.85	9.00	9.10	842.5	841	39.0	38.7	410	149	5.5	2.19	.86	.78	9.47	8.50	D

ESSO AUST Conger No.1

Data Printed at time 03:38 Date Mar 14 '89
Data Recorded at time 04:16 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXML	
534	0416	965.00	60.7	159	181	113	29.8	2760	952.53	9.00	9.10	841.8	841	39.1	38.8	410	150	5.5	2.19	.90	.82	9.47	8.50	D
535	0425	966.00	37.1	149	196	116	29.9	2750	955.36	9.00	9.10	837.3	784	39.1	38.8	412	151	5.6	2.20	.97	.90	9.45	8.50	D↑
536	0426	967.02	48.6	176	196	118	31.8	2770	955.99	9.00	9.10	841.4	828	39.1	38.6	387	152	5.6	2.20	.98	.91	9.46	8.50	D
537	0428	968.01	41.0	175	197	119	32.0	2770	956.43	9.00	9.10	844.3	840	39.1	38.6	368	153	5.6	2.21	1.03	.95	9.46	8.50	D
538	0429	969.01	47.9	181	204	117	32.6	2770	956.43	9.00	9.10	843.3	842	39.1	38.6	368	154	5.6	2.21	.99	.91	9.47	8.50	D
539	0430	970.02	59.7	158	190	119	29.8	2760	956.43	9.00	9.10	843.5	843	39.1	38.6	367	155	5.6	2.22	.91	.84	9.48	8.50	D
540	0432	971.00	27.5	133	168	118	31.1	2760	957.22	9.00	9.00	841.9	842	39.0	38.6	366	156	5.7	2.22	1.12	1.04	9.49	8.50	D
541	0435	972.00	23.8	139	162	115	34.9	2790	959.10	9.00	9.00	844.6	843	39.0	38.8	366	157	5.7	2.23	1.19	1.11	9.48	8.50	D
542	0436	973.00	39.3	156	180	115	36.1	2760	959.94	9.00	9.00	844.6	843	39.0	39.0	365	158	5.7	2.24	1.07	.99	9.48	8.50	D
543	0437	974.00	52.7	155	183	115	36.2	2760	960.67	9.00	9.00	843.4	843	39.0	39.0	365	159	5.8	2.24	.99	.91	9.48	8.50	D
544	0439	975.01	36.1	152	177	114	36.3	2770	961.50	9.00	9.00	844.4	843	39.0	39.1	364	160	5.8	2.25	1.09	1.01	9.48	8.50	D
545	0449	976.00	32.1	149	184	103	31.9	2780	965.90	9.00	9.00	845.7	817	39.0	39.0	362	161	5.9	2.26	1.06	.98	9.44	8.50	D
546	0450	977.00	61.5	161	184	112	28.3	2780	965.90	9.00	9.00	847.4	838	39.0	38.9	361	162	5.9	2.26	.88	.80	9.45	8.50	D
547	0451	978.02	58.4	156	179	112	27.8	2770	965.90	9.00	9.00	844.0	842	39.0	38.6	364	163	5.9	2.27	.89	.81	9.46	8.50	D
548	0453	979.03	33.1	134	167	112	26.8	2770	966.75	9.00	9.00	845.2	844	39.0	38.6	366	164	5.9	2.27	1.02	.95	9.47	8.50	D
549	0455	980.01	27.3	118	144	113	25.4	2780	968.31	9.00	9.00	844.6	844	39.0	38.7	362	165	6.0	2.28	1.05	.98	9.46	8.50	D
550	0457	981.02	31.5	136	158	112	26.9	2770	969.93	9.00	9.00	847.4	846	39.0	38.9	363	166	6.0	2.28	1.03	.96	9.46	8.50	D
551	0458	982.03	36.9	152	174	111	28.2	2780	970.79	9.00	9.00	846.0	845	39.0	38.9	363	167	6.0	2.29	1.00	.93	9.46	8.50	D
552	0500	983.01	51.4	157	174	112	28.4	2780	971.11	9.00	9.00	847.1	846	39.0	38.9	362	168	6.0	2.29	.93	.85	9.46	8.50	D
553	0501	984.02	49.7	153	185	112	28.2	2780	971.51	9.00	9.00	847.0	846	39.0	38.9	362	169	6.0	2.29	.93	.86	9.47	8.50	D
554	0502	985.02	46.4	140	176	112	28.0	2790	972.18	9.00	9.00	846.9	846	39.0	38.8	364	170	6.1	2.30	.95	.87	9.47	8.50	D
555	0515	986.04	35.3	154	213	112	30.2	2790	974.84	9.00	9.00	842.6	782	38.4	38.6	386	171	6.1	2.30	.96	.89	9.46	8.50	D
556	0516	987.01	49.7	194	213	112	34.2	2790	975.36	9.00	9.00	844.5	829	38.3	38.5	388	172	6.1	2.31	.98	.90	9.46	8.5(	
557	0518	988.00	38.8	194	225	112	34.5	2780	975.43	9.00	9.00	842.8	840	38.3	38.0	393	173	6.2	2.31	1.05	.97	9.47	8.50	D
558	0519	989.01	48.6	200	226	111	34.8	2790	975.43	9.00	9.00	844.9	843	38.2	38.2	393	174	6.2	2.32	.99	.91	9.48	8.50	D
559	0521	990.01	42.1	200	229	112	35.1	2790	975.44	9.00	9.00	844.8	844	38.2	38.3	392	175	6.2	2.32	1.03	.95	9.49	8.50	D
560	0521	991.00	59.0	203	224	111	35.0	2780	975.86	9.00	9.00	844.5	844	38.2	38.3	394	176	6.2	2.33	.94	.86	9.49	8.50	D
561	0522	992.00	69.5	197	211	112	34.4	2790	976.73	9.00	9.00	844.9	844	38.1	38.3	397	177	6.2	2.33	.89	.81	9.50	8.50	D
562	0523	993.02	77.1	190	216	111	33.6	2780	977.61	9.00	9.00	847.1	845	38.1	38.4	396	178	6.2	2.33	.86	.78	9.50	8.50	D
563	0524	994.00	70.0	181	202	112	33.1	2790	978.24	9.00	9.00	845.0	845	38.1	38.3	396	179	6.3	2.33	.88	.80	9.50	8.50	D
564	0531	995.01	48.6	151	221	101	33.3	2820	980.04	9.00	9.00	840.1	747	38.0	38.4	406	180	6.3	2.34	.94	.86	9.49	8.50	D
565	0532	996.00	60.2	196	220	100	34.3	2800	980.56	9.00	9.00	846.6	817	38.0	38.6	408	181	6.3	2.34	.90	.82	9.50	8.50	D
566	0533	997.00	55.6	192	226	100	34.2	2810	981.10	9.00	9.00	845.9	838	37.9	38.5	410	182	6.3	2.34	.92	.84	9.50	8.50	D
567	0534	998.00	48.9	188	225	101	34.2	2820	981.94	9.00	9.00	844.0	842	37.9	38.0	411	183	6.4	2.35	.96	.88	9.50	8.50	D
568	0536	999.01	43.7	187	214	101	34.6	2820	983.08	9.00	9.00	845.6	844	37.9	38.2	415	184	6.4	2.35	.99	.91	9.50	8.50	D
569	0537	1000.0	64.1	189	215	101	34.7	2810	983.85	9.00	9.00	845.5	844	37.9	38.0	415	185	6.4	2.35	.89	.81	9.50	8.50	D
570	0538	1001.0	56.5	181	202	102	34.0	2810	984.77	9.00	9.00	845.1	844	37.9	38.0	417	186	6.4	2.36	.92	.84	9.50	8.50	D
571	0539	1002.0	64.1	170	193	102	33.6	2800	985.30	9.00	9.00	844.6	844	37.8	38.2	420	187	6.4	2.36	.88	.81	9.51	8.50	D
572	0540	1003.0	36.8	161	193	102	34.2	2810	985.56	9.00	9.00	846.7	845	37.8	38.4	423	188	6.4	2.36	1.03	.95	9.51	8.50	D
573	0542	1004.0	39.5	170	198	102	34.7	2810	985.87	9.00	9.00	846.9	845	37.8	38.5	424	189	6.5	2.37	1.02	.94	9.52	8.50	D
574	0552	1005.0	35.7	143	198	121	34.4	2860	991.75	9.00	9.00	844.7	813	37.2	38.6	479	190	6.6	2.38	.96	.89	9.48	8.50	D↑
575	0553	1006.0	58.1	186	206	119	36.8	2830	993.18	9.00	9.00	844.7	836	37.2	38.3	479	191	6.6	2.38	.98	.89	9.47	8.50	D
576	0555	1007.0	51.9	190	212	120	37.0	2820	994.28	9.00	9.00	845.5	842	37.2	37.9	480	192	6.6	2.39	1.01	.93	9.47	8.50	D
577	0555	1008.0	70.9	193	216	120	36.8	2820	994.69	9.00	9.00	845.2	844	37.2	37.9	479	193	6.6	2.39	.93	.84	9.47	8.50	D
578	0556	1009.0	79.4	187	214	121	36.4	2820	994.75	9.00	9.00	844.0	843	37.2	37.9	481	194	6.6	2.39	.89	.81	9.48	8.50	D
579	0557	1010.0	47.5	182	208	121	36.6	2830	994.75	9.00	9.00	845.1	844	37.2	38.0	479	195	6.6	2.40	1.03	.95	9.49	8.50	D
580	0558	1011.0	61.0	190	214	120	36.9	2830	995.42	9.00	9.00	846.0	845	37.2	37.9	480	196	6.7	2.40	.97	.88	9.50	8.50	D
581	0559	1012.0	74.5	194	212	120	36.7	2830	996.09	9.00	9.00	845.1	844	37.3	37.9	481	197	6.7	2.41	.91	.82	9.50	8.50	D

ESSO AUST Conger No.1

Data Printed at time 03:42 Date Mar 14 '89
Data Recorded at time 06:00 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT m	THIS BIT hr	EST TW	DXC	NXB	ECD	NXMD	
582	0600	1013.0	68.6	191	218	121	36.2	2820	996.80	9.00	9.00	843.9	843	37.3	37.9	481	198	6.7	2.41	.93	.84	9.50	8.50	D
583	0601	1014.0	63.5	157	200	119	35.4	2830	997.65	9.00	9.00	843.3	843	37.3	37.9	482	199	6.7	2.41	.94	.86	9.50	8.50	D
584	0609	1015.0	54.0	182	207	117	33.2	2850	1002.3	9.00	9.00	846.0	819	37.6	38.1	480	200	6.8	2.42	.97	.88	9.47	8.50	D
585	0610	1016.0	79.3	208	226	117	35.3	2850	1002.7	9.00	9.00	847.7	835	37.6	37.9	481	201	6.8	2.42	.88	.79	9.47	8.50	D
586	0611	1017.0	92.7	213	237	116	35.8	2850	1003.1	9.00	9.00	847.6	841	37.6	37.5	482	202	6.8	2.43	.84	.75	9.48	8.50	D
587	0612	1018.0	62.7	201	222	117	35.3	2850	1003.8	9.00	9.00	848.1	845	37.7	37.4	481	203	6.8	2.43	.94	.86	9.48	8.50	D
588	0612	1019.0	67.9	212	230	116	36.3	2850	1004.4	9.00	9.00	848.4	847	37.7	37.5	483	204	6.8	2.43	.93	.84	9.49	8.50	D
589	0613	1020.0	72.1	216	236	117	36.3	2860	1004.7	9.00	9.00	847.5	847	37.7	37.5	482	205	6.8	2.44	.91	.82	9.49	8.50	D
590	0614	1021.0	78.6	208	223	117	35.5	2860	1004.8	9.00	9.00	846.1	846	37.7	37.5	482	206	6.8	2.44	.88	.79	9.50	8.50	D
591	0615	1022.0	71.9	197	218	119	35.0	2860	1004.8	9.00	9.00	847.3	846	37.7	37.6	481	207	6.8	2.44	.90	.82	9.51	8.50	D
592	0616	1023.0	73.0	188	212	119	34.1	2860	1004.8	9.00	9.00	848.5	847	37.8	37.7	482	208	6.9	2.44	.89	.81	9.52	8.50	D
593	0625	1024.0	46.9	165	232	115	33.8	2840	1007.6	9.00	9.00	842.2	792	37.9	37.8	482	209	6.9	2.45	1.00	.92	9.46	8.50	D↑
594	0626	1025.0	68.0	218	232	114	32.7	2840	1008.8	9.00	9.00	844.4	825	37.9	38.1	484	210	6.9	2.46	.89	.81	9.46	8.50	D
595	0627	1026.0	75.1	212	237	114	31.9	2840	1009.5	9.00	9.00	844.7	837	37.9	38.0	484	211	7.0	2.46	.86	.78	9.46	8.50	D
596	0628	1027.0	78.2	200	222	116	31.3	2840	1010.1	9.00	9.00	844.1	841	37.9	37.6	483	212	7.0	2.46	.85	.77	9.46	8.50	D
597	0629	1028.0	66.4	195	226	116	30.7	2840	1011.0	9.00	9.00	843.5	842	37.9	37.6	484	213	7.0	2.47	.89	.80	9.46	8.50	D
598	0629	1029.0	68.7	194	218	116	30.4	2850	1011.9	9.00	9.00	843.7	842	37.9	37.4	484	214	7.0	2.47	.88	.79	9.46	8.50	D
599	0630	1030.0	63.5	199	217	117	29.9	2850	1013.1	9.00	9.00	844.1	843	37.9	37.4	484	215	7.0	2.47	.89	.81	9.46	8.50	D
600	0631	1031.0	64.9	192	216	117	29.6	2840	1014.0	9.00	9.00	843.1	842	37.9	37.5	483	216	7.0	2.47	.89	.80	9.46	8.50	D
601	0632	1032.0	69.9	179	212	117	28.9	2840	1014.1	9.00	9.00	845.3	844	37.9	37.6	485	217	7.0	2.48	.86	.78	9.47	8.50	D
602	0639	1033.0	37.7	168	200	118	28.6	2830	1014.3	9.10	9.00	838.7	769	37.9	37.6	482	218	7.1	2.48	1.01	.93	9.48	8.50	D↑
603	0640	1034.0	60.8	173	196	119	30.0	2830	1015.3	9.10	9.00	839.7	817	37.9	37.9	484	219	7.1	2.49	.91	.83	9.48	8.50	D
604	0641	1035.0	69.7	166	198	119	29.9	2830	1016.5	9.10	9.00	840.0	832	37.9	37.9	484	220	7.1	2.49	.87	.79	9.48	8.50	D
605	0642	1036.0	57.7	162	180	119	29.9	2830	1017.7	9.10	9.00	841.7	838	37.9	37.6	484	221	7.1	2.49	.92	.84	9.49	8.50	D
606	0643	1037.0	60.0	154	180	119	29.8	2830	1018.8	9.10	9.00	842.1	840	37.9	37.6	484	222	7.2	2.50	.91	.83	9.49	8.50	D
607	0644	1038.0	48.9	155	174	119	29.9	2830	1020.3	9.10	9.00	840.1	840	37.9	37.4	482	223	7.2	2.50	.96	.88	9.49	8.50	D
608	0646	1039.0	51.2	156	189	119	29.8	2830	1021.8	9.10	9.00	839.1	839	37.9	37.4	482	224	7.2	2.51	.95	.87	9.49	8.50	D
609	0647	1040.0	54.9	154	179	119	29.4	2830	1022.8	9.10	9.00	840.7	839	37.9	37.5	482	225	7.2	2.51	.93	.85	9.49	8.50	D
610	0648	1041.0	59.8	151	172	119	29.1	2830	1023.8	9.10	9.00	839.3	839	37.9	37.5	483	226	7.2	2.51	.90	.82	9.49	8.50	D
611	0649	1042.0	48.4	147	175	119	28.8	2830	1023.9	9.10	9.00	841.7	840	37.9	37.7	483	227	7.2	2.52	.96	.87	9.50	8.50	D
612	0657	1043.0	45.6	162	214	116	29.9	2840	1024.3	9.10	9.00	838.5	781	37.4	37.5	500	228	7.3	2.52	.97	.89	9.53	8.50	D↑
613	0658	1044.0	62.7	201	235	116	30.6	2850	1025.3	9.10	9.00	841.3	822	37.4	37.8	500	229	7.3	2.53	.89	.81	9.54	8.50	D
614	0659	1045.0	51.9	215	243	115	30.7	2840	1026.8	9.10	9.00	841.4	836	37.4	37.7	499	230	7.3	2.53	.94	.86	9.54	8.50	D
615	0701	1046.0	56.0	187	221	116	30.6	2840	1028.0	9.10	9.00	839.9	838	37.4	37.6	475	231	7.3	2.53	.92	.84	9.54	8.50	D
616	0701	1047.0	61.7	178	208	117	29.9	2840	1029.0	9.10	9.00	842.6	840	37.5	37.4	462	232	7.4	2.54	.90	.81	9.54	8.50	D
617	0702	1048.0	58.0	167	191	114	29.6	2840	1030.1	9.10	9.00	841.9	841	37.5	37.4	464	233	7.4	2.54	.90	.82	9.54	8.50	D
618	0704	1049.0	45.9	168	199	115	29.2	2850	1031.5	9.10	9.00	840.2	840	37.5	37.4	463	234	7.4	2.54	.96	.88	9.54	8.50	D
619	0705	1050.0	59.1	171	201	114	29.1	2850	1032.6	9.10	9.00	842.2	841	37.5	37.5	465	235	7.4	2.55	.89	.81	9.54	8.50	D
620	0706	1051.0	59.4	167	198	115	28.5	2840	1032.9	9.10	9.00	839.3	839	37.5	37.6	464	236	7.4	2.55	.89	.80	9.56	8.50	D
621	0707	1052.0	54.4	163	193	113	28.1	2850	1032.9	9.10	9.00	838.7	838	37.5	37.7	463	237	7.4	2.55	.90	.82	9.57	8.50	D
622	0715	1053.0	37.9	174	217	113	29.2	2840	1037.0	9.10	9.00	838.9	795	37.6	37.7	465	238	7.5	2.56	.95	.87	9.55	8.50	D
623	0716	1054.0	58.4	191	212	105	29.2	2850	1037.9	9.10	9.00	840.9	827	37.6	37.8	464	239	7.5	2.56	.87	.79	9.55	8.50	D
624	0717	1055.0	71.2	186	212	105	28.8	2850	1038.7	9.10	9.00	842.9	837	37.6	37.8	464	240	7.5	2.56	.82	.74	9.55	8.50	D
625	0718	1056.0	51.6	180	206	105	28.3	2850	1039.7	9.10	9.00	842.8	840	37.6	37.5	463	241	7.5	2.57	.90	.82	9.55	8.50	D
626	0719	1057.0	66.9	179	198	105	28.2	2850	1040.7	9.10	9.00	840.2	840	37.6	37.5	462	242	7.6	2.57	.83	.75	9.55	8.50	D
627	0720	1058.0	61.8	175	196	106	27.8	2860	1041.5	9.10	9.00	841.5	841	37.6	37.4	463	243	7.6	2.57	.85	.77	9.55	8.50	D
628	0721	1059.0	59.5	168	194	105	27.7	2850	1042.1	9.10	9.00	840.4	840	37.7	37.6	463	244	7.6	2.57	.86	.78	9.56	8.50	D
629	0722	1060.0	53.0	164	190	106	27.7	2850	1042.5	9.10	9.00	840.4	840	37.7	37.6	462	245	7.6	2.58	.89	.81	9.56	8.50	D

ESSO AUST Conger No.1

Data Printed at time 03:47 Date Mar 14 '89
Data Recorded at time 07:24 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD
630	0724	1061.0	44.7	162	193	115	28.1	2850	1042.5	9.10	9.00	841.5	840	37.7	37.7	463	246	7.6	2.58	.95	.87	9.57	8.50 D
631	0734	1062.0	46.4	140	192	112	27.6	2820	1048.0	9.10	9.00	835.1	831	37.7	37.8	463	247	7.7	2.59	.93	.85	9.53	8.50 D
632	0735	1063.0	49.9	174	197	115	28.0	2820	1048.9	9.10	9.00	835.3	833	37.8	37.9	463	248	7.7	2.59	.93	.85	9.53	8.50 D
633	0736	1064.0	57.1	168	192	116	27.8	2830	1049.9	9.10	9.00	835.9	834	37.8	37.7	460	249	7.7	2.60	.90	.81	9.53	8.50 D
634	0737	1065.0	64.6	178	222	115	27.5	2820	1050.7	9.10	9.00	833.5	834	37.8	37.5	461	250	7.7	2.60	.86	.78	9.53	8.50 D
635	0738	1066.0	52.6	169	194	116	27.6	2830	1051.8	9.10	9.00	834.5	833	37.8	37.6	461	251	7.8	2.60	.91	.83	9.53	8.50 D
636	0739	1067.0	50.4	163	196	116	27.9	2830	1052.3	9.10	9.00	834.9	834	37.8	37.7	462	252	7.8	2.60	.93	.84	9.53	8.50 D
637	0741	1068.0	36.3	161	189	116	28.7	2830	1052.3	9.10	9.00	833.3	833	37.8	37.7	461	253	7.8	2.61	1.01	.93	9.54	8.50 D
638	0742	1069.0	42.9	166	195	116	29.5	2830	1052.3	9.10	9.00	833.0	832	37.8	37.7	462	254	7.8	2.61	.98	.89	9.55	8.50 D
639	0743	1070.0	59.5	174	207	115	29.2	2830	1052.6	9.10	9.00	834.6	833	37.8	37.7	464	255	7.8	2.62	.89	.81	9.56	8.50 D
640	0744	1071.0	52.9	163	195	116	28.9	2840	1053.4	9.10	9.00	832.7	832	37.9	37.7	465	256	7.9	2.62	.92	.84	9.56	8.50 D
641	0752	1072.0	37.0	101	193	107	28.3	2870	1057.6	9.10	9.00	838.3	812	37.9	38.0	463	257	7.9	2.63	.99	.90	9.54	8.50 D↑
642	0753	1073.0	46.5	195	228	119	30.3	2870	1058.8	9.10	9.00	838.1	833	37.9	38.0	462	258	7.9	2.63	.98	.89	9.53	8.50 D
643	0755	1074.0	49.8	202	239	118	30.0	2870	1060.0	9.10	9.00	840.1	837	37.9	37.9	462	259	7.9	2.63	.95	.87	9.53	8.50 D
644	0755	1075.0	56.6	208	229	119	30.0	2880	1060.7	9.10	9.00	840.9	839	37.9	37.6	463	260	8.0	2.64	.92	.84	9.53	8.50 D
645	0756	1076.0	60.6	188	226	119	29.4	2880	1061.4	9.10	9.00	839.1	839	37.9	37.5	462	261	8.0	2.64	.90	.81	9.53	8.50 D
646	0757	1077.0	63.1	183	205	120	29.4	2880	1061.7	9.10	9.00	838.2	838	37.9	37.6	462	262	8.0	2.64	.89	.80	9.54	8.50 D
647	0759	1078.0	47.9	188	211	120	29.7	2890	1061.8	9.10	9.00	838.2	837	37.9	37.7	461	263	8.0	2.65	.96	.87	9.54	8.50 D
648	0800	1079.0	45.9	191	215	120	30.2	2890	1061.8	9.10	9.00	838.0	837	37.9	37.8	461	264	8.0	2.65	.98	.89	9.55	8.50 D
649	0801	1080.0	46.2	188	236	119	30.4	2890	1061.8	9.10	9.00	839.9	838	37.9	37.8	461	265	8.0	2.66	.97	.89	9.56	8.50 D
650	0802	1081.0	64.7	206	225	119	30.3	2900	1061.8	9.10	9.00	839.7	839	37.9	37.8	462	266	8.1	2.66	.89	.80	9.57	8.50 D
651	0809	1083.0	62.5	161	221	121	31.1	2880	1064.6	9.10	9.00	833.9	749	38.0	37.8	463	268	8.1	2.66	.88	.80	9.56	8.50 D▲
652	0813	1085.0	55.6	190	219	125	31.9	2890	1067.9	9.10	9.10	840.2	840	38.0	38.1	462	270	8.2	2.68	.95	.86	9.62	8.50
653	0814	1086.0	48.9	185	210	126	32.0	2890	1068.6	9.10	9.10	839.0	839	38.0	37.7	463	271	8.2	2.68	.99	.90	9.56	8.50 D-
654	0815	1087.0	63.4	186	206	126	31.9	2890	1069.4	9.10	9.10	840.3	839	38.0	37.7	464	272	8.2	2.68	.92	.83	9.56	8.50 D
655	0816	1088.0	53.6	172	208	126	31.4	2890	1070.3	9.10	9.10	841.2	840	38.0	37.7	463	273	8.2	2.69	.96	.87	9.56	8.50 D
656	0817	1089.0	41.1	151	187	127	29.5	2890	1071.6	9.10	9.10	840.0	839	38.0	37.8	464	274	8.2	2.69	1.01	.92	9.56	8.50 D
657	0819	1090.0	51.2	149	169	127	28.9	2890	1072.0	9.20	9.10	841.6	840	38.0	37.9	464	275	8.3	2.70	.95	.86	9.56	8.50 D
658	0820	1091.0	55.1	151	178	127	29.6	2900	1072.0	9.20	9.10	840.8	840	38.0	37.9	464	276	8.3	2.70	.94	.85	9.57	8.50 D
659	0821	1092.0	56.8	152	180	126	30.4	2890	1072.0	9.20	9.10	840.5	840	38.0	37.8	466	277	8.3	2.70	.94	.84	9.58	8.50 D
660	0831	1093.0	50.5	169	223	120	30.7	2870	1078.5	9.20	9.10	835.4	833	38.1	38.1	465	278	8.4	2.72	.96	.87	9.55	8.50 D-
661	0832	1094.0	50.5	191	209	122	31.0	2910	1079.2	9.20	9.10	836.3	834	38.0	38.2	464	279	8.4	2.72	.96	.87	9.56	8.50 D
662	0833	1095.0	64.1	194	217	122	31.0	2880	1079.9	9.20	9.10	834.9	834	38.1	37.9	463	280	8.4	2.72	.90	.81	9.57	8.50 D
663	0834	1096.0	57.9	191	218	121	30.7	2880	1080.9	9.20	9.10	835.9	835	38.1	37.7	464	281	8.4	2.73	.92	.83	9.57	8.50 D
664	0835	1097.0	52.9	180	218	122	30.5	2880	1081.8	9.20	9.10	836.3	836	38.1	37.8	464	282	8.4	2.73	.95	.85	9.58	8.50 D
665	0836	1098.0	54.3	176	204	122	30.6	2880	1081.9	9.20	9.10	835.4	835	38.1	37.9	465	283	8.4	2.73	.94	.85	9.59	8.50 D
666	0838	1099.0	42.6	178	203	122	30.9	2880	1083.7	9.20	9.10	835.7	835	38.1	37.9	466	284	8.5	2.74	1.00	.91	9.60	8.50 D
667	0839	1100.0	47.0	181	212	122	31.2	2890	1092.0	9.20	9.10	836.2	835	38.1	37.9	465	285	8.5	2.74	.99	.89	9.54	8.50 D
668	0846	1101.0	45.5	163	237	117	31.5	2940	1093.6	9.20	9.10	826.9	683	38.1	37.9	462	286	8.5	2.75	.99	.89	9.53	8.50 D↑
669	0847	1102.0	49.1	176	210	113	32.1	2940	1087.1	9.20	9.10	843.3	806	38.1	38.2	463	287	8.5	2.75	.96	.87	9.61	8.50 D
670	0848	1103.0	59.5	177	203	115	32.0	2930	1087.9	9.20	9.10	842.1	830	38.1	38.2	466	288	8.5	2.75	.91	.82	9.61	8.50 D
671	0849	1104.0	54.7	173	197	115	31.8	2930	1088.8	9.20	9.10	843.6	839	38.1	38.2	465	289	8.6	2.76	.93	.84	9.62	8.50 D
672	0851	1105.0	47.5	174	197	115	32.6	2940	1089.7	9.20	9.10	842.1	841	38.1	38.0	464	290	8.6	2.76	.97	.88	9.62	8.50 D
673	0852	1106.0	42.6	178	209	114	33.1	2930	1090.9	9.20	9.10	842.0	841	38.1	37.8	464	291	8.6	2.76	1.00	.91	9.63	8.50 D
674	0854	1107.0	38.2	169	196	115	32.8	2930	1091.8	9.20	9.10	843.1	842	38.1	37.9	456	292	8.6	2.77	1.03	.94	9.63	8.50 D
675	0855	1108.0	36.8	140	175	115	29.9	2930	1091.2	9.20	9.10	841.2	841	38.1	38.0	416	293	8.7	2.78	1.01	.92	9.64	8.50 D
676	0856	1109.0	42.1	136	162	116	28.6	2930	1091.3	9.20	9.10	840.7	840	38.1	38.0	417	294	8.7	2.78	.97	.88	9.65	8.50 D
677	0858	1110.0	36.0	148	179	115	30.1	2930	1091.3	9.20	9.10	840.2	840	38.1	38.0	418	295	8.7	2.78	1.02	.93	9.66	8.50

ESSO AUST Conger No.1

Data Printed at time 03:52 Date Mar 14 '89
Data Recorded at time 08:59 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD
678	0859	1111.0	47.7	158	198	115	31.0	2930	1091.3	9.30	9.10	844.6	842	38.1	38.0	418	296	8.7	2.79	.95	.86	9.67	8.50 D
679	0907	1112.0	39.6	158	195	117	30.2	2910	1096.2	9.30	9.20	837.4	781	38.1	38.0	417	297	8.8	2.79	.95	.86	9.65	8.50 D
680	0908	1113.0	63.4	164	201	119	29.6	2920	1097.0	9.30	9.20	838.5	820	38.1	38.3	416	298	8.8	2.80	.88	.79	9.65	8.50 D
681	0909	1114.0	54.4	167	193	119	29.4	2910	1097.9	9.30	9.20	839.4	833	38.1	38.3	414	299	8.8	2.80	.92	.82	9.66	8.50 D
682	0910	1115.0	51.2	144	184	119	27.7	2910	1098.8	9.30	9.20	838.9	836	38.1	38.1	416	300	8.8	2.80	.92	.83	9.66	8.50 D
683	0911	1116.0	54.8	145	172	119	27.7	2920	1099.5	9.30	9.20	839.1	838	38.1	38.3	415	301	8.9	2.80	.90	.81	9.66	8.50 D
684	0912	1117.0	54.9	151	178	119	28.0	2920	1100.3	9.30	9.20	838.2	838	38.1	38.0	412	302	8.9	2.81	.90	.81	9.67	8.50 D
685	0914	1118.0	52.7	162	201	119	28.2	2920	1100.8	9.30	9.20	838.0	837	38.1	38.0	414	303	8.9	2.81	.91	.82	9.68	8.50 D
686	0915	1119.0	53.7	157	214	119	28.2	2920	1100.8	9.30	9.20	839.0	838	38.1	38.0	413	304	8.9	2.82	.91	.82	9.69	8.50 D
687	0916	1120.0	40.1	157	193	119	30.7	2920	1101.1	9.30	9.20	837.2	837	38.1	37.9	415	305	8.9	2.82	1.00	.91	9.70	8.50 D
688	0917	1121.0	49.6	162	193	119	32.1	2920	1101.9	9.30	9.20	837.9	837	38.1	37.9	418	306	9.0	2.82	.96	.86	9.71	8.50 D
689	0926	1122.0	44.5	163	201	119	31.2	2980	1106.4	9.30	9.20	844.3	808	38.2	38.0	416	307	9.0	2.83	.94	.85	9.70	8.50 D
690	0928	1123.0	58.4	181	205	117	30.5	2980	1107.3	9.30	9.20	848.1	840	38.1	38.5	416	308	9.0	2.84	.90	.81	9.71	8.50 D
691	0929	1124.0	50.3	167	198	118	29.3	2970	1108.1	9.30	9.20	847.4	845	38.1	38.2	418	309	9.1	2.84	.93	.84	9.71	8.50 D
692	0930	1125.0	54.4	166	191	118	29.0	2970	1108.9	9.30	9.20	847.8	846	38.1	38.1	418	310	9.1	2.84	.90	.81	9.71	8.50 D
693	0931	1126.0	43.1	154	189	118	28.6	2980	1109.7	9.30	9.20	847.4	847	38.2	37.9	416	311	9.1	2.85	.96	.87	9.72	8.50 D
694	0933	1127.0	45.9	159	186	119	28.8	2980	1110.6	9.30	9.20	847.2	847	38.2	37.8	416	312	9.1	2.85	.95	.85	9.73	8.50 D
695	0934	1128.0	52.6	161	183	119	28.4	2980	1111.3	9.30	9.20	846.9	846	38.2	38.1	418	313	9.1	2.85	.91	.82	9.73	8.50 D
696	0935	1129.0	41.8	154	184	120	28.5	2980	1111.3	9.30	9.20	846.4	846	38.2	38.1	417	314	9.2	2.86	.97	.87	9.75	8.50 D
697	0944	1130.0	39.7	151	190	112	28.1	2920	1114.9	9.30	9.20	831.2	805	38.2	38.4	415	315	9.2	2.87	.96	.87	9.73	8.50 D†
698	0945	1131.0	48.3	166	194	119	24.6	3000	1116.0	9.30	9.20	841.8	832	38.2	38.5	414	316	9.2	2.87	.89	.81	9.73	8.50 D
699	0946	1132.0	73.8	207	238	119	29.7	3000	1116.8	9.30	9.20	848.4	842	38.2	38.2	417	317	9.3	2.87	.84	.74	9.73	8.50 D
700	0947	1133.0	58.4	201	233	119	31.2	2990	1117.7	9.30	9.20	848.7	846	38.2	38.6	417	318	9.3	2.88	.91	.81	9.73	8.50 D
701	0948	1134.0	59.6	195	223	119	30.7	3000	1118.6	9.30	9.20	847.6	847	38.2	38.2	416	319	9.3	2.88	.90	.80	9.73	8.50 D
702	0949	1135.0	66.8	189	226	119	30.1	2990	1119.2	9.30	9.20	846.6	846	38.2	38.0	418	320	9.3	2.88	.86	.77	9.73	8.50 D
703	0950	1136.0	47.8	187	210	119	29.8	3000	1120.2	9.30	9.20	848.5	847	38.2	37.9	417	321	9.3	2.89	.94	.85	9.73	8.50 D
704	0951	1137.0	55.5	187	215	120	29.3	3000	1120.9	9.30	9.20	847.8	847	38.2	38.0	419	322	9.3	2.89	.90	.81	9.73	8.50 D
705	0952	1138.0	64.7	182	208	120	28.8	3000	1121.4	9.30	9.20	850.8	849	38.3	38.1	419	323	9.4	2.89	.86	.77	9.74	8.50 D
706	0953	1139.0	56.4	175	202	120	28.2	3000	1121.6	9.30	9.20	849.1	848	38.3	38.1	417	324	9.4	2.90	.89	.80	9.74	8.50 D
707	0954	1140.0	42.4	166	191	119	28.1	2990	1121.0	9.30	9.20	848.8	848	38.3	38.1	418	325	9.4	2.90	.96	.86	9.76	8.50 D
708	1001	1141.0	37.6	194	226	121	35.2	2960	1123.1	9.30	9.20	843.2	819	38.3	38.2	416	326	9.4	2.91	1.06	.96	9.75	8.50 D
709	1002	1142.0	56.4	212	238	122	35.7	2970	1124.1	9.30	9.20	843.6	836	38.3	38.5	417	327	9.5	2.91	.96	.86	9.75	8.50 D
710	1003	1143.0	54.2	211	248	121	35.4	2970	1125.0	9.30	9.20	841.2	839	38.3	38.6	420	328	9.5	2.91	.96	.86	9.75	8.50 D
711	1004	1144.0	80.8	202	232	122	34.7	2960	1125.5	9.30	9.20	840.4	839	38.3	38.3	419	329	9.5	2.92	.86	.76	9.75	8.50 D
712	1005	1145.0	69.2	194	227	122	34.1	2960	1126.1	9.30	9.20	841.7	840	38.3	38.4	419	330	9.5	2.92	.89	.79	9.76	8.50 D
713	1006	1146.0	67.7	182	218	123	33.5	2970	1126.8	9.30	9.20	842.6	842	38.3	38.1	419	331	9.5	2.92	.89	.79	9.76	8.50 D
714	1007	1147.0	57.3	184	210	123	33.6	2970	1127.8	9.30	9.20	842.0	841	38.3	38.1	419	332	9.5	2.93	.94	.84	9.76	8.50 D
715	1008	1149.0	64.2	186	217	122	33.5	2960	1128.5	9.30	9.20	840.0	840	38.4	38.2	422	333	9.6	2.93	.91	.81	9.76	8.50 D
716	1009	1149.0	55.1	180	219	123	33.1	2970	1129.0	9.30	9.20	840.7	840	38.3	38.2	423	334	9.6	2.93	.94	.84	9.76	8.50 D
717	1020	1150.0	35.6	159	212	114	33.3	2960	1131.5	9.30	9.30	837.1	830	38.0	38.6	439	335	9.6	2.95	1.04	.94	9.75	8.50 D†
718	1021	1151.0	63.3	193	217	120	32.9	2960	1132.5	9.30	9.30	836.4	834	38.0	38.8	441	336	9.7	2.95	.90	.80	9.75	8.50 D
719	1021	1152.0	62.4	186	206	120	32.6	2970	1133.4	9.30	9.30	837.4	836	38.0	38.8	442	337	9.7	2.95	.90	.80	9.75	8.50 D
720	1022	1153.0	66.1	181	202	120	32.0	2960	1134.4	9.30	9.30	837.6	837	37.9	38.6	444	338	9.7	2.95	.88	.78	9.75	8.50 D
721	1023	1154.0	60.5	174	205	119	31.8	2960	1135.2	9.30	9.30	837.8	837	37.9	38.4	447	339	9.7	2.96	.90	.80	9.75	8.50 D
722	1024	1155.0	50.4	168	191	120	31.8	2970	1136.0	9.30	9.30	837.1	836	37.9	38.2	447	340	9.7	2.96	.95	.85	9.76	8.50 D
723	1026	1156.0	43.2	172	204	118	32.3	2970	1137.3	9.30	9.30	837.7	836	37.9	38.3	449	341	9.8	2.96	.99	.89	9.75	8.50 D
724	1027	1157.0	63.5	181	212	116	32.3	2970	1138.2	9.30	9.30	838.3	837	37.8	38.3	450	342	9.8	2.97	.89	.79	9.75	8.50 D
725	1028	1158.0	34.8	174	211	117	32.7	2970	1139.7	9.30	9.30	835.5	836	37.8	38.2	451	343	9.8	2.97	1.04	.94	9.75	8.50 D

ESSO AUST Conger No.1

Data Printed at time 03:56 Date Mar 14 '89
Data Recorded at time 10:30 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD
1726	1030	1159.0	42.9	183	209	117	33.4	2960	1140.1	9.30	9.30	838.9	837	37.8	38.2	452	344	9.8	2.98	1.00	.90	9.75	8.50
1727	1038	1160.0	42.0	190	226	113	34.4	2920	1141.7	9.30	9.30	830.0	811	37.9	38.5	453	345	9.9	2.98	1.00	.90	9.75	8.50
1728	1040	1161.0	53.0	196	222	116	34.2	2920	1143.7	9.30	9.30	829.5	827	38.0	38.4	455	346	9.9	2.99	.95	.85	9.74	8.50
1729	1041	1162.0	49.1	193	229	116	34.3	2920	1145.2	9.30	9.30	828.8	827	38.0	38.3	453	347	9.9	2.99	.97	.87	9.74	8.50
1730	1042	1163.0	65.0	202	234	116	33.8	2920	1146.1	9.30	9.30	828.6	828	38.0	38.1	456	348	9.9	3.00	.89	.79	9.74	8.50
1731	1043	1164.0	68.7	188	211	116	32.9	2930	1146.8	9.30	9.30	831.2	829	38.0	38.0	453	349	9.9	3.00	.87	.77	9.74	8.50
1732	1044	1165.0	54.6	181	217	116	32.2	2930	1147.9	9.30	9.30	830.1	829	38.0	38.1	454	350	10.0	3.00	.92	.83	9.74	8.50
1733	1045	1166.0	67.0	187	216	116	32.2	2940	1148.7	9.30	9.30	831.8	830	38.1	38.2	452	351	10.0	3.01	.87	.77	9.74	8.50
1734	1046	1167.0	54.9	176	214	116	31.7	2930	1149.4	9.30	9.30	830.3	829	38.1	38.2	455	352	10.0	3.01	.92	.82	9.74	8.50
1735	1047	1168.0	41.0	156	203	117	31.8	2940	1149.5	9.30	9.30	831.5	830	38.1	38.3	454	353	10.0	3.01	.97	.88	9.75	8.50
1736	1057	1169.0	42.6	170	204	115	28.5	2970	1152.0	9.30	9.30	834.9	827	38.3	38.9	455	354	10.1	3.02	.95	.86	9.74	8.50
1737	1058	1170.0	74.2	180	204	124	27.6	2970	1152.9	9.30	9.30	837.7	833	38.3	39.0	442	355	10.1	3.02	.83	.73	9.74	8.50
1738	1059	1171.0	67.8	175	197	124	26.9	2970	1153.8	9.30	9.30	837.7	835	38.3	38.8	422	356	10.1	3.02	.84	.75	9.74	8.50
1739	1100	1172.0	62.8	168	193	124	26.5	2980	1154.7	9.30	9.30	836.3	836	38.3	38.7	419	357	10.1	3.03	.86	.76	9.74	8.50
1740	1101	1173.0	62.6	167	194	124	26.2	2990	1155.4	9.30	9.30	838.7	837	38.3	38.3	416	358	10.1	3.03	.86	.76	9.74	8.50
1741	1102	1174.0	57.6	170	201	125	26.1	2970	1156.3	9.30	9.30	839.5	838	38.3	38.3	416	359	10.1	3.03	.88	.78	9.74	8.50
1742	1103	1175.0	51.1	171	203	124	25.9	2990	1157.2	9.30	9.30	838.8	838	38.3	38.4	418	360	10.2	3.04	.90	.81	9.74	8.50
1743	1104	1176.0	62.4	179	213	124	25.7	2980	1157.8	9.30	9.30	836.7	837	38.3	38.4	414	361	10.2	3.04	.85	.76	9.75	8.50
1744	1105	1177.0	63.5	181	208	125	25.2	2970	1158.4	9.30	9.30	836.8	836	38.3	38.3	415	362	10.2	3.04	.84	.75	9.75	8.50
1745	1115	1178.0	35.0	140	193	118	23.9	2980	1161.1	9.30	9.30	835.7	786	38.2	38.3	426	363	10.2	3.05	.93	.84	9.74	8.50
1746	1117	1179.0	46.4	172	203	113	30.0	2990	1162.3	9.30	9.30	837.2	826	38.2	38.5	430	364	10.3	3.05	.94	.84	9.73	8.50
1747	1118	1180.0	62.0	180	202	113	30.5	2990	1163.3	9.30	9.30	839.4	834	38.2	38.8	433	365	10.3	3.05	.87	.77	9.73	8.50
1748	1119	1181.0	60.9	176	206	115	30.2	2980	1164.3	9.30	9.30	837.4	836	38.1	38.5	434	366	10.3	3.06	.88	.78	9.73	8.50
1749	1120	1182.0	58.8	173	197	123	29.5	2990	1165.4	9.30	9.30	837.8	836	38.1	38.5	437	367	10.3	3.06	.90	.80	9.73	8.50
1750	1120	1183.0	64.3	171	195	123	28.9	2990	1166.3	9.30	9.30	838.3	837	38.0	38.4	439	368	10.3	3.06	.87	.77	9.73	8.50
1751	1121	1184.0	58.5	167	191	123	28.3	2990	1167.2	9.30	9.30	837.6	837	38.0	38.4	438	369	10.3	3.06	.89	.79	9.73	8.50
1752	1122	1185.0	62.0	167	194	123	27.5	2990	1167.9	9.30	9.30	838.5	837	38.0	38.6	440	370	10.4	3.07	.87	.77	9.73	8.50
1753	1123	1186.0	64.1	194	225	123	29.1	3000	1168.1	9.30	9.30	838.7	837	38.0	38.6	439	371	10.4	3.07	.87	.77	9.74	8.50
1754	1124	1187.0	64.2	195	238	122	28.2	2990	1168.1	9.30	9.30	839.7	839	38.0	38.6	442	372	10.4	3.07	.86	.76	9.75	8.50
1755	1132	1188.0	48.1	158	206	120	26.3	2930	1168.8	9.30	9.30	830.2	798	38.2	38.4	441	373	10.4	3.08	.91	.81	9.75	8.50
1756	1133	1189.0	58.4	180	202	118	26.3	2940	1169.7	9.30	9.30	830.3	820	38.2	38.9	441	374	10.4	3.08	.86	.76	9.75	8.50
1757	1134	1190.0	58.1	169	197	118	25.5	2940	1170.8	9.30	9.30	830.7	827	38.3	39.0	442	375	10.5	3.08	.85	.76	9.75	8.50
1758	1135	1191.0	71.9	160	198	119	24.3	2950	1171.7	9.30	9.30	828.1	827	38.3	38.7	441	376	10.5	3.09	.80	.70	9.75	8.50
1759	1136	1192.0	50.9	169	201	118	24.8	2950	1172.9	9.30	9.30	827.5	826	38.3	38.6	442	377	10.5	3.09	.88	.78	9.75	8.50
1760	1137	1193.0	54.5	169	196	117	24.4	2950	1173.9	9.30	9.30	829.5	828	38.3	38.3	440	378	10.5	3.09	.86	.76	9.75	8.50
1761	1138	1194.0	72.1	185	210	118	25.1	2950	1174.7	9.30	9.30	831.4	830	38.4	38.6	441	379	10.5	3.09	.80	.70	9.75	8.50
1762	1139	1195.0	77.4	206	221	115	26.7	2960	1175.4	9.30	9.30	830.4	830	38.4	38.6	439	380	10.5	3.10	.79	.69	9.75	8.50
1763	1140	1196.0	69.7	208	233	117	26.4	2960	1176.2	9.30	9.30	831.0	830	38.4	38.7	441	381	10.6	3.10	.82	.72	9.76	8.50
1764	1141	1197.0	62.4	201	235	118	27.0	2950	1177.0	9.30	9.30	832.2	831	38.4	38.6	442	382	10.6	3.10	.85	.75	9.76	8.50
1765	1153	1198.0	52.5	181	220	115	29.3	2940	1179.5	9.30	9.30	831.4	829	38.7	38.8	442	383	10.7	3.11	.91	.81	9.74	8.50
1766	1154	1199.0	75.6	205	228	114	30.9	2940	1180.4	9.30	9.30	831.0	829	38.7	38.8	439	384	10.7	3.12	.83	.73	9.75	8.50
1767	1155	1200.0	72.6	181	212	114	28.9	2940	1181.0	9.30	9.30	828.7	829	38.7	39.2	443	385	10.7	3.12	.82	.72	9.75	8.50
1768	1156	1201.0	73.6	192	216	117	29.9	2940	1181.8	9.30	9.30	828.9	828	38.7	38.6	438	386	10.7	3.12	.83	.73	9.76	8.50
1769	1156	1202.0	75.2	205	230	116	30.8	2940	1182.6	9.30	9.30	829.2	828	38.7	38.6	440	387	10.7	3.12	.83	.73	9.76	8.50
1770	1157	1203.0	73.2	205	227	118	30.7	2940	1183.5	9.30	9.30	829.7	829	38.7	38.6	442	388	10.8	3.12	.82	.72	9.76	8.50
1771	1158	1204.0	51.3	191	233	113	29.9	2930	1184.5	9.30	9.30	829.8	829	38.8	38.8	439	389	10.8	3.13	.91	.81	9.76	8.50
1772	1159	1205.0	59.3	200	222	115	29.6	2940	1185.5	9.30	9.30	830.0	829	38.8	38.7	440	390	10.8	3.13	.88	.78	9.76	8.50
1773	1200	1206.0	79.8	205	234	114	29.5	2940	1186.3	9.30	9.30	827.4	828	38.8	38.8	439	391	10.8	3.13	.80	.70	9.76	8.50

ESSO AUST Conger No.1

Data Printed at time 04:01 Date Mar 14 '89
Data Recorded at time 12:10 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT m	THIS BIT hr	EST TW	DXC	NXB	ECD	NXMD
1774	1210	1207.0	54.4	186	225	115	28.3	2890	1188.7	9.30	9.30	818.7	783	39.0	39.1	440	392	10.9	3.14	.89	.79	9.75	8.50 D
1775	1211	1208.0	64.4	187	221	119	27.3	2880	1189.7	9.30	9.30	820.6	808	39.0	39.1	440	393	10.9	3.14	.85	.75	9.75	8.50 D
1776	1212	1209.0	54.9	201	232	117	28.7	2890	1190.8	9.30	9.30	823.0	818	39.0	39.2	439	394	10.9	3.15	.89	.79	9.75	8.50 D
1777	1212	1210.0	86.9	196	229	114	28.1	2890	1191.4	9.30	9.30	822.9	820	39.0	39.2	437	395	10.9	3.15	.77	.67	9.75	8.50 D
1778	1213	1211.0	77.1	206	237	111	29.5	2910	1192.1	9.30	9.30	821.0	820	39.0	39.1	440	396	10.9	3.15	.80	.70	9.76	8.50 D
1779	1214	1212.0	79.5	216	232	114	31.5	2890	1192.7	9.30	9.30	822.2	820	39.0	39.0	439	397	10.9	3.15	.82	.72	9.76	8.50 D
1780	1215	1213.0	74.6	217	234	115	31.6	2900	1193.5	9.30	9.30	822.5	821	39.0	39.0	438	398	11.0	3.15	.84	.74	9.76	8.50 D
1781	1216	1214.0	76.8	197	235	115	32.2	2900	1194.5	9.30	9.30	822.1	821	39.1	39.0	440	399	11.0	3.15	.84	.73	9.76	8.50 D
1782	1216	1215.0	67.3	187	212	115	31.1	2900	1195.5	9.30	9.30	830.2	828	39.1	39.0	438	400	11.0	3.16	.86	.76	9.76	8.50 D
1783	1217	1216.0	58.7	194	228	116	31.3	2900	1196.6	9.30	9.30	822.2	823	39.1	39.0	439	401	11.0	3.16	.90	.79	9.76	8.50 D
1784	1225	1217.0	43.8	181	232	117	28.7	2880	1197.2	9.30	9.30	813.3	753	39.2	38.8	440	402	11.1	3.17	.95	.85	9.76	8.50 D
1785	1226	1218.0	66.9	198	224	119	28.5	2880	1197.2	9.30	9.30	815.8	793	39.2	38.8	441	403	11.1	3.17	.85	.75	9.77	8.50 D
1786	1227	1219.0	78.8	207	239	119	29.5	2880	1197.2	9.30	9.30	817.6	808	39.2	38.9	441	404	11.1	3.17	.81	.71	9.78	8.50 D
1787	1228	1220.0	68.5	200	226	119	29.3	2890	1197.2	9.30	9.30	816.0	813	39.2	39.2	440	405	11.1	3.17	.85	.74	9.79	8.50 D
1788	1229	1221.0	67.9	186	209	119	27.8	2890	1197.3	9.30	9.30	817.0	815	39.2	39.4	440	406	11.1	3.18	.84	.74	9.79	8.50 D
1789	1230	1222.0	62.8	186	216	119	28.2	2880	1197.8	9.30	9.30	817.5	816	39.2	39.3	440	407	11.1	3.18	.86	.76	9.80	8.50 D
1790	1231	1223.0	62.2	191	221	119	28.3	2880	1198.9	9.30	9.30	818.7	817	39.2	39.4	441	408	11.1	3.18	.86	.76	9.80	8.50 D
1791	1232	1224.0	72.1	207	231	119	29.5	2880	1199.9	9.30	9.30	818.9	818	39.2	39.1	441	409	11.2	3.18	.83	.73	9.80	8.50 D
1792	1232	1225.0	68.1	213	247	119	30.8	2890	1200.9	9.30	9.30	818.5	818	39.2	39.2	441	410	11.2	3.19	.86	.76	9.80	8.50 D
1793	1241	1226.0	67.0	185	226	117	30.3	2840	1206.5	9.30	9.30	808.3	751	39.3	39.1	440	411	11.2	3.19	.86	.75	9.76	8.50 D
1794	1242	1227.0	54.0	179	214	119	26.8	2840	1206.6	9.30	9.30	811.2	795	39.3	39.2	441	412	11.2	3.20	.88	.78	9.77	8.50 D
1795	1243	1228.0	62.1	201	224	119	27.7	2840	1206.6	9.30	9.30	813.7	807	39.3	39.2	442	413	11.3	3.20	.86	.76	9.77	8.50 D
1796	1244	1229.0	61.1	201	219	119	27.6	2860	1206.6	9.30	9.30	814.3	811	39.3	39.4	442	414	11.3	3.20	.86	.76	9.78	8.50 D
1797	1245	1230.0	61.1	206	224	119	27.8	2850	1206.6	9.30	9.30	811.9	811	39.3	39.4	441	415	11.3	3.20	.86	.76	9.79	8.50 D
1798	1246	1231.0	66.0	205	240	119	27.7	2850	1206.6	9.30	9.30	811.0	811	39.3	39.2	441	416	11.3	3.21	.84	.74	9.80	8.50 D
1799	1247	1232.0	53.4	195	228	119	27.1	2850	1206.8	9.30	9.30	810.8	810	39.3	38.9	442	417	11.3	3.21	.89	.79	9.80	8.50 D
1800	1248	1233.0	57.2	199	235	119	27.2	2860	1207.9	9.30	9.30	811.1	810	39.4	39.0	442	418	11.3	3.21	.87	.77	9.81	8.50 D
1801	1249	1234.0	67.0	210	232	119	28.1	2860	1208.7	9.30	9.30	812.6	811	39.4	39.0	442	419	11.3	3.21	.84	.74	9.80	8.50 D
1802	1250	1235.0	65.6	201	232	119	28.2	2860	1209.6	9.30	9.30	810.7	810	39.4	39.1	439	420	11.4	3.22	.85	.74	9.81	8.50 D
1803	1259	1236.0	41.0	169	222	119	27.9	2950	1216.1	9.30	9.30	827.8	796	39.4	39.3	441	421	11.4	3.23	.96	.86	9.76	8.50 D†
1804	1301	1237.0	33.9	159	201	119	27.7	2960	1216.1	9.30	9.30	826.5	822	39.4	39.9	440	422	11.5	3.23	1.01	.90	9.77	8.50 D
1805	1302	1238.0	53.2	187	220	119	29.3	2970	1216.4	9.30	9.30	828.4	826	39.4	39.6	440	423	11.5	3.23	.91	.81	9.77	8.50 D
1806	1303	1239.0	66.6	192	222	119	29.1	2960	1217.1	9.30	9.30	827.2	826	39.4	39.5	440	424	11.5	3.24	.85	.75	9.78	8.50 D
1807	1304	1240.0	61.3	195	225	119	29.6	2970	1217.9	9.30	9.30	825.9	825	39.4	39.5	441	425	11.5	3.24	.88	.77	9.78	8.50 D
1808	1305	1241.0	53.6	185	219	119	29.3	2960	1219.4	9.30	9.30	828.4	827	39.5	39.2	441	426	11.5	3.24	.91	.80	9.78	8.50 D
1809	1306	1242.0	65.3	190	216	119	29.4	2960	1220.3	9.30	9.30	827.5	827	39.5	39.2	439	427	11.5	3.24	.86	.76	9.78	8.50 D
1810	1307	1243.0	68.7	193	226	119	29.3	2960	1221.2	9.30	9.30	828.7	827	39.5	39.2	428	428	11.6	3.25	.85	.74	9.78	8.50 D
1811	1308	1244.0	52.1	191	223	119	29.2	2960	1222.5	9.30	9.30	827.1	827	39.5	39.4	430	429	11.6	3.25	.91	.81	9.77	8.50 D
1812	1309	1245.0	52.3	194	213	119	29.4	2960	1223.8	9.30	9.30	827.5	826	39.5	39.4	430	430	11.6	3.25	.91	.81	9.77	8.50 D
1813	1317	1246.0	45.3	177	223	119	25.0	2890	1225.8	9.30	9.30	815.2	753	39.6	39.2	429	431	11.6	3.26	.91	.81	9.76	8.50 D
1814	1318	1247.0	55.5	197	234	118	24.5	2890	1225.8	9.30	9.30	814.5	797	39.6	39.5	427	432	11.7	3.26	.85	.76	9.77	8.50 D
1815	1319	1248.0	58.1	202	236	116	25.0	2890	1226.3	9.30	9.30	817.3	811	39.6	39.9	428	433	11.7	3.27	.84	.74	9.77	8.50 D
1816	1321	1249.0	40.7	194	225	115	25.0	2900	1227.7	9.30	9.30	815.2	814	39.6	39.8	426	434	11.7	3.27	.92	.83	9.77	8.50 D
1817	1322	1250.0	55.4	205	235	115	25.6	2900	1228.8	9.30	9.30	814.6	814	39.6	39.7	427	435	11.7	3.27	.86	.76	9.77	8.50 D
1818	1323	1251.0	54.2	206	232	116	25.9	2920	1229.9	9.30	9.30	816.3	815	39.6	39.5	426	436	11.7	3.27	.87	.77	9.77	8.50 D
1819	1324	1252.0	50.4	189	229	118	25.2	2920	1231.0	9.30	9.30	814.3	814	39.6	39.3	423	437	11.8	3.28	.88	.78	9.77	8.50 D
1820	1325	1253.0	48.4	195	231	115	25.3	2950	1232.3	9.30	9.30	815.0	814	39.7	39.7	425	438	11.8	3.28	.89	.79	9.77	8.50 D
1821	1327	1254.0	44.4	191	235	117	25.2	2920	1233.5	9.30	9.30	815.0	814	39.8	39.7	423	439	11.8	3.28	.91	.81	9.76	8.50 D

ESSO AUST Conger No.1

Data Printed at time 04:06 Date Mar 14 '89
Data Recorded at time 13:35 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) - IN	TEMP (C) OUT	PVT	-THIS BIT- m	hr	EST TW	DXC	NXB	ECD	NXML	
822	1335	1255.0	46.2	188	231	115	27.1	2920	1235.5	9.30	9.30	811.1	722	40.0	39.5	417	440	11.9	3.29	.92	.82	9.75	8.50	D↑
823	1336	1256.0	55.0	177	212	115	27.6	2920	1235.5	9.30	9.30	817.9	793	40.0	39.5	417	441	11.9	3.29	.88	.78	9.76	8.50	D
824	1337	1257.0	60.5	206	241	115	29.6	2920	1235.8	9.30	9.30	818.4	810	40.0	39.8	418	442	11.9	3.29	.87	.77	9.77	8.50	D
825	1338	1258.0	62.4	216	243	115	30.3	2950	1236.2	9.30	9.30	817.6	815	40.0	40.3	415	443	11.9	3.30	.87	.76	9.77	8.50	D
826	1339	1259.0	57.1	205	236	115	29.9	2960	1236.7	9.30	9.30	818.5	817	40.0	40.1	416	444	11.9	3.30	.89	.78	9.78	8.50	D
827	1340	1260.0	56.6	202	227	117	30.0	2930	1237.2	9.30	9.30	817.0	816	40.0	40.1	412	445	11.9	3.30	.89	.79	9.78	8.50	D
828	1341	1261.0	59.0	209	229	115	30.8	2940	1238.1	9.30	9.30	817.0	816	40.1	39.7	413	446	12.0	3.31	.89	.78	9.78	8.50	D
829	1342	1262.0	68.5	216	244	115	31.0	2940	1239.0	9.30	9.30	817.8	816	40.1	39.7	414	447	12.0	3.31	.85	.75	9.78	8.50	D
830	1343	1263.0	54.9	210	238	117	31.1	2930	1240.1	9.30	9.30	818.8	817	40.1	39.6	413	448	12.0	3.31	.91	.80	9.78	8.50	D
831	1343	1264.0	73.9	209	253	113	31.6	2930	1241.0	9.30	9.30	818.6	818	40.1	39.6	415	449	12.0	3.31	.83	.73	9.78	8.50	D
832	1353	1265.0	35.3	160	197	119	24.7	2900	1245.1	9.30	9.30	815.5	794	40.3	40.1	410	450	12.1	3.32	.96	.86	9.76	8.50	D
833	1354	1266.0	37.7	184	220	119	26.7	2900	1245.1	9.30	9.30	817.7	812	40.3	40.5	412	451	12.1	3.32	.97	.87	9.76	8.50	D
834	1355	1267.0	55.7	193	222	119	27.1	2910	1245.3	9.30	9.30	817.6	815	40.3	40.3	411	452	12.1	3.33	.88	.78	9.77	8.50	D
835	1356	1268.0	52.6	197	228	119	28.0	2920	1246.2	9.30	9.30	816.4	816	40.3	40.4	408	453	12.1	3.33	.90	.80	9.77	8.50	D
836	1357	1269.0	51.3	198	224	119	28.4	2920	1247.1	9.30	9.30	816.4	815	40.3	40.1	410	454	12.1	3.33	.91	.80	9.77	8.50	D
837	1358	1270.0	53.4	192	239	119	28.7	2920	1248.3	9.30	9.30	818.2	817	40.3	39.8	407	455	12.2	3.34	.90	.80	9.77	8.50	D
838	1359	1271.0	54.9	194	233	119	28.3	2920	1249.0	9.30	9.30	817.9	817	40.3	40.1	409	456	12.2	3.34	.89	.79	9.77	8.50	D
839	1401	1272.0	56.5	199	234	119	28.8	2930	1249.9	9.30	9.30	816.6	816	40.4	40.0	410	457	12.2	3.34	.89	.78	9.77	8.50	D
840	1402	1273.0	48.1	195	230	119	28.5	2920	1251.0	9.30	9.30	817.9	816	40.4	40.3	409	458	12.2	3.35	.93	.82	9.77	8.50	D
841	1410	1274.0	44.5	198	235	119	28.0	2940	1254.5	9.30	9.30	809.7	714	40.5	40.1	405	459	12.3	3.35	.94	.84	9.75	8.50	D↑
842	1411	1275.0	58.3	219	254	119	28.9	2920	1254.5	9.30	9.30	817.1	790	40.5	39.9	407	460	12.3	3.36	.88	.78	9.76	8.50	D
843	1412	1276.0	61.7	207	236	119	28.9	2930	1254.5	9.30	9.30	815.8	808	40.5	40.3	409	461	12.3	3.36	.87	.76	9.77	8.50	D
844	1413	1277.0	58.5	206	235	119	28.9	2920	1254.5	9.30	9.30	818.2	814	40.5	40.8	406	462	12.3	3.36	.88	.78	9.77	8.50	
845	1414	1278.0	61.2	205	235	119	28.8	2920	1255.1	9.30	9.30	815.7	815	40.6	40.0	407	463	12.3	3.36	.87	.76	9.78	8.50	D
846	1415	1279.0	56.6	198	222	119	28.7	2920	1255.8	9.30	9.30	816.7	815	40.6	40.8	407	464	12.3	3.37	.89	.78	9.78	8.50	D
847	1416	1280.0	58.8	199	216	119	28.7	2920	1256.7	9.30	9.30	816.7	815	40.6	40.9	405	465	12.4	3.37	.88	.77	9.78	8.50	D
848	1417	1281.0	60.0	195	223	119	28.4	2930	1257.9	9.30	9.30	816.8	816	40.6	40.2	405	466	12.4	3.37	.87	.77	9.78	8.50	D
849	1418	1282.0	57.8	195	240	119	28.3	2920	1258.9	9.30	9.30	816.0	815	40.6	40.4	405	467	12.4	3.37	.88	.77	9.78	8.50	D
850	1419	1283.0	52.0	196	242	119	28.3	2930	1260.1	9.30	9.30	816.6	815	40.7	40.6	406	468	12.4	3.38	.91	.80	9.78	8.50	D
851	1432	1284.0	41.0	164	222	118	26.7	2960	1264.1	9.30	9.30	821.6	794	40.7	40.5	401	469	12.5	3.39	.95	.84	9.75	8.50	D↑
852	1434	1285.0	52.8	175	212	119	27.0	2950	1264.2	9.30	9.30	823.5	815	40.7	40.9	402	470	12.5	3.39	.89	.79	9.76	8.50	D
853	1435	1286.0	57.0	195	221	119	29.1	2950	1264.7	9.30	9.30	820.2	818	40.7	41.1	401	471	12.5	3.39	.89	.78	9.77	8.50	D
854	1436	1287.0	60.9	204	225	119	29.6	2950	1265.3	9.30	9.30	819.9	819	40.7	40.9	400	472	12.5	3.39	.88	.77	9.77	8.50	D
855	1436	1288.0	65.9	203	231	119	29.1	2960	1266.1	9.30	9.30	819.4	819	40.7	40.2	401	473	12.6	3.40	.86	.75	9.77	8.50	D
856	1437	1289.0	59.5	194	231	119	28.8	2950	1267.0	9.30	9.30	819.9	819	40.8	40.2	401	474	12.6	3.40	.88	.77	9.77	8.50	D
857	1439	1290.0	52.6	194	227	119	28.8	2950	1268.0	9.30	9.30	821.2	820	40.8	40.0	399	475	12.6	3.40	.91	.80	9.77	8.50	D
858	1439	1291.0	69.8	199	228	119	29.4	2960	1268.7	9.30	9.30	820.9	820	40.8	40.5	401	476	12.6	3.40	.84	.74	9.77	8.50	D
859	1440	1292.0	60.2	198	223	119	29.5	2950	1269.5	9.30	9.30	819.9	820	40.8	40.3	401	477	12.6	3.41	.88	.77	9.78	8.50	D
860	1449	1293.0	53.9	190	221	119	29.4	2940	1273.2	9.30	9.30	805.6	697	40.9	40.2	396	478	12.7	3.41	.91	.80	9.75	8.50	D↑
861	1450	1294.0	57.4	191	226	119	29.3	2940	1273.6	9.30	9.30	814.2	783	40.9	40.2	397	479	12.7	3.42	.89	.78	9.75	8.50	D
862	1451	1295.0	45.7	188	219	119	29.7	2930	1273.6	9.30	9.30	814.8	807	40.9	40.8	396	480	12.7	3.42	.95	.84	9.77	8.50	D
863	1453	1296.0	48.3	184	228	119	29.7	2930	1273.8	9.30	9.30	816.4	813	40.9	40.8	397	481	12.7	3.42	.94	.83	9.77	8.50	D
864	1454	1297.0	42.5	174	214	119	29.8	2940	1274.7	9.30	9.30	816.7	816	40.9	40.6	395	482	12.8	3.43	.97	.86	9.77	8.50	D
865	1455	1298.0	52.5	170	206	119	29.3	2930	1275.8	9.30	9.30	816.5	816	40.9	40.6	395	483	12.8	3.43	.91	.80	9.77	8.50	D
866	1457	1299.0	37.4	164	210	120	28.9	2940	1277.3	9.30	9.30	815.8	815	40.9	39.9	395	484	12.8	3.43	.99	.88	9.77	8.50	D
867	1458	1300.0	52.4	165	197	120	29.4	2930	1278.5	9.30	9.30	815.7	815	40.9	40.5	393	485	12.8	3.44	.92	.81	9.77	8.50	D
868	1459	1301.0	37.8	169	209	119	29.6	2940	1279.9	9.30	9.30	815.2	814	40.9	40.7	393	486	12.8	3.44	1.00	.89	9.76	8.50	D
869	1501	1302.0	41.6	168	210	119	29.8	2940	1281.2	9.30	9.30	817.4	816	40.9	40.7	391	487	12.9	3.45	.98	.86	9.76	8.50	

ESSO AUST Conger No.1

Data Printed at time 04:10 Date Mar 14 '89
Data Recorded at time 15:10 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT - IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
870	1510	1303.0	53.9	204	258	119	25.9	2930	1283.2	9.30	9.30	810.6	776	41.0	40.6	387	488	12.9	3.45	.88	.77	9.75	8.50	D
871	1511	1304.0	59.8	196	236	119	25.9	2920	1283.2	9.30	9.30	814.2	803	41.0	40.7	388	489	12.9	3.46	.85	.75	9.76	8.50	D
872	1512	1305.0	51.9	197	235	119	25.9	2930	1283.2	9.30	9.30	813.7	811	41.0	40.7	388	490	13.0	3.46	.89	.78	9.77	8.50	D
873	1513	1306.0	62.5	201	233	119	26.5	2920	1283.7	9.30	9.30	812.8	811	41.0	40.7	371	491	13.0	3.46	.85	.74	9.77	8.50	D
874	1514	1307.0	57.6	197	224	119	26.8	2930	1284.4	9.30	9.30	814.1	813	41.0	40.8	355	492	13.0	3.46	.87	.76	9.77	8.50	D
875	1515	1308.0	51.1	191	228	119	26.4	2930	1285.4	9.30	9.30	811.7	812	41.0	40.4	354	493	13.0	3.47	.89	.79	9.77	8.50	D
876	1516	1309.0	55.9	195	219	119	26.8	2930	1286.3	9.30	9.30	814.8	813	40.9	40.4	354	494	13.0	3.47	.88	.77	9.77	8.50	D
877	1517	1310.0	57.2	193	216	119	27.3	2930	1287.3	9.30	9.30	813.3	813	40.9	40.7	353	495	13.0	3.47	.87	.77	9.77	8.50	D
878	1519	1311.0	41.6	188	225	119	27.2	2920	1288.7	9.30	9.30	814.4	813	40.9	40.8	353	496	13.1	3.47	.95	.84	9.77	8.50	D
879	1528	1312.0	49.6	192	230	119	26.4	3000	1292.7	9.30	9.30	822.1	761	41.0	40.3	347	497	13.1	3.48	.90	.79	9.74	8.50	D†
880	1530	1313.0	50.5	208	235	117	25.6	2990	1292.7	9.30	9.30	823.0	808	40.9	40.7	348	498	13.2	3.49	.89	.78	9.75	8.50	D
881	1531	1314.0	60.1	216	253	115	26.2	3000	1293.0	9.40	9.30	823.9	819	40.9	41.2	347	499	13.2	3.49	.85	.74	9.76	8.50	D
882	1532	1315.0	45.0	203	230	115	25.4	2730	1294.0	9.40	9.30	792.4	804	40.9	40.8	345	500	13.2	3.49	.91	.80	9.76	8.50	D
883	1533	1316.0	59.9	200	233	115	24.5	2710	1294.8	9.40	9.30	781.8	788	40.9	41.2	346	501	13.2	3.49	.83	.73	9.76	8.50	D
884	1534	1317.0	51.7	200	230	114	25.7	2710	1295.7	9.40	9.40	779.3	781	41.0	40.8	347	502	13.2	3.50	.87	.77	9.77	8.50	D
885	1535	1318.0	59.9	201	240	115	26.1	2720	1296.5	9.40	9.40	779.8	779	41.0	40.3	346	503	13.2	3.50	.84	.74	9.77	8.50	D
886	1536	1319.0	49.6	209	240	115	26.6	2710	1297.3	9.40	9.40	781.0	780	41.0	40.5	346	504	13.3	3.50	.89	.79	9.78	8.50	D
887	1537	1320.0	51.9	194	231	115	25.3	2720	1298.2	9.40	9.40	780.0	779	41.0	40.8	345	505	13.3	3.50	.87	.76	9.78	8.50	D
888	1538	1321.0	61.3	206	237	114	26.6	2720	1298.7	9.40	9.40	780.0	779	41.0	40.8	346	506	13.3	3.51	.84	.73	9.78	8.50	D
889	1546	1322.0	46.8	174	204	118	26.9	2690	1301.9	9.40	9.40	769.3	672	40.7	40.7	353	507	13.3	3.51	.92	.81	9.78	8.50	D†
890	1547	1323.0	56.9	201	226	119	27.6	2700	1302.0	9.40	9.40	772.9	744	40.6	40.7	354	508	13.4	3.51	.88	.77	9.79	8.50	D
891	1548	1324.0	52.8	206	236	119	27.8	2690	1302.1	9.40	9.40	774.0	765	40.4	41.6	356	509	13.4	3.52	.90	.79	9.80	8.50	D
892	1549	1325.0	60.3	201	228	119	28.3	2690	1302.1	9.40	9.40	775.7	772	40.3	40.6	359	510	13.4	3.52	.87	.76	9.81	8.50	D
893	1551	1326.0	48.4	183	216	119	26.9	2690	1302.3	9.40	9.40	774.3	773	40.2	41.0	362	511	13.4	3.52	.91	.80	9.82	8.50	D
894	1552	1327.0	52.0	194	229	119	27.7	2690	1303.0	9.40	9.40	774.8	773	40.1	41.3	363	512	13.4	3.52	.90	.79	9.82	8.50	D
895	1553	1328.0	47.7	193	238	119	28.3	2690	1304.2	9.40	9.40	774.3	773	40.1	40.4	367	513	13.4	3.53	.92	.81	9.83	8.50	D
896	1554	1329.0	39.4	185	218	119	27.5	2680	1305.4	9.40	9.40	776.1	775	40.0	40.6	371	514	13.5	3.53	.96	.85	9.83	8.50	D
897	1556	1330.0	49.4	192	220	119	28.0	2690	1306.6	9.40	9.40	775.2	774	40.0	40.6	373	515	13.5	3.53	.91	.80	9.83	8.50	D
898	1557	1331.0	44.6	191	222	119	28.1	2690	1307.7	9.40	9.40	775.0	774	40.0	40.6	377	516	13.5	3.54	.94	.83	9.83	8.50	D
899	1607	1332.0	38.5	179	216	119	24.7	2680	1312.0	9.40	9.40	771.1	755	39.6	40.7	397	517	13.6	3.55	.94	.83	9.82	8.50	D†
900	1608	1333.0	49.3	192	222	119	23.0	2670	1312.0	9.40	9.40	772.1	768	39.6	41.1	402	518	13.6	3.55	.86	.76	9.83	8.50	D
901	1610	1334.0	44.8	189	227	119	23.2	2670	1312.0	9.40	9.40	772.1	771	39.5	40.7	404	519	13.6	3.55	.89	.78	9.84	8.50	D
902	1611	1335.0	40.8	184	212	119	23.3	2750	1312.4	9.40	9.40	782.1	776	39.5	40.6	408	520	13.7	3.56	.91	.80	9.85	8.50	D
903	1612	1336.0	47.8	197	217	119	23.8	2760	1313.4	9.40	9.40	783.3	781	39.5	40.5	409	521	13.7	3.56	.88	.77	9.85	8.50	D
904	1613	1337.0	47.7	195	219	119	24.0	2760	1314.4	9.40	9.40	781.8	781	39.5	40.9	413	522	13.7	3.56	.88	.77	9.86	8.50	D
905	1615	1338.0	39.6	187	217	119	23.6	2750	1315.7	9.40	9.40	784.7	783	39.5	40.6	414	523	13.7	3.56	.92	.81	9.86	8.50	D
906	1616	1339.0	53.0	185	208	119	23.4	2760	1316.8	9.40	9.40	784.0	783	39.6	40.5	418	524	13.7	3.57	.85	.74	9.86	8.50	D
907	1617	1340.0	47.0	181	214	119	23.4	2750	1317.8	9.40	9.40	783.0	782	39.6	40.3	421	525	13.8	3.57	.88	.77	9.86	8.50	D
908	1619	1341.0	44.2	186	223	119	24.2	2760	1319.2	9.40	9.40	782.2	782	39.6	40.4	424	526	13.8	3.57	.90	.79	9.86	8.50	D
909	1627	1342.0	47.2	199	232	119	22.5	2770	1321.8	9.40	9.40	784.1	760	39.5	40.2	439	527	13.8	3.58	.87	.76	9.85	8.50	D
910	1628	1343.0	53.6	207	236	119	23.6	2780	1322.5	9.40	9.40	785.2	779	39.4	40.7	443	528	13.8	3.58	.85	.74	9.85	8.50	D
911	1630	1344.0	48.3	205	232	119	23.5	2770	1323.0	9.40	9.40	784.1	782	39.4	40.5	446	529	13.9	3.59	.87	.76	9.85	8.50	D
912	1631	1345.0	55.0	214	245	119	23.6	2770	1324.0	9.40	9.40	784.0	783	39.4	40.5	448	530	13.9	3.59	.84	.73	9.85	8.50	D
913	1632	1346.0	57.9	204	227	119	23.3	2780	1324.9	9.40	9.40	783.0	782	39.4	40.5	452	531	13.9	3.59	.83	.72	9.85	8.50	D
914	1633	1347.0	42.8	206	235	119	23.6	2790	1326.2	9.40	9.40	783.7	783	39.4	40.3	452	532	13.9	3.59	.90	.79	9.85	8.50	D
915	1634	1348.0	50.6	208	244	119	23.4	2790	1327.2	9.40	9.40	784.1	783	39.5	40.2	456	533	13.9	3.60	.86	.75	9.85	8.50	D
916	1635	1349.0	51.2	202	222	119	23.4	2790	1328.2	9.40	9.40	782.4	782	39.6	40.3	454	534	14.0	3.60	.86	.75	9.85	8.50	D
917	1637	1350.0	45.8	212	233	119	24.1	2780	1329.1	9.40	9.40	785.5	783	39.7	40.3	456	535	14.0	3.60	.89	.78	9.85	8.50	D

ESSO AUST Conger No.1

Data Printed at time 04:15 Date Mar 14 '89
Data Recorded at time 16:51 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	hr	EST TW	DXC	NXB	ECD	NXMD	
1918	1651	1351.0	49.7	184	241	118	24.2	2710	1332.6	9.40	9.40	772.8	754	39.7	40.6	478	536	14.1	3.61	.87	.76	9.83	8.50	D↑
1919	1653	1352.0	32.6	160	197	119	24.6	2710	1334.0	9.40	9.40	774.4	772	39.6	40.6	482	537	14.1	3.62	.98	.87	9.83	8.50	D
1920	1655	1353.0	31.7	154	192	119	24.2	2700	1335.3	9.40	9.40	774.6	773	39.5	40.9	483	538	14.1	3.62	.98	.87	9.83	8.50	D
1921	1657	1354.0	29.1	139	171	119	23.1	2710	1336.8	9.40	9.40	776.8	775	39.5	41.1	485	539	14.2	3.62	.99	.88	9.82	8.50	D
1922	1659	1355.0	34.7	159	184	119	23.2	2700	1338.2	9.40	9.40	775.9	775	39.5	40.6	489	540	14.2	3.63	.95	.84	9.82	8.50	D
1923	1701	1356.0	35.1	161	192	119	23.8	2700	1339.4	9.40	9.40	774.9	775	39.5	40.6	490	541	14.2	3.63	.95	.84	9.82	8.50	D
1924	1702	1357.0	34.2	161	194	119	23.9	2700	1340.8	9.40	9.40	773.9	773	39.5	40.4	492	542	14.2	3.64	.96	.85	9.82	8.50	D
1925	1704	1358.0	36.4	159	188	119	24.1	2700	1341.6	9.40	9.40	778.5	776	39.5	40.3	494	543	14.3	3.64	.95	.84	9.82	8.50	D
1926	1707	1359.0	22.8	155	178	119	23.9	2700	1341.8	9.40	9.40	776.7	776	39.5	40.4	500	544	14.3	3.65	1.05	.94	9.82	8.50	D
1927	1717	1360.0	29.1	161	225	119	24.0	2670	1346.4	9.40	9.40	770.6	717	39.5	40.2	514	545	14.4	3.65	1.00	.89	9.80	8.50	D↑
1928	1719	1361.0	51.4	210	235	119	22.2	2680	1347.5	9.40	9.40	771.9	761	39.5	40.5	518	546	14.4	3.66	.85	.74	9.80	8.50	D
1929	1720	1362.0	51.9	207	238	120	22.6	2670	1348.4	9.40	9.40	773.3	770	39.5	41.0	519	547	14.4	3.66	.85	.74	9.80	8.50	D
1930	1721	1363.0	46.4	208	237	120	22.6	2680	1349.4	9.40	9.40	771.1	771	39.4	40.9	521	548	14.4	3.66	.88	.77	9.80	8.50	D
1931	1722	1364.0	40.6	188	211	119	21.6	2680	1350.5	9.40	9.40	771.3	770	39.4	40.5	524	549	14.5	3.67	.90	.79	9.80	8.50	D
1932	1724	1365.0	44.1	184	231	120	21.8	2720	1351.3	9.40	9.40	773.8	771	39.4	40.1	523	550	14.5	3.67	.88	.77	9.80	8.50	D
1933	1726	1366.0	32.7	184	238	120	21.9	2730	1351.4	9.40	9.40	779.9	778	39.4	40.3	527	551	14.5	3.67	.95	.84	9.80	8.50	D
1934	1727	1367.0	34.0	179	207	116	22.1	2730	1351.4	9.40	9.40	779.4	778	39.4	40.2	528	552	14.5	3.68	.94	.83	9.81	8.50	D
1935	1729	1368.0	35.5	185	218	118	22.1	2740	1351.4	9.40	9.40	778.3	778	39.4	40.4	530	553	14.6	3.68	.93	.82	9.82	8.50	D
1936	1732	1369.0	20.8	182	212	117	22.8	2760	1351.6	9.40	9.40	777.6	777	39.4	40.1	536	554	14.6	3.69	1.05	.95	9.82	8.50	D
1937	1744	1370.0	36.0	154	254	105	23.4	2700	1355.8	9.50	9.40	763.8	752	39.4	40.7	544	555	14.7	3.69	.91	.81	9.80	8.50	D
1938	1745	1371.0	39.9	217	246	116	30.5	2700	1356.8	9.50	9.40	773.3	768	39.4	40.9	517	556	14.7	3.70	.98	.86	9.81	8.50	D
1939	1746	1372.0	53.4	229	248	115	31.1	2700	1357.5	9.50	9.40	773.2	771	39.3	40.8	516	557	14.7	3.70	.91	.79	9.81	8.50	D
1940	1748	1373.0	58.2	224	261	115	34.8	2700	1358.2	9.50	9.40	772.9	772	39.3	40.8	517	558	14.7	3.70	.92	.80	9.82	8.50	
1941	1749	1374.0	34.1	202	243	114	36.2	2700	1358.9	9.50	9.40	773.4	772	39.3	40.2	521	559	14.8	3.71	1.07	.94	9.82	8.50	D
1942	1750	1375.0	69.8	214	263	117	36.5	2700	1359.3	9.50	9.40	772.0	771	39.3	39.9	523	560	14.8	3.71	.89	.76	9.83	8.50	D
1943	1751	1376.0	43.1	216	254	114	36.5	2710	1359.7	9.50	9.40	773.0	772	39.3	39.6	525	561	14.8	3.71	1.01	.88	9.84	8.50	D
1944	1752	1377.0	75.7	236	259	116	38.1	2700	1359.9	9.50	9.40	771.0	771	39.3	39.7	525	562	14.8	3.71	.88	.75	9.85	8.50	D
1945	1753	1378.0	51.5	234	268	114	38.5	2720	1360.5	9.50	9.40	771.8	771	39.3	39.7	528	563	14.8	3.72	.97	.85	9.85	8.50	D
1946	1754	1379.0	58.0	241	263	116	39.0	2710	1360.7	9.50	9.40	773.1	772	39.3	40.0	529	564	14.9	3.72	.95	.82	9.86	8.50	D
3	1804	1380.0	41.4	231	273	112	37.7	2750	1362.2	9.50	9.40	783.1	779	39.1	40.2	542	565	14.9	3.73	1.02	.89	9.87	8.50	D
4	1805	1381.0	46.9	253	281	112	39.0	2750	1363.1	9.50	9.40	783.0	781	39.1	40.0	545	566	14.9	3.73	1.00	.87	9.87	8.50	D
5	1806	1382.0	62.0	257	276	111	39.0	2760	1363.8	9.50	9.40	782.7	781	39.1	40.0	546	567	15.0	3.73	.92	.79	9.88	8.50	D
6	1807	1383.0	63.1	245	268	115	38.0	2760	1364.5	9.50	9.40	783.7	782	39.1	39.7	547	568	15.0	3.74	.92	.79	9.88	8.50	D
7	1808	1384.0	56.9	228	267	116	36.8	2750	1365.2	9.50	9.40	785.3	784	39.1	39.8	548	569	15.0	3.74	.94	.81	9.89	8.50	D
8	1809	1385.0	48.9	241	270	115	38.6	2760	1365.9	9.50	9.40	784.9	784	39.1	39.3	549	570	15.0	3.74	.99	.86	9.90	8.50	D
9	1810	1386.0	59.8	247	271	115	38.6	2760	1366.5	9.50	9.40	781.3	781	39.1	39.5	552	571	15.0	3.75	.93	.81	9.90	8.50	D
10	1811	1387.0	55.3	244	274	115	38.5	2750	1367.1	9.50	9.40	784.9	783	39.1	39.5	555	572	15.0	3.75	.95	.83	9.90	8.50	D
11	1812	1388.0	60.4	245	268	114	38.9	2760	1367.7	9.50	9.40	784.6	783	39.1	39.9	558	573	15.1	3.75	.93	.80	9.91	8.50	D
12	1826	1389.0	41.4	214	274	116	35.7	2700	1370.6	9.50	9.40	777.1	775	39.0	39.9	576	574	15.1	3.76	1.01	.88	9.92	8.50	D↑
13	1827	1390.0	48.2	206	229	119	32.2	2700	1370.6	9.50	9.40	776.9	776	39.0	39.7	578	575	15.1	3.76	.94	.82	9.92	8.50	D
14	1828	1391.0	39.3	211	240	119	32.9	2700	1370.6	9.50	9.40	777.5	776	39.0	40.2	581	576	15.2	3.77	1.00	.88	9.94	8.50	D
15	1830	1392.0	43.7	195	216	119	31.7	2710	1370.9	9.50	9.40	777.1	776	39.0	39.6	583	577	15.2	3.77	.96	.84	9.95	8.50	D
16	1831	1393.0	48.4	199	222	119	31.8	2700	1371.8	9.40	9.40	778.8	777	39.0	39.2	586	578	15.2	3.77	.94	.82	9.95	8.50	D
17	1832	1394.0	52.6	192	218	119	31.8	2700	1372.9	9.40	9.40	777.5	777	38.9	39.7	586	579	15.2	3.78	.92	.80	9.95	8.50	D
18	1834	1395.0	41.4	194	232	119	31.1	2710	1374.0	9.40	9.40	777.2	776	39.0	39.9	589	580	15.3	3.78	.97	.85	9.94	8.50	D
19	1835	1396.0	53.8	200	227	119	32.3	2710	1374.7	9.40	9.40	776.4	776	39.0	39.9	591	581	15.3	3.78	.92	.79	9.94	8.50	D
20	1836	1397.0	41.9	203	224	119	32.7	2700	1375.9	9.40	9.40	777.7	777	39.0	39.3	592	582	15.3	3.79	.98	.86	9.94	8.50	D
21	1837	1398.0	47.9	203	230	119	32.9	2700	1377.2	9.40	9.40	776.6	775	39.0	39.8	591	583	15.3	3.79	.95	.83	9.93	8.50	

ESSO AUST Conger No.1

Data Printed at time 04:27 Date Mar 14 '89
Data Recorded at time 18:47 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS m	BIT-hr	EST TW	DXC	NXB	ECD	NXMD	
22	1847	1399.0	49.3	192	237	116	32.9	2680	1379.9	9.40	9.40	774.1	754	39.0	39.2	544	584	15.4	3.80	.94	.82	9.90	8.50	D
23	1848	1400.0	43.1	205	238	118	32.3	2680	1380.1	9.40	9.40	773.2	769	39.0	39.1	547	585	15.4	3.80	.97	.85	9.90	8.50	D
24	1849	1401.0	51.3	210	231	118	32.0	2680	1380.6	9.40	9.40	764.0	766	38.9	39.2	547	586	15.4	3.80	.93	.80	9.91	8.50	D
25	1850	1402.0	62.1	215	248	117	32.6	2680	1381.3	9.40	9.40	770.8	768	38.9	39.2	548	587	15.4	3.81	.88	.76	9.90	8.50	D
26	1851	1403.0	51.0	216	246	118	32.5	2690	1382.4	9.40	9.40	773.5	771	38.9	39.2	550	588	15.5	3.81	.93	.81	9.90	8.50	D
27	1852	1404.0	49.7	217	250	117	33.1	2690	1383.7	9.40	9.40	773.7	773	38.9	39.3	551	589	15.5	3.81	.94	.82	9.90	8.50	D
28	1854	1405.0	46.2	212	235	117	32.9	2690	1384.8	9.40	9.40	774.6	774	38.9	39.3	556	590	15.5	3.81	.96	.84	9.89	8.50	D
29	1855	1406.0	54.2	206	234	117	32.9	2690	1385.7	9.40	9.40	773.8	773	38.9	39.5	556	591	15.5	3.82	.92	.80	9.89	8.50	D
30	1856	1407.0	37.6	204	226	118	33.2	2690	1387.2	9.40	9.40	774.0	773	38.8	39.4	559	592	15.5	3.82	1.02	.89	9.88	8.50	D
31	1857	1408.0	58.3	207	231	117	33.2	2690	1388.2	9.30	9.40	775.6	774	38.8	39.3	561	593	15.6	3.82	.91	.78	9.88	8.50	D
32	1908	1409.0	38.8	189	231	118	30.6	2670	1389.7	9.30	9.40	768.7	726	38.7	39.8	573	594	15.6	3.83	.99	.87	9.87	8.50	D†
33	1909	1410.0	46.6	223	253	119	30.7	2680	1389.7	9.30	9.40	770.9	758	38.7	39.7	571	595	15.6	3.84	.94	.82	9.88	8.50	D
34	1910	1411.0	56.1	245	267	119	32.5	2680	1389.7	9.30	9.40	772.9	768	38.7	39.7	570	596	15.7	3.84	.91	.79	9.88	8.50	D
35	1911	1412.0	58.7	234	261	119	32.0	2670	1389.9	9.30	9.40	770.9	769	38.7	39.7	570	597	15.7	3.84	.90	.77	9.88	8.50	D
36	1912	1413.0	47.5	234	260	118	32.5	2770	1390.7	9.30	9.40	781.3	775	38.7	39.3	569	598	15.7	3.84	.95	.83	9.87	8.50	D
37	1913	1414.0	47.8	226	258	119	32.2	2760	1391.6	9.30	9.40	785.9	783	38.7	39.3	567	599	15.7	3.85	.95	.83	9.87	8.50	D
38	1914	1415.0	55.6	225	251	119	32.0	2770	1392.2	9.30	9.40	786.7	785	38.7	39.3	572	600	15.7	3.85	.91	.79	9.87	8.50	D
39	1916	1416.0	44.6	210	238	119	31.2	2770	1393.2	9.30	9.40	786.6	786	38.7	39.4	569	601	15.7	3.85	.96	.84	9.86	8.50	D
40	1917	1417.0	54.2	237	263	118	32.6	2770	1394.2	9.30	9.40	786.5	786	38.7	39.3	568	602	15.8	3.86	.92	.80	9.86	8.50	D
41	1927	1418.0	44.4	188	260	118	32.1	2670	1399.3	9.30	9.40	769.5	759	39.1	39.8	543	603	15.8	3.86	.97	.85	9.80	8.50	D
42	1928	1419.0	41.9	188	220	119	31.8	2770	1399.6	9.30	9.40	782.2	774	39.1	39.5	524	604	15.8	3.87	.99	.86	9.80	8.50	D
43	1930	1420.0	34.8	188	211	119	32.4	2780	1399.6	9.30	9.40	786.9	784	39.1	39.5	508	605	15.9	3.87	1.04	.91	9.81	8.50	D
44	1932	1421.0	35.5	182	206	120	32.5	2770	1399.7	9.30	9.40	786.8	786	39.2	39.5	502	606	15.9	3.88	1.04	.91	9.81	8.50	D
45	1933	1422.0	41.2	176	198	119	32.4	2770	1400.5	9.30	9.40	787.6	786	39.2	39.6	505	607	15.9	3.88	1.00	.87	9.81	8.50	D
46	1936	1423.0	20.7	163	189	120	32.1	2770	1403.3	9.30	9.40	786.2	785	39.3	39.9	504	608	16.0	3.89	1.17	1.04	9.78	8.50	D
47	1939	1424.0	21.0	159	190	119	30.1	2770	1405.6	9.30	9.40	787.8	787	39.3	39.8	445	609	16.0	3.90	1.15	1.02	9.77	8.50	D
48	1941	1425.0	24.3	160	194	119	30.0	2770	1407.4	9.30	9.40	785.8	785	39.4	39.9	390	610	16.1	3.90	1.11	.99	9.76	8.50	D
49	1943	1426.0	37.1	175	207	119	31.6	2770	1408.7	9.30	9.40	786.3	785	39.4	39.7	363	611	16.1	3.91	1.02	.90	9.75	8.50	D
50	1945	1427.0	23.6	175	203	119	32.3	2760	1409.5	9.30	9.40	787.5	786	39.3	39.7	367	612	16.1	3.91	1.14	1.02	9.74	8.50	D
51	1956	1428.0	32.9	193	217	119	28.5	2770	1413.3	9.30	9.40	786.2	783	39.0	39.6	383	613	16.2	3.92	1.03	.90	9.70	8.50	D
52	1958	1429.0	37.0	226	262	118	31.6	2770	1414.5	9.30	9.40	786.9	786	39.0	39.7	384	614	16.2	3.93	1.03	.90	9.70	8.50	D
53	1959	1430.0	45.6	239	258	118	32.2	2770	1415.5	9.30	9.40	786.7	786	38.9	39.7	387	615	16.3	3.93	.98	.85	9.70	8.50	D
54	2000	1431.0	63.5	239	270	117	32.0	2770	1416.3	9.30	9.40	786.8	786	38.9	39.6	391	616	16.3	3.93	.89	.76	9.70	8.50	D
55	2001	1432.0	55.1	226	258	115	31.3	2770	1417.0	9.30	9.40	786.2	785	38.9	39.6	391	617	16.3	3.93	.92	.79	9.70	8.50	D
56	2002	1433.0	50.4	230	256	113	31.1	2770	1417.8	9.30	9.40	785.3	784	38.9	39.5	391	618	16.3	3.94	.93	.81	9.70	8.50	D
57	2003	1434.0	49.6	237	269	113	32.2	2770	1418.3	9.30	9.40	788.0	787	38.8	39.6	394	619	16.3	3.94	.95	.82	9.71	8.50	D
58	2005	1435.0	52.8	230	258	114	31.8	2770	1418.3	9.30	9.40	787.8	787	38.8	39.6	397	620	16.4	3.94	.93	.80	9.71	8.50	D
59	2006	1436.0	50.6	238	264	112	32.2	2780	1418.3	9.30	9.40	786.4	786	38.8	39.6	397	621	16.4	3.94	.94	.81	9.72	8.50	D
60	2014	1437.0	39.0	238	273	114	32.7	2750	1420.3	9.30	9.40	779.9	739	38.7	39.8	409	622	16.4	3.95	1.01	.88	9.71	8.50	D
61	2015	1438.0	54.3	214	240	119	31.6	2750	1421.0	9.30	9.40	782.9	771	38.7	39.6	411	623	16.4	3.95	.93	.80	9.71	8.50	D
62	2017	1439.0	38.8	196	252	118	29.8	2740	1421.9	9.30	9.40	782.9	780	38.7	39.2	412	624	16.5	3.96	1.00	.87	9.71	8.50	D
63	2019	1440.0	29.2	175	208	117	29.4	2730	1423.0	9.30	9.40	782.4	781	38.6	39.5	414	625	16.5	3.96	1.06	.93	9.72	8.50	D
64	2021	1441.0	38.4	171	231	114	28.3	2740	1423.5	9.30	9.40	783.7	782	38.6	39.6	416	626	16.5	3.96	.97	.85	9.72	8.50	D
65	2022	1442.0	55.2	218	252	115	31.2	2770	1423.9	9.30	9.40	783.7	783	38.6	39.6	417	627	16.5	3.97	.91	.78	9.72	8.50	D
66	2023	1443.0	42.1	199	229	115	30.4	2750	1424.4	9.30	9.40	782.4	782	38.6	39.7	421	628	16.6	3.97	.97	.85	9.73	8.50	D
67	2024	1444.0	49.9	207	233	118	31.9	2740	1424.9	9.30	9.40	782.1	781	38.6	40.1	421	629	16.6	3.97	.95	.82	9.73	8.50	D
68	2025	1445.0	45.5	212	230	113	32.3	2750	1425.5	9.30	9.40	782.0	781	38.6	40.1	422	630	16.6	3.98	.97	.84	9.73	8.50	D
69	2027	1446.0	53.3	211	235	115	32.2	2750	1425.9	9.30	9.40	782.3	781	38.6	40.1	423	631	16.6	3.98	.93	.80	9.74	8.50	D

ESSO AUST Conger No.1

Data Printed at time 04:31 Date Mar 14 '89
Data Recorded at time 20:41 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT- m	THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD
70	2041	1447.0	37.3	197	232	115	31.0	2700	1428.0	9.30	9.40	775.5	691	38.7	39.8	459	632	16.7	3.99	1.01	.88	9.73	8.50 D↑
71	2043	1448.0	53.7	217	250	114	29.8	2800	1428.0	9.30	9.40	763.0	754	38.7	39.6	464	633	16.7	3.99	.90	.78	9.74	8.50 D
72	2044	1449.0	42.5	212	242	115	29.6	2880	1428.2	9.30	9.40	778.8	742	38.6	39.8	467	634	16.7	3.99	.96	.84	9.73	8.50 D
73	2045	1450.0	59.5	229	252	114	31.8	2880	1428.8	9.30	9.40	809.7	787	38.6	39.9	467	635	16.7	4.00	.89	.77	9.74	8.50 D
74	2046	1451.0	58.8	233	251	116	31.9	2890	1429.5	9.30	9.40	811.4	804	38.6	39.5	467	636	16.8	4.00	.90	.77	9.75	8.50 D
75	2047	1452.0	64.1	234	254	115	32.1	2870	1430.2	9.30	9.40	811.9	809	38.5	39.7	469	637	16.8	4.00	.88	.75	9.75	8.50 D
76	2048	1453.0	43.6	210	249	117	30.7	2750	1431.2	9.30	9.40	803.5	807	38.5	39.8	470	638	16.8	4.00	.97	.84	9.75	8.50 D
77	2049	1454.0	63.4	221	248	114	30.8	2760	1432.1	9.30	9.40	789.7	795	38.5	39.8	470	639	16.8	4.00	.87	.74	9.75	8.50 D
78	2050	1455.0	64.2	231	242	114	32.0	2750	1433.0	9.30	9.40	790.2	791	38.5	39.7	470	640	16.8	4.01	.88	.75	9.75	8.50 D
79	2051	1456.0	53.3	229	257	116	31.6	2750	1434.0	9.30	9.40	789.2	789	38.5	39.6	470	641	16.9	4.01	.93	.80	9.75	8.50 D
80	2102	1457.0	46.6	214	252	105	30.6	2810	1438.1	9.30	9.40	794.8	760	38.4	39.5	484	642	16.9	4.01	.93	.80	9.73	8.50 D↑
81	2103	1458.0	66.1	235	265	102	30.4	2820	1438.4	9.30	9.40	795.7	785	38.4	39.7	490	643	16.9	4.01	.83	.70	9.73	8.50 D
82	2104	1459.0	56.0	229	265	101	30.7	2800	1438.7	9.30	9.40	795.4	792	38.4	39.2	491	644	16.9	4.02	.87	.75	9.74	8.50 D
83	2105	1460.0	76.8	244	273	98	31.6	2800	1439.3	9.30	9.40	796.1	794	38.4	39.1	488	645	16.9	4.02	.79	.67	9.74	8.50 D
84	2106	1461.0	50.8	224	262	99	29.6	2810	1440.0	9.30	9.40	794.9	793	38.3	39.2	495	646	17.0	4.02	.88	.76	9.74	8.50 D
85	2107	1462.0	77.9	225	268	99	29.4	2800	1440.5	9.30	9.40	795.3	794	38.3	39.2	497	647	17.0	4.02	.77	.65	9.74	8.50 D
86	2108	1463.0	48.8	245	279	99	31.3	2790	1441.1	9.30	9.40	796.4	795	38.3	39.2	497	648	17.0	4.02	.90	.78	9.75	8.50 D
87	2109	1464.0	69.6	245	278	99	31.5	2780	1441.5	9.30	9.40	795.1	794	38.3	39.4	498	649	17.0	4.03	.82	.69	9.75	8.50 D
88	2110	1465.0	54.6	233	268	98	30.6	2790	1442.0	9.30	9.40	792.7	793	38.3	39.4	504	650	17.0	4.03	.87	.74	9.75	8.50 D
89	2111	1466.0	54.7	222	253	100	30.0	2790	1442.9	9.30	9.40	794.3	793	38.3	39.5	503	651	17.0	4.03	.87	.74	9.76	8.50 D
90	2120	1467.0	43.7	199	267	99	29.6	2770	1447.5	9.30	9.40	790.4	759	38.4	39.4	498	652	17.1	4.03	.92	.79	9.73	8.50 D↑
91	2122	1468.0	42.1	198	249	112	29.7	2780	1448.1	9.30	9.40	792.0	785	38.4	39.2	496	653	17.1	4.04	.96	.83	9.73	8.50 D
92	2123	1469.0	62.5	226	258	112	32.0	2780	1448.1	9.30	9.40	794.2	791	38.4	39.5	497	654	17.1	4.04	.88	.75	9.74	8.50
93	2124	1470.0	58.0	230	268	112	32.0	2770	1448.1	9.30	9.40	793.2	792	38.4	39.3	499	655	17.2	4.04	.90	.77	9.75	8.50 D
94	2125	1471.0	50.3	232	279	112	32.9	2770	1448.1	9.30	9.40	791.8	792	38.5	39.1	499	656	17.2	4.04	.94	.81	9.75	8.50 D
95	2126	1472.0	70.3	228	256	112	32.3	2770	1448.1	9.30	9.40	794.0	792	38.5	39.2	503	657	17.2	4.05	.85	.72	9.76	8.50 D
96	2127	1473.0	60.8	218	253	112	31.3	2770	1448.1	9.30	9.40	795.2	794	38.5	39.2	501	658	17.2	4.05	.88	.75	9.77	8.50 D
97	2128	1474.0	47.1	215	280	112	29.6	2770	1448.2	9.30	9.40	794.2	793	38.6	39.4	506	659	17.2	4.05	.93	.80	9.77	8.50 D
98	2129	1475.0	55.1	242	281	112	33.0	2760	1448.9	9.30	9.40	793.8	793	38.7	39.5	508	660	17.2	4.05	.92	.78	9.78	8.50 D
99	2130	1476.0	48.3	225	260	112	32.9	2770	1449.9	9.30	9.40	794.5	793	38.7	39.5	508	661	17.3	4.06	.95	.82	9.78	8.50 D
100	2142	1477.0	51.0	209	244	112	29.7	2790	1455.2	9.30	9.40	796.2	772	38.9	39.0	527	662	17.3	4.06	.91	.78	9.75	8.50 D↑
101	2143	1478.0	63.3	236	282	113	30.4	2790	1456.2	9.30	9.40	795.9	789	38.9	38.8	529	663	17.3	4.06	.86	.74	9.75	8.50 D
102	2144	1479.0	63.0	226	261	112	30.2	2800	1457.1	9.30	9.40	797.0	794	38.9	38.6	530	664	17.3	4.07	.86	.73	9.75	8.50 D
103	2145	1480.0	60.4	256	287	112	32.6	2800	1458.1	9.30	9.40	797.5	795	38.8	39.0	527	665	17.4	4.07	.89	.76	9.75	8.50 D
104	2146	1481.0	54.9	259	318	112	33.7	2800	1458.2	9.30	9.40	797.9	797	38.8	39.0	533	666	17.4	4.07	.93	.79	9.75	8.50 D
105	2147	1482.0	56.5	242	275	114	34.5	2800	1458.2	9.30	9.40	796.5	796	38.8	39.2	532	667	17.4	4.07	.93	.79	9.76	8.50 D
106	2147	1483.0	76.0	245	275	120	34.1	2790	1458.2	9.30	9.40	797.3	796	38.8	39.2	531	668	17.4	4.07	.86	.73	9.76	8.50 D
107	2148	1484.0	61.7	230	260	121	32.8	2800	1458.2	9.30	9.40	796.9	796	38.7	39.2	533	669	17.4	4.08	.91	.77	9.77	8.50 D
108	2149	1485.0	62.8	230	271	116	33.4	2800	1458.2	9.30	9.40	798.7	797	38.6	39.2	532	670	17.4	4.08	.90	.76	9.78	8.50 D
109	2200	1486.0	62.8	233	273	113	32.4	2790	1462.4	9.30	9.40	794.1	760	38.4	38.8	555	671	17.5	4.08	.88	.75	9.76	8.50 D
110	2201	1487.0	78.3	248	274	112	31.7	2790	1463.3	9.30	9.40	794.0	780	38.4	38.8	557	672	17.5	4.09	.82	.69	9.76	8.50 D
111	2201	1488.0	62.6	243	268	112	31.5	2790	1464.2	9.30	9.40	795.6	790	38.4	38.8	559	673	17.5	4.09	.87	.74	9.76	8.50 D
112	2202	1489.0	72.7	245	281	114	31.7	2790	1465.0	9.30	9.40	794.3	792	38.4	38.8	559	674	17.5	4.09	.84	.71	9.76	8.50 D
113	2203	1490.0	84.3	240	273	114	31.8	2790	1465.8	9.30	9.40	796.3	794	38.4	38.8	558	675	17.5	4.09	.80	.67	9.76	8.50 D
114	2204	1491.0	77.8	240	271	114	32.2	2790	1466.5	9.30	9.40	795.5	795	38.3	38.8	559	676	17.6	4.09	.83	.70	9.76	8.50 D
115	2205	1492.0	73.6	242	273	113	31.7	2770	1467.2	9.30	9.40	795.1	794	38.3	38.8	560	677	17.6	4.09	.84	.70	9.76	8.50 D
116	2205	1493.0	60.0	237	264	114	31.8	2770	1467.8	9.30	9.40	795.3	794	38.3	38.8	561	678	17.6	4.10	.89	.76	9.77	8.50 D
117	2206	1494.0	64.0	244	275	114	32.5	2780	1468.2	9.30	9.40	795.8	795	38.3	39.0	562	679	17.6	4.10	.88	.75	9.77	8.50

ESSO AUST Conger No.1

Data Printed at time 04:36 Date Mar 14 '89
Data Recorded at time 22:17 Date Mar 3 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
118	2217	1495.0	59.8	233	270	113	32.5	2780	1469.0	9.30	9.40	793.0	723	38.2	39.1	578	680	17.6	4.10	.89	.76	9.77	8.50	D
119	2217	1496.0	69.3	237	262	114	32.4	2780	1469.4	9.30	9.40	795.5	756	38.2	39.1	577	681	17.6	4.11	.84	.70	9.77	8.50	D
120	2218	1497.0	61.9	221	262	113	31.0	2770	1470.4	9.30	9.40	795.0	786	38.1	39.0	578	682	17.7	4.11	.87	.74	9.78	8.50	D
121	2220	1498.0	37.4	203	274	114	29.1	2770	1471.7	9.30	9.40	793.9	792	38.1	38.8	578	683	17.7	4.11	.98	.85	9.77	8.50	D
122	2220	1499.0	88.6	220	244	113	33.4	2760	1472.4	9.30	9.40	795.1	793	38.1	38.8	579	684	17.7	4.11	.80	.67	9.78	8.50	D
123	2222	1500.0	52.6	227	260	113	33.3	2780	1473.4	9.30	9.40	795.2	794	38.1	38.7	580	685	17.7	4.11	.93	.80	9.78	8.50	D
124	2222	1501.0	70.4	232	261	114	33.8	2770	1474.1	9.30	9.40	796.0	795	38.0	39.0	582	686	17.7	4.12	.86	.73	9.78	8.50	D
125	2223	1502.0	59.2	220	260	112	33.8	2780	1474.8	9.30	9.40	795.9	795	38.0	39.0	582	687	17.7	4.12	.90	.77	9.78	8.50	D
126	2224	1503.0	66.5	221	241	111	33.2	2770	1475.8	9.30	9.40	795.6	795	38.0	39.0	581	688	17.8	4.12	.87	.73	9.78	8.50	D
127	2225	1504.0	55.3	212	238	110	33.7	2780	1476.7	9.30	9.40	795.0	794	38.0	39.1	582	689	17.8	4.12	.92	.78	9.78	8.50	D
128	2237	1505.0	49.3	196	238	112	28.7	2780	1478.7	9.30	9.40	794.2	783	38.0	39.1	593	690	17.8	4.13	.91	.78	9.78	8.50	D†
129	2238	1506.0	60.4	205	245	113	26.5	2770	1479.5	9.30	9.40	794.0	790	38.0	39.1	595	691	17.8	4.13	.84	.71	9.77	8.50	D
130	2239	1507.0	72.5	246	284	113	29.7	2780	1480.3	9.30	9.40	795.8	793	38.0	39.0	596	692	17.9	4.13	.82	.69	9.78	8.50	D
131	2240	1508.0	83.7	249	285	113	30.3	2770	1481.1	9.30	9.40	794.8	793	38.0	39.0	599	693	17.9	4.13	.79	.66	9.78	8.50	D
132	2241	1509.0	71.2	251	279	113	29.9	2770	1481.9	9.30	9.40	795.4	794	37.9	39.1	594	694	17.9	4.14	.83	.70	9.78	8.50	D
133	2242	1510.0	63.1	243	273	113	30.0	2770	1482.7	9.30	9.40	794.8	794	37.9	39.1	594	695	17.9	4.14	.86	.73	9.78	8.50	D
134	2242	1511.0	65.3	239	274	114	30.0	2770	1483.6	9.30	9.40	795.3	794	37.9	38.8	590	696	17.9	4.14	.85	.72	9.78	8.50	D
135	2243	1512.0	76.9	255	290	113	31.4	2780	1484.6	9.30	9.40	795.6	795	37.9	38.7	589	697	17.9	4.14	.82	.69	9.78	8.50	D
136	2244	1513.0	70.5	243	287	113	30.9	2780	1485.4	9.30	9.40	794.9	794	37.9	38.7	588	698	17.9	4.14	.84	.71	9.78	8.50	D
137	2255	1514.0	43.5	228	294	112	30.6	2760	1487.9	9.30	9.40	792.0	759	38.1	39.2	574	699	18.0	4.15	.96	.82	9.77	8.50	D†
138	2256	1515.0	57.7	255	290	112	31.4	2770	1489.3	9.30	9.40	794.6	784	38.1	38.8	567	700	18.0	4.15	.89	.76	9.77	8.50	D
139	2257	1516.0	55.0	243	294	112	31.1	2760	1490.5	9.30	9.40	792.5	790	38.1	38.6	557	701	18.0	4.15	.90	.77	9.77	8.50	D
140	2258	1517.0	59.5	244	277	112	31.2	2760	1491.6	9.30	9.40	793.5	791	38.2	38.6	544	702	18.0	4.15	.88	.75	9.77	8.50	D
141	2259	1518.0	51.2	237	279	112	31.3	2760	1492.7	9.30	9.40	792.1	791	38.2	38.4	542	703	18.0	4.16	.92	.79	9.77	8.50	D
142	2300	1519.0	52.9	228	261	112	30.0	2760	1494.0	9.30	9.40	793.0	792	38.2	38.4	542	704	18.1	4.16	.90	.77	9.76	8.50	D
143	2301	1520.0	69.7	234	273	112	30.2	2760	1495.0	9.30	9.40	794.0	793	38.2	38.9	541	705	18.1	4.16	.84	.70	9.76	8.50	D
144	2302	1521.0	66.6	238	276	112	30.9	2750	1495.8	9.30	9.40	793.7	793	38.3	39.0	542	706	18.1	4.16	.85	.72	9.76	8.50	D
145	2303	1522.0	46.3	237	269	113	31.7	2770	1495.8	9.30	9.40	792.3	792	38.3	39.0	540	707	18.1	4.16	.95	.82	9.77	8.50	D
146	2304	1523.0	39.8	224	277	115	31.7	2770	1495.9	9.30	9.40	793.0	792	38.3	39.0	539	708	18.1	4.17	.99	.86	9.78	8.50	D
147	2317	1524.0	48.4	197	258	112	31.0	2810	1502.8	9.30	9.40	796.8	765	38.8	39.0	526	709	18.2	4.17	.94	.80	9.74	8.50	D
148	2318	1525.0	64.3	225	267	113	32.4	2810	1503.9	9.30	9.40	797.2	787	38.8	39.0	527	710	18.2	4.17	.88	.74	9.74	8.50	D
149	2319	1526.0	47.8	225	255	113	32.2	2810	1505.1	9.30	9.40	800.1	797	38.8	39.1	525	711	18.2	4.18	.95	.82	9.74	8.50	D
150	2320	1527.0	68.9	227	264	113	32.4	2810	1505.5	9.30	9.40	799.5	798	38.8	38.8	525	712	18.2	4.18	.86	.72	9.74	8.50	D
151	2321	1528.0	57.2	225	275	113	32.1	2820	1505.7	9.30	9.40	798.5	798	38.9	38.7	524	713	18.2	4.18	.90	.77	9.74	8.50	D
152	2323	1529.0	39.5	200	234	113	30.7	2820	1505.7	9.30	9.40	798.0	797	38.9	38.6	522	714	18.3	4.18	.98	.85	9.75	8.50	D
153	2323	1530.0	59.9	209	268	113	29.4	2820	1505.7	9.30	9.40	796.6	796	38.9	38.9	519	715	18.3	4.19	.87	.74	9.76	8.50	D
154	2324	1531.0	76.2	241	266	113	31.6	2820	1505.7	9.30	9.40	796.3	796	38.9	38.9	518	716	18.3	4.19	.83	.69	9.76	8.50	D
155	2325	1532.0	51.9	230	271	113	30.9	2820	1506.1	9.30	9.40	798.5	797	39.0	39.1	518	717	18.3	4.19	.92	.78	9.77	8.50	D
156	2327	1533.0	44.9	230	268	113	31.5	2830	1507.0	9.30	9.40	797.5	797	39.0	39.3	519	718	18.3	4.19	.96	.82	9.77	8.50	D
157	2338	1534.0	50.6	185	230	113	30.6	2800	1514.0	9.30	9.40	792.0	781	39.2	39.1	508	719	18.4	4.20	.93	.79	9.73	8.50	D†
158	2339	1535.0	49.8	203	232	113	30.7	2790	1514.9	9.30	9.40	791.8	788	39.2	39.3	511	720	18.4	4.20	.93	.80	9.73	8.50	D
159	2340	1536.0	40.5	207	235	113	32.3	2790	1515.1	9.30	9.40	791.9	790	39.2	38.9	510	721	18.4	4.20	.99	.86	9.73	8.50	D
160	2342	1537.0	43.6	214	248	113	32.6	2800	1515.1	9.30	9.40	791.1	791	39.2	38.6	505	722	18.4	4.21	.98	.84	9.74	8.50	D
161	2343	1538.0	63.7	216	243	113	32.9	2790	1515.1	9.30	9.40	791.5	790	39.2	38.6	506	723	18.5	4.21	.88	.75	9.74	8.50	D
162	2344	1539.0	47.4	217	251	112	33.2	2800	1515.5	9.30	9.40	792.0	791	39.2	38.9	505	724	18.5	4.21	.96	.82	9.75	8.50	D
163	2345	1540.0	62.0	215	253	112	33.3	2800	1516.2	9.30	9.40	792.1	791	39.3	39.1	503	725	18.5	4.21	.89	.75	9.75	8.50	D
164	2346	1541.0	57.6	219	259	110	33.3	2820	1517.1	9.30	9.40	791.3	790	39.3	39.3	504	726	18.5	4.22	.91	.77	9.75	8.50	D
165	2347	1542.0	56.2	201	230	111	32.0	2810	1518.0	9.30	9.40	790.1	790	39.3	39.3	504	727	18.5	4.22	.90	.77	9.75	8.50	D

ESSO AUST Conger No.1

Data Printed at time 04:41 Date Mar 14 '89
Data Recorded at time 23:49 Date Mar 3 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD
166	2349	1543.0	30.6	170	284	86	29.8	2810	1519.8	9.30	9.40	791.9	791	39.3	39.5	500	728	18.6	4.22	.97	.85	9.75	8.50 D
	Date	Mar 4 '89																					
167	0004	1544.0	76.4	192	226	110	22.2	2790	1524.8	9.30	9.40	789.9	776	39.6	39.9	487	729	18.6	4.22	.75	.62	9.72	8.50 D
168	0005	1545.0	48.0	190	223	112	21.7	2780	1524.8	9.30	9.40	789.0	786	39.6	39.5	486	730	18.6	4.23	.85	.73	9.73	8.50 D
169	0006	1546.0	47.9	187	209	112	21.4	2790	1524.8	9.30	9.40	790.0	788	39.6	39.5	488	731	18.6	4.23	.85	.73	9.73	8.50 D
170	0008	1547.0	42.3	184	213	112	21.5	2800	1525.8	9.30	9.40	791.2	789	39.6	39.5	484	732	18.7	4.23	.88	.76	9.73	8.50 D
171	0009	1548.0	49.7	185	213	112	21.6	2790	1526.7	9.30	9.40	791.2	790	39.6	39.5	483	733	18.7	4.23	.84	.72	9.74	8.50 D
172	0010	1549.0	40.7	180	208	112	22.1	2790	1528.1	9.30	9.40	791.0	790	39.7	39.7	482	734	18.7	4.24	.89	.77	9.73	8.50 D
173	0011	1550.0	46.0	180	211	112	31.5	2800	1529.4	9.30	9.40	791.6	791	39.7	39.9	480	735	18.7	4.24	.95	.82	9.73	8.50 D
174	0013	1551.0	52.1	174	204	113	31.6	2790	1530.3	9.30	9.40	790.1	790	39.7	39.9	480	736	18.7	4.24	.93	.79	9.73	8.50 D
175	0015	1552.0	30.7	161	194	112	31.0	2800	1532.0	9.30	9.40	791.6	791	39.7	40.0	480	737	18.8	4.24	1.05	.92	9.73	8.50 D
176	0026	1553.0	47.6	220	259	111	34.9	2810	1534.6	9.30	9.40	792.3	784	39.9	39.9	476	738	18.8	4.25	.97	.83	9.71	8.50 D
177	0027	1554.0	56.6	238	257	112	35.2	2810	1534.6	9.30	9.40	793.4	789	39.9	39.9	475	739	18.9	4.25	.93	.79	9.72	8.50 D
178	0028	1555.0	62.3	231	262	112	34.8	2820	1534.9	9.30	9.40	793.2	791	39.9	39.2	472	740	18.9	4.25	.90	.76	9.73	8.50 D
179	0028	1556.0	70.4	216	254	111	34.3	2820	1535.2	9.30	9.40	794.0	792	39.9	39.2	471	741	18.9	4.26	.87	.73	9.73	8.50 D
180	0030	1557.0	50.3	218	250	112	34.4	2830	1536.3	9.30	9.40	791.0	791	39.9	39.3	470	742	18.9	4.26	.95	.81	9.73	8.50 D
181	0031	1558.0	42.2	220	253	112	34.5	2820	1537.1	9.30	9.40	790.3	790	39.9	39.5	469	743	18.9	4.26	1.00	.86	9.73	8.50 D
182	0032	1559.0	59.1	221	261	112	34.7	2820	1537.9	9.30	9.40	790.8	790	39.9	39.9	469	744	18.9	4.26	.91	.77	9.73	8.50 D
183	0033	1560.0	44.0	213	254	111	34.3	2830	1538.9	9.30	9.40	791.7	790	39.9	40.2	469	745	19.0	4.27	.99	.85	9.73	8.50 D
184	0034	1561.0	63.0	216	251	111	34.1	2830	1539.7	9.30	9.40	790.7	790	39.9	40.2	469	746	19.0	4.27	.89	.75	9.73	8.50 D
185	0045	1562.0	36.9	192	240	111	33.8	2810	1544.6	9.30	9.40	784.1	717	40.0	40.3	462	747	19.0	4.28	1.03	.89	9.71	8.50 D
186	0045	1563.0	73.7	221	255	112	34.1	2820	1544.7	9.30	9.40	786.2	756	40.0	40.2	461	748	19.0	4.28	.86	.72	9.71	8.50 D
187	0046	1564.0	49.0	224	266	112	34.6	2820	1544.7	9.30	9.40	785.5	778	40.0	39.8	462	749	19.1	4.28	.96	.82	9.72	8.50
188	0047	1565.0	79.3	225	255	112	34.5	2810	1544.7	9.30	9.40	787.9	784	40.0	39.9	461	750	19.1	4.28	.84	.70	9.72	8.50 D
189	0049	1566.0	34.7	223	266	112	35.1	2820	1544.7	9.30	9.40	786.8	786	40.1	39.9	460	751	19.1	4.28	1.06	.91	9.73	8.50 D
190	0050	1567.0	56.4	230	265	112	35.5	2820	1544.7	9.30	9.40	786.0	785	40.1	39.9	460	752	19.1	4.29	.93	.79	9.74	8.50 D
191	0051	1568.0	75.5	224	254	112	35.3	2820	1544.7	9.30	9.40	785.1	785	40.1	39.8	460	753	19.1	4.29	.86	.71	9.74	8.50 D
192	0052	1569.0	42.6	219	270	112	35.5	2820	1544.7	9.30	9.40	787.2	786	40.1	40.1	458	754	19.2	4.29	1.00	.86	9.75	8.50 D
193	0053	1570.0	49.8	234	273	112	36.5	2800	1544.7	9.30	9.40	787.5	786	40.1	40.0	457	755	19.2	4.29	.97	.83	9.76	8.50 D
194	0055	1571.0	48.6	224	277	112	36.5	2820	1544.9	9.30	9.40	785.2	785	40.1	40.1	457	756	19.2	4.30	.98	.83	9.76	8.50 D
195	0104	1572.0	36.4	211	276	108	35.9	2790	1549.7	9.30	9.40	783.0	745	40.2	40.7	447	757	19.3	4.30	1.04	.90	9.74	8.50 D
196	0105	1573.0	56.4	221	253	112	35.1	2800	1550.5	9.30	9.40	782.2	772	40.2	40.7	450	758	19.3	4.31	.93	.79	9.74	8.50 D
197	0106	1574.0	83.9	213	245	112	34.7	2790	1550.9	9.30	9.40	783.2	777	40.2	40.5	448	759	19.3	4.31	.82	.68	9.74	8.50 D
198	0107	1575.0	53.2	209	243	111	34.6	2800	1551.8	9.30	9.40	783.6	782	40.2	40.1	447	760	19.3	4.31	.94	.80	9.75	8.50 D
199	0109	1576.0	41.4	203	253	112	34.6	2800	1553.0	9.30	9.40	782.9	782	40.2	40.0	446	761	19.3	4.31	1.01	.86	9.74	8.50 D
200	0110	1577.0	52.3	196	231	112	33.3	2810	1553.4	9.30	9.40	784.2	783	40.2	40.0	447	762	19.3	4.32	.93	.79	9.75	8.50 D
201	0111	1578.0	40.9	201	238	112	34.0	2800	1553.6	9.30	9.40	783.4	783	40.3	40.3	447	763	19.4	4.32	1.00	.86	9.75	8.50 D
202	0112	1579.0	55.2	211	239	112	35.1	2800	1553.7	9.30	9.40	783.9	783	40.3	40.4	444	764	19.4	4.32	.93	.79	9.76	8.50 D
203	0113	1580.0	59.8	207	241	112	35.1	2800	1553.7	9.30	9.40	785.0	784	40.3	40.5	444	765	19.4	4.32	.91	.77	9.76	8.50 D
204	0114	1581.0	42.4	207	240	112	35.3	2810	1553.7	9.30	9.40	785.1	784	40.4	40.6	442	766	19.4	4.33	1.00	.86	9.77	8.50 D
205	0124	1582.0	49.6	189	270	103	36.0	2890	1558.8	9.30	9.40	795.8	779	40.5	41.0	416	767	19.5	4.33	.95	.81	9.75	8.50 D
206	0125	1583.0	55.9	215	241	112	36.5	2890	1559.6	9.30	9.40	794.1	789	40.5	40.5	403	768	19.5	4.34	.94	.80	9.75	8.50 D
207	0126	1584.0	86.8	192	220	112	34.2	2900	1560.2	9.30	9.40	796.0	793	40.5	40.5	390	769	19.5	4.34	.81	.67	9.75	8.50 D
208	0127	1585.0	48.1	195	216	112	34.3	2890	1561.2	9.30	9.40	797.8	795	40.5	40.4	388	770	19.5	4.34	.96	.82	9.75	8.50 D
209	0128	1586.0	50.4	202	234	113	34.7	2890	1562.3	9.30	9.40	796.9	796	40.5	40.9	384	771	19.6	4.34	.96	.81	9.75	8.50 D
210	0129	1587.0	62.8	202	232	112	34.4	2890	1563.0	9.30	9.40	796.2	795	40.5	40.9	385	772	19.6	4.34	.90	.75	9.75	8.50 D
211	0131	1588.0	45.4	199	218	112	35.2	2900	1563.4	9.30	9.40	795.8	795	40.5	40.7	382	773	19.6	4.35	.99	.84	9.75	8.50 D
212	0132	1589.0	49.6	207	247	111	35.6	2890	1563.6	9.30	9.40	793.6	793	40.5	40.8	382	774	19.6	4.35	.96	.82	9.76	8.50

ESSO AUST Conger No.1

Data Printed at time 04:46 Date Mar 14 '89
Data Recorded at time 01:33 Date Mar 4 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN	TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT - IN	OUT		m	hr	TW					
213	0133	1590.0	45.2	212	239	111	36.0	2890	1563.6	9.30	9.40	791.8	791	40.5	40.8	380	775	19.6	4.35	.99	.84	9.81	8.50	D
214	0142	1591.0	44.2	205	269	110	34.6	2860	1566.8	9.30	9.40	787.5	760	40.7	41.3	373	776	19.7	4.36	.98	.84	9.78	8.50	D
215	0143	1592.0	48.3	216	247	111	35.0	2850	1567.7	9.30	9.40	786.2	780	40.7	41.0	374	777	19.7	4.36	.96	.82	9.78	8.50	D
216	0144	1593.0	51.4	223	260	111	35.4	2860	1568.6	9.30	9.40	787.9	785	40.7	40.9	374	778	19.7	4.36	.95	.81	9.78	8.50	D
217	0145	1594.0	50.4	227	260	111	35.4	2860	1569.9	9.30	9.40	789.6	788	40.7	41.0	371	779	19.7	4.36	.95	.81	9.78	8.50	D
218	0146	1595.0	55.7	207	257	108	34.7	2860	1570.7	9.30	9.40	790.3	788	40.7	41.0	376	780	19.8	4.37	.92	.78	9.78	8.50	D
219	0148	1596.0	46.9	188	221	109	32.6	2850	1571.7	9.30	9.40	789.9	790	40.7	40.9	372	781	19.8	4.37	.95	.81	9.78	8.50	D
220	0149	1597.0	42.5	172	211	109	31.3	2850	1572.6	9.30	9.40	788.9	788	40.8	40.7	369	782	19.8	4.37	.96	.82	9.78	8.50	D
221	0151	1598.0	38.5	168	204	109	31.0	2830	1573.1	9.30	9.40	789.9	789	40.8	40.8	370	783	19.8	4.37	.98	.84	9.78	8.50	D
222	0152	1599.0	39.1	162	205	109	30.3	2850	1573.1	9.30	9.40	788.0	788	40.8	41.1	369	784	19.9	4.38	.97	.83	9.79	8.50	D
223	0202	1600.0	23.8	175	258	104	30.9	2850	1577.0	9.40	9.40	787.8	748	41.0	41.6	358	785	19.9	4.38	1.09	.95	9.78	8.50	D†
224	0203	1601.0	60.4	235	269	111	33.1	2820	1577.8	9.40	9.40	787.6	776	41.0	41.6	360	786	19.9	4.39	.89	.75	9.78	8.50	D
225	0204	1602.0	51.9	212	248	109	32.6	2820	1578.6	9.40	9.40	789.5	785	41.0	41.4	360	787	20.0	4.39	.92	.78	9.78	8.50	D
226	0205	1603.0	48.9	183	217	108	30.5	2870	1579.7	9.40	9.40	788.1	786	41.0	41.5	359	788	20.0	4.39	.91	.78	9.79	8.50	D
227	0207	1604.0	37.4	196	236	109	31.4	2840	1581.1	9.40	9.40	790.6	790	41.0	41.1	360	789	20.0	4.39	.99	.85	9.79	8.50	D
228	0208	1605.0	67.2	209	237	108	32.6	2840	1581.9	9.40	9.40	793.2	791	41.0	41.1	359	790	20.0	4.39	.85	.71	9.79	8.50	D
229	0209	1606.0	48.3	209	264	106	33.1	2810	1582.8	9.40	9.40	793.6	792	41.1	41.3	357	791	20.0	4.40	.94	.79	9.79	8.50	D
230	0211	1607.0	32.9	204	252	109	33.5	2770	1583.3	9.40	9.40	794.4	793	41.1	41.4	357	792	20.1	4.40	1.04	.90	9.80	8.50	D
231	0213	1608.0	27.3	180	229	109	31.7	2730	1582.6	9.40	9.40	795.3	795	41.2	41.6	354	793	20.1	4.40	1.07	.93	9.82	8.50	D
232	0215	1609.0	26.9	172	200	109	31.0	2750	1583.7	9.40	9.40	796.7	795	41.2	42.2	354	794	20.1	4.41	1.07	.93	9.82	8.50	D
233	0226	1610.0	30.0	204	248	109	34.9	2640	1590.4	9.40	9.40	794.4	789	41.4	41.8	343	795	20.2	4.42	1.08	.93	9.80	8.50	D
234	0228	1611.0	36.4	210	249	110	35.7	2610	1591.3	9.40	9.40	792.3	792	41.4	41.6	340	796	20.3	4.42	1.04	.89	9.80	8.50	D
235	0230	1612.0	28.3	188	208	111	34.1	2600	1591.7	9.40	9.40	794.3	793	41.3	41.5	349	797	20.3	4.42	1.09	.95	9.81	8.50	D
236	0232	1613.0	29.2	184	210	112	33.7	2610	1592.1	9.40	9.40	793.1	793	40.8	41.9	353	798	20.3	4.43	1.08	.94	9.82	8.50	D
237	0234	1614.0	33.7	178	210	113	33.3	2630	1593.3	9.40	9.40	794.8	793	40.6	42.0	361	799	20.4	4.43	1.04	.90	9.82	8.50	D
238	0236	1615.0	26.3	177	213	114	33.5	2640	1595.3	9.40	9.40	793.7	793	40.3	42.1	365	800	20.4	4.44	1.11	.96	9.82	8.50	D
239	0238	1616.0	27.7	169	210	111	32.5	2630	1597.0	9.40	9.40	793.5	793	40.3	42.0	374	801	20.4	4.44	1.08	.94	9.82	8.50	D
240	0240	1617.0	29.0	176	210	114	33.2	2620	1598.6	9.40	9.40	792.5	792	40.2	42.1	381	802	20.5	4.45	1.08	.94	9.82	8.50	D
241	0243	1618.0	21.7	165	203	111	33.2	2610	1600.3	9.40	9.40	794.5	792	40.1	41.7	393	803	20.5	4.45	1.15	1.00	9.82	8.50	D
242	0315	1619.0	33.1	209	250	116	32.0	1620	1606.0	9.40	9.40	524.3	524	40.1	42.1	489	804	20.6	4.45	1.04	.90	9.78	8.50	D
243	0317	1620.0	31.3	231	267	119	33.5	1640	1607.3	9.40	9.40	566.5	550	39.5	40.3	488	805	20.7	4.46	1.08	.93	9.78	8.50	D
244	0318	1621.0	39.3	203	245	118	30.8	1620	1608.0	9.40	9.40	565.5	563	39.5	40.3	487	806	20.7	4.46	.99	.85	9.79	8.50	D
245	0321	1622.0	24.9	223	262	119	33.4	1630	1608.9	9.40	9.40	566.2	564	39.6	40.9	487	807	20.7	4.47	1.14	.99	9.79	8.50	D
246	0322	1623.0	44.3	238	274	118	33.3	1620	1609.3	9.40	9.40	564.3	564	39.7	41.0	486	808	20.7	4.47	.98	.84	9.79	8.50	D
247	0324	1624.0	26.7	232	264	118	34.2	1630	1609.8	9.40	9.40	566.4	565	39.8	41.4	486	809	20.8	4.48	1.12	.98	9.79	8.50	D
248	0326	1625.0	35.7	222	254	119	33.0	1630	1610.4	9.40	9.40	565.1	565	39.9	41.2	485	810	20.8	4.48	1.04	.89	9.80	8.50	D
249	0328	1626.0	35.3	224	248	118	33.1	1640	1610.7	9.40	9.40	566.4	565	39.9	41.1	484	811	20.8	4.48	1.04	.90	9.80	8.50	D
250	0330	1627.0	29.6	226	266	118	33.8	1630	1610.8	9.40	9.40	564.9	565	40.0	41.1	485	812	20.9	4.49	1.09	.95	9.81	8.50	D
251	0331	1628.0	34.8	235	293	118	34.5	1620	1610.8	9.40	9.40	564.9	564	40.1	41.6	481	813	20.9	4.49	1.06	.91	9.81	8.50	D
252	0342	1629.0	32.6	221	328	113	36.3	1630	1612.5	9.40	9.40	564.4	561	40.4	40.6	471	814	21.0	4.50	1.08	.93	9.81	8.50	D
253	0352	1630.0	22.0	193	232	112	35.0	1400	1614.2	9.40	9.40	530.4	477	40.5	42.0	467	815	21.0	4.51	1.17	1.02	9.80	8.50	D†
254	0354	1631.0	33.3	229	262	111	30.4	1400	1614.8	9.40	9.40	535.0	528	40.6	41.4	466	816	21.1	4.51	1.02	.87	9.80	8.50	D
255	0355	1632.0	35.2	234	279	112	30.7	1410	1615.6	9.40	9.40	535.6	534	40.7	41.7	467	817	21.1	4.51	1.00	.86	9.81	8.50	D
256	0357	1633.0	44.1	226	264	112	31.2	1410	1616.0	9.40	9.40	538.2	536	40.7	41.7	465	818	21.1	4.52	.95	.81	9.81	8.50	D
257	0359	1634.0	23.0	211	254	112	31.2	1430	1616.7	9.40	9.40	542.9	542	40.7	42.1	465	819	21.2	4.52	1.11	.97	9.81	8.50	D
258	0401	1635.0	29.9	204	233	112	29.6	1430	1617.4	9.40	9.40	543.9	542	40.8	41.9	462	820	21.2	4.53	1.03	.89	9.81	8.50	D
259	0403	1636.0	36.4	212	251	112	30.6	1440	1618.0	9.40	9.40	544.0	543	40.9	41.6	461	821	21.2	4.53	.99	.85	9.82	8.50	D
260	0405	1637.0	29.3	244	277	112	34.0	1430	1618.6	9.40	9.40	542.6	542	40.9	41.7	462	822	21.3	4.53	1.08	.93	9.82	8.50	D

ESSO AUST Conger No.1

Data Printed at time 04:50 Date Mar 14 '89
Data Recorded at time 04:18 Date Mar 4 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	hr	EST TW	DXC	NXB	ECD	NXMD	
261	0418	1638.0	34.3	251	319	110	35.3	1410	1619.6	9.40	9.40	531.7	517	41.2	41.4	455	823	21.3	4.54	1.05	.90	9.82	8.50	D↑
262	0420	1639.0	28.4	250	280	111	34.5	1420	1619.6	9.40	9.40	532.3	531	41.2	40.9	455	824	21.4	4.55	1.09	.94	9.82	8.50	D
263	0422	1640.0	27.8	236	282	113	36.6	1430	1619.8	9.40	9.40	533.8	532	41.2	41.3	454	825	21.4	4.55	1.12	.97	9.83	8.50	D
264	0425	1641.0	25.2	208	252	115	34.1	1420	1620.0	9.40	9.40	535.4	534	41.2	41.9	455	826	21.4	4.56	1.13	.98	9.83	8.50	D
265	0427	1642.0	20.6	196	245	115	32.9	1430	1620.1	9.40	9.40	536.1	535	41.3	41.9	453	827	21.5	4.56	1.16	1.02	9.84	8.50	D
266	0430	1643.0	29.1	225	270	114	35.5	1430	1620.1	9.40	9.40	536.2	535	41.3	41.9	452	828	21.5	4.57	1.10	.95	9.85	8.50	D
267	0432	1644.0	24.1	217	255	114	35.0	1430	1620.1	9.40	9.40	537.3	536	41.3	42.1	450	829	21.6	4.57	1.14	.99	9.85	8.50	D
268	0433	1645.0	40.0	230	265	114	35.3	1440	1620.5	9.40	9.40	538.5	537	41.4	42.0	449	830	21.6	4.58	1.01	.86	9.86	8.50	D
269	0435	1646.0	36.8	227	264	114	35.4	1440	1621.3	9.40	9.40	538.7	537	41.5	42.0	449	831	21.6	4.58	1.04	.89	9.86	8.50	D
270	0437	1647.0	30.4	208	237	114	33.7	1440	1622.5	9.40	9.40	537.0	536	41.5	42.3	448	832	21.6	4.58	1.07	.92	9.86	8.50	D
271	0447	1648.0	32.8	226	273	113	34.9	1440	1625.4	9.40	9.40	536.6	517	41.6	42.3	443	833	21.7	4.59	1.04	.89	9.84	8.50	D↑
272	0449	1649.0	45.0	251	278	111	36.0	1440	1626.1	9.40	9.40	537.9	534	41.7	41.1	442	834	21.7	4.59	.98	.83	9.85	8.50	D
273	0451	1650.0	21.1	214	259	112	34.4	1440	1627.6	9.40	9.40	538.5	537	41.7	40.9	442	835	21.8	4.60	1.17	1.02	9.84	8.50	D
274	0453	1651.0	33.0	215	251	112	33.3	1440	1628.5	9.40	9.40	543.1	540	41.7	42.0	441	836	21.8	4.60	1.04	.89	9.84	8.50	D
275	0455	1652.0	38.6	226	267	112	34.3	1440	1629.2	9.40	9.40	538.7	539	41.7	42.3	438	837	21.8	4.60	1.01	.86	9.84	8.50	D
276	0456	1653.0	45.9	231	272	111	34.7	1450	1629.7	9.40	9.40	539.6	538	41.7	42.3	439	838	21.8	4.61	.97	.82	9.85	8.50	D
277	0458	1654.0	23.9	212	250	112	33.9	1440	1629.8	9.40	9.40	538.8	538	41.7	42.4	436	839	21.9	4.61	1.13	.98	9.85	8.50	D
278	0500	1655.0	30.6	228	261	112	35.2	1440	1629.8	9.40	9.40	539.9	539	41.7	42.4	436	840	21.9	4.62	1.07	.92	9.86	8.50	D
279	0503	1656.0	22.6	206	257	112	34.0	1450	1630.8	9.40	9.40	539.1	538	41.8	42.4	437	841	22.0	4.62	1.14	.99	9.86	8.50	D
280	0505	1657.0	32.4	218	254	112	34.0	1440	1631.5	9.40	9.40	540.8	539	41.8	42.4	435	842	22.0	4.62	1.05	.90	9.86	8.50	D
281	0517	1658.0	25.8	204	238	109	33.8	2810	1635.3	9.40	9.40	769.5	767	41.9	42.3	423	843	22.1	4.63	1.10	.95	9.86	8.50	D
282	0520	1659.0	23.0	185	228	109	31.7	2880	1637.1	9.40	9.40	776.1	775	42.0	42.5	419	844	22.1	4.64	1.11	.96	9.86	8.50	D
283	0522	1660.0	26.6	191	223	109	32.9	2890	1638.7	9.40	9.40	781.7	780	42.0	42.6	419	845	22.2	4.64	1.09	.94	9.85	8.50	
284	0524	1661.0	26.8	213	251	109	35.1	2890	1639.5	9.40	9.40	781.3	780	42.0	42.7	418	846	22.2	4.65	1.10	.95	9.85	8.50	D
285	0526	1662.0	28.6	201	232	110	33.5	2900	1639.8	9.40	9.40	781.8	781	42.1	42.7	415	847	22.2	4.65	1.07	.92	9.86	8.50	D
286	0528	1663.0	28.8	181	215	110	31.7	2970	1641.2	9.40	9.40	782.0	781	42.1	42.6	417	848	22.3	4.66	1.05	.91	9.86	8.50	D
287	0531	1664.0	22.1	175	211	110	30.7	3050	1642.7	9.40	9.40	803.9	801	42.2	42.5	415	849	22.3	4.66	1.11	.96	9.85	8.50	D
288	0533	1665.0	34.8	192	222	110	32.3	3050	1643.8	9.40	9.40	802.5	802	42.3	42.7	413	850	22.3	4.66	1.01	.86	9.85	8.50	D
289	0535	1666.0	25.0	184	228	110	32.8	3050	1645.4	9.40	9.40	804.3	803	42.4	42.8	414	851	22.4	4.67	1.10	.95	9.85	8.50	D
290	0539	1667.0	16.8	168	205	110	31.6	3050	1648.3	9.40	9.40	804.5	804	42.5	43.0	411	852	22.4	4.68	1.19	1.04	9.84	8.50	D
291	0552	1668.0	21.2	166	210	111	31.2	2980	1652.8	9.40	9.40	794.0	791	42.8	42.2	403	853	22.5	4.68	1.13	.98	9.82	8.50	D
292	0554	1669.0	32.5	188	232	110	32.3	2980	1654.4	9.40	9.40	795.4	793	42.8	42.8	401	854	22.6	4.69	1.03	.89	9.81	8.50	D
293	0556	1670.0	35.9	219	242	110	34.4	2980	1655.6	9.40	9.40	793.7	794	42.8	43.0	401	855	22.6	4.69	1.03	.88	9.81	8.50	D
294	0557	1671.0	37.0	204	232	109	33.4	2980	1656.8	9.40	9.40	795.7	794	42.8	43.2	401	856	22.6	4.70	1.01	.86	9.81	8.50	D
295	0559	1672.0	36.9	223	250	108	35.1	2930	1657.8	9.40	9.40	791.6	792	42.9	43.4	398	857	22.7	4.70	1.02	.87	9.81	8.50	D
296	0601	1673.0	31.8	227	256	108	35.3	2930	1658.7	9.40	9.40	785.9	787	42.9	43.5	399	858	22.7	4.70	1.06	.91	9.81	8.50	D
297	0602	1674.0	45.7	223	266	109	35.4	2870	1658.7	9.40	9.40	787.0	786	42.9	43.6	399	859	22.7	4.70	.97	.82	9.81	8.50	D
298	0604	1675.0	32.0	215	253	108	35.6	2850	1658.7	9.40	9.40	773.7	775	43.0	43.5	397	860	22.7	4.71	1.06	.91	9.82	8.50	D
299	0606	1676.0	23.7	222	289	109	36.0	2850	1659.2	9.40	9.40	773.9	773	43.1	43.9	395	861	22.8	4.71	1.15	.99	9.82	8.50	D
300	0608	1677.0	30.0	224	248	109	36.3	2840	1660.0	9.40	9.40	773.0	772	43.2	43.9	395	862	22.8	4.72	1.09	.93	9.82	8.50	D
301	0622	1678.0	36.8	204	266	99	33.5	2630	1663.5	9.40	9.40	738.6	726	43.4	43.1	388	863	22.9	4.72	.99	.84	9.81	8.50	D↑
302	0624	1679.0	25.8	233	291	118	35.0	2790	1664.4	9.40	9.40	766.4	759	43.4	43.2	384	864	22.9	4.73	.97	.84	11.4	8.50	D
303	0626	1680.0	32.4	245	301	120	36.3	2790	1665.0	9.40	9.40	762.4	762	43.4	43.8	384	865	22.9	4.73	.94	.80	11.4	8.50	D
304	0627	1681.0	34.4	244	290	118	35.8	2800	1665.7	9.40	9.40	766.5	764	43.5	43.8	386	866	22.9	4.73	.92	.78	11.4	8.50	D
305	0629	1682.0	38.3	245	269	120	35.8	2800	1666.5	9.40	9.40	765.3	764	43.5	43.9	383	867	23.0	4.74	.90	.76	11.4	8.50	D
306	0630	1683.0	46.8	249	279	119	36.6	2800	1667.0	9.40	9.40	765.2	764	43.5	44.0	383	868	23.0	4.74	.86	.72	11.4	8.50	D
307	0635	1685.0	38.9	253	336	118	37.5	2840	1667.8	9.40	9.40	772.0	771	43.6	44.2	379	870	23.1	4.75	1.05	.89	9.83	8.50	D
308	0636	1686.0	40.3	239	278	120	39.4	2840	1668.3	9.40	9.40	771.6	770	43.7	44.2	381	871	23.1	4.76	1.06	.90	9.83	8.50	

ESSO AUST Conger No.1

Data Printed at time 04:55 Date Mar 14 '89
Data Recorded at time 06:41 Date Mar 4 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	hr	EST TW	DXC	NXB	ECD	NXMD	
311	0652	1688.0	24.4	197	313	112	32.1	2840	1668.8	9.40	9.40	771.0	768	43.9	43.7	369	873	23.2	4.77	1.11	.95	9.84	8.50	D
312	0656	1689.0	17.7	183	245	112	31.9	2840	1668.8	9.40	9.40	770.1	770	43.9	44.6	371	874	23.3	4.77	1.18	1.03	9.84	8.50	D
313	0659	1690.0	19.0	172	194	110	31.5	2860	1668.8	9.40	9.40	768.5	768	43.4	44.1	387	875	23.3	4.78	1.16	1.01	9.85	8.50	D
314	0702	1691.0	20.8	163	189	109	31.1	2870	1668.8	9.40	9.40	772.2	771	43.1	44.5	396	876	23.4	4.79	1.13	.98	9.86	8.50	D
315	0705	1692.0	17.2	162	194	108	31.6	2930	1668.8	9.40	9.40	775.0	772	43.0	44.8	408	877	23.4	4.79	1.18	1.03	9.86	8.50	D
316	0710	1693.0	14.3	165	208	110	31.6	2940	1668.8	9.40	9.40	775.1	774	42.8	44.8	422	878	23.5	4.80	1.23	1.08	9.87	8.50	D
317	0714	1694.0	15.5	162	203	113	31.9	2930	1668.8	9.40	9.40	779.6	778	42.8	44.9	433	879	23.6	4.81	1.22	1.06	9.87	8.50	D
318	0717	1695.0	17.6	170	195	113	32.2	2840	1668.8	9.40	9.40	763.3	766	42.8	44.7	450	880	23.6	4.81	1.19	1.03	9.88	8.50	D
319	0721	1696.0	15.3	162	199	115	31.4	2810	1668.8	9.40	9.40	761.1	761	43.0	44.8	449	881	23.7	4.82	1.22	1.06	9.89	8.50	D
320	0725	1697.0	15.5	162	206	117	31.8	2790	1668.8	9.40	9.40	761.9	761	43.6	44.7	446	882	23.7	4.83	1.22	1.07	9.89	8.50	D
321	0737	1698.0	13.9	170	233	118	32.1	2650	1682.7	9.40	9.40	744.2	736	44.2	44.3	445	883	23.9	4.84	1.23	1.07	9.81	8.50	D
322	0740	1699.0	28.3	238	325	119	33.5	2680	1683.3	9.40	9.40	749.9	747	44.3	45.0	443	884	23.9	4.85	1.10	.94	9.81	8.50	D
323	0742	1700.0	31.5	240	286	119	35.1	2790	1683.9	9.40	9.40	766.0	760	44.3	45.0	442	885	23.9	4.85	1.09	.93	9.82	8.50	D
324	0744	1701.0	25.9	219	260	119	34.3	2790	1684.6	9.40	9.40	764.9	764	44.4	44.9	440	886	24.0	4.85	1.13	.97	9.82	8.50	D
325	0746	1702.0	29.5	204	250	138	33.2	2930	1685.3	9.40	9.40	786.4	782	44.5	44.6	439	887	24.0	4.86	1.12	.96	9.82	8.50	D
326	0748	1703.0	28.4	214	274	139	34.2	2920	1686.0	9.40	9.40	787.0	786	44.5	44.7	441	888	24.0	4.87	1.14	.98	9.82	8.50	D
327	0749	1704.0	35.7	218	260	139	33.6	2920	1686.5	9.40	9.40	784.8	784	44.6	44.8	439	889	24.1	4.87	1.08	.92	9.83	8.50	D
328	0751	1705.0	33.8	219	253	139	34.1	2920	1686.9	9.40	9.40	784.2	784	44.6	44.8	439	890	24.1	4.88	1.10	.94	9.83	8.50	D
329	0753	1706.0	28.5	209	237	139	33.2	2930	1687.5	9.40	9.40	784.2	783	44.7	44.8	438	891	24.1	4.88	1.13	.97	9.83	8.50	D
330	0755	1707.0	29.8	215	244	139	33.2	2920	1687.9	9.40	9.40	786.2	785	44.7	44.7	438	892	24.2	4.89	1.12	.96	9.84	8.50	D
331	0807	1708.0	32.7	226	300	132	36.3	2960	1690.1	9.40	9.40	791.3	787	44.8	44.1	432	893	24.3	4.90	1.12	.95	9.83	8.50	D
332	0810	1709.0	24.5	205	279	136	34.9	2960	1690.8	9.40	9.40	789.0	788	44.7	44.8	434	894	24.3	4.91	1.18	1.02	9.83	8.50	D
333	0812	1710.0	25.8	191	218	136	33.9	2960	1691.3	9.40	9.40	787.1	786	44.7	45.1	429	895	24.3	4.92	1.16	1.00	9.83	8.50	D
334	0814	1711.0	36.4	194	222	136	33.8	2960	1691.8	9.40	9.40	786.1	785	44.7	45.2	428	896	24.4	4.92	1.07	.91	9.84	8.50	D
335	0817	1712.0	22.3	180	229	137	33.0	2960	1692.5	9.40	9.40	787.2	786	44.8	45.2	427	897	24.4	4.93	1.19	1.02	9.84	8.50	D
336	0819	1713.0	26.0	191	218	134	33.7	2970	1692.7	9.40	9.40	787.1	786	44.8	45.2	426	898	24.4	4.93	1.15	.99	9.84	8.50	D
337	0821	1714.0	31.5	195	222	135	33.5	2960	1692.7	9.40	9.40	789.1	787	44.8	45.3	423	899	24.5	4.94	1.10	.94	9.85	8.50	D
338	0823	1715.0	26.7	193	252	135	33.5	2960	1692.8	9.40	9.40	788.3	787	44.9	45.5	420	900	24.5	4.95	1.14	.98	9.85	8.50	D
339	0825	1716.0	30.4	196	248	134	34.1	2970	1693.6	9.40	9.40	787.6	787	44.9	45.6	419	901	24.5	4.95	1.11	.95	9.85	8.50	D
340	0837	1717.0	26.9	216	270	134	35.0	2970	1697.8	9.40	9.40	784.7	777	45.1	45.5	411	902	24.7	4.97	1.16	.99	9.84	8.50	D
341	0840	1718.0	23.6	204	244	136	33.6	2970	1699.4	9.40	9.40	789.9	788	45.2	46.0	409	903	24.7	4.97	1.18	1.01	9.83	8.50	D
342	0841	1719.0	37.9	217	246	139	33.9	2980	1700.2	9.40	9.40	788.0	787	45.2	46.1	408	904	24.7	4.98	1.07	.90	9.83	8.50	D
343	0843	1720.0	33.3	211	239	139	35.6	2980	1701.0	9.40	9.40	789.7	788	45.3	45.8	408	905	24.8	4.98	1.12	.95	9.83	8.50	D
344	0844	1721.0	40.1	211	232	139	34.3	2980	1701.8	9.40	9.40	790.5	789	45.4	45.9	407	906	24.8	4.99	1.06	.89	9.84	8.50	D
345	0846	1722.0	37.8	224	255	139	36.0	2970	1702.4	9.40	9.40	789.4	789	45.4	46.1	408	907	24.8	4.99	1.09	.92	9.84	8.50	D
346	0847	1723.0	39.8	222	251	139	35.7	2970	1702.4	9.40	9.40	790.2	789	45.5	46.2	406	908	24.8	5.00	1.07	.90	9.84	8.50	D
347	0849	1724.0	41.7	219	246	139	34.7	2980	1702.4	9.40	9.40	789.8	789	45.5	46.3	411	909	24.9	5.00	1.05	.88	9.85	8.50	D
348	0850	1725.0	39.9	224	254	139	35.1	2980	1702.4	9.40	9.40	789.0	789	45.6	46.1	407	910	24.9	5.01	1.06	.89	9.86	8.50	D
349	0902	1726.0	28.7	218	264	138	35.8	2920	1705.4	9.40	9.40	781.7	775	45.7	45.5	398	911	25.0	5.02	1.15	.98	9.84	8.50	D
350	0904	1727.0	37.4	223	253	136	36.9	2940	1706.1	9.40	9.40	785.3	783	45.7	45.8	396	912	25.0	5.02	1.09	.92	9.85	8.50	D
351	0905	1728.0	37.2	204	231	136	34.7	2940	1706.8	9.40	9.40	783.5	782	45.7	46.1	392	913	25.0	5.03	1.07	.90	9.85	8.50	D
352	0908	1729.0	26.0	206	237	136	36.1	2940	1707.6	9.40	9.40	785.1	784	45.7	46.3	393	914	25.1	5.04	1.18	1.01	9.85	8.50	D
353	0909	1730.0	39.2	207	240	136	36.0	2940	1708.4	9.40	9.40	783.7	783	45.7	46.2	392	915	25.1	5.04	1.07	.90	9.85	8.50	D
354	0912	1731.0	20.2	191	217	136	35.2	2940	1709.7	9.40	9.40	785.3	784	45.8	46.1	393	916	25.1	5.05	1.23	1.06	9.85	8.50	D
355	0914	1732.0	35.4	202	227	136	35.0	2950	1710.4	9.40	9.40	783.4	783	45.8	46.0	391	917	25.2	5.05	1.09	.92	9.85	8.50	D
356	0916	1733.0	29.1	198	224	136	34.7	2950	1711.2	9.40	9.40	786.8	784	45.9	46.3	392	918	25.2	5.06	1.13	.97	9.85	8.50	D
357	0918	1734.0	25.3	203	223	136	34.9	2950	1710.9	9.40	9.40	782.9	782	45.9	46.4	393	919	25.2	5.06	1.17	1.00	9.86	8.50	D
358	0920	1735.0	31.4	197	229	136	34.3	2940	1710.8	9.40	9.40	786.1	785	46.0	46.5	392	920	25.3	5.07	1.11	.94	9.86	8.50	D

ESSO AUST Conger No.1

Data Printed at time 05:00 Date Mar 14 '89
Data Recorded at time 09:31 Date Mar 4 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
359	0931	1736.0	35.0	228	283	139	35.9	2860	1713.7	9.40	9.40	770.8	769	46.0	46.0	387	921	25.3	5.08	1.10	.93	9.85	8.50	D
360	0936	1738.0	26.4	197	227	139	33.4	2990	1716.6	9.40	9.40	791.6	790	46.0	46.8	381	923	25.4	5.09	1.15	.98	9.85	8.50	D
361	0938	1739.0	29.9	222	245	139	35.2	2990	1717.9	9.40	9.40	789.3	788	46.0	46.7	383	924	25.5	5.10	1.14	.97	9.85	8.50	D
362	0940	1740.0	34.7	212	237	139	34.5	3000	1719.0	9.40	9.40	788.4	787	46.1	46.5	383	925	25.5	5.11	1.09	.92	9.85	8.50	D
363	0942	1741.0	27.1	204	229	139	33.7	2990	1720.2	9.40	9.40	790.0	789	46.1	46.5	381	926	25.5	5.11	1.15	.98	9.84	8.50	D
364	0944	1742.0	30.2	199	225	139	32.5	3000	1720.5	9.40	9.40	790.5	789	46.2	46.7	380	927	25.6	5.12	1.11	.94	9.85	8.50	D
365	0946	1743.0	35.7	214	245	139	33.7	3000	1720.5	9.40	9.40	790.2	789	46.2	46.8	379	928	25.6	5.12	1.08	.91	9.85	8.50	D
366	0947	1744.0	33.9	225	265	139	34.9	3000	1720.5	9.40	9.40	790.0	789	46.3	46.9	376	929	25.6	5.13	1.10	.93	9.86	8.50	D
367	0958	1745.0	29.8	219	264	137	33.2	2980	1723.8	9.40	9.40	783.1	765	45.1	46.3	393	930	25.7	5.14	1.12	.95	9.85	8.50	D↑
368	1000	1746.0	29.9	241	275	131	34.8	2990	1724.8	9.40	9.40	785.0	782	44.9	46.4	397	931	25.7	5.14	1.12	.95	9.85	8.50	D
369	1016	1747.0	28.9	204	268	138	34.2	3040	1729.4	9.40	9.40	771.9	743	44.1	46.2	456	932	25.9	5.15	1.11	.94	9.82	8.50	D↑
370	1018	1748.0	34.0	221	257	138	32.2	2940	1729.9	9.40	9.40	774.7	769	44.0	46.3	445	933	25.9	5.15	1.08	.91	9.83	8.50	D
371	1020	1749.0	32.4	238	271	138	34.6	3040	1729.9	9.40	9.40	785.5	783	44.0	46.2	425	934	25.9	5.16	1.11	.94	9.83	8.50	D
372	1022	1750.0	33.6	245	274	138	36.9	2980	1729.9	9.40	9.40	785.9	784	43.9	46.1	423	935	26.0	5.17	1.12	.95	9.84	8.50	D
373	1025	1751.0	21.2	220	257	138	35.6	2970	1731.1	9.40	9.40	778.8	779	43.7	46.2	430	936	26.0	5.17	1.23	1.06	9.84	8.50	D
374	1027	1752.0	30.0	215	244	139	34.2	2970	1732.0	9.40	9.40	779.7	778	43.7	46.1	434	937	26.1	5.18	1.13	.96	9.84	8.50	D
375	1029	1753.0	25.0	208	244	139	33.7	2970	1732.9	9.40	9.40	779.5	778	43.8	46.1	434	938	26.1	5.19	1.17	1.00	9.84	8.50	D
376	1031	1754.0	34.1	242	267	138	36.0	2960	1733.8	9.40	9.40	779.4	778	44.1	46.1	433	939	26.1	5.19	1.11	.94	9.84	8.50	D
377	1041	1755.0	21.1	224	266	138	35.9	2990	1737.3	9.40	9.40	782.6	756	45.0	45.7	428	940	26.2	5.20	1.19	1.02	9.82	8.50	D↑
378	1042	1756.0	34.1	234	270	131	35.5	2990	1738.3	9.40	9.40	786.2	781	45.2	45.8	426	941	26.2	5.21	1.10	.92	9.82	8.50	D
379	1044	1757.0	28.8	219	258	130	33.5	2990	1739.3	9.40	9.40	786.5	785	45.2	46.5	425	942	26.3	5.21	1.12	.94	9.84	8.50	D
380	1046	1758.0	29.4	226	257	130	33.9	2990	1739.8	9.40	9.40	786.7	786	45.3	46.5	424	943	26.3	5.22	1.12	.94	9.83	8.50	D
381	1049	1759.0	27.1	223	242	130	34.1	2970	1739.7	9.40	9.40	785.1	785	45.4	46.1	422	944	26.3	5.22	1.14	.97	9.83	8.5	C
382	1050	1760.0	38.1	226	249	128	33.0	2990	1739.6	9.40	9.40	787.7	786	45.5	46.0	423	945	26.4	5.22	1.04	.87	9.84	8.50	D
383	1052	1761.0	30.1	235	270	130	33.3	2990	1740.7	9.40	9.40	784.8	785	45.2	46.1	429	946	26.4	5.23	1.10	.93	9.84	8.50	D
384	1053	1762.0	43.2	240	278	131	33.6	2990	1741.3	9.40	9.40	784.8	784	45.1	46.4	432	947	26.4	5.23	1.02	.84	9.84	8.50	D
385	1056	1763.0	27.3	229	270	130	33.1	2990	1741.6	9.40	9.40	785.9	784	45.0	46.7	435	948	26.5	5.24	1.12	.95	9.84	8.50	D
386	1058	1764.0	29.2	236	262	129	32.6	2990	1741.6	9.40	9.40	784.7	784	45.0	46.4	436	949	26.5	5.24	1.10	.93	9.85	8.50	D
387	1109	1765.0	32.6	222	270	135	33.2	3010	1743.2	9.40	9.40	784.5	774	44.6	46.4	447	950	26.6	5.25	1.09	.92	9.85	8.50	D↑
388	1110	1766.0	37.4	242	281	141	34.6	3010	1744.1	9.40	9.40	785.0	782	44.8	46.5	447	951	26.6	5.26	1.08	.90	9.85	8.50	D
389	1112	1767.0	32.1	214	244	141	32.6	3010	1745.1	9.40	9.40	786.3	785	45.0	46.8	455	952	26.6	5.26	1.10	.93	9.85	8.50	D
390	1114	1768.0	37.0	234	254	141	33.9	2960	1745.5	9.40	9.40	779.8	782	44.6	46.8	462	953	26.6	5.27	1.08	.90	9.85	8.50	D
391	1115	1769.0	57.6	241	268	141	34.2	3000	1746.0	9.40	9.40	781.9	780	44.6	46.8	464	954	26.7	5.27	.97	.79	9.85	8.50	D
392	1117	1770.0	28.5	238	275	141	34.8	3010	1746.8	9.40	9.40	783.9	783	44.4	46.7	474	955	26.7	5.27	1.15	.97	9.86	8.50	D
393	1118	1771.0	39.0	219	253	141	33.4	3020	1747.5	9.40	9.40	783.8	783	44.3	46.5	481	956	26.7	5.28	1.06	.88	9.86	8.50	D
394	1120	1772.0	31.5	213	255	141	33.0	3000	1748.5	9.40	9.40	784.7	783	44.1	46.4	490	957	26.7	5.28	1.11	.93	9.86	8.50	D
395	1122	1773.0	33.6	210	229	141	31.9	3010	1749.2	9.40	9.40	781.9	782	44.1	46.3	496	958	26.8	5.29	1.08	.91	9.86	8.50	D
396	1124	1774.0	29.2	199	219	142	30.6	3000	1749.5	9.40	9.40	781.7	781	44.1	46.3	503	959	26.8	5.30	1.10	.93	9.86	8.50	D
397	1137	1775.0	19.7	190	232	136	32.6	3040	1752.4	9.40	9.40	787.0	785	43.4	46.3	549	960	26.9	5.31	1.21	1.03	9.89	8.50	D
398	1139	1776.0	33.4	205	233	138	33.2	3040	1753.3	9.40	9.40	785.0	785	43.5	46.6	550	961	26.9	5.31	1.08	.91	9.89	8.50	D
399	1142	1777.0	32.2	208	243	137	33.3	3030	1755.1	9.40	9.40	785.0	784	44.0	46.6	550	962	27.0	5.32	1.09	.92	9.89	8.50	D
400	1144	1778.0	26.8	208	235	138	33.8	3010	1756.3	9.40	9.40	786.2	785	44.2	46.7	549	963	27.0	5.33	1.15	.97	9.88	8.50	D
401	1146	1779.0	38.9	223	248	138	33.4	3000	1757.5	9.40	9.40	788.3	786	44.6	46.5	550	964	27.1	5.33	1.05	.87	9.88	8.50	D
402	1148	1780.0	34.2	234	266	138	34.2	2990	1758.4	9.40	9.40	787.4	786	44.8	46.4	548	965	27.1	5.34	1.09	.91	9.88	8.50	D
403	1150	1781.0	36.4	223	265	138	33.5	2990	1759.1	9.50	9.40	786.9	786	45.0	46.5	548	966	27.1	5.34	1.07	.89	9.88	8.50	D
404	1152	1782.0	24.6	221	269	138	33.4	2980	1759.3	9.50	9.40	785.8	785	45.2	46.4	547	967	27.2	5.35	1.16	.99	9.89	8.50	D
405	1202	1783.0	24.0	209	256	139	29.7	2910	1761.5	9.50	9.40	773.5	769	45.8	46.2	543	968	27.2	5.36	1.13	.96	9.89	8.50	D
406	1204	1784.0	26.6	218	255	139	30.4	2910	1762.9	9.50	9.40	776.9	775	45.9	46.0	545	969	27.3	5.36	1.11	.94	9.89	8.50	D

ESSO AUST Conger No.1 Data Printed at time 05:05 Date Mar 14 '89
Data Recorded at time 12:07 Date Mar 4 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD
407	1207	1785.0	27.1	213	248	139	30.2	3020	1764.3	9.50	9.40	791.4	787	46.0	46.0	545	970	27.3	5.37	1.11	.94	9.90	8.50 D
408	1209	1786.0	28.1	221	262	139	31.2	3020	1765.6	9.50	9.40	790.3	790	46.0	45.8	545	971	27.3	5.37	1.11	.94	9.90	8.50 D
409	1211	1787.0	27.3	212	244	139	30.9	3020	1766.9	9.50	9.40	790.7	790	46.1	43.9	551	972	27.4	5.38	1.11	.94	9.90	8.50 D
410	1213	1788.0	33.9	216	263	139	30.5	3010	1767.8	9.50	9.40	791.0	790	46.1	42.9	555	973	27.4	5.39	1.05	.88	9.91	8.50 D
411	1215	1789.0	27.9	225	263	139	31.1	3060	1768.7	9.50	9.40	790.3	789	46.1	43.1	562	974	27.4	5.39	1.11	.93	9.91	8.50 D
412	1216	1790.0	33.0	240	290	139	30.9	3020	1769.1	9.50	9.40	789.2	789	46.1	45.1	560	975	27.5	5.40	1.06	.89	9.92	8.50 D
413	1218	1791.0	35.2	226	259	139	30.9	3030	1769.1	9.50	9.40	789.0	789	46.0	45.7	558	976	27.5	5.40	1.05	.87	9.93	8.50 D
414	1228	1792.0	24.5	221	251	139	30.9	2950	1770.7	9.50	9.40	777.5	713	45.8	46.0	549	977	27.6	5.41	1.13	.96	9.94	8.50 D†
415	1230	1793.0	31.9	225	258	139	30.7	3000	1771.6	9.50	9.40	782.7	774	45.7	46.1	549	978	27.6	5.41	1.07	.90	9.94	8.50 D
416	1232	1794.0	33.0	225	260	139	31.1	3040	1772.0	9.50	9.40	792.0	789	45.7	46.1	548	979	27.6	5.42	1.06	.89	9.96	8.50 D
417	1234	1795.0	26.3	217	255	139	30.7	3050	1772.7	9.50	9.40	793.9	792	45.8	46.1	546	980	27.7	5.43	1.11	.94	9.96	8.50 D
418	1236	1796.0	31.7	213	244	140	30.1	3050	1773.8	9.50	9.40	794.3	793	45.8	45.9	545	981	27.7	5.43	1.06	.89	9.96	8.50 D
419	1238	1797.0	38.4	215	249	140	29.7	3050	1774.7	9.50	9.40	794.8	794	45.8	45.7	545	982	27.7	5.43	1.01	.84	9.97	8.50 D
420	1240	1798.0	32.0	224	258	139	30.8	3050	1775.7	9.50	9.40	793.0	792	45.9	45.7	545	983	27.8	5.44	1.07	.89	9.97	8.50 D
421	1241	1799.0	33.9	234	272	139	31.3	3050	1776.6	9.50	9.40	791.2	791	45.9	45.8	543	984	27.8	5.44	1.06	.88	9.98	8.50 D
422	1243	1800.0	31.2	221	263	137	32.5	3060	1777.0	9.50	9.40	794.5	792	45.9	45.9	542	985	27.8	5.45	1.08	.91	9.99	8.50 D
423	1245	1801.0	29.0	207	246	136	30.6	3060	1777.0	9.50	9.40	795.6	794	45.9	46.1	542	986	27.9	5.45	1.08	.91	9.99	8.50 D
424	1247	1802.0	28.8	215	246	134	30.5	3060	1777.2	9.50	9.40	792.7	793	45.9	46.5	542	987	27.9	5.46	1.08	.90	10.0	8.50 D
425	1304	1803.0	28.0	205	263	136	30.1	3060	1781.7	9.50	9.40	772.9	642	45.9	47.2	538	988	28.1	5.47	1.08	.91	9.98	8.50 D
426	1306	1804.0	29.4	204	238	136	29.6	3030	1782.7	9.50	9.40	790.0	778	45.8	46.7	538	989	28.1	5.47	1.07	.89	9.98	8.50 D
427	1309	1805.0	26.4	217	258	136	30.6	3030	1783.8	9.50	9.40	790.2	789	45.9	47.1	538	990	28.1	5.48	1.11	.93	9.98	8.50 D
428	1310	1806.0	31.6	210	253	137	30.2	3040	1784.8	9.50	9.40	790.5	790	45.9	46.8	537	991	28.2	5.48	1.06	.88	9.98	8.50 D
429	1312	1807.0	34.0	222	260	135	31.0	3050	1785.8	9.50	9.40	790.2	790	45.9	46.5	538	992	28.2	5.49	1.05	.87	9.98	8.50 D
430	1314	1808.0	31.6	223	261	138	30.6	3040	1786.6	9.50	9.40	793.0	792	46.0	46.6	538	993	28.2	5.49	1.06	.89	9.98	8.50 D
431	1316	1809.0	31.9	229	264	135	30.6	3050	1786.7	9.50	9.40	793.3	792	46.0	46.6	537	994	28.2	5.50	1.06	.88	9.98	8.50 D
432	1318	1810.0	31.8	224	253	136	30.5	3050	1787.6	9.50	9.40	793.8	792	46.1	46.5	537	995	28.3	5.50	1.06	.88	9.98	8.50 D
433	1319	1811.0	36.5	239	273	136	30.6	3050	1787.8	9.50	9.40	793.4	792	46.2	46.5	537	996	28.3	5.51	1.02	.85	9.99	8.50 D
434	1330	1812.0	30.2	237	299	134	30.7	3060	1791.2	9.50	9.40	794.5	747	46.2	46.3	536	997	28.4	5.51	1.07	.89	9.98	8.50 D†
435	1333	1813.0	20.9	209	234	135	29.5	2940	1792.7	9.50	9.40	774.4	777	46.2	46.3	536	998	28.4	5.52	1.15	.97	9.97	8.50 D
436	1335	1814.0	27.1	218	254	136	30.6	2930	1793.8	9.50	9.40	779.9	778	46.2	46.3	535	999	28.5	5.53	1.10	.92	9.97	8.50 D
437	1338	1815.0	16.8	220	250	136	30.8	2930	1795.7	9.50	9.40	779.0	778	46.2	46.2	536	1000	28.5	5.53	1.22	1.04	9.97	8.50 D
438	1342	1816.0	16.5	216	253	135	29.3	2930	1797.4	9.50	9.40	778.9	778	46.2	45.9	536	1001	28.6	5.54	1.20	1.03	9.96	8.50 D
439	1344	1817.0	23.2	236	264	135	30.9	2950	1798.0	9.50	9.40	778.5	777	46.2	46.1	537	1002	28.6	5.55	1.14	.96	9.96	8.50 D
440	1347	1818.0	24.9	237	280	136	31.0	2960	1798.0	9.50	9.40	777.5	777	46.2	46.1	537	1003	28.7	5.55	1.12	.95	9.97	8.50 D
441	1348	1819.0	38.4	238	280	137	30.4	2950	1798.0	9.50	9.40	776.1	776	46.2	46.2	538	1004	28.7	5.56	1.01	.84	9.98	8.50 D
442	1350	1820.0	34.1	234	269	136	30.5	2950	1798.1	9.50	9.40	777.0	775	46.2	46.2	537	1005	28.7	5.56	1.04	.87	9.98	8.50 D
443	1352	1821.0	30.7	237	272	136	30.8	2950	1798.6	9.50	9.40	778.0	777	46.3	46.4	536	1006	28.7	5.57	1.07	.89	9.98	8.50 D
444	1354	1822.0	25.0	247	314	136	31.2	2950	1799.7	9.50	9.40	776.5	777	46.3	46.4	536	1007	28.8	5.57	1.12	.95	9.98	8.50 D
+ Drill to 1822m. Circulate hole clean and POOH.																							
+ NB#4 HTC J11 12.25" with 3x16. Start depth 1822m.																							
	Date	Mar 5 '89																					
451	0104	1823.0	6.68	145	231	115	17.6	2850	1822.0	9.40	9.40	741.7	741	34.5	39.7	390	1008	.2	.07	1.23	1.23	9.76	8.50 D
452	0109	1824.0	13.1	217	276	115	27.6	2820	1822.0	9.40	9.40	743.7	742	35.5	39.5	388	1009	.2	.11	1.22	1.22	9.76	8.50 D
453	0113	1825.0	15.1	211	251	115	30.5	2880	1822.0	9.40	9.40	756.7	754	36.3	40.0	369	1010	.3	.15	1.22	1.22	9.77	8.50 D
454	0117	1826.0	15.1	215	271	115	32.0	2930	1822.0	9.40	9.40	759.4	757	36.6	38.9	335	4.00	.3	.15	1.24	1.23	9.78	8.50 D
455	0202	1827.0	22.6	191	271	115	32.9	2900	1822.0	9.40	9.40	766.6	758	36.8	41.1	336	4.97	.4	.15	1.15	1.14	9.78	8.50 D†
456	0204	1828.0	21.9	244	303	117	40.5	2920	1822.1	9.40	9.40	770.0	767	37.1	40.7	332	5.99	.5	.15	1.23	1.22	9.79	8.50 D
457	0206	1829.0	43.8	257	305	115	41.5	2930	1822.2	9.40	9.40	772.9	771	37.3	40.8	328	7.00	.5	.15	1.05	1.04	9.79	8.50 D

ESSO AUST Conger No.1

Data Printed at time 05:09 Date Mar 14 '89
Data Recorded at time 02:08 Date Mar 5 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
458	0208	1830.0	22.3	215	273	116	39.7	2920	1822.4	9.40	9.40	772.0	771	37.8	41.0	320	7.98	.5	.15	1.22	1.21	9.80	8.50	D
459	0211	1831.0	24.2	202	237	113	39.5	2910	1822.6	9.40	9.40	772.0	771	38.1	41.1	322	8.96	.6	.15	1.19	1.18	9.80	8.50	D
460	0212	1832.0	56.7	216	263	111	39.6	2920	1822.8	9.40	9.40	771.6	771	38.3	41.1	322	9.99	.6	.15	.96	.95	9.81	8.50	D
461	0213	1833.0	72.6	194	239	112	39.1	2930	1822.9	9.40	9.40	771.5	770	38.3	41.1	320	11.0	.6	.15	.89	.88	9.81	8.50	D
462	0223	1834.0	68.9	204	258	115	33.3	2910	1824.4	9.40	9.40	773.0	770	39.6	41.0	313	12.0	.7	.15	.86	.86	9.80	8.50	D
463	0224	1835.0	79.2	210	251	114	33.6	2920	1824.5	9.40	9.40	772.1	771	39.8	41.2	312	13.0	.7	.15	.83	.82	9.81	8.50	D
464	0225	1836.0	65.7	212	270	114	33.7	2920	1824.9	9.40	9.40	770.8	770	39.8	41.2	313	14.0	.7	.15	.88	.87	9.81	8.50	D
465	0226	1387.0	54.1	213	253	114	34.6	2910	1825.3	9.40	9.40	771.6	770	39.9	41.0	311	15.0	.7	.15	.94	.93	9.81	8.50	D
466	0227	1838.0	57.2	212	250	115	35.3	2910	1825.6	9.40	9.40	772.2	771	40.0	41.0	312	16.0	.7	.15	.93	.92	9.82	8.50	D
467	0228	1839.0	71.4	216	274	114	35.6	2920	1825.7	9.40	9.40	771.9	771	40.0	41.0	311	17.0	.8	.15	.87	.86	9.82	8.50	D
468	0236	1840.0	42.9	217	255	114	35.8	2960	1826.5	9.40	9.40	381.6	188	40.3	41.2	369	19.0	.8	.15	1.01	1.00	9.74	8.50	D*
469	0247	1841.0	109	217	255	117	30.1	2880	1826.8	9.40	9.40	767.0	739	38.8	41.6	350	18.9	.9	.15	.73	.72	9.83	8.50	D↑
470	0248	1842.0	93.2	198	236	118	28.5	2880	1826.8	9.40	9.40	766.1	753	38.7	41.3	348	20.0	.9	.15	.68	.70	9.84	8.50	D
471	0249	1844.0	103	188	266	117	29.4	2880	1826.8	9.40	9.40	767.5	765	38.6	40.9	346	22.0	.9	.15	.72	.71	9.85	8.50	D
472	0250	1845.0	79.9	178	240	117	28.4	2880	1826.8	9.40	9.40	765.6	765	38.6	40.9	349	23.0	.9	.15	.79	.78	9.85	8.50	D
473	0251	1846.0	67.6	182	204	118	28.8	2890	1826.8	9.40	9.40	764.7	764	38.6	40.6	349	24.0	.9	.15	.84	.83	9.86	8.50	D
474	0252	1847.0	69.1	186	216	118	29.2	2880	1826.8	9.40	9.40	764.2	764	38.6	40.6	352	25.0	.9	.15	.83	.83	9.87	8.50	D
475	0253	1848.0	51.8	179	232	116	29.3	2880	1826.8	9.40	9.40	766.9	765	38.6	40.1	353	26.0	1.0	.15	.90	.89	9.87	8.50	D
476	0312	1849.0	7.11	154	219	108	35.7	2360	1830.8	9.40	9.40	721.1	705	38.2	38.8	402	27.0	1.1	.16	1.45	1.44	9.86	8.50	D↑
477	0315	1850.0	9.38	173	203	119	38.3	2370	1832.7	9.40	9.40	683.2	684	38.0	40.5	407	28.0	1.1	.16	1.43	1.42	9.85	8.50	D-
478	0407	1851.0	15.7	146	192	118	38.9	2010	1846.8	9.40	9.40	627.8	627	37.2	32.9	484	29.0	1.3	.16	1.31	1.30	9.76	8.50	D
479	0415	1852.0	8.35	138	184	119	39.6	2630	1848.5	9.40	9.40	721.9	703	36.8	39.4	490	30.0	1.4	.16	1.49	1.48	9.77	8.50	D
480	0423	1853.0	7.53	154	236	119	35.1	2410	1848.5	9.40	9.40	678.3	677	36.8	38.8	497	31.0	1.6	.16	1.46	1.45	9.77	8.50	
481	0427	1854.0	13.2	169	261	117	37.3	2450	1850.1	9.40	9.40	705.8	703	37.0	38.5	503	32.0	1.7	.16	1.34	1.33	9.77	8.50	D
482	0429	1855.0	32.2	185	262	115	35.8	2070	1850.2	9.40	9.40	665.2	679	37.1	38.7	507	33.0	1.7	.16	1.09	1.08	9.77	8.50	D
483	0436	1856.0	14.0	200	534	104	31.7	2640	1850.2	9.50	9.40	678.1	661	37.4	39.0	511	34.0	1.8	.16	1.23	1.23	9.78	8.50	D↑
484	0444	1857.0	20.1	155	683	103	8.47	2220	1850.2	9.50	9.40	673.0	667	38.0	38.6	504	35.0	1.8	.16	.82	.82	9.79	8.50	D
485	0451	1858.0	7.91	154	236	113	30.8	2210	1850.2	9.50	9.40	673.4	672	38.5	38.6	491	36.0	1.9	.17	1.38	1.37	9.81	8.50	D
486	0456	1859.0	10.7	169	285	113	30.7	2210	1851.3	9.50	9.40	672.9	672	38.7	38.7	481	37.0	2.0	.17	1.30	1.29	9.82	8.50	D
487	0505	1860.0	7.45	142	201	112	31.1	2210	1852.3	9.50	9.40	674.1	673	38.9	38.7	473	38.0	2.2	.17	1.39	1.38	9.83	8.50	D
488	0538	1861.0	11.0	151	295	114	32.2	2360	1856.8	9.50	9.40	710.1	714	38.5	38.2	455	38.9	2.3	.17	1.30	1.30	9.87	8.50	D
489	0602	1862.0	2.43	152	263	104	39.9	2040	1860.4	9.50	9.40	638.5	638	37.5	38.0	492	40.0	2.7	.17	1.77	1.77	9.85	8.50	D
490	0620	1863.0	3.42	143	419	71	39.8	2300	1860.6	9.50	9.40	684.5	685	37.3	37.7	516	41.0	3.0	.18	1.58	1.58	9.86	8.50	D
491	0642	1864.0	3.31	212	473	67	39.9	2480	1861.7	9.50	9.40	687.1	686	37.2	37.5	501	42.0	3.4	.18	1.57	1.58	9.86	8.50	D
492	0659	1865.0	3.40	218	404	76	39.6	2520	1862.6	9.50	9.40	725.2	723	37.4	37.3	519	43.0	3.7	.18	1.59	1.60	9.86	8.50	D
493	0708	1866.0	6.59	205	381	85	41.1	3030	1863.1	9.50	9.40	800.6	795	37.4	37.2	525	44.0	3.8	.18	1.46	1.46	9.87	8.50	D
494	0746	1867.0	3.23	195	392	78	35.3	2360	1865.0	9.50	9.50	697.3	696	37.0	37.2	572	44.9	4.2	.18	1.56	1.56	9.86	8.50	D↑
495	0800	1868.0	4.25	169	401	75	36.9	2250	1866.4	9.50	9.50	683.0	684	37.4	37.2	567	46.0	4.4	.19	1.50	1.50	9.86	8.50	D
496	0809	1869.0	9.93	210	611	81	30.7	2240	1866.5	9.50	9.50	685.1	684	37.6	37.1	561	47.0	4.6	.19	1.23	1.23	9.86	8.50	D
497	0817	1870.0	7.42	176	229	78	35.7	2250	1866.5	9.50	9.50	682.9	681	37.6	37.2	564	48.0	4.7	.19	1.35	1.35	9.87	8.50	D
498	0832	1871.0	20.0	172	241	75	34.2	2320	1866.8	9.50	9.50	691.6	691	37.5	37.8	555	49.0	4.8	.19	1.07	1.07	9.87	8.50	D↑
499	0837	1872.0	10.8	197	343	73	33.5	2300	1866.9	9.50	9.50	692.5	691	37.5	37.6	554	50.0	4.9	.19	1.21	1.22	9.88	8.50	D
500	0848	1873.0	16.1	271	785	78	20.5	2310	1867.6	9.50	9.50	691.7	692	37.6	37.0	549	51.0	5.0	.19	.99	.99	9.88	8.50	D
501	0851	1874.0	19.2	179	476	95	7.92	2320	1867.7	9.50	9.50	692.3	692	37.7	36.9	548	52.0	5.1	.19	.80	.79	9.88	8.50	D
502	0853	1875.0	24.5	155	192	88	14.9	2320	1868.0	9.50	9.50	691.8	691	37.7	37.0	549	53.0	5.1	.19	.85	.85	9.89	8.50	D
503	0906	1876.0	13.7	152	649	83	20.0	2320	1869.7	9.50	9.50	694.3	693	37.6	36.9	539	54.0	5.2	.19	1.03	1.03	9.88	8.50	D
504	0907	1877.0	41.1	171	209	88	22.7	2320	1869.8	9.50	9.50	693.5	693	37.6	36.9	540	55.0	5.2	.19	.83	.83	9.89	8.50	D
505	0909	1878.0	27.1	186	213	82	30.8	2320	1870.0	9.50	9.50	693.5	693	37.6	36.9	537	56.0	5.3	.19	.99	.99	9.89	8.50	D

ESSO AUST Conger No.1

Data Printed at time 05:14 Date Mar 14 '89
Data Recorded at time 09:11 Date Mar 5 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD
1506	0911	1879.0	36.8	189	275	82	31.3	2320	1870.5	9.50	9.50	692.9	692	37.6	36.8	538	57.0	5.3	.19	.91	.91	9.89	8.50 D
1507	0918	1880.0	12.5	174	566	77	27.9	2320	1870.7	9.50	9.50	693.3	692	37.6	36.8	535	58.0	5.4	.19	1.13	1.13	9.90	8.50 D
1508	0934	1881.0	17.8	222	457	89	12.0	2160	1872.5	9.50	9.50	666.8	665	37.4	37.3	526	59.0	5.5	.19	.87	.87	9.89	8.50 D↑
1509	0936	1882.0	31.3	179	298	88	21.4	2160	1872.5	9.50	9.50	666.0	665	37.4	37.9	523	60.0	5.5	.19	.87	.87	9.90	8.50 D
1510	0940	1883.0	15.7	175	271	77	27.6	2160	1872.8	9.50	9.50	667.7	666	37.4	37.3	523	61.0	5.6	.19	1.09	1.09	9.71	8.50 D
1511	0944	1884.0	14.6	181	405	72	27.9	2170	1874.2	9.50	9.50	666.7	665	37.5	37.3	520	62.0	5.7	.19	1.10	1.10	9.71	8.50 D
1512	0947	1885.0	20.7	177	192	75	31.7	2290	1875.3	9.50	9.50	669.1	667	37.6	37.0	520	63.0	5.7	.19	1.06	1.06	9.71	8.50 D
1513	0949	1886.0	24.3	179	217	76	32.7	2290	1875.6	9.50	9.50	688.1	685	37.6	36.8	519	64.0	5.7	.19	1.03	1.03	9.71	8.50 D
1514	0952	1887.0	24.7	210	286	75	34.2	2290	1875.6	9.50	9.50	685.9	685	37.6	36.7	519	65.0	5.8	.19	1.03	1.04	9.72	8.50 D
1515	0953	1888.0	31.6	199	237	75	35.5	2300	1875.6	9.50	9.50	687.6	686	37.7	36.6	515	66.0	5.8	.19	.98	.98	9.72	8.50 D
1516	0955	1889.0	34.3	226	308	74	36.7	2300	1875.6	9.50	9.50	687.9	687	37.7	36.7	516	67.0	5.8	.19	.97	.97	9.73	8.50 D
1517	1117	1892.0	8.12	179	668	79	28.0	2850	1889.6	9.40	9.50	780.4	778	38.0	36.8	505	70.0	6.4	.20	1.28	1.28	9.57	8.50 D
1518	1143	1893.0	2.40	166	394	78	35.4	2900	1891.2	9.40	9.50	785.3	784	37.6	37.3	487	71.0	6.8	.20	1.69	1.69	9.57	8.50 D
1519	1159	1894.0	4.46	157	322	69	29.3	1500	1891.8	9.40	9.50	565.0	566	37.6	36.7	493	72.0	7.1	.20	1.41	1.42	9.56	8.50 D
1520	1224	1895.0	13.8	214	695	70	13.9	2880	1892.8	9.40	9.50	793.4	790	37.6	37.3	490	73.0	7.2	.20	.94	.94	9.57	8.50 D↑
1521	1225	1896.0	48.2	140	352	80	6.16	2890	1892.9	9.40	9.50	791.1	790	37.6	37.2	488	74.0	7.2	.20	.59	.59	9.57	8.50 D
1522	1226	1897.0	61.4	232	424	78	11.3	2890	1892.9	9.40	9.50	790.1	790	37.6	37.2	488	75.0	7.2	.20	.62	.62	9.58	8.50 D
1523	1228	1898.0	38.9	218	401	80	12.3	2890	1893.0	9.40	9.50	791.7	792	37.6	37.2	486	76.0	7.2	.20	.73	.73	9.59	8.50 D
1524	1229	1899.0	62.3	170	299	79	10.5	2900	1893.0	9.40	9.50	787.4	788	37.6	37.2	487	77.0	7.2	.20	.61	.61	9.59	8.50 D
1525	1244	1900.0	27.1	178	499	74	9.78	2910	1893.6	9.40	9.50	787.9	762	37.5	36.9	510	78.0	7.3	.20	.75	.75	9.59	8.50 D↑
1526	1246	1901.0	31.3	144	178	73	15.9	2900	1893.9	9.40	9.50	789.7	786	37.5	37.2	508	79.0	7.3	.20	.80	.80	9.60	8.50 D
1527	1248	1902.0	24.1	185	314	73	15.8	2900	1894.4	9.40	9.50	787.2	786	37.5	38.3	508	80.0	7.4	.20	.85	.85	9.60	8.50 D
1528	1250	1903.0	29.0	160	224	73	19.7	2900	1894.5	9.40	9.50	788.8	787	37.5	37.5	508	81.0	7.4	.20	.86	.86	9.61	8.50 D
1529	1254	1904.0	14.4	127	235	80	16.7	2900	1894.5	9.40	9.50	788.4	788	37.5	37.2	510	82.0	7.5	.20	1.00	1.00	9.61	8.50 D
1530	1258	1905.0	17.2	189	496	72	16.6	2900	1894.5	9.40	9.50	789.8	788	37.6	37.0	507	83.0	7.5	.20	.93	.93	9.62	8.50 D
1531	1302	1906.0	13.2	135	274	74	16.9	2900	1894.5	9.40	9.50	788.5	787	37.6	36.8	507	84.0	7.6	.20	1.00	1.00	9.62	8.50 D
1532	1309	1907.0	8.45	159	302	76	18.0	2890	1894.5	9.40	9.50	788.2	788	37.6	36.9	506	85.0	7.7	.20	1.11	1.12	9.63	8.50 D
1533	1315	1908.0	10.5	194	394	82	16.6	2880	1898.7	9.40	9.50	789.3	789	37.6	36.9	506	85.9	7.8	.20	1.06	1.06	9.61	8.50 D
1534	1317	1909.0	27.4	178	360	82	15.3	2870	1899.8	9.40	9.50	790.2	789	37.6	37.0	505	87.0	7.9	.20	.84	.84	9.61	8.50 D
1535	1338	1910.0	25.3	290	794	69	12.5	2840	1903.0	9.40	9.50	789.0	788	37.4	37.7	486	88.0	8.0	.20	.79	.79	9.60	8.50 D↑
1536	1340	1911.0	34.7	150	453	89	2.76	2830	1903.6	9.40	9.50	789.0	788	37.4	37.9	481	89.0	8.0	.20	.58	.58	9.60	8.50 D
1537	1342	1912.0	49.3	116	145	89	6.64	2830	1904.1	9.40	9.50	788.3	787	37.4	37.6	480	89.9	8.0	.20	.61	.61	9.60	8.50 D
1538	1343	1913.0	33.5	141	195	89	11.7	2820	1904.3	9.40	9.50	788.6	788	37.4	37.4	479	91.0	8.0	.20	.77	.77	9.61	8.50 D
1539	1346	1914.0	20.1	162	494	79	11.4	2810	1905.0	9.40	9.50	787.9	787	37.4	37.2	476	91.9	8.1	.20	.84	.84	9.61	8.50 D
1540	1418	1915.0	11.9	214	794	77	8.50	1360	1909.1	9.40	9.50	523.8	495	37.5	38.0	465	93.0	8.2	.20	.88	.89	9.58	8.50 D
1541	1423	1916.0	10.8	139	190	88	10.7	1350	1909.1	9.40	9.46	525.7	525	37.5	37.9	462	94.0	8.3	.20	.97	.97	9.58	8.50 D
1542	1430	1917.0	9.30	152	269	85	10.4	1350	1909.2	9.40	9.40	524.7	524	37.5	37.1	458	95.0	8.4	.20	.99	.99	9.59	8.50 D
1543	1451	1918.0	9.75	146	239	84	12.1	1370	1913.2	9.40	9.40	530.0	524	37.6	37.5	449	96.0	8.5	.20	1.01	1.01	9.57	8.50 D↑
1544	1459	1919.0	7.84	140	228	58	14.4	1370	1914.5	9.40	9.40	528.4	528	37.7	37.2	450	97.0	8.6	.20	1.02	1.03	9.57	8.50 D
1545	1503	1920.0	9.31	113	166	72	13.1	1370	1915.4	9.40	9.40	530.4	528	37.7	37.0	446	98.0	8.7	.20	1.02	1.02	9.49	8.50 D-
1546	1506	1921.0	8.79	130	164	79	14.9	1370	1915.8	9.40	9.40	528.3	528	37.7	37.2	448	99.0	8.7	.20	.52	.52	19.7	8.50 D
1547	1512	1922.0	11.1	134	236	73	16.7	1370	1916.4	9.40	9.40	528.8	528	37.7	37.4	446	100	8.8	.20	.53	.53	18.8	8.50 D↑
1548	1515	1923.0	20.3	251	509	85	22.2	1380	1917.3	9.40	9.40	527.3	527	37.7	37.4	443	101	8.9	.20	.53	.53	18.3	8.50 D
1549	1518	1924.0	20.2	192	435	80	23.0	1380	1919.5	9.40	9.40	528.9	528	37.7	37.5	443	102	8.9	.20	.54	.54	17.8	8.50 D
1550	1549	1925.0	2.15	135	292	87	28.6	1370	1921.0	9.40	9.40	526.2	526	37.7	37.2	431	103	9.4	.21	1.65	1.64	9.54	8.50 D
1551	1646	1926.0	1.50	131	239	82	39.6	1440	1923.2	9.40	9.40	543.5	543	37.6	37.6	421	104	10.2	.21	1.89	1.89	9.54	8.50 D↑
1552	1736	1927.0	1.45	131	254	77	48.3	2910	1925.1	9.40	9.40	781.8	781	37.3	36.7	423	105	11.0	.22	2.01	2.01	9.56	8.50 D↑
1553	1747	1928.0	5.20	213	547	75	50.1	2920	1927.0	9.40	9.40	785.9	785	37.1	36.7	436	106	11.2	.22	1.64	1.64	9.56	8.50 D

ESSO AUST Conger No.1

Data Printed at time 05:19 Date Mar 14 '89
Data Recorded at time 23:08 Date Mar 5 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
NB#5 Reed HP51 12.25", jets 2x16,18. Start depth 1928m.																								
	Date	Mar 6 '89																						
559	0405	1929.0	22.0	146	215	52	16.0	2830	1928.0	9.40	9.40	723.3	729	31.0	34.4	545	1.00	.2	.00	.88	.89	9.56	8.50	D
560	0410	1930.0	17.3	190	337	55	21.1	2840	1928.0	9.40	9.40	727.8	727	31.5	35.2	542	2.00	.3	.01	1.00	1.01	9.57	8.50	D
561	0417	1931.0	14.4	194	372	52	19.9	2780	1928.0	9.40	9.40	730.0	728	32.4	35.5	541	3.00	.4	.01	1.03	1.03	9.58	8.50	D
562	0438	1932.0	16.5	218	372	58	24.3	2830	1928.0	9.40	9.40	723.8	723	34.1	36.0	527	4.04	.7	.01	1.05	1.06	9.58	8.50	D
563	0447	1933.0	17.2	279	646	52	30.4	2840	1928.2	9.40	9.40	725.6	724	34.9	36.7	529	5.00	.8	.02	1.11	1.11	9.58	8.50	D
564	0449	1934.0	29.4	219	286	82	31.1	2760	1928.4	9.40	9.40	727.0	726	35.0	36.7	529	5.98	.9	.02	.98	.98	9.59	8.50	D
565	0452	1935.0	19.5	218	272	87	33.4	2790	1928.6	9.40	9.40	728.2	727	35.3	36.7	526	7.00	.9	.02	1.10	1.11	9.59	8.50	D
566	0454	1936.0	38.5	266	310	80	34.9	2860	1928.6	9.40	9.40	725.6	726	35.5	36.8	526	8.00	.9	.02	.94	.94	9.60	8.50	D
567	0456	1937.0	29.0	264	314	56	35.2	2800	1928.6	9.40	9.40	725.0	724	35.6	36.7	526	8.98	1.0	.02	1.01	1.02	9.60	8.50	D
568	0458	1938.0	28.1	246	297	54	39.6	2790	1928.6	9.40	9.40	728.3	727	35.7	36.7	524	9.96	1.0	.02	1.06	1.07	9.61	8.50	D
569	0509	1939.0	6.87	226	620	55	19.8	2680	1931.5	9.40	9.40	727.3	727	36.4	36.6	520	11.0	1.2	.03	1.19	1.20	9.60	8.50	D
570	0523	1940.0	21.2	199	456	89	21.1	2570	1930.4	9.40	9.40	711.0	710	36.8	35.9	513	12.0	1.4	.03	.95	.96	9.61	8.50	D↑
571	0530	1941.0	11.6	282	548	94	35.6	2670	1932.2	9.40	9.40	713.3	712	36.8	36.5	509	13.0	1.5	.03	1.32	1.32	9.60	8.50	D
572	0537	1942.0	27.7	261	362	109	33.4	2680	1932.3	9.40	9.40	712.5	712	36.9	36.6	506	14.0	1.6	.04	1.11	1.10	9.61	8.50	D
573	0538	1943.0	65.3	408	510	97	29.4	2690	1932.5	9.40	9.40	711.7	711	36.9	36.6	507	14.9	1.6	.04	.82	.82	9.61	8.50	D
574	0546	1944.0	27.0	272	637	112	17.0	2650	1936.0	9.40	9.40	712.9	712	37.0	36.5	504	16.0	1.7	.04	.94	.93	9.60	8.50	D
575	0547	1945.0	58.0	277	635	114	13.4	2630	1936.6	9.40	9.40	711.7	711	37.0	36.5	504	17.0	1.7	.04	.73	.73	9.60	8.50	D
576	0608	1946.0	6.86	222	631	101	8.49	2630	1939.7	9.40	9.40	715.0	714	37.3	36.6	491	18.0	2.0	.05	1.04	1.04	9.59	8.50	D
577	0609	1947.0	52.6	203	331	111	11.1	2700	1939.7	9.40	9.40	714.0	713	37.3	36.6	491	19.0	2.0	.05	.71	.71	9.59	8.50	D
578	0612	1948.0	22.0	236	527	100	8.01	2670	1939.7	9.40	9.40	714.3	712	37.3	36.6	490	20.0	2.1	.05	.81	.81	9.60	8.50	D
579	0613	1949.0	47.4	131	208	112	7.79	2730	1939.8	9.40	9.40	713.9	713	37.3	36.7	490	21.0	2.1	.05	.68	.68	9.60	8.50	
580	0623	1950.0	36.6	150	250	91	10.2	2750	1940.5	9.40	9.40	714.6	691	37.4	36.6	480	22.0	2.1	.05	.73	.73	9.61	8.50	D↑
581	0624	1951.0	54.4	223	263	99	22.3	2690	1940.8	9.40	9.40	717.1	710	37.4	36.5	481	23.0	2.1	.05	.81	.81	9.61	8.50	D
582	0625	1952.0	56.9	209	246	100	22.0	2670	1941.1	9.40	9.40	716.1	714	37.3	36.4	480	23.9	2.2	.05	.80	.80	9.61	8.50	D
583	0632	1953.0	19.9	236	487	96	18.5	2640	1942.8	9.40	9.40	717.0	716	37.4	36.7	477	25.0	2.2	.05	.99	.99	9.61	8.50	D
584	0639	1954.0	15.2	215	491	99	7.95	2730	1943.4	9.40	9.40	717.2	716	37.4	36.6	474	26.0	2.3	.06	.87	.87	9.61	8.50	D↑
585	0641	1955.0	38.6	143	208	120	4.74	2650	1944.9	9.40	9.40	713.7	713	37.4	36.6	473	27.0	2.4	.06	.67	.66	9.61	8.50	D
586	0642	1956.0	31.9	169	315	119	7.12	2690	1945.0	9.40	9.40	714.7	714	37.4	36.6	471	28.0	2.4	.06	.75	.75	9.61	8.50	D
587	0645	1957.0	26.2	136	196	120	8.51	2580	1945.0	9.40	9.40	713.1	712	37.4	36.7	471	29.0	2.4	.06	.82	.81	9.62	8.50	D
588	0647	1958.0	22.4	172	233	120	16.1	2740	1945.0	9.40	9.40	713.1	713	37.4	36.7	468	30.0	2.5	.06	.98	.97	9.63	8.50	D
589	0702	1959.0	31.4	212	258	100	29.5	2790	1945.1	9.40	9.40	718.6	712	37.3	37.2	465	31.0	2.6	.06	1.01	1.01	9.63	8.50	D↑
590	0709	1960.0	7.69	218	366	89	32.3	2760	1948.0	9.40	9.40	725.9	725	37.4	36.8	463	32.0	2.7	.07	1.37	1.37	9.62	8.50	D
591	0715	1961.0	11.0	237	313	99	33.6	2750	1949.7	9.40	9.40	724.4	724	37.5	36.7	457	33.0	2.8	.07	1.32	1.32	9.62	8.50	D
592	0717	1962.0	25.3	231	331	65	33.9	2810	1950.4	9.40	9.40	725.8	725	37.5	36.6	458	34.0	2.8	.07	1.00	1.01	9.62	8.50	D
593	0721	1963.0	40.7	201	451	94	9.20	2750	1952.7	9.40	9.40	729.4	729	37.5	36.7	454	35.0	2.8	.07	.70	.70	9.61	8.50	D↑
594	0721	1964.0	111	213	233	108	12.5	2810	1952.7	9.40	9.40	727.1	727	37.5	36.8	455	35.9	2.9	.07	.58	.57	9.61	8.50	D
595	0722	1965.0	89.5	239	284	106	20.7	2760	1952.7	9.40	9.40	726.2	726	37.5	36.8	454	37.0	2.9	.07	.70	.69	9.62	8.50	D
596	0723	1966.0	69.2	227	255	106	21.0	2840	1952.7	9.40	9.40	726.5	726	37.5	36.8	453	38.0	2.9	.07	.76	.76	9.63	8.50	D
597	0724	1967.0	88.7	264	370	102	20.1	2650	1952.7	9.40	9.40	727.6	726	37.5	36.8	454	39.0	2.9	.07	.68	.68	9.63	8.50	D
598	0728	1968.0	23.3	262	492	92	6.97	2760	1953.7	9.40	9.40	725.0	725	37.5	36.8	451	40.0	2.9	.07	.76	.76	9.63	8.50	D
599	0732	1969.0	32.7	117	255	110	2.60	2870	1954.0	9.40	9.40	727.0	726	37.5	36.8	448	41.0	3.0	.08	.61	.61	9.64	8.50	D↑
600	0747	1970.0	109	217	292	102	18.6	2900	1958.7	9.40	9.40	744.8	711	37.4	36.6	441	42.0	3.0	.08	.63	.63	9.62	8.50	D↑
601	0750	1971.0	27.3	263	491	75	17.9	2800	1958.7	9.40	9.40	724.2	726	37.4	37.2	441	43.0	3.0	.08	.86	.86	9.62	8.50	D↑
602	0755	1972.0	19.6	157	281	102	4.85	2830	1959.0	9.40	9.40	725.3	724	37.3	37.4	439	44.0	3.1	.08	.75	.75	9.62	8.50	D
603	0757	1973.0	25.1	136	258	104	4.65	2820	1959.3	9.40	9.40	721.6	722	37.3	37.2	443	45.0	3.1	.08	.71	.71	9.63	8.50	D
604	0758	1974.0	58.9	179	258	103	7.48	2670	1959.5	9.40	9.40	725.6	723	37.3	37.2	443	46.0	3.2	.08	.62	.62	9.63	8.50	

ESSO AUST Conger No.1

Data Printed at time 05:23 Date Mar 14 '89
Data Recorded at time 08:05 Date Mar 6 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
1605	0805	1975.0	10.3	298	578	88	10.0	2780	1960.7	9.40	9.40	722.1	722	37.2	36.9	450	47.0	3.3	.08	.96	.96	9.63	8.50	D
1606	0849	1976.0	18.0	185	545	112	5.99	2640	1974.8	9.40	9.50	726.9	726	36.8	36.9	496	48.0	3.3	.08	.82	.82	9.56	8.50	D
1607	0852	1977.0	23.5	309	473	109	7.48	2690	1974.9	9.40	9.50	726.1	725	36.8	36.8	499	49.0	3.4	.08	.80	.80	9.57	8.50	D
1608	0855	1978.0	16.8	245	634	120	6.03	2590	1975.3	9.40	9.50	728.3	727	36.8	36.8	501	50.0	3.4	.08	.84	.84	9.57	8.50	D
1609	0908	1979.0	23.5	255	386	107	12.6	1320	1975.4	9.40	9.50	502.5	502	36.6	36.3	515	51.0	3.5	.08	.90	.89	9.56	8.50	D
1610	0909	1980.0	44.6	191	289	117	17.1	1380	1975.4	9.40	9.50	502.6	502	36.6	36.3	516	52.0	3.6	.08	.84	.84	9.57	8.50	D
1611	0912	1981.0	26.8	200	270	119	20.9	1350	1975.4	9.40	9.50	505.7	504	36.6	36.8	518	53.0	3.6	.08	1.00	1.00	9.57	8.50	D
1612	0913	1982.0	46.1	271	430	106	24.1	1450	1975.4	9.40	9.50	520.1	513	36.5	37.4	519	54.0	3.6	.08	.89	.88	9.58	8.50	D
1613	0914	1983.0	42.8	233	338	117	22.6	1490	1975.4	9.40	9.50	526.4	523	36.5	37.4	521	55.0	3.6	.08	.91	.90	9.58	8.50	D
1614	0915	1984.0	65.3	230	256	118	24.2	1450	1975.4	9.40	9.50	524.1	523	36.5	37.5	521	56.0	3.7	.08	.83	.82	9.59	8.50	D
1615	0916	1985.0	57.1	248	281	117	24.8	1440	1975.4	9.40	9.50	525.2	524	36.5	37.5	524	57.0	3.7	.08	.86	.86	9.59	8.50	D
1616	0917	1986.0	59.3	248	280	117	25.4	1490	1975.4	9.40	9.50	525.3	524	36.5	37.5	525	58.0	3.7	.08	.86	.85	9.60	8.50	D
1617	0918	1987.0	64.6	251	281	116	26.0	1500	1975.4	9.40	9.50	527.1	525	36.5	37.5	526	59.0	3.7	.08	.84	.84	9.60	8.50	D
1618	0919	1988.0	56.4	250	277	117	27.5	1500	1975.4	9.40	9.50	525.7	525	36.5	37.5	526	60.0	3.7	.08	.89	.88	9.61	8.50	D
1619	0920	1989.0	58.1	287	333	112	27.7	1400	1975.4	9.40	9.50	526.0	525	36.5	37.5	528	61.0	3.7	.08	.87	.87	9.61	8.50	D
1620	0938	1990.0	14.9	280	497	101	16.8	1590	1975.4	9.40	9.50	540.1	539	36.5	37.4	547	61.9	3.9	.08	1.04	1.03	9.62	8.50	D
1621	0940	1991.0	23.0	189	287	118	11.9	1470	1975.4	9.40	9.50	541.7	540	36.5	37.1	549	63.0	3.9	.08	.90	.90	9.63	8.50	D
1622	0951	1992.0	15.9	277	577	101	14.1	1540	1975.4	9.40	9.50	543.4	542	36.6	37.3	561	64.0	4.1	.08	.98	.98	9.63	8.50	D
1623	0952	1993.0	34.7	282	464	110	8.30	1580	1975.4	9.40	9.50	543.3	542	36.6	37.3	567	65.0	4.1	.08	.74	.74	9.64	8.50	D
1624	0957	1994.0	18.7	213	508	109	7.88	1590	1975.4	9.40	9.50	541.8	541	36.7	37.3	523	66.0	4.2	.08	.85	.84	9.64	8.50	D
1625	0958	1995.0	52.7	214	283	118	10.4	1580	1975.4	9.40	9.50	542.5	541	36.7	37.3	522	67.0	4.2	.08	.71	.71	9.65	8.50	D
1626	1001	1996.0	26.1	202	250	119	23.3	1470	1975.8	9.40	9.50	542.8	541	36.8	37.3	523	68.0	4.2	.08	1.03	1.03	9.65	8.50	D
1627	1002	1997.0	53.4	222	260	117	27.1	1530	1976.2	9.40	9.50	543.3	542	36.8	37.1	524	68.9	4.2	.08	.90	.89	9.66	8.50	D
1628	1024	1998.0	25.5	217	286	113	21.7	1500	1977.7	9.40	9.50	444.7	441	36.9	36.3	604	70.0	4.4	.08	1.01	1.00	9.65	8.50	D
1629	1027	1999.0	17.9	198	281	112	20.1	1790	1977.9	9.40	9.50	491.4	484	36.9	36.3	582	71.0	4.4	.08	1.06	1.06	9.66	8.50	D
1630	1032	2000.0	11.3	291	503	94	31.7	1420	1978.4	9.40	9.50	517.1	516	36.9	36.8	582	72.0	4.5	.08	1.27	1.27	9.66	8.50	D
1631	1056	2001.0	8.81	219	491	102	30.9	1400	1989.4	9.40	9.50	523.3	522	36.9	36.4	570	73.0	4.8	.10	1.36	1.35	9.61	8.50	D
1632	1102	2002.0	10.8	210	372	118	30.2	1420	1989.4	9.40	9.50	523.0	522	36.9	35.8	565	74.0	4.9	.11	1.33	1.32	9.61	8.50	D
1633	1118	2003.0	20.6	215	350	116	33.8	2840	1991.9	9.40	9.50	740.7	738	36.8	36.6	556	75.0	5.1	.13	1.20	1.20	9.62	8.50	D
1634	1122	2004.0	19.8	221	322	115	39.1	2790	1992.5	9.40	9.50	745.2	744	36.8	36.0	555	76.0	5.1	.14	1.26	1.26	9.62	8.50	D
1635	1123	2005.0	37.8	236	307	115	37.1	2830	1993.1	9.40	9.50	747.4	745	36.8	35.6	552	77.0	5.1	.14	1.07	1.06	9.62	8.50	D
1636	1126	2006.0	46.8	244	321	114	40.2	2800	1994.0	9.40	9.50	747.6	746	36.9	35.9	548	78.0	5.2	.14	1.04	1.03	9.62	8.50	D
1637	1141	2007.0	11.4	290	588	102	31.0	2930	2000.1	9.40	9.50	754.4	753	36.8	36.8	544	79.0	5.4	.17	1.29	1.29	9.59	8.50	D
1638	1211	2008.0	8.67	391	539	90	17.5	2910	2003.3	9.40	9.50	744.3	743	38.0	38.6	487	80.0	5.8	.19	1.14	1.14	9.58	8.50	D
1639	1232	2009.0	7.70	405	556	100	7.35	2830	2006.4	9.40	9.50	743.0	742	38.9	39.1	478	81.0	6.0	.21	.98	.98	9.57	8.50	D
1640	1244	2010.0	11.4	207	320	120	24.6	2690	2007.6	9.40	9.50	717.1	709	39.2	39.2	475	82.0	6.2	.22	1.25	1.24	9.57	8.50	D
1641	1250	2011.0	9.33	278	448	105	31.0	2710	2007.6	9.40	9.50	716.6	716	39.2	39.2	456	83.0	6.3	.23	1.35	1.35	9.57	8.50	D
1642	1257	2012.0	17.1	281	548	102	22.3	2670	2007.6	9.40	9.50	721.5	719	39.3	39.3	457	84.0	6.3	.24	1.09	1.08	9.58	8.50	D
1643	1307	2013.0	15.5	349	556	95	22.3	2540	2008.1	9.40	9.50	718.6	718	39.6	39.8	450	85.0	6.4	.24	1.09	1.09	9.58	8.50	D
1644	1322	2014.0	6.61	405	546	78	9.47	2670	2008.4	9.40	9.50	718.6	718	40.0	40.1	444	86.0	6.6	.25	1.02	1.02	9.59	8.50	D
1645	1328	2015.0	11.0	367	500	91	6.91	2690	2009.4	9.40	9.50	719.0	718	40.1	40.1	441	87.0	6.7	.25	.89	.89	9.59	8.50	D
1646	1329	2016.0	34.2	263	536	102	10.1	2520	2009.7	9.40	9.50	718.5	718	40.2	40.1	441	88.0	6.7	.26	.77	.76	9.59	8.50	D
1647	1335	2017.0	21.7	255	538	98	9.23	2710	2010.1	9.40	9.50	720.8	719	40.3	40.2	439	89.0	6.8	.26	.83	.83	9.59	8.50	D
1648	1340	2018.0	26.4	258	538	104	8.45	2610	2010.9	9.40	9.50	718.2	718	40.4	40.3	437	90.0	6.8	.26	.79	.78	9.59	8.50	D↑
1649	1344	2019.0	25.1	275	541	96	4.30	2640	2011.3	9.40	9.50	719.2	718	40.5	40.3	434	91.0	6.9	.27	.69	.68	9.60	8.50	D↑
1650	1348	2020.0	28.1	189	535	111	3.47	2710	2012.3	9.40	9.50	720.1	719	40.5	40.2	431	92.0	6.9	.27	.67	.66	9.60	8.50	D↑
1651	1412	2021.0	31.1	227	318	119	32.4	2740	2013.6	9.40	9.50	733.5	733	40.7	40.2	418	93.0	7.1	.28	1.09	1.08	9.60	8.50	D
1652	1413	2022.0	47.5	216	266	119	33.0	2790	2013.6	9.40	9.50	732.8	732	40.7	40.1	417	94.0	7.1	.28	.99	.97	9.60	8.50	D

ESSO AUST Conger No.1

Data Printed at time 05:28 Date Mar 14 '89
Data Recorded at time 14:14 Date Mar 6 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
1653	1414	2023.0	50.7	220	269	119	32.9	2780	2013.6	9.40	9.50	734.2	733	40.7	40.1	416	95.0	7.1	.29	.97	.96	9.61	8.50	D
1654	1415	2024.0	53.0	221	262	119	32.8	2790	2013.7	9.40	9.50	735.5	734	40.7	40.1	417	96.0	7.1	.29	.96	.94	9.61	8.50	D
1655	1416	2025.0	63.2	269	323	118	32.9	2760	2013.7	9.40	9.50	729.6	731	40.7	40.0	409	97.0	7.1	.29	.91	.90	9.62	8.50	D
1656	1417	2026.0	51.2	214	278	119	32.7	2690	2013.7	9.40	9.50	729.8	729	40.7	40.0	416	98.0	7.1	.29	.96	.95	9.62	8.50	D
1657	1418	2027.0	57.4	188	226	119	33.5	2700	2013.7	9.40	9.50	729.0	728	40.8	40.1	415	99.0	7.2	.30	.94	.93	9.63	8.50	D
1658	1433	2028.0	56.0	184	483	126	31.6	2690	2015.4	9.40	9.50	722.1	722	40.7	40.5	407	100	7.3	.31	.94	.93	9.62	8.50	D↑
1659	1434	2029.0	48.7	161	211	139	29.0	2700	2015.5	9.40	9.50	724.5	715	40.7	41.1	406	101	7.3	.31	.98	.96	9.63	8.50	D
1660	1437	2030.0	26.3	202	285	123	32.2	2680	2016.0	9.40	9.50	724.9	723	40.7	41.1	401	102	7.3	.31	1.14	1.12	9.63	8.50	D
1661	1439	2031.0	27.5	190	236	120	31.6	2690	2016.3	9.40	9.50	723.1	722	40.7	40.5	401	103	7.3	.32	1.11	1.10	9.63	8.50	D
1662	1443	2032.0	13.7	183	230	116	32.2	2590	2016.9	9.40	9.50	723.0	723	40.7	40.1	397	104	7.4	.33	1.29	1.27	9.64	8.50	D
1663	1446	2033.0	19.2	178	226	118	31.6	2710	2017.1	9.40	9.50	723.2	722	40.8	40.0	389	105	7.5	.33	1.20	1.18	9.64	8.50	D
1664	1448	2034.0	25.2	193	238	118	32.2	2720	2017.6	9.40	9.50	723.5	722	40.8	40.1	396	106	7.5	.34	1.13	1.12	9.64	8.50	D
1665	1458	2035.0	6.12	156	216	115	33.9	2680	2017.9	9.40	9.50	723.8	722	40.8	40.1	393	107	7.7	.36	1.51	1.50	9.65	8.50	D
1666	1507	2036.0	7.37	134	186	116	33.5	2700	2020.3	9.40	9.50	722.5	722	40.8	40.3	390	108	7.8	.37	1.46	1.45	9.64	8.50	D
1667	1512	2037.0	11.4	144	232	110	32.9	2610	2024.5	9.40	9.50	722.6	721	40.8	40.2	384	109	7.9	.38	1.30	1.29	9.62	8.50	D↑
1668	1533	2038.0	26.5	220	326	119	25.5	2800	2029.5	9.40	9.50	728.2	728	40.2	40.5	385	110	8.1	.40	1.06	1.04	9.60	8.50	D
1669	1538	2039.0	24.1	288	553	103	18.6	2770	2030.9	9.40	9.50	731.3	730	40.2	40.6	390	111	8.2	.40	.97	.95	9.60	8.50	D
1670	1540	2040.0	30.2	183	326	114	21.2	2720	2031.4	9.40	9.50	730.4	730	40.2	40.4	390	112	8.2	.41	.97	.95	9.60	8.50	D
1671	1542	2041.0	34.0	220	328	113	34.2	2760	2032.3	9.40	9.50	730.1	730	40.2	40.2	394	113	8.2	.41	.87	.87	9.60	8.50	D↑
1672	1544	2042.0	50.7	242	298	115	31.3	2720	2032.9	9.40	9.50	730.3	729	40.2	40.2	398	114	8.2	.41	.72	.73	9.60	8.50	D↑
1673	1545	2043.0	62.7	278	391	101	30.8	2820	2033.0	9.40	9.50	730.2	729	40.2	40.2	399	115	8.3	.41	.86	.84	9.61	8.50	D
1674	1548	2044.0	20.3	249	379	104	30.1	2750	2033.4	9.40	9.50	730.6	730	40.2	40.2	401	116	8.3	.41	1.14	1.13	9.61	8.50	D
1675	1556	2045.0	13.5	225	553	110	27.6	2760	2034.1	9.40	9.50	729.5	728	40.2	40.4	409	117	8.4	.42	1.23	1.21	9.61	8.50	
1676	1611	2046.0	37.5	263	387	103	27.3	2670	2035.2	9.40	9.50	714.1	704	40.2	40.5	432	118	8.5	.43	.96	.94	9.61	8.50	D↑
1677	1612	2047.0	51.7	342	528	112	18.7	2810	2035.4	9.40	9.50	718.0	713	40.1	40.9	434	119	8.5	.43	.81	.80	9.62	8.50	D
1678	1619	2048.0	31.5	279	551	118	20.4	2830	2036.7	9.40	9.50	736.5	735	40.2	40.6	438	120	8.6	.44	.96	.94	9.62	8.50	D
1679	1623	2049.0	14.0	202	269	106	29.5	2740	2036.7	9.40	9.50	736.3	737	40.3	40.4	442	121	8.7	.45	1.23	1.22	9.62	8.50	D
1680	1626	2050.0	26.6	198	247	94	34.4	2770	2036.7	9.40	9.50	733.3	733	40.4	40.6	444	122	8.8	.45	1.09	1.07	9.63	8.50	D
1681	1628	2051.0	37.8	190	224	104	33.6	2810	2037.4	9.40	9.50	736.0	735	40.4	40.6	445	123	8.8	.45	.61	.64	9.63	8.50	D↑
1682	1629	2052.0	62.1	213	290	107	33.1	2790	2037.9	9.40	9.50	734.5	734	40.4	40.4	447	124	8.8	.45	.64	.65	9.63	8.50	D↑
1683	1630	2053.0	71.3	248	325	110	33.0	2780	2038.4	9.40	9.50	734.4	734	40.5	40.4	447	125	8.8	.45	.54	.56	9.63	8.50	D↑
1684	1631	2054.0	46.6	237	338	115	34.4	2700	2038.7	9.40	9.50	733.9	733	40.5	40.4	448	126	8.8	.45	.84	.84	9.64	8.50	D↑
1685	1649	2055.0	49.1	241	480	114	24.0	2710	2044.0	9.40	9.50	726.8	725	40.5	40.6	452	127	9.0	.46	.62	.64	9.61	8.50	D
1686	1652	2056.0	29.9	219	287	116	30.7	2740	2044.4	9.40	9.50	724.5	724	40.5	40.7	452	128	9.0	.46	.97	.96	9.62	8.50	D
1687	1656	2057.0	14.5	239	376	115	35.9	2690	2044.5	9.40	9.50	722.7	721	40.5	40.4	452	129	9.1	.47	1.31	1.29	9.62	8.50	D
1688	1701	2058.0	11.8	224	316	115	37.5	2710	2045.9	9.40	9.50	724.2	723	40.6	40.5	456	130	9.1	.48	1.39	1.37	9.62	8.50	D
1689	1706	2059.0	12.3	198	242	116	37.3	2610	2046.0	9.40	9.50	723.5	723	40.6	40.3	457	131	9.2	.49	1.38	1.36	9.62	8.50	D
1690	1708	2060.0	26.5	215	271	118	36.9	2710	2046.4	9.40	9.50	724.3	722	40.6	40.4	456	132	9.3	.49	1.17	1.15	9.63	8.50	D
1691	1713	2061.0	10.8	185	300	118	37.0	2710	2048.2	9.40	9.50	723.5	722	40.6	40.3	457	133	9.3	.50	1.41	1.39	9.62	8.50	D
1692	1722	2062.0	11.9	224	558	91	23.1	2770	2049.7	9.40	9.50	724.2	723	40.6	40.6	460	134	9.5	.51	1.15	1.14	9.62	8.50	D
1693	1725	2063.0	19.0	235	391	88	12.2	2710	2051.3	9.40	9.50	721.5	722	40.6	40.7	458	135	9.5	.51	.89	.88	9.62	8.50	D
1694	1727	2064.0	33.2	181	224	91	16.9	2740	2052.6	9.40	9.50	722.9	722	40.6	40.7	460	136	9.6	.52	.84	.83	9.62	8.50	D
1695	1729	2065.0	28.0	205	350	92	25.2	2790	2054.1	9.40	9.50	723.6	723	40.6	40.5	461	137	9.6	.52	.98	.97	9.61	8.50	D
1696	1747	2066.0	18.5	163	224	103	32.2	2750	2055.2	9.40	9.50	728.3	725	40.5	41.4	458	138	9.7	.53	1.18	1.17	9.61	8.50	D↑
1697	1752	2067.0	12.1	202	250	115	38.0	2850	2057.1	9.40	9.50	727.8	727	40.6	41.0	460	139	9.8	.54	1.39	1.37	9.61	8.50	D
1698	1756	2068.0	14.8	235	390	113	37.7	2760	2057.9	9.40	9.50	727.9	727	40.7	40.8	460	140	9.9	.56	1.33	1.31	9.61	8.50	D
1699	1800	2069.0	17.0	285	439	115	37.7	2730	2058.7	9.40	9.50	730.3	729	40.8	40.7	463	141	9.9	.57	1.29	1.27	9.61	8.50	D
1700	1802	2070.0	23.7	200	278	118	37.1	2740	2059.3	9.40	9.50	729.6	728	40.8	40.7	464	142	10.0	.58	1.20	1.18	9.61	8.50	

ESSO AUST Conger No.1

Data Printed at time 05:33 Date Mar 14 '89
Data Recorded at time 18:05 Date Mar 6 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
1701	1805	2071.0	23.0	217	256	118	37.1	2760	2060.0	9.40	9.50	727.6	728	40.8	40.6	463	143	10.0	.60	1.21	1.19	9.61	8.50	D
1702	1807	2072.0	24.1	243	323	119	39.3	2830	2061.1	9.40	9.50	727.2	727	40.9	40.5	463	144	10.0	.61	1.22	1.20	9.61	8.50	D
1703	1810	2073.0	27.7	228	289	120	39.8	2700	2061.4	9.40	9.50	729.6	728	40.9	40.6	465	145	10.1	.62	1.19	1.17	9.62	8.50	D
1704	1813	2074.0	17.0	219	271	119	41.1	2860	2062.1	9.40	9.50	729.5	729	40.9	40.7	466	146	10.1	.63	1.33	1.31	9.62	8.50	D
1705	1815	2075.0	43.3	255	376	115	39.9	2730	2062.3	9.40	9.50	728.4	728	40.8	40.6	467	147	10.2	.64	1.06	1.03	9.62	8.50	D
1706	1838	2076.0	18.9	207	304	113	39.0	2750	2066.0	9.40	9.50	724.6	724	40.5	41.2	471	148	10.3	.67	1.27	1.25	9.61	8.50	D
1707	1841	2077.0	18.5	191	247	119	38.4	2770	2066.0	9.40	9.50	727.6	726	40.5	40.3	472	149	10.4	.69	1.28	1.26	9.61	8.50	D
1708	1845	2078.0	15.8	195	239	119	38.4	2760	2066.0	9.40	9.50	725.9	725	40.7	40.8	473	150	10.4	.70	1.33	1.30	9.62	8.50	D
1709	1849	2079.0	14.5	203	253	120	38.2	2790	2066.7	9.40	9.50	724.5	724	40.7	40.5	474	151	10.5	.72	1.35	1.32	9.62	8.50	D
1710	1854	2080.0	12.8	190	260	120	38.4	2800	2067.8	9.40	9.50	725.4	725	40.8	40.5	475	152	10.6	.74	1.39	1.36	9.62	8.50	D
1711	1900	2081.0	14.4	220	322	118	38.1	2720	2069.2	9.40	9.50	726.2	725	40.9	40.4	476	153	10.7	.76	1.19	1.17	9.62	8.50	D†
1712	1904	2082.0	50.5	248	338	119	38.5	2860	2070.6	9.50	9.50	725.0	724	41.0	40.6	476	154	10.7	.76	.62	.64	9.62	8.50	D
1713	1905	2083.0	57.4	276	381	118	37.7	2750	2071.1	9.50	9.50	726.9	725	41.0	40.6	476	155	10.7	.76	.74	.74	9.62	8.50	D†
1714	1909	2084.0	19.6	234	296	121	38.5	2830	2072.4	9.50	9.50	726.4	725	41.0	40.7	476	156	10.8	.77	1.17	1.15	9.62	8.50	D
1715	1927	2085.0	15.0	220	299	118	38.5	2740	2075.7	9.50	9.50	724.8	723	41.1	41.4	471	157	11.0	.80	1.27	1.25	9.63	8.50	D
1716	1936	2086.0	9.05	202	265	119	38.6	2780	2077.1	9.50	9.50	724.0	723	41.2	41.2	472	158	11.1	.83	1.44	1.41	9.64	8.50	D
1717	1941	2087.0	26.8	263	378	112	38.7	2640	2078.4	9.50	9.50	723.1	722	41.4	41.1	469	159	11.1	.83	.89	.89	9.65	8.50	D†
1718	1952	2088.0	49.6	230	365	113	22.3	2770	2080.4	9.50	9.50	722.8	723	41.6	41.2	470	160	11.2	.83	.38	.40	9.67	8.50	D†
1719	1955	2089.0	22.2	228	283	118	34.3	2790	2080.8	9.50	9.50	722.2	722	41.6	41.2	468	161	11.2	.84	1.18	1.16	9.68	8.50	D
1720	1957	2090.0	23.3	234	284	120	36.5	2640	2081.4	9.50	9.50	724.2	723	41.5	41.2	471	162	11.3	.85	1.20	1.17	9.69	8.50	D
1721	2000	2091.0	25.0	223	278	120	34.1	2630	2081.9	9.50	9.50	723.0	722	41.5	41.2	474	163	11.3	.86	1.15	1.12	9.69	8.50	D
1722	2002	2092.0	24.0	229	428	121	34.1	2700	2083.1	9.50	9.50	723.6	722	41.4	41.3	477	164	11.3	.87	1.17	1.14	9.69	8.50	D
1723	2004	2093.0	36.8	225	362	120	31.6	2780	2083.6	9.50	9.50	723.7	722	41.3	41.2	475	165	11.4	.88	1.03	1.00	9.70	8.50	D
1724	2018	2094.0	18.7	223	336	120	35.1	2790	2085.1	9.50	9.50	721.9	720	40.9	41.3	486	166	11.5	.90	1.24	1.21	9.70	8.50	D
1725	2022	2095.0	19.8	324	581	123	20.2	2590	2085.6	9.50	9.50	721.4	720	40.9	41.6	488	167	11.5	.92	1.05	1.02	9.70	8.50	D
1726	2024	2096.0	29.6	205	266	119	23.1	2720	2085.7	9.50	9.50	719.3	719	40.9	41.4	488	168	11.6	.92	1.00	.97	9.71	8.50	D
1727	2028	2097.0	12.8	220	283	119	35.9	2740	2086.2	9.50	9.50	722.2	720	41.0	41.2	493	169	11.7	.94	1.35	1.31	9.71	8.50	D
1728	2033	2098.0	14.0	231	339	120	35.8	2780	2086.9	9.50	9.50	721.5	720	41.0	41.1	498	170	11.7	.96	1.32	1.29	9.71	8.50	D
1729	2034	2099.0	51.5	218	294	120	35.6	2710	2087.1	9.50	9.50	722.5	721	41.0	41.1	496	171	11.7	.96	.98	.95	9.72	8.50	D
1730	2035	2100.0	62.4	198	232	119	35.1	2720	2087.2	9.50	9.50	721.1	720	41.0	41.2	499	172	11.8	.97	.92	.89	9.72	8.50	D
1731	2038	2101.0	16.2	203	244	119	36.1	2630	2087.8	9.50	9.50	721.3	720	41.0	41.1	501	173	11.8	.98	1.28	1.25	9.72	8.50	D
1732	2053	2102.0	18.2	202	254	119	33.9	2710	2088.8	9.50	9.50	722.4	711	40.8	41.2	506	174	12.0	1.01	1.23	1.20	9.72	8.50	D†
1733	2055	2103.0	23.0	235	284	119	33.6	2630	2089.7	9.50	9.50	724.7	723	40.8	41.7	504	175	12.0	1.02	1.17	1.13	9.72	8.50	D
1734	2057	2104.0	33.6	240	288	119	33.9	2770	2090.4	9.50	9.50	723.5	723	40.8	41.6	504	176	12.0	1.03	1.07	1.04	9.73	8.50	D
1735	2102	2105.0	13.6	221	276	119	34.4	2720	2092.1	9.50	9.50	724.1	723	40.9	41.3	509	177	12.1	1.05	1.31	1.28	9.72	8.50	D
1736	2105	2106.0	16.7	226	274	119	34.0	2770	2093.9	9.50	9.50	725.5	724	40.9	41.2	509	178	12.2	1.06	1.25	1.22	9.72	8.50	D
1737	2109	2107.0	14.6	219	269	119	34.3	2810	2093.9	9.50	9.50	723.3	722	41.0	41.0	513	179	12.3	1.08	1.29	1.26	9.72	8.50	D
1738	2113	2108.0	17.1	206	260	119	34.0	2780	2094.2	9.50	9.50	724.1	723	41.0	40.7	516	180	12.3	1.09	1.25	1.21	9.73	8.50	D
1739	2115	2109.0	19.3	202	272	119	33.2	2740	2095.0	9.50	9.50	722.5	722	41.0	41.1	518	181	12.4	1.10	1.21	1.17	9.73	8.50	D
1740	2117	2110.0	37.9	283	484	122	33.0	2620	2095.0	9.50	9.50	723.9	722	41.0	41.1	519	182	12.4	1.11	1.03	1.00	9.73	8.50	D
1741	2120	2111.0	17.5	210	248	119	33.6	2790	2096.6	9.50	9.50	724.6	724	41.0	41.1	513	183	12.4	1.12	1.24	1.20	9.73	8.50	D
1742	2126	2112.0	10.5	199	245	119	33.7	2810	2097.9	9.50	9.50	724.1	723	41.3	41.0	508	184	12.5	1.14	1.37	1.33	9.73	8.50	D
1743	2129	2113.0	18.0	198	261	119	33.6	2760	2098.7	9.50	9.50	722.7	722	41.4	40.9	507	185	12.6	1.16	1.23	1.19	9.73	8.50	D
1744	2148	2114.0	12.4	248	419	121	33.7	2800	2102.6	9.50	9.50	723.5	722	41.5	41.5	498	186	12.8	1.20	1.33	1.29	9.71	8.50	D
1745	2156	2115.0	12.0	225	293	119	31.6	1770	2104.7	9.50	9.50	560.8	519	41.6	41.6	499	187	12.9	1.23	1.31	1.27	9.70	8.50	D
1746	2159	2116.0	17.3	224	277	119	33.8	1710	2105.5	9.50	9.50	561.7	561	41.6	41.6	497	188	13.0	1.24	1.25	1.21	9.70	8.50	D
1747	2204	2117.0	18.0	242	359	120	33.3	2770	2106.2	9.50	9.50	698.8	578	41.6	41.7	487	189	13.1	1.26	1.23	1.19	9.70	8.50	D†
1748	2206	2118.0	29.6	307	450	121	32.8	2840	2106.7	9.50	9.50	721.1	708	41.7	41.4	484	190	13.1	1.27	1.10	1.06	9.71	8.50	D

ESSO AUST Conger No.1

Data Printed at time 05:38 Date Mar 14 '89
Data Recorded at time 22:08 Date Mar 6 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD.	
1749	2208	2119.0	32.7	280	437	121	29.7	2800	2107.2	9.50	9.50	720.7	718	41.7	41.7	485	191	13.1	1.27	1.04	1.00	9.72	8.50	D
1750	2216	2120.0	31.4	309	581	123	26.7	2640	2108.3	9.50	9.50	720.5	721	41.8	41.1	481	192	13.2	1.29	1.02	.98	9.71	8.50	D
1751	2217	2121.0	60.7	309	384	120	32.8	2780	2108.8	9.50	9.50	721.3	711	41.8	41.1	480	193	13.2	1.29	.91	.87	9.72	8.50	D
1752	2217	2122.0	68.7	297	339	120	34.6	2810	2109.3	9.50	9.50	720.2	717	41.8	41.1	481	194	13.3	1.30	.89	.85	9.72	8.50	D
1753	2231	2123.0	19.3	224	579	123	19.6	2760	2112.2	9.50	9.50	722.4	714	41.7	41.4	471	195	13.4	1.32	1.05	1.01	9.71	8.50	D↑
1754	2232	2124.0	12.5	254	286	119	34.7	2850	2112.4	9.50	9.50	724.2	721	41.7	41.5	470	195	13.4	1.33	1.19	1.16	9.71	8.50	D
1755	2241	2125.0	11.5	219	275	119	34.1	2830	2113.4	9.50	9.50	723.4	722	41.8	41.4	464	197	13.6	1.36	1.35	1.31	9.72	8.50	D
1756	2246	2126.0	11.4	216	259	119	34.3	2820	2113.4	9.50	9.50	725.0	724	41.8	41.3	460	198	13.6	1.38	1.36	1.31	9.72	8.50	D
1757	2250	2127.0	12.7	208	253	119	35.2	2760	2113.8	9.50	9.50	725.1	724	41.8	41.5	458	199	13.7	1.40	1.34	1.29	9.72	8.50	D
1758	2255	2128.0	14.6	193	241	119	33.7	2840	2114.2	9.50	9.50	723.0	722	41.9	41.3	456	200	13.8	1.41	1.28	1.24	9.73	8.50	D
1759	2257	2129.0	26.9	261	437	121	34.2	2700	2114.3	9.50	9.50	723.2	722	41.9	41.3	453	201	13.8	1.42	1.13	1.09	9.73	8.50	D
1760	2301	2130.0	15.2	221	415	121	33.9	2790	2114.9	9.50	9.50	723.1	722	41.9	41.4	451	202	13.9	1.44	1.28	1.23	9.73	8.50	D
1761	2305	2131.0	14.2	196	260	119	33.9	2860	2115.5	9.50	9.50	722.7	723	41.9	41.5	449	203	14.0	1.45	1.29	1.25	9.73	8.50	D
1762	2307	2132.0	35.3	224	283	119	33.7	2760	2115.9	9.50	9.50	725.5	723	41.9	41.5	447	204	14.0	1.46	1.06	1.01	9.74	8.50	D
1763	2325	2133.0	14.5	217	292	119	34.7	2850	2117.9	9.50	9.50	723.9	723	41.7	41.4	443	205	14.2	1.50	1.30	1.25	9.73	8.50	D
1764	2327	2134.0	11.6	323	582	123	34.0	2690	2117.9	9.50	9.50	722.6	722	41.7	41.5	445	206	14.2	1.51	1.34	1.30	9.73	8.50	D↑
1765	2330	2135.0	39.7	195	246	119	20.8	2820	2119.6	9.50	9.50	725.9	724	41.7	41.6	444	207	14.3	1.52	.90	.86	9.73	8.50	D↑
1766	2333	2136.0	24.3	253	303	120	33.9	2770	2120.2	9.50	9.50	723.0	722	41.7	41.5	443	208	14.3	1.53	1.15	1.11	9.73	8.50	D
1767	2335	2137.0	32.7	252	295	120	33.8	2760	2120.3	9.50	9.50	723.5	723	41.7	41.3	443	209	14.4	1.54	1.08	1.03	9.74	8.50	D
1768	2339	2138.0	12.5	208	273	119	32.5	2830	2120.6	9.50	9.50	725.7	724	41.7	41.3	443	210	14.4	1.55	1.31	1.26	9.74	8.50	D
1769	2344	2139.0	13.7	210	268	119	33.6	2750	2120.9	9.50	9.50	723.3	722	41.7	41.4	440	211	14.5	1.57	1.30	1.25	9.75	8.50	D
1770	2346	2140.0	23.8	218	293	119	31.5	2820	2121.1	9.50	9.50	723.3	722	41.7	41.3	442	212	14.6	1.58	1.13	1.09	9.75	8.50	D
1771	2350	2141.0	14.5	195	254	119	31.9	2850	2121.3	9.50	9.50	723.7	722	41.7	41.3	441	213	14.6	1.59	1.26	1.21	9.76	8.50	
1772	2356	2142.0	10.4	194	251	119	32.2	2790	2122.1	9.50	9.50	724.0	723	41.7	41.4	440	214	14.7	1.61	1.35	1.30	9.76	8.50	D
	Date	Mar 7 '89																						
1773	0022	2143.0	11.8	260	408	121	39.4	2770	2123.5	9.50	9.50	709.1	709	41.7	42.0	435	215	15.1	1.68	1.41	1.35	9.70	8.50	D
1774	0024	2144.0	18.0	246	348	120	39.9	2670	2123.8	9.50	9.50	707.7	707	41.8	41.9	432	216	15.1	1.69	1.30	1.24	9.70	8.50	D
1775	0033	2145.0	10.6	283	577	123	36.4	2690	2127.1	9.50	9.50	708.2	707	41.9	42.1	429	217	15.2	1.73	1.40	1.35	9.69	8.50	D↑
1776	0035	2146.0	33.6	255	363	120	25.9	2750	2127.5	9.50	9.50	708.4	707	42.0	41.9	428	218	15.3	1.73	1.00	.95	9.69	8.50	D
1777	0037	2147.0	37.3	324	490	122	30.6	2690	2127.9	9.50	9.50	709.1	708	42.0	41.9	428	219	15.3	1.74	1.02	.96	9.70	8.50	D
1778	0039	2148.0	26.7	212	336	120	26.5	2710	2128.4	9.50	9.50	709.9	709	42.0	41.8	427	220	15.3	1.74	1.06	1.01	9.70	8.50	D
1779	0041	2149.0	24.4	146	199	118	24.3	2750	2129.0	9.50	9.50	708.1	708	42.1	41.8	427	221	15.4	1.75	1.05	1.00	9.70	8.50	D
1780	0046	2150.0	14.2	202	272	119	37.0	2740	2130.1	9.50	9.50	711.0	710	42.1	42.1	423	222	15.5	1.77	1.33	1.27	9.70	8.50	D
1781	0059	2151.0	7.33	183	252	119	38.3	2720	2132.1	9.50	9.60	708.3	707	42.2	42.2	420	223	15.7	1.82	1.52	1.46	9.70	8.50	D
1782	0113	2152.0	14.3	206	267	119	40.3	2740	2141.9	9.50	9.60	712.3	711	42.1	43.1	419	224	15.8	1.85	1.37	1.31	9.65	8.50	D
1783	0115	2153.0	25.9	230	301	120	40.9	2770	2144.4	9.50	9.60	712.0	711	42.2	42.9	419	225	15.8	1.85	1.22	1.15	9.64	8.50	D
1784	0124	2154.0	6.66	170	222	119	40.1	2760	2134.1	9.50	9.60	711.9	711	42.4	42.3	418	226	16.0	1.89	1.57	1.51	9.70	8.50	D
1785	0133	2155.0	6.75	189	328	120	38.5	2740	2135.4	9.50	9.60	711.8	710	42.5	42.2	415	227	16.1	1.92	1.55	1.48	9.70	8.50	D
1786	0139	2156.0	10.1	198	325	120	37.4	2790	2138.4	9.50	9.60	712.4	711	42.5	42.3	418	228	16.2	1.94	1.43	1.37	9.69	8.50	D
1787	0142	2157.0	23.0	188	226	119	37.0	2720	2139.3	9.50	9.60	713.8	712	42.5	42.4	418	229	16.3	1.95	1.21	1.14	9.69	8.50	D
1788	0145	2158.0	17.4	176	232	119	36.2	2780	2139.9	9.50	9.60	711.1	711	42.5	42.0	416	230	16.3	1.97	1.27	1.21	9.69	8.50	D
1789	0150	2159.0	12.6	175	244	119	35.0	2730	2140.5	9.50	9.60	711.6	710	42.5	42.4	417	231	16.4	1.98	1.34	1.28	9.69	8.50	D
1790	0159	2160.0	6.75	160	211	119	35.3	2620	2140.9	9.50	9.60	711.9	710	42.5	42.6	418	232	16.6	2.01	1.51	1.44	9.70	8.50	D
1791	0213	2161.0	15.1	179	254	119	35.1	2770	2141.8	9.50	9.60	718.3	712	42.4	42.2	414	233	16.7	2.04	1.30	1.23	9.70	8.50	D↑
1792	0216	2162.0	20.9	196	239	119	36.0	2790	2142.9	9.50	9.60	718.5	717	42.4	43.5	413	234	16.7	2.05	1.22	1.16	9.70	8.50	D
1793	0218	2163.0	22.4	201	262	119	36.8	2760	2143.1	9.50	9.60	717.0	716	42.4	43.1	413	235	16.8	2.06	1.21	1.14	9.70	8.50	D
1794	0226	2164.0	16.8	231	580	123	28.0	2820	2144.0	9.50	9.60	717.8	717	42.6	42.5	404	236	16.9	2.08	1.19	1.13	9.70	8.50	D↑
1795	0229	2165.0	21.9	194	282	119	26.0	2840	2144.3	9.50	9.60	717.6	717	42.6	42.5	412	237	16.9	2.08	1.10	1.04	9.70	8.50	

ESSO AUST Conger No.1

Data Printed at time 05:42 Date Mar 14 '89
Data Recorded at time 02:31 Date Mar 7 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TWI	DXC	NXB	ECD	NXMD	
796	0231	2166.0	25.3	220	284	119	34.9	2860	2144.6	9.50	9.60	717.2	717	42.7	42.5	413	238	17.0	2.09	1.16	1.09	9.71	8.50	D
797	0236	2167.0	12.7	205	279	119	35.8	2790	2145.2	9.50	9.60	717.6	716	42.7	42.7	414	239	17.0	2.11	1.35	1.28	9.71	8.50	D
798	0241	2168.0	10.9	215	305	120	40.0	2790	2146.4	9.50	9.60	717.6	716	42.6	42.8	418	240	17.1	2.13	1.43	1.36	9.71	8.50	D
799	0246	2169.0	12.0	180	286	119	36.3	2820	2148.1	9.50	9.60	716.4	716	42.4	42.8	442	241	17.2	2.15	1.37	1.30	9.71	8.50	D
800	0256	2170.0	20.6	199	252	119	33.7	2850	2148.9	9.50	9.60	717.0	718	42.2	42.9	439	242	17.3	2.16	1.20	1.13	9.68	8.50	D†
801	0340	2171.0	19.0	287	574	123	24.1	2700	2163.5	9.50	9.60	716.2	715	41.2	43.0	421	243	17.8	2.25	1.12	1.05	9.64	8.50	D
802	0343	2172.0	18.3	251	398	121	17.6	2690	2165.1	9.50	9.60	715.8	715	41.1	43.0	439	244	17.9	2.26	1.04	.98	9.64	8.50	D-
803	0345	2173.0	23.5	199	293	119	24.0	2690	2165.2	9.50	9.60	716.6	715	40.8	43.0	458	245	17.9	2.27	1.07	1.00	9.64	8.50	D
804	0347	2174.0	42.0	235	290	119	34.4	2690	2165.4	9.50	9.60	716.5	716	40.8	43.0	469	246	17.9	2.27	1.03	.96	9.64	8.50	D
805	0350	2175.0	18.5	235	342	120	41.6	2740	2165.6	9.50	9.60	715.6	715	40.7	42.8	478	247	18.0	2.28	1.32	1.24	9.65	8.50	D
806	0356	2176.0	10.4	176	221	119	40.3	2710	2166.3	9.50	9.60	717.0	716	41.6	42.7	476	248	18.1	2.31	1.46	1.38	9.65	8.50	D
807	0359	2177.0	18.3	172	226	119	37.9	2730	2166.6	9.50	9.60	717.6	716	41.8	42.6	479	249	18.1	2.32	1.28	1.20	9.65	8.50	D
808	0402	2178.0	19.5	199	249	119	37.0	2670	2166.3	9.50	9.60	717.2	715	42.1	42.7	484	250	18.2	2.33	1.25	1.18	9.66	8.50	D
809	0428	2179.0	26.5	186	273	119	36.1	2720	2166.6	9.50	9.60	712.2	713	43.1	44.3	486	251	18.3	2.34	1.16	1.09	9.66	8.50	D†
810	0431	2180.0	17.7	212	267	119	35.6	2680	2166.8	9.50	9.60	711.3	710	43.3	45.2	485	252	18.3	2.35	1.26	1.19	9.67	8.50	D
811	0435	2181.0	19.5	192	337	120	35.6	2690	2167.0	9.50	9.60	708.1	708	43.4	45.1	486	253	18.4	2.36	1.24	1.16	9.67	8.50	D
812	0436	2182.0	34.0	180	230	119	33.6	2750	2167.0	9.50	9.60	708.9	708	43.4	45.1	487	254	18.4	2.37	1.07	1.00	9.68	8.50	D
813	0439	2183.0	18.8	223	265	119	36.3	2720	2167.4	9.50	9.60	710.8	709	43.7	44.5	481	255	18.4	2.38	1.25	1.18	9.68	8.50	D
814	0442	2184.0	22.7	201	246	119	36.2	2680	2167.8	9.50	9.60	710.9	709	43.8	44.3	478	256	18.5	2.39	1.20	1.13	9.68	8.50	D
815	0446	2185.0	12.6	198	243	119	35.6	2720	2170.2	9.50	9.60	710.9	709	43.9	44.1	484	257	18.6	2.41	1.35	1.27	9.67	8.50	D
816	0450	2186.0	15.5	184	239	119	35.0	2720	2171.0	9.50	9.60	709.2	709	44.1	44.1	476	258	18.6	2.42	1.29	1.21	9.68	8.50	D
817	0456	2187.0	10.8	197	308	120	35.4	2600	2172.0	9.50	9.60	708.1	707	44.2	43.9	477	259	18.7	2.44	1.39	1.31	9.68	8.50	D
818	0459	2188.0	18.3	200	354	120	35.4	2710	2172.9	9.50	9.60	709.1	709	44.2	44.4	476	260	18.8	2.45	1.25	1.17	9.68	8.50	D
819	0501	2189.0	23.8	247	396	121	36.5	2690	2173.7	9.50	9.60	708.0	707	44.2	44.5	476	261	18.8	2.46	1.19	1.11	9.68	8.50	D
820	0516	2190.0	11.5	199	280	119	36.0	2740	2174.8	9.50	9.60	717.8	716	44.1	44.5	475	262	18.9	2.49	1.38	1.30	9.68	8.50	D
821	0522	2191.0	11.5	176	246	119	36.3	2730	2174.8	9.50	9.60	716.0	715	44.2	44.5	473	263	19.0	2.50	1.38	1.30	9.68	8.50	D
822	0523	2192.0	31.3	216	252	119	37.7	2770	2174.8	9.50	9.60	716.5	715	44.2	44.6	473	264	19.1	2.51	1.13	1.05	9.69	8.50	D
823	0527	2193.0	14.3	206	263	119	39.4	2780	2175.0	9.50	9.60	715.6	714	44.2	44.6	474	265	19.1	2.52	1.36	1.28	9.69	8.50	D
824	0530	2194.0	24.6	243	327	120	37.8	2800	2175.6	9.50	9.60	716.4	716	44.3	44.4	476	266	19.2	2.53	1.19	1.11	9.69	8.50	D
825	0533	2195.0	21.8	211	427	121	34.9	2630	2176.3	9.50	9.60	716.8	715	44.3	44.5	473	267	19.2	2.54	1.20	1.12	9.69	8.50	D
826	0536	2196.0	15.3	195	245	119	35.7	2770	2178.1	9.50	9.60	716.1	715	44.4	44.7	474	268	19.3	2.56	1.30	1.22	9.69	8.50	D
827	0541	2197.0	12.2	220	273	119	38.3	2820	2179.8	9.50	9.60	716.4	715	44.5	45.0	472	269	19.4	2.57	1.39	1.31	9.69	8.50	D
828	0546	2198.0	12.8	242	277	119	38.8	2780	2180.9	9.50	9.60	716.3	716	44.5	45.1	474	270	19.4	2.59	1.38	1.30	9.69	8.50	D
829	0602	2199.0	12.6	223	292	119	36.9	2540	2183.3	9.50	9.60	700.2	699	44.6	45.9	469	271	19.6	2.62	1.36	1.28	9.68	8.50	D
830	0606	2200.0	13.4	180	234	119	34.6	2710	2184.8	9.50	9.60	701.1	701	44.7	45.5	467	272	19.7	2.63	1.32	1.24	9.68	8.50	D
831	0611	2201.0	12.4	203	245	119	37.4	2720	2185.4	9.50	9.60	699.8	698	44.9	45.0	469	273	19.7	2.65	1.37	1.29	9.68	8.50	D
832	0616	2202.0	10.9	202	233	119	38.0	2690	2185.7	9.50	9.60	699.0	698	45.0	45.2	468	274	19.8	2.67	1.42	1.33	9.68	8.50	D
833	0620	2203.0	18.3	239	295	120	38.0	2690	2186.3	9.50	9.60	710.7	709	45.0	45.2	465	275	19.9	2.68	1.28	1.19	9.68	8.50	D
834	0624	2204.0	13.8	228	285	119	37.1	2700	2187.7	9.50	9.60	710.0	709	45.1	45.2	467	276	20.0	2.69	1.34	1.26	9.68	8.50	D
835	0630	2205.0	13.2	209	505	122	19.7	2720	2189.6	9.50	9.60	710.5	709	45.1	45.3	464	277	20.0	2.71	1.14	1.06	9.68	8.50	D
836	0632	2206.0	36.6	149	194	118	20.1	2800	2190.5	9.50	9.60	709.6	709	45.1	45.3	463	278	20.1	2.71	.91	.84	9.68	8.50	D
837	0637	2207.0	12.7	212	279	119	33.6	2690	2191.7	9.50	9.60	709.9	709	44.9	45.5	468	279	20.2	2.73	1.33	1.24	9.68	8.50	D
838	0641	2208.0	14.8	202	269	120	35.8	2740	2192.5	9.50	9.60	710.5	709	44.6	45.4	474	280	20.2	2.74	1.31	1.23	9.68	8.50	D
839	0654	2209.0	19.0	175	264	119	20.8	2670	2196.3	9.50	9.60	707.8	707	43.7	45.5	490	281	20.3	2.76	1.07	1.00	9.66	8.50	D
840	0659	2210.0	11.6	223	265	119	35.2	2670	2196.4	9.50	9.60	708.4	707	43.7	45.4	494	282	20.4	2.78	1.37	1.28	9.67	8.50	D
841	0702	2211.0	21.0	236	288	119	35.2	2740	2196.9	9.50	9.60	708.4	707	44.1	45.5	494	283	20.5	2.79	1.21	1.13	9.67	8.50	D
842	0704	2212.0	29.1	227	262	119	34.3	2590	2197.3	9.50	9.60	707.8	707	44.2	45.6	493	284	20.5	2.79	1.12	1.03	9.67	8.50	D
843	0706	2213.0	21.3	222	273	119	34.9	2700	2197.9	9.50	9.60	715.7	711	44.4	45.6	492	285	20.5	2.80	1.21	1.12	9.68	8.50	D

ESSO AUST Conger No.1

Data Printed at time 05:47 Date Mar 14 '89
Data Recorded at time 07:11 Date Mar 7 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
844	0711	2214.0	13.1	252	444	121	34.0	2730	2199.0	9.50	9.60	707.6	707	44.7	45.6	493	286	20.6	2.82	1.32	1.24	9.68	8.50	D
845	0718	2215.0	9.14	191	249	119	35.3	2740	2200.2	9.50	9.60	708.4	708	45.0	46.0	493	287	20.7	2.84	1.43	1.34	9.67	8.50	D
846	0724	2216.0	8.89	196	253	119	34.9	2720	2202.0	9.50	9.60	709.5	708	45.2	46.2	489	288	20.8	2.86	1.43	1.35	9.67	8.50	D
847	0734	2217.0	6.10	181	248	119	36.5	2760	2204.5	9.50	9.60	709.0	708	45.6	46.4	486	289	21.0	2.89	1.55	1.46	9.66	8.50	D
848	0751	2218.0	8.82	197	364	120	40.7	2760	2206.1	9.50	9.60	710.8	711	45.9	46.0	483	290	21.2	2.93	1.51	1.41	9.66	8.50	D
849	0756	2219.0	10.1	233	336	120	42.5	2800	2207.4	9.50	9.60	710.1	709	45.9	45.9	481	291	21.3	2.95	1.49	1.39	9.66	8.50	D
850	0803	2220.0	8.99	250	359	120	42.0	2790	2209.5	9.50	9.60	710.5	709	45.9	46.1	487	292	21.4	2.97	1.52	1.42	9.65	8.50	D
851	0808	2221.0	12.2	223	285	119	41.8	2780	2211.2	9.50	9.60	709.0	708	45.9	46.3	485	293	21.5	2.99	1.43	1.33	9.65	8.50	D
852	0815	2222.0	8.08	217	299	120	43.2	2720	2212.6	9.50	9.60	710.2	710	45.9	46.0	488	294	21.6	3.02	1.56	1.46	9.65	8.50	D
853	0823	2223.0	7.89	189	238	119	40.2	2680	2213.7	9.50	9.60	709.2	709	45.9	46.4	485	295	21.7	3.04	1.53	1.43	9.65	8.50	D
854	0826	2224.0	20.8	202	255	119	40.0	2780	2214.1	9.40	9.60	711.1	709	45.9	46.5	489	296	21.8	3.05	1.27	1.17	9.65	8.50	D
855	0833	2225.0	14.8	249	487	121	43.4	2740	2214.8	9.40	9.60	712.4	712	45.9	46.8	488	297	21.9	3.07	1.39	1.29	9.65	8.50	D↑
856	0839	2226.0	9.99	201	282	119	39.2	2800	2215.2	9.40	9.60	710.0	709	46.0	46.8	489	298	22.0	3.09	1.46	1.36	9.64	8.50	D
857	0842	2227.0	19.1	193	234	119	38.5	2720	2215.2	9.40	9.60	708.9	708	46.1	46.9	487	299	22.0	3.10	1.28	1.18	9.64	8.50	D
858	0846	2228.0	13.5	172	218	119	35.7	2750	2215.7	9.40	9.60	709.6	709	45.9	47.1	494	300	22.1	3.12	1.34	1.24	9.64	8.50	D
859	0911	2229.0	15.2	219	264	119	37.9	2740	2218.4	9.40	9.60	707.7	707	45.6	48.3	507	301	22.2	3.13	1.32	1.23	9.60	8.50	D
860	0914	2230.0	29.6	226	276	119	38.4	2750	2219.2	9.40	9.60	706.0	705	45.9	48.2	507	302	22.2	3.14	1.14	1.04	9.59	8.50	D
861	0917	2231.0	17.1	221	260	119	38.3	2730	2219.5	9.40	9.60	705.1	705	46.0	48.0	505	303	22.3	3.15	1.30	1.20	9.59	8.50	D
862	0922	2232.0	11.5	203	263	119	36.7	2740	2220.2	9.40	9.60	706.7	706	46.3	47.5	501	304	22.3	3.16	1.40	1.30	9.58	8.50	D
863	0930	2233.0	11.0	233	511	122	34.1	2690	2221.7	9.40	9.60	706.8	705	46.7	47.4	500	305	22.5	3.18	1.38	1.28	9.57	8.50	D
864	0933	2234.0	24.2	237	277	119	29.1	2640	2222.5	9.40	9.60	702.1	703	46.7	47.3	501	306	22.5	3.19	1.12	1.03	9.56	8.50	D
865	0935	2235.0	25.6	239	282	119	37.0	2800	2222.8	9.40	9.60	704.6	704	46.8	47.4	499	307	22.5	3.20	1.19	1.09	9.56	8.50	D
866	0937	2236.0	24.6	214	262	119	34.4	2730	2223.0	9.40	9.60	707.1	706	46.8	47.1	499	308	22.6	3.21	1.17	1.07	9.56	8.50	
867	0951	2237.0	14.4	221	515	122	31.9	2720	2225.0	9.40	9.60	709.1	702	46.9	47.5	492	309	22.7	3.23	1.28	1.19	9.56	8.50	D↑
868	0953	2238.0	30.6	213	259	119	39.1	2790	2225.5	9.40	9.60	707.1	707	46.8	47.6	490	310	22.7	3.23	1.16	1.06	9.56	8.50	D
869	0957	2239.0	15.9	192	237	119	36.3	2720	2226.2	9.40	9.60	707.0	706	46.7	47.7	489	311	22.8	3.24	1.31	1.21	9.56	8.50	D
870	0959	2240.0	25.1	218	261	119	38.6	2770	2226.3	9.40	9.60	709.2	708	46.8	48.0	488	312	22.8	3.25	1.21	1.10	9.57	8.50	D
871	1001	2241.0	36.2	237	275	119	38.0	2740	2226.3	9.40	9.60	709.3	708	46.8	48.0	490	313	22.9	3.26	1.10	1.00	9.57	8.50	D
872	1003	2242.0	23.1	217	257	119	37.2	2740	2226.3	9.40	9.60	707.2	706	46.9	47.9	488	314	22.9	3.26	1.22	1.11	9.58	8.50	D
873	1005	2243.0	28.1	223	259	119	38.2	2660	2226.3	9.40	9.60	706.8	706	46.9	47.8	489	315	22.9	3.27	1.17	1.07	9.58	8.50	D
874	1009	2244.0	18.5	221	287	119	40.1	2780	2226.4	9.40	9.60	709.0	707	47.0	47.7	488	316	23.0	3.28	1.30	1.20	9.59	8.50	D
875	1012	2245.0	18.3	210	245	119	36.9	2700	2227.1	9.40	9.60	708.7	707	47.1	47.6	488	317	23.0	3.29	1.27	1.17	9.59	8.50	D
876	1016	2246.0	12.9	221	265	119	38.1	2790	2228.5	9.40	9.60	706.2	706	47.2	48.0	487	318	23.1	3.31	1.38	1.28	9.59	8.50	D
877	1019	2247.0	28.0	215	271	119	36.4	2770	2229.0	9.40	9.60	707.7	706	47.2	48.1	487	319	23.2	3.31	1.15	1.05	9.59	8.50	D
878	1029	2248.0	19.8	203	260	119	34.1	2910	2230.5	9.40	9.60	717.5	715	47.3	47.9	482	320	23.2	3.33	1.22	1.12	9.59	8.50	D
879	1033	2249.0	16.4	225	282	119	35.8	2920	2230.8	9.40	9.60	719.2	717	47.4	48.2	481	321	23.3	3.34	1.29	1.19	9.59	8.50	D
880	1038	2250.0	10.4	190	271	119	36.3	2910	2232.7	9.40	9.60	723.0	723	47.5	48.6	481	322	23.4	3.36	1.42	1.31	9.59	8.50	D
881	1044	2251.0	11.1	215	278	119	37.6	2770	2234.0	9.40	9.60	722.9	722	47.6	48.8	479	323	23.5	3.37	1.41	1.31	9.58	8.50	D
882	1047	2252.0	16.5	235	284	119	39.5	2830	2234.5	9.40	9.60	720.5	720	47.7	48.7	478	324	23.5	3.39	1.33	1.22	9.59	8.50	D
883	1052	2253.0	12.9	216	289	119	36.5	2870	2235.3	9.40	9.60	722.8	722	47.9	48.8	481	325	23.6	3.40	1.36	1.26	9.59	8.50	D
884	1055	2254.0	20.5	211	286	119	37.8	2830	2236.5	9.40	9.60	721.2	721	48.1	49.0	483	326	23.7	3.41	1.25	1.14	9.59	8.50	D
885	1101	2255.0	9.75	197	264	119	38.7	2860	2238.8	9.40	9.60	722.0	721	48.3	49.3	480	327	23.8	3.43	1.46	1.36	9.58	8.50	D
886	1107	2256.0	9.16	195	255	119	36.3	2930	2241.4	9.40	9.60	722.2	721	48.5	49.6	481	328	23.9	3.45	1.45	1.35	9.57	8.50	D
887	1109	2257.0	31.2	206	294	119	37.8	2870	2242.1	9.40	9.60	722.9	722	48.6	49.5	478	329	23.9	3.45	1.14	1.03	9.57	8.50	D
888	1122	2258.0	31.0	212	313	120	37.5	2810	2244.8	9.40	9.60	706.3	706	48.8	50.0	477	330	24.0	3.47	1.14	1.03	9.57	8.50	D
889	1126	2259.0	12.3	234	312	120	36.1	2810	2245.0	9.40	9.60	711.9	710	48.9	49.9	475	331	24.1	3.48	1.37	1.26	9.57	8.50	D
890	1130	2260.0	24.9	272	393	120	35.6	2790	2246.1	9.40	9.60	709.2	709	49.0	50.0	474	332	24.1	3.49	1.18	1.07	9.57	8.50	D
891	1133	2261.0	19.6	259	315	120	36.9	2770	2247.0	9.40	9.60	710.5	709	49.1	49.7	475	333	24.2	3.50	1.26	1.15	9.57	8.50	

ESSO AUST Conger No.1

Data Printed at time 05:52 Date Mar 14 '89
Data Recorded at time 11:37 Date Mar 7 '89

F#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MD lb/gal		FLOW/MIN		TEMP (C)		PVT	-THIS BIT-		EST	DXC	NXB	ECD	NXMD	
		m	m/hr	AVG	MAX	AVG	AVG	PRES	DEPTH	IN	OUT	IN	OUT	IN	OUT		m	hr	TW					
892	1137	2262.0	15.9	251	314	120	37.8	2660	2247.7	9.40	9.60	710.3	709	49.2	49.5	474	334	24.2	3.52	1.32	1.21	9.57	8.50	D
893	1140	2263.1	19.3	256	366	120	35.1	2810	2248.1	9.40	9.60	710.2	709	49.3	49.4	472	335	24.3	3.53	1.24	1.13	9.57	8.50	D
894	1143	2264.0	18.5	269	453	121	33.5	2730	2248.6	9.40	9.60	710.7	709	49.4	49.5	472	336	24.3	3.53	1.24	1.13	9.58	8.50	D
895	1146	2265.0	19.3	256	322	120	36.6	2730	2249.5	9.40	9.60	708.8	708	49.4	49.6	471	337	24.4	3.54	1.26	1.15	9.58	8.50	D
896	1158	2266.0	23.8	263	404	121	38.1	2850	2251.8	9.40	9.60	717.3	710	49.4	49.0	466	338	24.5	3.56	1.22	1.10	9.57	8.50	D†
897	1202	2267.0	15.4	258	301	120	40.8	2850	2252.5	9.40	9.60	714.2	714	49.4	50.0	464	339	24.6	3.57	1.36	1.25	9.57	8.50	D
898	1204	2268.0	27.2	256	296	119	39.0	2860	2252.9	9.40	9.60	717.0	716	49.4	49.8	464	340	24.6	3.58	1.19	1.08	9.58	8.50	D
899	1207	2269.0	20.2	258	319	120	39.8	2870	2253.3	9.40	9.60	713.6	714	49.4	49.7	464	341	24.7	3.59	1.28	1.16	9.58	8.50	D
900	1211	2270.0	16.2	261	321	120	41.1	2800	2253.9	9.40	9.60	717.3	716	49.4	49.6	463	342	24.7	3.60	1.35	1.23	9.58	8.50	D
901	1213	2271.0	26.9	246	329	120	41.3	2900	2254.7	9.40	9.60	715.6	715	49.4	49.7	464	343	24.8	3.61	1.21	1.10	9.58	8.50	D
902	1220	2272.0	13.6	322	526	122	35.3	2800	2255.2	9.40	9.60	715.8	715	49.5	50.1	461	344	24.8	3.63	1.33	1.22	9.58	8.50	D
903	1223	2273.0	17.4	252	351	120	38.6	2810	2256.2	9.40	9.60	716.4	715	49.5	50.0	461	345	24.9	3.63	1.30	1.19	9.58	8.50	D
904	1227	2274.0	16.1	278	348	120	42.0	2810	2257.0	9.40	9.60	715.0	714	49.5	50.0	460	346	25.0	3.65	1.36	1.24	9.58	8.50	D
905	1231	2275.0	15.6	258	337	120	41.6	2870	2258.2	9.40	9.60	717.9	716	49.5	50.4	461	347	25.0	3.66	1.37	1.25	9.58	8.50	D
906	1254	2276.0	14.3	262	394	120	41.0	2910	2262.7	9.40	9.60	724.9	723	49.5	51.4	449	348	25.2	3.69	1.39	1.27	9.57	8.50	D†
907	1257	2277.0	18.7	256	307	120	40.6	2890	2263.6	9.40	9.60	722.1	722	49.4	51.0	448	349	25.2	3.70	1.31	1.19	9.57	8.50	D
908	1259	2278.0	29.7	275	339	120	40.9	2930	2263.8	9.40	9.60	723.8	722	49.5	50.6	447	350	25.3	3.70	1.18	1.06	9.57	8.50	D
909	1303	2279.0	15.7	251	322	120	44.2	2800	2263.9	9.40	9.60	723.8	722	49.6	50.3	445	351	25.3	3.72	1.39	1.27	9.57	8.50	D
910	1307	2280.0	13.9	231	263	119	43.9	2900	2264.8	9.40	9.60	724.1	723	49.8	50.4	444	352	25.4	3.73	1.42	1.30	9.58	8.50	D
911	1312	2281.0	12.8	210	252	119	40.2	2850	2266.6	9.40	9.60	722.3	721	49.8	50.4	439	353	25.5	3.75	1.41	1.29	9.57	8.50	D
912	1315	2282.0	18.7	215	268	119	35.6	2930	2267.5	9.40	9.60	721.3	721	49.8	50.2	436	354	25.5	3.76	1.26	1.14	9.57	8.50	D
913	1317	2283.0	25.4	261	321	120	35.5	2840	2268.3	9.40	9.60	722.7	722	49.9	50.1	428	355	25.6	3.76	1.17	1.06	9.57	8.50	D
914	1321	2284.0	19.6	222	263	119	35.5	2880	2269.4	9.40	9.60	722.5	722	49.9	50.0	431	356	25.6	3.77	1.24	1.13	9.57	8.50	D
915	1325	2285.0	13.0	212	268	119	35.9	2850	2269.8	9.40	9.60	723.7	722	50.0	50.1	424	357	25.7	3.78	1.36	1.24	9.58	8.50	D
916	1328	2286.0	22.8	243	345	120	35.3	2890	2270.6	9.40	9.60	722.5	722	50.0	50.3	421	358	25.7	3.79	1.20	1.08	9.58	8.50	D
917	1340	2287.0	26.5	264	333	120	34.2	2860	2272.7	9.40	9.60	718.8	712	49.8	49.7	411	359	25.8	3.80	1.15	1.03	9.57	8.50	D
918	1343	2288.0	18.8	277	323	120	35.5	2880	2273.7	9.40	9.60	718.1	717	49.8	50.5	406	360	25.9	3.81	1.26	1.14	9.57	8.50	D
919	1346	2289.0	17.7	262	379	120	36.2	2810	2273.9	9.40	9.60	717.6	717	49.8	50.5	402	361	25.9	3.82	1.28	1.16	9.57	8.50	D
920	1351	2290.0	12.3	243	290	119	36.3	2880	2273.9	9.40	9.60	718.0	717	49.8	50.5	396	362	26.0	3.84	1.37	1.25	9.58	8.50	D
921	1354	2291.0	18.6	238	272	119	36.3	2900	2273.9	9.40	9.60	718.8	717	49.9	50.6	387	363	26.0	3.85	1.26	1.15	9.58	8.50	D
922	1357	2292.0	27.3	242	282	119	36.3	2890	2274.3	9.40	9.60	719.3	718	49.9	50.6	394	364	26.1	3.85	1.16	1.04	9.59	8.50	D
923	1400	2293.0	18.5	260	316	120	35.9	2870	2275.5	9.40	9.60	717.6	717	50.0	50.7	390	365	26.1	3.86	1.26	1.14	9.59	8.50	D
924	1402	2294.0	24.6	262	309	120	35.7	2850	2276.2	9.40	9.60	716.9	716	49.9	50.9	388	366	26.2	3.87	1.18	1.06	9.59	8.50	D
925	1404	2295.1	33.5	243	299	120	35.6	2810	2276.7	9.40	9.60	718.6	718	49.9	50.9	387	367	26.2	3.87	1.10	.98	9.59	8.50	D
926	1422	2296.0	17.2	253	321	120	36.3	2820	2279.2	9.40	9.60	717.9	718	49.2	51.1	367	368	26.3	3.90	1.28	1.16	9.58	8.50	D
927	1426	2297.0	15.7	258	328	120	36.1	2810	2280.5	9.40	9.60	719.2	718	49.1	50.9	365	369	26.4	3.91	1.31	1.19	9.58	8.50	D
928	1428	2298.0	23.6	286	344	120	35.7	2790	2281.4	9.40	9.60	720.1	718	49.1	51.1	361	370	26.4	3.92	1.20	1.07	9.58	8.50	D
929	1430	2299.0	31.4	283	348	120	35.5	2730	2281.8	9.40	9.60	718.5	719	49.2	50.7	361	371	26.5	3.92	1.12	1.00	9.58	8.50	D
930	1432	2300.0	40.2	304	371	120	35.6	2880	2282.1	9.40	9.60	718.1	717	49.2	50.7	354	372	26.5	3.93	1.05	.93	9.59	8.50	D
931	1434	2301.0	33.2	271	324	120	35.9	2860	2282.5	9.40	9.60	720.4	718	49.2	50.6	357	373	26.5	3.93	1.10	.98	9.59	8.50	D
932	1436	2302.0	23.4	260	311	120	36.2	2770	2283.3	9.40	9.60	719.2	718	49.2	50.7	354	374	26.6	3.94	1.20	1.08	9.59	8.50	D
933	1438	2303.0	29.6	282	407	121	36.0	2780	2283.8	9.40	9.60	719.8	718	49.2	50.5	352	375	26.6	3.94	1.14	1.01	9.59	8.50	D
934	1439	2304.0	40.3	260	294	119	36.1	2780	2283.8	9.40	9.60	721.1	720	49.3	50.2	351	376	26.6	3.95	1.05	.93	9.60	8.50	D
935	1442	2305.0	27.3	236	284	119	35.7	2820	2284.2	9.40	9.60	719.1	718	49.3	50.6	345	377	26.7	3.96	1.15	1.03	9.60	8.50	D
936	1453	2306.0	23.5	243	280	119	32.4	2840	2286.6	9.40	9.60	724.3	702	48.9	50.0	342	378	26.7	3.97	1.16	1.04	9.59	8.50	D
937	1456	2307.0	26.0	284	342	120	35.8	2860	2287.1	9.40	9.60	726.6	725	48.6	50.3	344	379	26.8	3.97	1.17	1.05	9.60	8.50	D
938	1500	2308.0	39.4	296	424	121	32.6	1630	2287.6	9.40	9.60	502.9	527	48.5	50.8	351	380	26.8	3.98	1.03	.91	9.58	8.50	D†
939	1502	2309.0	28.7	274	373	120	32.4	1660	2287.9	9.40	9.60	540.8	526	48.4	50.6	353	381	26.8	3.98	1.11	.99	9.59	8.50	D

ESSO AUST Conger No.1

Data Printed at time 05:56 Date Mar 14 '89
Data Recorded at time 15:05 Date Mar 7 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD.	
1940	1505	2310.0	21.8	241	302	120	33.7	1640	2288.5	9.40	9.60	546.9	546	48.3	50.1	358	382	26.9	3.99	1.19	1.07	9.59	8.50	D
1941	1507	2311.0	20.4	259	320	120	35.7	1660	2289.2	9.40	9.60	548.4	547	48.3	50.3	357	383	26.9	4.00	1.23	1.11	9.60	8.50	D
1942	1510	2312.0	25.7	296	339	120	36.1	1690	2289.8	9.40	9.60	547.3	546	48.2	50.1	361	384	27.0	4.01	1.17	1.05	9.60	8.50	D
1943	1514	2313.0	19.7	266	324	120	36.0	1710	2290.9	9.40	9.60	548.9	548	48.2	49.9	361	385	27.0	4.02	1.24	1.12	9.60	8.50	D-
1944	1535	2314.0	13.8	253	347	120	36.2	1720	2294.1	9.40	9.60	556.0	555	47.7	49.1	371	386	27.3	4.06	1.34	1.22	9.59	8.50	D
1945	1538	2315.0	20.1	292	346	120	35.4	1720	2294.5	9.40	9.60	556.0	555	47.6	49.5	368	387	27.3	4.07	1.23	1.11	9.59	8.50	D
1946	1543	2316.0	26.5	286	355	120	31.7	2860	2295.3	9.40	9.60	668.9	711	47.6	49.1	368	388	27.3	4.07	1.12	1.00	9.59	8.50	D↑
1947	1545	2317.0	31.7	282	331	120	30.9	2770	2295.9	9.40	9.60	715.4	694	47.5	48.8	369	389	27.4	4.08	1.07	.95	9.60	8.50	D
1948	1547	2318.0	25.3	284	325	120	31.0	2770	2296.9	9.40	9.60	716.0	714	47.5	48.8	370	390	27.4	4.08	1.13	1.01	9.60	8.50	D
1949	1550	2319.0	20.1	269	307	120	30.9	2790	2298.4	9.40	9.60	718.5	717	47.5	48.9	371	391	27.5	4.09	1.18	1.06	9.60	8.50	D
1950	1555	2320.0	13.6	255	330	120	31.3	2870	2300.2	9.40	9.60	717.3	715	47.6	48.6	371	392	27.5	4.10	1.29	1.17	9.60	8.50	D
1951	1558	2321.0	16.5	257	297	119	30.8	2800	2302.1	9.40	9.60	718.9	718	47.6	48.4	379	393	27.6	4.11	1.23	1.11	9.59	8.50	D
1952	1601	2322.0	21.4	273	302	120	31.0	2820	2303.1	9.40	9.60	718.7	718	47.7	48.1	379	394	27.6	4.12	1.17	1.05	9.59	8.50	D
1953	1605	2323.0	15.3	274	352	120	31.0	2860	2303.4	9.40	9.60	720.9	719	47.6	48.5	379	395	27.7	4.13	1.25	1.13	9.59	8.50	D
1954	1625	2324.0	24.1	243	320	120	25.1	2710	2310.1	9.40	9.60	723.9	723	47.3	49.1	397	396	27.8	4.15	1.08	.96	9.57	8.50	D
1955	1632	2325.0	13.8	282	510	122	26.8	2860	2312.6	9.40	9.60	724.7	723	47.4	48.8	400	397	27.9	4.16	1.23	1.12	9.56	8.50	D
1956	1637	2326.0	28.0	242	510	122	7.64	2830	2313.1	9.40	9.60	724.4	722	47.5	48.6	400	398	28.0	4.17	.79	.70	9.56	8.50	D↑
1957	1641	2327.0	12.9	271	384	120	26.8	2880	2314.0	9.40	9.60	722.0	721	47.7	49.3	399	399	28.0	4.18	1.25	1.13	9.56	8.50	D
1958	1645	2328.0	15.3	258	322	120	30.4	2870	2315.7	9.40	9.60	720.3	720	47.8	49.3	398	400	28.1	4.19	1.25	1.13	9.56	8.50	D
1959	1649	2329.0	15.1	272	343	120	30.4	2870	2317.5	9.40	9.60	721.8	721	48.0	49.1	391	401	28.2	4.20	1.26	1.13	9.56	8.50	D
1960	1653	2330.0	16.1	268	495	122	28.6	2830	2318.8	9.40	9.60	720.5	720	48.2	48.7	393	402	28.2	4.21	1.22	1.10	9.55	8.50	D
1961	1657	2331.0	15.1	255	319	120	30.2	2860	2319.7	9.40	9.60	720.5	720	48.3	48.2	394	403	28.3	4.22	1.25	1.13	9.56	8.50	D
1962	1706	2332.0	8.42	276	524	122	25.7	2930	2322.5	9.40	9.60	723.7	722	48.3	49.3	387	404	28.4	4.24	1.34	1.22	9.55	8.50	
1963	1723	2333.0	11.5	241	435	121	21.0	2930	2322.9	9.40	9.60	728.0	727	48.2	48.8	373	405	28.6	4.26	1.20	1.09	9.55	8.50	D
1964	1727	2334.0	14.9	227	271	119	29.1	2930	2323.4	9.40	9.60	727.1	726	48.2	49.3	373	406	28.6	4.27	1.25	1.12	9.55	8.50	D
1965	1734	2335.0	20.9	234	515	122	14.8	2880	2324.6	9.40	9.60	728.4	727	48.3	49.3	370	407	28.7	4.28	.97	.87	9.55	8.50	D
1966	1737	2336.0	21.9	249	283	119	28.1	2930	2324.9	9.40	9.60	728.2	727	48.3	49.2	370	408	28.7	4.29	1.14	1.01	9.55	8.50	D
1967	1739	2337.0	28.3	281	363	120	26.9	2900	2325.5	9.40	9.60	726.1	726	48.4	49.1	368	409	28.8	4.29	1.06	.94	9.56	8.50	D
1968	1740	2338.0	44.5	265	303	120	26.5	2960	2325.9	9.40	9.60	726.9	725	48.4	49.2	367	410	28.8	4.30	.94	.82	9.56	8.50	D
1969	1742	2339.0	29.5	273	339	120	28.1	2910	2326.3	9.40	9.60	727.9	726	48.4	49.1	369	411	28.8	4.30	1.06	.94	9.56	8.50	D
1970	1744	2340.0	35.0	271	364	120	27.1	2900	2326.6	9.40	9.60	726.6	726	48.4	49.0	364	412	28.8	4.30	1.01	.89	9.56	8.50	D
1971	1746	2341.0	26.5	279	339	120	28.5	2960	2327.3	9.40	9.60	726.6	726	48.4	48.8	364	413	28.9	4.31	1.09	.97	9.57	8.50	D
1972	1748	2342.0	31.2	273	324	120	27.5	2960	2327.7	9.40	9.60	726.8	726	48.5	49.0	363	414	28.9	4.32	1.04	.92	9.57	8.50	D
1973	1802	2343.0	17.6	255	437	121	27.8	2690	2330.1	9.40	9.60	722.2	724	48.1	49.6	354	415	29.0	4.33	1.19	1.06	9.56	8.50	D
1974	1807	2344.0	13.6	252	277	119	29.8	2750	2331.1	9.40	9.60	705.1	701	48.1	48.8	351	416	29.1	4.34	1.27	1.15	9.56	8.50	D
1975	1812	2345.0	11.7	236	293	119	30.4	2830	2331.4	9.40	9.60	704.2	703	48.1	48.8	349	417	29.2	4.35	1.32	1.19	9.56	8.50	D
1976	1816	2346.0	13.1	243	292	119	30.6	2710	2332.1	9.40	9.60	707.8	705	48.1	49.1	345	418	29.2	4.37	1.29	1.16	9.57	8.50	D
1977	1821	2347.1	14.3	234	284	119	30.0	2730	2332.3	9.40	9.60	706.5	706	48.2	49.0	344	419	29.3	4.38	1.26	1.13	9.57	8.50	D
1978	1824	2348.0	19.8	299	464	121	29.2	2730	2332.3	9.40	9.60	704.3	704	48.2	49.0	342	420	29.3	4.38	1.17	1.04	9.57	8.50	D
1979	1826	2349.0	29.0	265	316	120	29.7	2770	2332.3	9.40	9.60	703.8	703	48.2	49.0	342	421	29.4	4.39	1.08	.95	9.58	8.50	D
1980	1829	2350.0	17.1	245	285	119	30.1	2650	2333.0	9.40	9.60	704.6	704	48.2	48.9	339	422	29.4	4.40	1.22	1.09	9.58	8.50	D
1981	1834	2351.0	12.7	239	273	119	30.3	2720	2333.9	9.40	9.60	706.6	705	48.2	49.2	336	423	29.5	4.41	1.30	1.17	9.58	8.50	D
1984	1846	2352.0	23.5	292	535	122	28.8	2730	2335.8	9.40	9.60	706.7	682	48.1	49.0	327	424	29.6	4.42	1.12	1.00	9.58	8.50	D
1985	1849	2353.0	18.4	263	312	120	29.6	2760	2337.6	9.40	9.60	706.1	705	48.0	49.1	327	425	29.6	4.43	1.20	1.07	9.57	8.50	D
1986	1853	2354.0	17.5	254	301	120	29.5	2690	2339.4	9.40	9.60	705.0	704	47.8	49.4	326	426	29.7	4.44	1.21	1.08	9.57	8.50	D
1987	1857	2355.0	13.2	258	314	120	30.4	2830	2341.6	9.40	9.60	708.2	707	47.6	48.7	329	427	29.8	4.45	1.29	1.16	9.56	8.50	D
1988	1859	2356.0	27.9	267	321	120	29.9	2720	2342.1	9.40	9.60	706.1	706	47.6	48.6	327	428	29.8	4.46	1.09	.96	9.57	8.50	D
1989	1903	2357.0	17.0	259	324	120	30.3	2750	2342.1	9.40	9.60	706.6	705	47.5	48.1	327	429	29.9	4.47	1.22	1.09	9.57	8.50	

ESSO AUST Conger No.1

Data Printed at time 06:01 Date Mar 14 '89
Data Recorded at time 19:06 Date Mar 7 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
990	1906	2358.0	17.6	257	296	119	30.8	2760	2342.4	9.40	9.60	706.9	706	47.4	48.7	329	430	29.9	4.48	1.22	1.09	9.57	8.50	D
991	1909	2359.0	17.6	266	314	120	30.4	2750	2343.3	9.40	9.60	706.0	705	47.3	48.7	328	431	30.0	4.49	1.21	1.08	9.57	8.50	D
992	1913	2360.0	16.5	261	335	120	30.2	2740	2344.0	9.40	9.60	707.3	705	47.2	48.7	330	432	30.0	4.49	1.23	1.10	9.58	8.50	D
993	1916	2361.0	17.9	282	359	120	30.1	2810	2344.6	9.40	9.60	707.4	705	47.2	48.6	329	433	30.1	4.50	1.21	1.08	9.58	8.50	D
994	1941	2363.0	7.97	341	537	122	13.5	2660	2350.6	9.40	9.60	708.9	708	46.7	48.9	340	435	30.3	4.53	1.15	1.04	9.56	8.50	D↑
995	1947	2364.0	11.8	289	491	121	9.95	2770	2351.6	9.40	9.60	710.2	709	46.9	48.4	344	436	30.4	4.54	1.00	.90	9.56	8.50	D
996	1953	2365.0	10.4	291	464	121	24.2	2850	2352.8	9.40	9.60	708.5	708	46.6	49.0	353	437	30.5	4.56	1.27	1.14	9.56	8.50	D
997	2002	2366.0	12.0	276	528	122	10.2	2800	2355.3	9.40	9.60	710.6	710	45.5	48.4	378	438	30.6	4.57	1.00	.90	9.55	8.50	D
998	2008	2367.0	9.38	303	510	122	17.6	2720	2357.2	9.40	9.60	710.2	709	45.1	47.1	398	439	30.7	4.58	1.19	1.08	9.55	8.50	D
999	2012	2368.0	13.7	262	401	121	18.9	2670	2358.5	9.40	9.60	711.4	710	44.9	47.5	409	440	30.7	4.59	1.13	1.01	9.55	8.50	D
1000	2016	2369.0	15.7	254	400	121	19.4	2750	2359.8	9.40	9.60	710.3	709	44.6	47.8	420	441	30.8	4.60	1.11	.99	9.54	8.50	D
1001	2019	2370.0	18.3	228	266	119	18.4	2610	2360.6	9.40	9.60	710.4	709	44.5	47.7	428	442	30.9	4.61	1.06	.94	9.55	8.50	D
3	2041	2372.0	18.0	247	332	118	26.9	2700	2362.4	9.40	9.60	696.9	696	44.2	47.7	473	444	31.0	4.63	1.17	1.04	9.54	8.50	D↑
4	2045	2373.0	17.6	236	285	118	29.9	2580	2362.7	9.40	9.60	696.5	696	44.8	47.3	475	445	31.1	4.64	1.21	1.08	9.55	8.50	D
5	2048	2374.0	18.9	271	380	118	29.6	2640	2363.2	9.40	9.60	697.9	697	45.0	47.4	473	446	31.2	4.65	1.19	1.05	9.55	8.50	D
6	2055	2375.0	12.6	222	313	118	25.2	2790	2364.4	9.40	9.60	698.1	693	45.7	47.5	478	447	31.2	4.66	1.24	1.11	9.54	8.50	D
7	2100	2376.0	13.3	229	301	118	26.3	2690	2365.2	9.40	9.60	708.3	706	45.8	47.2	476	448	31.3	4.67	1.24	1.11	9.55	8.50	D
8	2109	2377.0	8.58	243	416	118	31.9	2690	2366.3	9.40	9.60	708.2	707	46.0	47.4	482	449	31.4	4.69	1.42	1.28	9.55	8.50	D
9	2112	2378.0	20.0	235	312	118	33.2	2750	2366.8	9.40	9.60	705.5	705	46.0	46.9	483	450	31.5	4.70	1.22	1.07	9.55	8.50	D
10	2123	2379.0	19.9	242	286	118	32.4	3210	2367.9	9.40	9.60	759.1	664	46.0	46.9	486	451	31.5	4.71	1.21	1.07	9.55	8.50	D↑
11	2125	2380.0	27.5	274	384	118	32.5	2910	2368.5	9.40	9.60	714.1	726	46.1	47.2	484	452	31.6	4.72	1.13	.99	9.56	8.50	D
12	2128	2381.0	20.2	272	328	118	32.2	2750	2369.5	9.40	9.60	719.9	720	46.1	46.8	482	453	31.6	4.72	1.20	1.06	9.56	8.50	D
14	2139	2382.0	21.4	292	396	118	32.3	2700	2371.4	9.40	9.60	703.4	702	46.3	47.0	477	454	31.7	4.74	1.19	1.05	9.55	8.50	D
15	2140	2383.0	36.8	315	355	118	33.5	2680	2371.4	9.40	9.60	702.2	701	46.3	46.3	477	455	31.7	4.74	1.06	.92	9.55	8.50	D
16	2143	2384.0	20.2	267	343	118	34.0	2790	2371.4	9.40	9.60	704.0	703	46.4	46.8	472	456	31.8	4.75	1.22	1.08	9.56	8.50	D
17	2148	2385.0	14.6	276	381	118	34.0	2680	2371.4	9.40	9.60	701.3	701	46.5	47.4	471	457	31.8	4.76	1.31	1.16	9.56	8.50	D
18	2151	2386.0	17.7	249	333	118	33.2	2770	2371.8	9.40	9.60	702.4	701	46.5	47.5	470	458	31.9	4.77	1.25	1.10	9.57	8.50	D
19	2156	2387.0	11.5	258	331	118	34.5	2760	2373.4	9.40	9.60	701.4	700	46.6	47.1	468	459	32.0	4.78	1.37	1.23	9.56	8.50	D
20	2201	2388.0	13.2	279	381	118	33.9	2630	2374.5	9.40	9.60	702.2	701	46.7	47.3	467	460	32.1	4.80	1.33	1.18	9.56	8.50	D
21	2203	2389.0	20.9	248	369	118	33.8	2780	2374.8	9.40	9.60	701.9	701	46.8	47.3	465	461	32.1	4.80	1.21	1.06	9.57	8.50	D
22	2206	2390.0	22.9	254	322	118	33.9	2750	2375.2	9.40	9.60	701.1	700	46.8	47.4	463	462	32.2	4.81	1.19	1.04	9.57	8.50	D
23	2219	2391.0	20.0	261	321	118	34.0	2730	2376.4	9.40	9.60	707.1	692	46.9	47.8	451	463	32.2	4.82	1.22	1.08	9.57	8.50	D↑
24	2222	2392.0	15.3	276	328	118	34.5	2800	2376.9	9.40	9.60	707.2	706	46.9	48.0	447	464	32.3	4.83	1.30	1.15	9.57	8.50	D
25	2226	2393.0	15.5	269	348	118	34.2	2850	2378.2	9.40	9.60	706.9	706	46.9	47.4	443	465	32.4	4.84	1.29	1.14	9.57	8.50	D
26	2228	2394.0	27.6	298	341	118	33.8	2770	2378.8	9.40	9.60	705.4	705	47.0	47.6	443	466	32.4	4.85	1.14	.99	9.57	8.50	D
27	2231	2395.0	19.6	287	377	118	33.7	2720	2379.2	9.40	9.60	706.0	705	47.0	47.7	441	467	32.4	4.86	1.22	1.08	9.57	8.50	D
28	2233	2396.0	31.1	245	328	118	32.1	2780	2379.9	9.40	9.60	707.8	706	47.0	47.7	439	468	32.5	4.86	1.09	.94	9.57	8.50	D
29	2236	2397.0	23.5	273	341	118	33.1	2820	2380.8	9.40	9.60	707.5	706	47.1	47.9	438	469	32.5	4.87	1.17	1.02	9.58	8.50	D
30	2240	2398.0	13.9	248	329	118	34.3	2720	2381.1	9.40	9.60	706.1	706	47.1	47.3	434	470	32.6	4.88	1.32	1.17	9.58	8.50	D
31	2243	2399.0	18.8	243	366	118	34.2	2700	2381.7	9.40	9.60	706.0	704	47.2	47.7	433	471	32.6	4.89	1.24	1.09	9.58	8.50	D
32	2248	2400.0	18.9	307	684	118	27.8	2710	2383.8	9.40	9.60	704.8	705	47.2	48.0	431	472	32.7	4.90	1.17	1.03	9.58	8.50	D
33	2305	2401.0	14.2	270	389	118	31.3	2740	2386.9	9.40	9.60	703.5	702	47.2	47.7	419	473	32.9	4.92	1.28	1.13	9.57	8.50	D
35	2307	2402.0	13.1	259	327	118	32.7	2690	2387.2	9.40	9.60	701.9	701	47.3	47.5	419	474	32.9	4.92	1.32	1.15	9.62	8.50	D↑
36	2312	2403.0	13.6	261	346	118	33.0	2670	2388.0	9.40	9.60	702.8	701	47.3	47.9	415	475	33.0	4.94	1.31	1.16	9.57	8.50	D
37	2316	2404.0	12.9	255	375	118	33.9	2630	2389.0	9.40	9.60	703.1	702	47.4	47.9	413	476	33.0	4.95	1.33	1.19	9.57	8.50	D
38	2324	2405.0	7.83	295	524	118	34.2	2740	2389.3	9.40	9.60	704.0	703	47.4	47.9	408	477	33.2	4.97	1.47	1.32	9.57	8.50	D
39	2328	2406.0	14.5	260	358	118	34.0	2670	2389.9	9.40	9.60	701.6	701	47.4	48.0	407	478	33.2	4.98	1.31	1.16	9.57	8.50	D
40	2331	2407.0	21.1	285	353	118	34.0	2760	2390.2	9.40	9.60	701.2	701	47.4	47.7	406	479	33.3	4.99	1.21	1.06	9.58	8.50	D

ESSO AUST Conger No.1

Data Printed at time 06:30 Date Mar 14 '89
Data Recorded at time 23:44 Date Mar 7 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD 1b/gal IN	MD 1b/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
41	2344	2408.0	18.2	311	773	118	27.0	2740	2393.1	9.40	9.60	703.0	702	47.2	47.8	411	480	33.3	5.00	1.17	1.03	9.57	8.50	D
42	2347	2409.0	16.9	215	282	118	16.9	2790	2393.4	9.40	9.60	702.5	701	47.1	47.7	412	481	33.4	5.00	1.05	.92	9.57	8.50	D
43	2354	2410.0	9.38	211	370	118	17.8	2760	2394.4	9.40	9.60	701.9	701	47.0	48.1	417	482	33.5	5.02	1.19	1.06	9.57	8.50	D
	Date	Mar 8 '89																						
44	0013	2411.0	13.7	228	393	118	21.1	2790	2395.3	9.40	9.60	699.0	673	46.2	48.3	427	483	33.6	5.03	1.16	1.02	9.57	8.50	D
45	0016	2412.0	21.9	252	323	118	34.8	2770	2395.5	9.40	9.60	697.1	696	46.1	47.8	429	484	33.7	5.04	1.21	1.05	9.58	8.50	D
46	0019	2413.0	15.1	246	381	118	37.9	2710	2396.0	9.40	9.60	698.8	698	46.1	47.6	430	485	33.7	5.05	1.34	1.18	9.58	8.50	D
47	0024	2414.0	10.3	254	368	118	42.8	2740	2397.2	9.40	9.60	697.5	696	46.1	47.5	434	486	33.8	5.06	1.50	1.33	9.58	8.50	D
48	0030	2415.0	10.5	235	372	118	38.9	2800	2398.2	9.40	9.60	695.8	696	46.1	47.7	438	487	33.9	5.08	1.45	1.29	9.58	8.50	D
49	0036	2416.0	10.2	215	289	118	38.0	2750	2399.0	9.40	9.60	696.0	695	45.8	47.7	451	488	34.0	5.10	1.44	1.28	9.58	8.50	D
50	0039	2417.0	18.0	242	297	118	37.2	2720	2399.8	9.30	9.60	699.1	698	45.6	47.7	456	489	34.1	5.11	1.28	1.12	9.58	8.50	D
51	0043	2418.0	14.8	246	476	118	36.6	2630	2401.2	9.30	9.60	697.1	696	45.4	47.8	464	490	34.1	5.12	1.33	1.17	9.58	8.50	D
52	0051	2419.0	7.66	187	410	118	36.5	2640	2401.7	9.30	9.60	698.2	697	45.3	47.3	476	491	34.2	5.14	1.51	1.35	9.57	8.50	D
53	0100	2420.0	6.85	208	322	118	38.2	2650	2403.0	9.30	9.60	697.7	696	46.0	47.8	478	492	34.4	5.16	1.56	1.40	9.55	8.50	D
54	0120	2421.0	6.33	203	328	118	39.5	2600	2405.4	9.30	9.60	699.0	698	46.9	48.2	473	493	34.6	5.20	1.60	1.44	9.52	8.50	D
55	0130	2422.0	6.83	211	248	118	39.5	2760	2411.2	9.30	9.60	698.9	698	47.2	49.0	473	494	34.8	5.22	1.59	1.42	9.49	8.50	D
56	0134	2423.0	12.6	218	275	118	38.7	2820	2411.8	9.30	9.60	708.8	707	47.4	49.4	472	495	34.9	5.24	1.41	1.24	9.48	8.50	D
57	0141	2424.0	9.64	211	313	118	38.8	2770	2412.5	9.30	9.60	707.1	706	47.9	49.7	471	496	35.0	5.25	1.48	1.32	9.47	8.50	D
58	0146	2425.0	11.5	215	302	118	38.7	2790	2413.6	9.30	9.60	707.5	706	48.3	49.6	470	497	35.1	5.27	1.44	1.27	9.46	8.50	D
59	0149	2426.0	16.5	225	297	118	36.8	2770	2414.2	9.30	9.60	706.3	706	48.4	49.2	470	498	35.1	5.28	1.32	1.15	9.46	8.50	D
60	0153	2427.0	14.8	226	299	118	37.5	2770	2414.8	9.30	9.60	708.7	707	48.6	48.6	467	499	35.2	5.29	1.36	1.19	9.46	8.50	D
61	0157	2428.0	15.8	214	255	118	37.1	2840	2415.0	9.30	9.60	707.2	706	48.7	48.6	461	500	35.2	5.30	1.33	1.17	9.46	8.50	D
62	0205	2429.0	7.57	199	258	118	37.4	2830	2415.6	9.30	9.60	705.9	707	48.8	49.3	460	501	35.4	5.32	1.54	1.37	9.46	8.50	
63	0215	2430.0	5.69	190	244	118	38.7	2790	2416.2	9.30	9.60	709.1	709	48.9	49.4	455	502	35.5	5.35	1.63	1.46	9.46	8.50	D
64	0231	2431.0	7.22	207	300	118	38.8	2800	2417.0	9.30	9.60	700.3	699	48.9	49.1	444	503	35.7	5.37	1.57	1.39	9.47	8.50	D
65	0247	2432.0	7.43	239	589	118	38.2	2750	2419.4	9.40	9.60	696.0	695	48.9	49.7	433	504	36.0	5.41	1.55	1.38	9.47	8.50	D
66	0252	2433.0	11.0	210	338	118	35.8	2710	2420.3	9.40	9.60	695.9	695	49.0	49.9	428	505	36.0	5.43	1.41	1.25	9.47	8.50	D
67	0256	2434.0	15.2	255	356	118	34.8	2710	2421.6	9.40	9.60	695.7	695	49.1	50.1	426	506	36.1	5.44	1.32	1.15	9.48	8.50	D
68	0259	2435.0	17.0	245	300	118	36.5	2730	2422.3	9.40	9.60	693.8	694	49.2	50.2	425	507	36.2	5.45	1.30	1.13	9.49	8.50	D
69	0305	2436.0	11.0	240	307	118	36.9	2770	2423.6	9.40	9.60	697.4	695	49.3	50.4	421	508	36.3	5.46	1.42	1.25	9.49	8.50	D
70	0312	2437.0	8.54	280	609	118	37.6	2690	2424.5	9.40	9.60	695.6	694	49.5	50.6	419	509	36.4	5.48	1.50	1.33	9.52	8.50	D
71	0321	2438.0	12.5	260	707	118	28.8	2780	2425.3	9.40	9.60	705.5	702	49.8	51.2	411	510	36.5	5.49	1.29	1.13	9.54	8.50	D
72	0325	2439.0	14.8	224	298	118	30.4	2700	2425.9	9.40	9.60	696.8	697	49.9	51.1	408	511	36.5	5.50	1.26	1.10	9.54	8.50	D
73	0348	2440.0	9.19	230	305	118	34.7	2840	2426.6	9.40	9.60	702.3	701	50.1	50.4	397	512	36.8	5.54	1.43	1.27	9.57	8.50	D
74	0354	2441.0	8.79	216	326	118	34.6	2790	2427.5	9.40	9.60	703.9	703	49.9	50.8	396	513	36.9	5.56	1.44	1.27	9.58	8.50	D
75	0413	2442.0	7.93	366	667	118	20.8	2770	2431.6	9.40	9.60	706.2	704	49.3	51.0	404	514	37.0	5.57	1.28	1.13	9.56	8.50	D
76	0418	2443.0	11.5	230	374	118	33.7	2760	2432.4	9.40	9.60	705.0	703	49.4	50.6	410	515	37.1	5.59	1.36	1.20	9.56	8.50	D
77	0422	2444.0	16.3	248	372	118	34.3	2720	2432.6	9.40	9.60	702.4	702	49.4	50.9	412	516	37.2	5.60	1.28	1.11	9.57	8.50	D
78	0426	2445.0	14.1	231	314	118	35.0	2800	2432.8	9.40	9.60	703.0	702	49.3	51.2	415	517	37.2	5.61	1.32	1.15	9.57	8.50	D
79	0429	2446.0	17.7	243	342	118	34.1	2790	2433.7	9.40	9.60	705.1	704	49.3	51.3	418	518	37.3	5.62	1.25	1.09	9.57	8.50	D
80	0433	2447.0	15.7	235	295	118	35.1	2810	2434.6	9.40	9.60	703.6	703	49.3	51.7	421	519	37.3	5.62	1.30	1.13	9.57	8.50	D
81	0439	2448.0	9.52	220	291	118	35.9	2730	2434.5	9.40	9.60	703.2	703	49.4	52.2	424	520	37.4	5.64	1.44	1.26	9.58	8.50	D
82	0502	2449.0	10.4	280	593	118	36.0	2790	2436.5	9.40	9.60	700.0	699	49.7	52.7	440	521	37.7	5.68	1.42	1.24	9.57	8.50	D
83	0505	2450.0	17.7	311	522	118	30.2	2640	2436.8	9.40	9.60	701.2	699	49.8	52.6	440	522	37.7	5.69	1.21	1.05	9.58	8.50	D
84	0509	2451.0	15.6	253	421	118	33.9	2700	2436.8	9.40	9.60	700.7	700	50.1	52.2	446	523	37.8	5.70	1.28	1.11	9.58	8.50	D
85	0512	2452.0	20.4	254	433	118	33.8	2690	2436.8	9.40	9.60	700.7	699	50.2	51.9	446	524	37.9	5.70	1.21	1.04	9.59	8.50	D
86	0516	2453.0	13.5	253	415	118	33.3	2740	2436.8	9.40	9.60	700.2	700	50.3	51.2	452	525	37.9	5.71	1.31	1.14	9.59	8.50	D
87	0523	2454.0	8.25	235	336	118	33.6	2770	2438.1	9.40	9.60	700.1	699	50.3	50.8	454	526	38.0	5.73	1.45	1.27	9.59	8.50	

ESSO AUST Conger No.1

Data Printed at time 06:35 Date Mar 14 '89
Data Recorded at time 05:32 Date Mar 8 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
88	0532	2455.0	6.88	233	346	118	36.5	2700	2440.1	9.40	9.50	701.0	700	50.1	50.5	461	527	38.2	5.75	1.53	1.35	9.58	8.50	D
89	0541	2456.0	6.35	230	317	118	33.9	2760	2442.6	9.40	9.50	703.5	702	49.8	50.7	470	528	38.3	5.78	1.52	1.35	9.58	8.50	D
90	0547	2457.0	10.1	251	394	118	35.8	2790	2443.6	9.40	9.50	702.2	702	49.7	50.2	472	529	38.4	5.79	1.42	1.24	9.58	8.50	D
91	0609	2458.0	9.46	272	433	118	35.3	2800	2444.2	9.40	9.50	703.4	703	49.8	50.8	468	530	38.7	5.82	1.43	1.26	9.58	8.50	D↑
92	0613	2459.0	14.6	244	456	118	33.1	2720	2445.2	9.40	9.50	703.9	703	49.8	50.7	467	531	38.7	5.83	1.29	1.12	9.58	8.50	D
93	0618	2460.0	13.6	239	328	118	36.4	2730	2446.4	9.40	9.50	702.2	702	49.9	51.0	464	532	38.8	5.84	1.35	1.17	9.58	8.50	D
94	0625	2461.0	7.95	231	291	118	38.4	2750	2448.3	9.40	9.50	704.4	703	50.1	51.3	461	533	38.9	5.86	1.52	1.33	9.57	8.50	D
95	0635	2462.0	5.87	249	454	118	40.0	2770	2449.8	9.40	9.50	703.6	702	50.4	51.1	458	534	39.1	5.89	1.62	1.43	9.57	8.50	D
96	0646	2463.0	5.53	218	415	118	39.2	2790	2451.0	9.40	9.50	703.2	703	50.6	51.2	454	535	39.3	5.92	1.63	1.44	9.57	8.50	D
97	0656	2464.0	5.80	209	256	118	39.2	2780	2452.5	9.40	9.44	704.5	703	50.7	51.1	453	536	39.4	5.94	1.61	1.43	9.57	8.50	D
98	0707	2465.0	5.56	202	267	118	35.9	2770	2453.3	9.40	9.40	703.8	703	50.8	51.1	448	537	39.6	5.97	1.58	1.40	9.57	8.50	D
99	0715	2466.0	7.00	202	267	118	38.3	2840	2454.2	9.40	9.40	704.0	703	50.8	51.5	446	538	39.8	5.99	1.55	1.36	9.57	8.50	D
100	0723	2467.0	7.74	195	239	118	38.7	2780	2455.8	9.40	9.40	701.3	701	50.9	51.3	443	539	39.9	6.01	1.53	1.34	9.57	8.50	D
101	0743	2468.0	5.51	218	328	118	37.6	2720	2457.4	9.40	9.40	695.9	695	50.8	51.2	440	540	40.1	6.05	1.61	1.42	9.56	8.50	D
102	0752	2469.0	6.21	237	307	118	38.2	2760	2458.3	9.40	9.40	696.8	696	50.8	50.2	440	541	40.3	6.07	1.58	1.39	9.56	8.50	D
103	0800	2470.0	7.25	270	488	118	35.9	2780	2459.0	9.40	9.40	695.7	695	50.7	49.7	434	542	40.4	6.09	1.51	1.33	9.57	8.50	D
+ POOH at 2471m due to high bit hours and low ROP.																								
107	2154	2472.0	5.04	168	229	110	14.6	2700	2467.0	9.40	9.40	638.8	637	38.1	39.7	426	1.00	.2	.13	1.21	1.21	9.53	8.50	D
108	2208	2473.0	4.31	148	206	110	13.9	2790	2467.0	9.40	9.40	637.0	636	39.6	43.7	413	1.99	.4	.15	1.21	1.22	9.54	8.50	D
109	2223	2474.0	9.43	166	248	110	15.6	2700	2467.0	9.40	9.40	635.5	635	41.5	41.7	406	2.95	.6	.16	1.08	1.08	9.54	8.50	D↑
110	2226	2475.0	16.6	234	341	111	23.0	2710	2467.0	9.40	9.40	635.2	635	41.7	41.8	406	4.00	.6	.16	1.06	1.06	9.55	8.50	D
111	2233	2476.0	8.54	246	342	111	27.4	2780	2467.0	9.40	9.40	636.0	635	42.0	43.3	407	4.98	.7	.17	1.27	1.27	9.55	8.50	D
112	2238	2477.0	12.4	255	388	112	28.8	2770	2467.0	9.40	9.40	636.9	636	42.0	43.5	406	5.97	.8	.18	1.19	1.19	9.56	8.50	D
113	2257	2478.0	14.7	261	383	112	33.8	2730	2468.7	9.40	9.40	638.3	637	42.1	43.0	411	7.00	1.0	.20	1.21	1.21	9.55	8.50	D
114	2303	2479.0	9.68	247	344	111	36.1	2740	2469.1	9.40	9.40	637.6	636	42.2	43.8	413	7.98	1.1	.21	1.34	1.34	9.56	8.50	D
115	2307	2480.0	15.9	273	417	112	35.2	2740	2469.3	9.40	9.40	638.0	637	42.3	44.2	419	8.99	1.1	.22	1.20	1.20	9.56	8.50	D
116	2308	2481.0	44.6	293	355	111	34.3	2730	2469.5	9.40	9.40	636.7	636	42.3	44.2	418	9.97	1.2	.22	.98	.97	9.56	8.50	D
117	2312	2482.0	14.7	273	372	112	36.7	2760	2470.0	9.40	9.40	635.0	635	42.3	44.2	422	11.0	1.2	.23	1.30	1.29	9.57	8.50	D
118	2315	2483.0	18.7	300	397	112	36.2	2710	2470.2	9.40	9.40	636.0	636	42.4	44.4	424	12.0	1.3	.24	1.22	1.22	9.57	8.50	D
119	2319	2484.0	16.9	283	408	112	36.2	2740	2470.5	9.40	9.40	638.8	637	42.5	44.6	429	13.0	1.3	.25	1.24	1.23	9.57	8.50	D
120	2322	2485.0	19.9	292	369	112	35.9	2770	2470.7	9.40	9.40	637.2	636	42.6	44.6	431	14.0	1.4	.26	1.18	1.17	9.58	8.50	D
121	2340	2486.0	13.5	277	452	112	35.9	2770	2471.4	9.40	9.40	637.9	617	42.9	45.2	449	15.0	1.5	.27	1.30	1.29	9.58	8.50	D↑
122	2343	2487.0	8.82	261	348	111	36.3	2800	2472.0	9.40	9.40	639.9	637	42.9	44.8	449	16.0	1.5	.28	1.38	1.37	9.58	8.50	D-
123	2349	2488.0	9.55	255	363	112	37.1	2700	2473.3	9.40	9.40	637.6	637	43.0	45.3	457	17.0	1.6	.29	1.37	1.36	9.58	8.50	D
124	2355	2489.0	10.2	264	388	112	38.0	2800	2474.2	9.40	9.40	636.4	635	43.2	44.9	462	18.0	1.7	.30	1.36	1.35	9.58	8.50	D
Date Mar 9 '89																								
125	0001	2490.0	10.3	277	399	112	36.7	2750	2475.0	9.40	9.40	638.9	638	43.4	45.4	469	19.0	1.8	.31	1.34	1.33	9.58	8.50	D
126	0006	2491.0	10.8	244	346	111	36.5	2700	2475.2	9.40	9.40	638.3	637	43.5	45.9	477	20.0	1.9	.32	1.32	1.31	9.58	8.50	D
127	0010	2492.0	16.8	259	359	111	35.5	2760	2475.8	9.40	9.40	637.4	636	43.6	46.1	481	21.0	2.0	.33	1.18	1.18	9.58	8.50	D
128	0015	2493.0	11.2	253	448	112	34.7	2780	2476.7	9.40	9.40	635.2	635	43.8	45.3	487	22.0	2.1	.34	1.26	1.26	9.59	8.50	D
129	0017	2494.0	29.2	275	446	112	36.8	2720	2477.1	9.40	9.40	640.9	639	43.9	45.4	489	23.0	2.1	.34	1.09	1.08	9.59	8.50	D
130	0020	2495.0	22.0	294	377	112	39.0	2630	2478.0	9.40	9.40	637.1	636	44.0	45.5	492	24.0	2.1	.35	1.21	1.20	9.59	8.50	D
131	0024	2496.0	15.3	283	405	112	38.0	2710	2479.7	9.40	9.40	638.0	637	44.1	46.2	496	25.0	2.2	.36	1.29	1.28	9.59	8.50	D
132	0029	2497.0	12.5	248	364	112	36.2	2830	2481.0	9.40	9.40	652.9	652	44.2	46.6	501	26.0	2.3	.37	1.29	1.29	9.58	8.50	D
133	0057	2498.0	18.4	290	408	112	38.0	2840	2484.6	9.40	9.40	652.0	651	44.8	46.2	514	27.0	2.5	.39	1.19	1.19	9.57	8.50	D
134	0101	2499.0	15.7	261	358	111	37.7	3070	2485.3	9.40	9.40	673.3	671	44.9	46.4	512	28.0	2.5	.40	1.28	1.27	9.58	8.50	D
135	0105	2500.0	15.4	248	308	111	36.0	3060	2486.1	9.40	9.40	674.7	673	45.1	46.9	510	29.0	2.6	.41	1.27	1.26	9.58	8.50	D
136	0108	2501.0	15.5	254	384	112	36.5	3060	2486.7	9.40	9.40	673.7	673	45.2	47.0	510	30.0	2.6	.42	1.28	1.26	9.58	8.50	D

ESSO AUST Conger No.1

Data Printed at time 06:40 Date Mar 14 '89
Data Recorded at time 01:12 Date Mar 9 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
137	0112	2502.0	19.3	244	366	112	37.9	3030	2487.3	9.40	9.40	671.2	671	45.4	46.9	507	31.0	2.7	.43	1.25	1.23	9.58	8.50	D
138	0116	2503.0	12.0	232	326	111	36.9	2920	2488.2	9.40	9.40	674.8	673	45.7	47.1	507	32.0	2.8	.44	1.36	1.35	9.58	8.50	D
139	0125	2504.0	7.16	217	284	111	38.1	2990	2490.1	9.40	9.50	674.6	674	46.0	47.4	501	33.0	2.9	.46	1.52	1.50	9.58	8.50	D
140	0131	2505.0	10.2	209	290	111	38.0	2910	2496.3	9.40	9.50	675.4	674	46.3	47.6	501	34.0	3.0	.48	1.42	1.41	9.55	8.50	D
141	0138	2506.0	8.59	223	305	111	39.3	3010	2498.3	9.40	9.50	675.0	674	46.6	47.8	496	35.0	3.1	.50	1.48	1.46	9.55	8.50	D
142	0145	2507.0	8.36	202	272	111	37.4	2880	2500.0	9.40	9.50	672.9	672	46.9	48.4	486	36.0	3.3	.51	1.37	1.36	9.55	8.50	D
143	0157	2508.0	14.6	234	344	111	35.5	2970	2500.0	9.40	9.50	683.2	682	47.1	48.6	473	37.0	3.4	.53	1.29	1.28	9.55	8.50	D
144	0200	2509.0	20.0	260	352	111	37.2	2980	2500.0	9.40	9.50	684.5	684	47.2	49.4	470	38.0	3.4	.53	1.19	1.18	9.56	8.50	D
145	0206	2510.0	11.5	253	357	111	36.7	2970	2500.1	9.40	9.50	685.5	684	47.4	49.5	467	39.0	3.5	.54	1.13	1.13	9.60	8.50	D
146	0210	2511.0	15.1	271	362	112	39.5	2970	2501.2	9.40	9.50	685.2	684	47.6	49.8	462	40.0	3.6	.54	1.18	1.18	9.60	8.50	D
147	0215	2512.0	13.7	251	365	112	36.7	3090	2502.5	9.40	9.50	684.1	683	47.9	50.0	460	41.0	3.6	.56	1.33	1.31	9.60	8.50	D
148	0219	2513.0	12.8	219	294	111	32.4	2950	2503.7	9.40	9.50	677.3	674	48.1	49.8	457	42.0	3.7	.57	1.30	1.28	9.60	8.50	D
149	0221	2514.0	23.3	251	374	112	35.7	2920	2504.3	9.40	9.50	679.5	678	48.3	49.8	455	43.0	3.7	.58	1.18	1.16	9.60	8.50	D
150	0224	2515.0	29.9	339	452	112	46.9	2960	2504.8	9.40	9.50	679.7	678	48.3	49.8	451	44.0	3.8	.58	1.21	1.19	9.61	8.50	D
151	0229	2516.0	10.1	225	367	112	41.7	2920	2505.6	9.40	9.50	677.9	677	48.6	49.5	444	45.0	3.9	.60	1.47	1.44	9.61	8.50	D
152	0235	2517.0	11.2	196	280	111	36.8	2940	2506.2	9.40	9.50	679.1	677	48.8	49.5	443	46.0	4.0	.62	1.38	1.36	9.61	8.50	D
153	0313	2518.0	13.0	244	373	112	35.0	1560	2510.8	9.50	9.50	488.1	487	49.0	50.4	413	47.0	4.3	.67	1.32	1.30	9.61	8.50	D
154	0327	2520.0	9.94	239	339	111	33.2	2010	2513.3	9.50	9.50	563.6	563	49.1	50.4	400	48.9	4.5	.71	1.37	1.35	9.63	8.50	D
155	0332	2521.0	13.2	265	322	111	36.7	2010	2514.2	9.50	9.50	567.7	566	49.1	50.1	399	50.0	4.6	.72	1.33	1.31	9.63	8.50	D
156	0336	2522.0	15.8	274	355	111	36.1	1980	2515.0	9.50	9.50	565.7	564	49.1	50.7	399	51.0	4.7	.73	1.28	1.25	9.64	8.50	D
157	0340	2523.0	13.8	266	378	112	36.6	1990	2516.2	9.50	9.50	564.8	564	49.1	50.5	392	52.0	4.7	.74	1.32	1.29	9.64	8.50	D
158	0354	2524.0	10.6	263	390	112	37.2	2900	2518.3	9.50	9.50	674.2	661	49.2	49.4	374	53.0	4.9	.77	1.39	1.37	9.66	8.50	D
159	0356	2525.0	22.1	242	310	111	37.9	2730	2518.8	9.50	9.50	655.5	658	49.2	49.8	374	54.0	4.9	.77	1.20	1.18	9.67	8.50	
160	0401	2526.0	12.3	251	355	111	40.3	2760	2519.3	9.50	9.50	656.4	655	49.2	50.2	371	55.0	5.0	.79	1.39	1.36	9.68	8.50	D
161	0405	2527.0	14.2	241	295	118	39.0	2790	2519.3	9.50	9.50	655.2	655	49.2	50.1	368	56.0	5.1	.80	1.35	1.32	9.68	8.50	D
162	0408	2528.0	18.2	252	304	120	39.4	2780	2519.3	9.50	9.50	655.2	654	49.2	50.4	367	57.0	5.1	.81	1.29	1.26	9.69	8.50	D
163	0411	2529.0	21.5	257	314	120	39.7	2760	2519.3	9.50	9.50	656.9	656	49.2	50.4	368	58.0	5.2	.82	1.25	1.22	9.70	8.50	D
164	0414	2530.0	17.1	245	297	120	38.2	2760	2517.7	9.50	9.50	657.2	656	49.2	50.6	365	59.0	5.2	.83	1.29	1.26	9.71	8.50	D
165	0418	2531.0	16.7	250	347	120	38.8	2930	2517.3	9.50	9.50	656.9	657	49.1	50.7	369	60.0	5.3	.84	1.31	1.28	9.72	8.50	D
166	0422	2532.0	16.6	250	325	120	39.0	2900	2517.9	9.50	9.50	656.7	656	49.0	51.0	370	61.0	5.3	.85	1.31	1.28	9.72	8.50	D
167	0424	2533.0	20.5	256	335	120	39.3	2780	2518.7	9.50	9.50	661.0	660	49.0	51.1	371	62.0	5.4	.86	1.25	1.22	9.72	8.50	D
168	0428	2534.0	17.8	229	336	120	37.2	2840	2519.7	9.50	9.50	659.9	659	49.1	51.2	369	63.0	5.4	.87	1.27	1.24	9.72	8.50	D
169	0439	2535.0	23.6	231	290	120	36.9	2780	2521.1	9.50	9.50	652.6	648	48.6	50.8	374	64.0	5.5	.89	1.19	1.16	9.72	8.50	D
170	0443	2536.0	15.8	254	318	120	38.2	2840	2521.5	9.50	9.50	667.0	665	48.5	51.3	376	65.0	5.6	.90	1.31	1.28	9.72	8.50	D
171	0446	2537.0	18.5	293	544	122	38.3	2920	2522.3	9.50	9.50	667.6	666	48.5	51.3	378	66.0	5.7	.91	1.27	1.24	9.72	8.50	D
172	0447	2538.0	42.0	293	449	121	38.5	2830	2522.7	9.50	9.50	665.3	665	48.5	51.0	379	67.0	5.7	.92	1.05	1.02	9.72	8.50	D
173	0451	2539.0	17.0	265	457	122	38.9	2990	2523.7	9.50	9.50	666.9	666	48.6	51.0	379	68.0	5.7	.93	1.30	1.27	9.73	8.50	D
174	0455	2540.0	15.1	256	334	120	38.5	2850	2524.8	9.50	9.50	667.3	666	48.6	50.6	383	69.0	5.8	.94	1.33	1.30	9.72	8.50	D
175	0500	2541.0	10.7	245	326	120	38.3	2990	2525.9	9.50	9.50	664.4	665	48.7	51.0	382	70.0	5.9	.96	1.42	1.38	9.72	8.50	D
176	0505	2542.0	13.2	258	343	120	40.4	2930	2526.2	9.50	9.50	666.3	665	48.7	51.2	388	71.0	6.0	.97	1.38	1.35	9.73	8.50	D
177	0508	2543.0	16.5	264	397	121	39.1	2870	2527.3	9.50	9.50	665.3	664	48.5	51.2	398	72.0	6.0	.99	1.31	1.27	9.73	8.50	D
178	0526	2544.0	17.7	255	334	120	38.7	2830	2530.3	9.50	9.50	589.9	589	47.7	50.3	425	73.0	6.2	1.01	1.29	1.25	9.71	8.50	D
179	0529	2545.0	18.8	260	317	120	36.4	2810	2531.3	9.50	9.50	583.8	585	47.5	51.7	425	74.0	6.2	1.02	1.25	1.21	9.71	8.50	D
180	0531	2546.0	22.1	260	333	120	35.5	2810	2532.0	9.50	9.50	588.8	588	47.5	51.6	427	75.0	6.3	1.03	1.20	1.16	9.71	8.50	D
181	0535	2547.0	16.7	255	309	120	35.8	2800	2532.9	9.50	9.50	589.9	589	47.5	51.7	434	76.0	6.3	1.04	1.27	1.24	9.71	8.50	D
182	0538	2548.0	19.4	232	282	120	32.3	3020	2533.7	9.50	9.50	613.7	606	47.5	51.3	433	77.0	6.4	1.05	1.20	1.16	9.72	8.50	D
183	0541	2549.0	21.4	225	275	120	33.3	2970	2534.5	9.50	9.50	609.7	609	47.6	51.5	442	78.0	6.4	1.06	1.18	1.15	9.72	8.50	D
184	0544	2550.0	17.0	255	297	120	38.3	2960	2535.3	9.50	9.50	608.2	608	47.7	51.5	446	79.0	6.5	1.07	1.29	1.26	9.72	8.50	

ESSO AUST Conger No.1

Data Printed at time 06:45 Date Mar 14 '89
Data Recorded at time 05:48 Date Mar 9 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
185	0548	2551.0	17.1	254	334	120	38.2	2990	2536.3	9.50	9.50	607.8	608	47.8	51.5	448	80.0	6.5	1.08	1.29	1.26	9.72	8.50	D
186	0551	2552.0	21.0	242	335	120	38.6	3050	2536.3	9.50	9.50	607.2	606	48.0	51.1	450	81.0	6.6	1.09	1.24	1.20	9.72	8.50	D
187	0553	2553.0	24.7	226	294	120	36.4	3040	2536.6	9.50	9.50	607.1	606	48.1	51.3	450	82.0	6.6	1.09	1.18	1.14	9.73	8.50	D
188	0615	2554.0	18.1	254	318	120	38.3	2980	2540.9	9.50	9.50	630.6	629	47.8	50.9	459	83.0	6.7	1.11	1.28	1.24	9.71	8.50	D
189	0619	2555.0	16.2	256	315	120	39.4	2960	2541.8	9.50	9.50	631.3	631	47.8	51.0	461	84.0	6.8	1.12	1.32	1.28	9.71	8.50	D
190	0624	2556.0	10.6	223	304	120	39.4	2870	2542.8	9.50	9.50	620.9	621	47.8	50.9	471	85.0	6.9	1.14	1.43	1.39	9.71	8.50	D
191	0629	2557.0	11.7	227	318	120	40.0	2870	2543.8	9.50	9.50	621.0	620	47.8	50.4	478	86.0	7.0	1.16	1.41	1.37	9.71	8.50	D
192	0635	2558.0	10.4	213	271	120	39.3	2870	2545.0	9.50	9.50	622.9	621	47.9	50.0	483	87.0	7.1	1.17	1.44	1.40	9.71	8.50	D
193	0641	2559.0	10.7	217	281	120	39.1	2870	2545.8	9.50	9.50	622.9	622	48.0	49.8	486	88.0	7.1	1.19	1.43	1.39	9.71	8.50	D
194	0644	2560.0	16.8	225	304	120	38.5	2920	2545.8	9.50	9.50	623.0	621	48.4	50.0	484	89.0	7.2	1.20	1.30	1.26	9.72	8.50	D
195	0646	2561.0	32.8	255	326	120	38.5	2960	2545.8	9.50	9.50	633.0	629	48.4	50.0	480	89.9	7.2	1.21	1.12	1.08	9.72	8.50	D
196	0649	2562.0	21.4	229	311	120	37.0	2960	2546.3	9.50	9.50	633.3	632	48.6	49.9	482	91.0	7.3	1.22	1.22	1.18	9.72	8.50	D
197	0654	2563.0	12.2	222	321	120	37.2	2960	2548.2	9.50	9.50	633.2	632	48.8	50.1	476	92.0	7.4	1.23	1.37	1.33	9.72	8.50	D
198	0710	2564.0	11.6	209	436	121	36.5	2970	2551.7	9.50	9.50	636.1	626	49.0	50.0	463	93.0	7.5	1.25	1.38	1.34	9.71	8.50	D
199	0715	2565.0	10.7	260	346	120	40.0	2970	2553.3	9.50	9.50	633.7	632	48.9	49.8	456	94.0	7.6	1.27	1.44	1.40	9.71	8.50	D
200	0721	2566.0	11.2	252	344	120	41.0	2970	2555.3	9.50	9.50	631.6	631	48.9	49.8	451	95.0	7.7	1.29	1.44	1.39	9.70	8.50	D
201	0725	2567.0	12.7	261	341	120	42.5	2980	2555.4	9.50	9.50	633.5	632	49.0	49.2	444	96.0	7.8	1.30	1.42	1.37	9.71	8.50	D
202	0730	2568.0	14.1	252	351	120	42.1	2970	2555.5	9.50	9.50	632.8	632	49.0	49.5	441	97.0	7.8	1.32	1.39	1.34	9.71	8.50	D
203	0732	2569.0	29.9	256	337	120	41.2	2980	2555.7	9.50	9.50	633.0	632	49.0	49.8	437	98.0	7.9	1.32	1.16	1.11	9.71	8.50	D
204	0734	2570.0	25.8	288	369	121	42.9	2980	2556.5	9.50	9.50	632.8	632	49.0	49.8	436	99.0	7.9	1.33	1.20	1.16	9.71	8.50	D
205	0738	2571.0	14.9	256	339	120	41.9	2980	2557.4	9.50	9.50	631.0	630	49.0	50.7	433	100	8.0	1.34	1.34	1.30	9.71	8.50	D
206	0743	2572.0	12.0	240	355	120	43.0	2990	2558.3	9.50	9.50	632.9	632	49.1	50.8	428	101	8.0	1.35	1.41	1.37	9.72	8.50	D
207	0746	2573.0	16.9	314	382	121	41.6	2990	2559.0	9.50	9.50	632.5	632	49.2	50.9	423	102	8.1	1.36	1.30	1.26	9.72	8.50	D
208	0800	2574.0	14.1	242	316	120	39.7	2950	2560.8	9.50	9.50	626.9	626	49.4	51.6	411	103	8.2	1.39	1.37	1.32	9.71	8.50	D
209	0805	2575.0	12.2	281	419	121	40.0	2950	2562.1	9.50	9.50	625.7	625	49.5	52.0	408	104	8.3	1.40	1.41	1.36	9.71	8.50	D
210	0811	2576.0	11.1	284	394	121	39.2	2950	2564.1	9.50	9.50	625.2	624	49.8	52.0	405	105	8.4	1.42	1.39	1.34	9.71	8.50	D
211	0816	2577.0	11.1	252	323	120	40.0	2950	2565.4	9.50	9.50	626.4	625	50.1	52.2	402	106	8.5	1.43	1.42	1.37	9.71	8.50	D
212	0821	2578.0	12.1	251	323	120	38.3	2960	2565.9	9.50	9.50	625.3	624	50.3	52.5	398	107	8.6	1.45	1.38	1.33	9.71	8.50	D
213	0826	2579.0	11.4	259	327	120	41.5	2950	2566.0	9.50	9.50	623.8	623	50.2	52.8	402	108	8.7	1.46	1.43	1.38	9.71	8.50	D
214	0831	2580.0	12.3	254	308	120	40.8	2630	2567.0	9.50	9.50	587.1	586	49.9	53.1	405	109	8.8	1.48	1.40	1.35	9.71	8.50	D
215	0835	2581.0	13.2	252	325	120	39.3	2810	2567.7	9.50	9.50	609.8	608	49.8	52.9	409	110	8.8	1.49	1.37	1.32	9.71	8.50	D
216	0838	2582.0	21.5	266	309	120	38.3	2800	2568.4	9.50	9.50	609.9	609	49.8	53.3	412	111	8.9	1.50	1.23	1.18	9.71	8.50	D
217	0855	2583.0	28.4	238	301	120	36.3	2990	2571.8	9.50	9.50	627.7	627	49.1	52.1	428	112	9.0	1.52	1.14	1.09	9.70	8.50	D
218	0858	2584.0	19.9	237	283	120	35.0	2990	2572.5	9.50	9.50	626.9	626	49.0	53.0	426	113	9.0	1.52	1.22	1.17	9.70	8.50	D
219	0902	2585.0	14.8	241	289	120	34.3	2980	2573.6	9.50	9.50	627.8	627	49.0	53.3	431	114	9.1	1.53	1.28	1.23	9.71	8.50	D
220	0904	2586.0	24.4	268	339	120	33.1	2980	2574.0	9.50	9.50	627.7	626	49.0	53.1	433	115	9.1	1.54	1.14	1.09	9.71	8.50	D
221	0906	2587.0	37.7	287	361	121	33.9	2960	2574.3	9.50	9.50	627.7	627	49.0	52.7	433	116	9.2	1.55	1.04	.99	9.71	8.50	D
222	0909	2588.0	17.5	280	591	123	36.0	2980	2575.0	9.50	9.50	626.6	626	49.1	52.7	435	117	9.2	1.55	1.26	1.21	9.71	8.50	D
223	0914	2589.0	11.8	257	308	120	37.6	2980	2575.2	9.50	9.50	626.8	627	49.1	52.1	433	118	9.3	1.57	1.39	1.34	9.71	8.50	D
224	0918	2590.0	16.6	256	305	120	36.1	2970	2575.9	9.50	9.50	627.1	627	49.0	51.8	436	119	9.4	1.58	1.28	1.23	9.72	8.50	D
225	0920	2591.0	22.7	255	346	120	35.2	2960	2576.4	9.50	9.50	627.8	627	49.0	51.4	435	120	9.4	1.59	1.19	1.14	9.72	8.50	D
226	0926	2593.0	14.7	236	287	120	33.8	2980	2577.5	9.50	9.50	617.4	618	49.0	51.7	440	122	9.5	1.60	1.29	1.24	9.72	8.50	D
227	0941	2595.0	13.5	210	302	120	36.4	3050	2579.4	9.50	9.50	612.5	612	48.5	51.4	450	124	9.6	1.62	1.32	1.27	9.72	8.50	D
228	0946	2596.0	12.2	208	310	120	34.8	2910	2580.5	9.50	9.50	604.8	603	48.3	51.3	453	125	9.7	1.63	1.34	1.28	9.72	8.50	D
229	0950	2597.0	16.3	217	259	119	35.0	2920	2581.1	9.50	9.50	604.8	604	48.3	51.0	458	126	9.7	1.64	1.26	1.21	9.72	8.50	D
230	0954	2598.0	12.8	213	267	120	36.2	2980	2582.0	9.50	9.50	600.0	601	48.3	50.5	461	127	9.8	1.66	1.34	1.29	9.72	8.50	D
231	0958	2599.0	14.3	214	271	120	35.2	2980	2582.9	9.50	9.50	603.3	601	48.3	50.4	465	128	9.9	1.67	1.30	1.25	9.72	8.50	D
232	1004	2600.0	10.7	230	278	120	38.3	2980	2584.2	9.50	9.50	600.1	600	48.4	50.0	467	129	10.0	1.68	1.38	1.33	9.72	8.50	D

ESSO AUST Conger No.1

Data Printed at time 06:50 Date Mar 14 '89
Data Recorded at time 10:14 Date Mar 9 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT m	THIS BIT hr	EST TW	DXC	NXB	ECD	NXMD	
233	1014	2601.0	10.0	209	270	120	36.5	2770	2584.2	9.50	9.50	589.5	591	48.4	49.9	489	130	10.1	1.70	1.39	1.34	9.70	8.50	D†
234	1018	2602.0	14.7	242	323	120	38.1	2740	2585.2	9.50	9.50	589.3	587	48.3	49.7	483	131	10.2	1.71	1.33	1.27	9.73	8.50	D
235	1023	2603.0	11.7	250	376	121	38.7	2790	2586.6	9.50	9.50	589.1	588	48.2	50.8	485	132	10.2	1.72	1.39	1.34	9.72	8.50	D
236	1038	2604.0	11.4	246	296	120	37.6	2740	2590.3	9.50	9.50	583.5	583	47.9	50.6	497	133	10.4	1.75	1.39	1.33	9.71	8.50	D
237	1044	2605.0	9.56	225	289	120	38.4	2710	2591.6	9.50	9.50	583.0	582	47.9	51.0	500	134	10.5	1.76	1.45	1.39	9.71	8.50	D
238	1046	2606.0	25.8	227	293	120	37.1	2660	2592.2	9.50	9.50	583.6	583	47.9	50.7	502	135	10.5	1.77	1.17	1.11	9.71	8.50	D
239	1051	2607.0	13.3	242	328	120	38.2	2670	2593.5	9.50	9.50	585.8	585	47.9	50.4	505	136	10.6	1.78	1.36	1.30	9.71	8.50	D
240	1055	2608.0	12.5	263	333	120	38.3	2700	2594.9	9.50	9.50	583.3	582	48.0	49.7	511	137	10.7	1.80	1.37	1.32	9.71	8.50	D
241	1100	2609.0	12.3	266	331	120	38.5	2690	2591.1	9.50	9.50	583.0	582	48.1	49.7	513	138	10.8	1.81	1.38	1.32	9.73	8.50	D
242	1105	2610.0	12.0	243	373	121	38.4	2690	2592.4	9.50	9.50	582.9	582	48.1	49.6	517	139	10.8	1.82	1.38	1.33	9.73	8.50	D
243	1110	2611.0	12.7	264	329	120	38.2	2640	2593.7	9.50	9.50	582.1	581	48.1	49.5	521	140	10.9	1.84	1.37	1.31	9.73	8.50	D
244	1115	2612.0	13.5	281	358	121	38.5	2640	2595.5	9.50	9.50	583.0	582	48.1	49.6	524	141	11.0	1.85	1.35	1.29	9.72	8.50	D
245	1118	2613.0	15.7	297	395	121	39.1	2670	2596.5	9.50	9.50	584.2	583	48.0	49.4	526	142	11.1	1.86	1.32	1.26	9.72	8.50	D
246	1151	2614.0	27.0	324	514	122	36.8	2690	2603.0	9.50	9.50	578.4	577	48.2	49.1	495	143	11.2	1.92	1.16	1.09	9.70	8.50	D†
247	1151	2615.0	24.2	321	361	121	35.4	2710	2607.2	9.50	9.50	578.4	577	48.2	49.1	496	144	11.3	1.92	1.19	1.12	9.70	8.50	D
248	1152	2316.0	29.2	286	367	121	34.8	2920	2608.7	9.50	9.50	580.2	577	48.3	49.4	495	145	11.4	1.92	1.12	1.06	9.70	8.50	D
249	1153	2617.0	23.5	247	347	120	36.2	3020	2611.5	9.50	9.50	575.7	576	48.6	49.6	493	146	11.4	1.92	1.21	1.17	9.70	8.50	D†
250	1153	2618.0	25.8	262	382	121	38.6	2990	2613.1	9.50	9.50	574.1	575	49.7	49.9	495	147	11.5	1.92	1.19	1.13	9.70	8.50	D†
251	1155	2619.0	29.5	197	346	120	37.9	2880	2614.1	9.50	9.50	573.7	573	49.8	50.0	492	148	11.5	1.92	1.18	1.12	9.69	8.50	D†
† Circulate bottoms up at 2621m. No show.																								
253	1316	2622.0	46.4	270	339	120	22.0	2690	2622.0	9.50	9.50	582.2	580	52.0	53.0	460	151	11.5	1.92	.88	.83	9.65	8.50	D†
254	1325	2623.0	34.3	280	340	120	29.8	2610	2622.1	9.50	9.50	572.4	566	52.1	52.2	461	152	11.5	1.93	1.03	.97	9.65	8.50	D†
255	1328	2624.0	18.2	290	366	121	34.3	2680	2622.1	9.50	9.50	577.0	576	52.0	52.1	453	153	11.6	1.94	1.24	1.18	9.66	8.50	
256	1331	2625.0	23.9	282	345	120	34.0	2670	2622.1	9.50	9.50	576.4	576	51.9	51.8	451	154	11.6	1.95	1.16	1.10	9.66	8.50	D
257	1335	2626.0	13.1	271	361	121	34.4	2680	2622.1	9.50	9.50	579.0	578	51.9	51.5	448	155	11.7	1.96	1.32	1.26	9.67	8.50	D
258	1341	2627.0	9.68	250	310	120	37.6	2690	2622.1	9.50	9.50	578.1	577	51.7	51.6	445	156	11.8	1.98	1.44	1.38	9.67	8.50	D
259	1346	2628.0	13.8	253	305	120	38.9	2690	2622.1	9.50	9.50	577.5	576	51.5	51.7	444	157	11.9	1.99	1.36	1.29	9.68	8.50	D
260	1349	2629.0	19.1	270	324	120	40.5	2700	2622.1	9.50	9.50	578.9	578	51.5	51.7	442	158	11.9	2.00	1.29	1.22	9.68	8.50	D
261	1351	2630.0	21.9	255	302	120	39.6	2690	2622.1	9.50	9.50	578.6	578	51.4	51.7	439	159	12.0	2.00	1.24	1.17	9.68	8.50	D
262	1353	2631.0	34.8	296	341	120	40.2	2690	2622.1	9.50	9.50	577.8	576	51.4	51.7	440	160	12.0	2.01	1.12	1.05	9.69	8.50	D
263	1355	2632.0	33.8	292	344	120	40.0	2690	2622.1	9.50	9.50	576.8	576	51.3	51.7	438	161	12.0	2.01	1.12	1.06	9.69	8.50	D
264	1418	2633.0	33.0	284	344	120	33.9	2770	2622.1	9.50	9.50	582.0	581	50.6	50.6	427	162	12.1	2.03	1.08	1.01	9.70	8.50	D
265	1419	2634.0	34.0	263	300	120	34.8	2770	2622.1	9.50	9.50	581.7	580	50.4	51.4	408	163	12.1	2.03	1.08	1.01	9.70	8.50	D
266	1421	2635.0	30.3	256	297	120	39.3	2840	2622.1	9.50	9.50	582.2	581	50.4	51.4	399	164	12.2	2.04	1.15	1.08	9.71	8.50	D
267	1423	2636.0	29.2	276	332	120	40.6	2820	2622.1	9.50	9.50	583.0	581	50.2	51.5	398	165	12.2	2.04	1.17	1.10	9.71	8.50	D
268	1425	2637.0	31.2	272	444	121	38.8	2790	2622.1	9.50	9.50	581.6	581	50.1	51.0	396	166	12.2	2.05	1.13	1.07	9.71	8.50	D
269	1427	2638.0	31.5	271	364	121	38.9	2800	2622.1	9.50	9.50	582.6	581	50.1	51.0	397	167	12.3	2.05	1.13	1.07	9.72	8.50	D
270	1429	2639.0	34.5	286	412	121	40.0	2780	2622.1	9.50	9.50	581.7	580	50.0	50.6	397	168	12.3	2.06	1.12	1.05	9.72	8.50	D
271	1431	2640.0	27.5	264	316	120	40.3	2750	2622.1	9.50	9.50	581.9	581	50.0	51.0	396	169	12.3	2.06	1.18	1.11	9.73	8.50	D
272	1434	2641.0	17.4	235	297	120	39.8	2760	2622.1	9.50	9.50	581.1	580	50.0	50.9	399	170	12.4	2.07	1.30	1.23	9.73	8.50	D
273	1441	2642.0	9.12	220	271	120	41.6	2760	2622.1	9.50	9.50	582.6	581	50.0	51.7	389	171	12.5	2.09	1.49	1.42	9.74	8.50	D
274	1502	2643.0	12.3	242	322	120	41.2	2820	2623.0	9.50	9.50	591.9	590	49.7	52.1	367	172	12.7	2.12	1.40	1.34	9.74	8.50	D
275	1506	2644.0	14.8	246	380	121	41.8	2830	2623.4	9.50	9.50	588.3	587	49.7	52.4	366	173	12.7	2.13	1.36	1.29	9.74	8.50	D
276	1508	2645.0	21.1	232	310	120	41.3	2830	2624.1	9.50	9.50	588.8	588	49.8	52.1	363	174	12.8	2.14	1.26	1.19	9.74	8.50	D
277	1511	2646.0	25.5	247	292	120	40.8	2840	2624.8	9.50	9.50	588.8	587	49.8	52.1	364	175	12.8	2.14	1.20	1.13	9.74	8.50	D
278	1513	2647.0	28.3	309	443	121	41.3	2830	2625.5	9.50	9.50	588.8	588	49.9	52.2	365	176	12.8	2.15	1.18	1.11	9.74	8.50	D
279	1515	2648.0	23.5	295	514	122	40.2	2830	2626.3	9.50	9.50	590.9	589	50.0	51.9	363	177	12.9	2.16	1.22	1.15	9.74	8.50	D
280	1518	2649.0	20.3	233	266	120	39.7	2830	2626.8	9.50	9.50	590.9	590	50.1	52.0	359	178	12.9	2.16	1.25	1.18	9.75	8.50	

ESSO AUST Conger No.1

Data Printed at time 06:55 Date Mar 14 '89
Data Recorded at time 15:21 Date Mar 9 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT- m	THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD
281	1521	2650.0	23.4	235	268	120	40.6	2820	2627.1	9.50	9.50	590.3	589	50.2	52.1	359	179	13.0	2.17	1.22	1.15	9.75	8.50 D
282	1524	2651.0	18.2	224	267	120	41.0	2820	2627.7	9.50	9.50	589.1	588	50.3	52.2	357	180	13.0	2.18	1.30	1.22	9.75	8.50 D
283	1527	2652.0	18.6	219	250	119	41.0	2810	2628.6	9.50	9.50	589.8	589	50.4	52.1	356	181	13.1	2.19	1.29	1.22	9.75	8.50 D
284	1541	2653.0	18.1	235	299	120	38.2	2110	2631.2	9.50	9.50	587.9	588	50.6	51.5	351	182	13.2	2.20	1.29	1.21	9.62	8.50 D
285	1543	2654.0	29.1	273	335	120	38.4	2100	2632.0	9.50	9.50	508.7	513	50.6	51.5	349	183	13.2	2.21	1.15	1.07	9.74	8.50 D
286	1545	2655.0	27.1	267	315	120	38.8	2120	2632.8	9.50	9.50	514.1	510	50.3	51.5	346	184	13.3	2.21	1.17	1.10	9.74	8.50 D
287	1548	2656.0	22.2	310	478	122	39.4	2120	2632.8	9.50	9.50	514.3	513	50.3	51.5	346	185	13.3	2.22	1.23	1.15	9.74	8.50 D
288	1550	2657.0	23.7	294	527	122	37.3	2170	2632.8	9.50	9.50	514.6	514	50.2	52.5	347	186	13.3	2.23	1.19	1.12	9.75	8.50 D
289	1553	2658.0	25.4	256	322	120	35.9	2170	2633.2	9.50	9.50	515.6	514	50.2	51.9	344	187	13.4	2.23	1.16	1.09	9.75	8.50 D
290	1555	2659.0	26.0	286	458	122	38.6	2190	2633.8	9.50	9.50	515.3	514	50.2	51.4	342	188	13.4	2.24	1.18	1.10	9.75	8.50 D
291	1558	2660.0	16.1	291	489	122	38.0	2210	2635.4	9.50	9.50	516.4	515	50.2	51.9	341	189	13.5	2.25	1.30	1.23	9.75	8.50 D
292	1607	2661.0	14.8	326	663	124	31.2	2290	2639.4	9.50	9.50	537.3	551	50.2	51.7	338	190	13.6	2.27	1.25	1.18	9.74	8.50 D
293	1609	2662.0	27.7	285	508	122	24.3	2270	2640.4	9.50	9.50	533.2	534	50.2	51.2	335	191	13.6	2.27	1.02	.95	9.74	8.50 D
294	1623	2663.0	23.2	314	556	123	30.9	2800	2642.6	9.50	9.50	588.1	586	50.0	50.5	326	192	13.7	2.28	1.13	1.06	9.74	8.50 D↑
295	1626	2664.0	20.5	237	431	121	35.9	2850	2642.8	9.50	9.50	585.6	584	49.8	49.6	323	193	13.8	2.29	1.21	1.13	9.74	8.50 D
296	1629	2665.0	24.1	285	442	121	36.7	2830	2642.9	9.50	9.50	585.6	585	49.7	51.6	321	194	13.8	2.30	1.17	1.10	9.74	8.50 D
297	1638	2666.0	16.5	233	647	123	25.8	2820	2643.8	9.50	9.50	586.1	586	49.7	50.5	315	195	14.0	2.31	1.13	1.07	9.74	8.50 D
298	1640	2667.0	34.3	250	312	120	32.3	2830	2644.2	9.50	9.50	588.9	587	49.8	50.6	315	196	14.0	2.32	1.04	.97	9.75	8.50 D
299	1642	2668.0	31.7	258	302	120	37.8	2820	2644.8	9.50	9.50	586.7	586	49.8	50.6	312	197	14.0	2.32	1.11	1.04	9.75	8.50 D
300	1644	2669.0	27.9	254	288	120	39.3	2820	2645.6	9.50	9.50	589.2	588	49.8	50.8	312	198	14.1	2.33	1.16	1.09	9.75	8.50 D
301	1645	2670.0	34.6	277	379	121	41.0	2820	2646.2	9.50	9.50	586.4	586	49.9	51.2	311	199	14.1	2.33	1.12	1.04	9.75	8.50 D
302	1648	2671.0	27.3	268	355	120	41.3	2830	2647.3	9.50	9.50	587.1	587	49.9	51.2	311	200	14.1	2.34	1.18	1.11	9.75	8.50 D
303	1659	2672.0	12.0	168	231	119	30.7	2890	2650.0	9.50	9.50	597.1	595	49.6	50.5	314	201	14.2	2.35	1.29	1.22	9.74	8.50 D
304	1731	2673.0	6.91	114	214	119	41.0	2810	2659.5	9.50	9.50	588.2	588	49.1	53.1	327	202	14.6	2.41	1.53	1.46	9.71	8.50 D↑
305	1756	2674.0	5.10	108	157	118	38.8	2450	2664.0	9.50	9.50	556.1	556	48.7	53.1	379	203	14.9	2.45	1.60	1.52	9.69	8.50 D
306	1804	2675.0	20.3	118	161	118	35.5	2410	2665.0	9.50	9.50	556.7	556	48.6	53.3	394	204	15.0	2.46	.97	.92	9.69	8.50 D↑
307	1815	2676.0	35.4	127	193	119	35.0	2260	2666.5	9.50	9.50	533.2	516	48.6	53.3	428	205	15.0	2.46	.85	.80	9.69	8.50 D↑
308	1817	2677.0	55.9	151	211	119	27.8	2240	2667.3	9.50	9.50	532.6	531	48.4	52.0	420	206	15.0	2.46	.71	.65	9.69	8.50 D↑
309	1820	2678.0	60.6	146	206	119	38.5	2520	2668.7	9.50	9.50	532.0	531	48.2	52.3	425	207	15.1	2.46	.84	.78	9.69	8.50 D↑
310	1822	2679.0	42.2	138	159	118	36.8	2420	2669.3	9.50	9.50	530.9	530	48.2	52.3	426	208	15.1	2.47	1.02	.94	9.69	8.50 D
+ Circulate bottoms up at 2679m. No shows.																							
312	1951	2680.0	16.2	184	337	120	35.8	2720	2679.9	9.50	9.50	587.5	586	51.8	51.9	464	209	15.1	2.47	1.29	1.21	9.65	8.50 D
313	2011	2681.0	11.5	137	293	120	20.7	2720	2680.0	9.50	9.50	585.1	585	51.3	51.0	457	210	15.4	2.50	1.18	1.12	9.66	8.50 D
314	2014	2682.0	17.6	152	192	119	36.6	2710	2680.0	9.50	9.50	587.5	586	51.3	51.1	456	211	15.4	2.51	1.27	1.19	9.66	8.50 D
315	2018	2683.0	20.1	146	186	119	37.3	2720	2680.0	9.50	9.50	587.8	586	51.2	50.9	455	212	15.5	2.52	1.25	1.17	9.66	8.50 D
316	2022	2684.0	13.9	141	191	119	36.0	2660	2680.0	9.50	9.50	586.9	586	51.0	50.9	454	213	15.5	2.53	1.33	1.25	9.67	8.50 D
317	2027	2685.0	11.6	139	168	119	36.5	2330	2680.0	9.50	9.50	595.2	594	50.9	50.7	453	214	15.6	2.54	1.38	1.30	9.67	8.50 D
318	2034	2686.0	8.35	147	214	119	37.5	2340	2680.0	9.50	9.50	594.9	594	50.7	50.7	454	215	15.7	2.56	1.47	1.39	9.68	8.50 D
319	2042	2687.0	7.13	157	256	119	37.2	2360	2680.0	9.50	9.50	595.5	595	50.0	50.7	475	216	15.9	2.58	1.51	1.43	9.68	8.50 D
320	2050	2688.0	8.06	137	175	119	37.1	2360	2680.0	9.50	9.50	595.9	595	49.3	50.8	491	217	16.0	2.60	1.47	1.39	9.69	8.50 D
321	2126	2689.0	6.31	147	311	120	36.7	2320	2680.7	9.50	9.50	587.1	586	46.6	50.1	548	218	16.3	2.63	1.48	1.40	9.69	8.50 D↑
322	2131	2690.0	21.2	122	140	118	36.2	2310	2680.7	9.50	9.50	587.0	586	46.7	50.0	553	219	16.3	2.64	.98	.92	9.69	8.50 D↑
323	2136	2691.0	36.7	128	157	118	36.7	2300	2680.7	9.50	9.50	590.2	589	46.8	49.6	558	220	16.3	2.64	.94	.87	9.69	8.50 D
324	2139	2692.0	17.4	129	165	119	34.9	2310	2680.8	9.50	9.50	590.5	589	46.9	49.3	559	221	16.4	2.65	1.25	1.17	9.70	8.50 D
325	2145	2693.0	22.4	133	283	120	33.3	2840	2682.0	9.50	9.50	660.2	657	47.2	49.5	562	222	16.4	2.65	1.17	1.09	9.70	8.50 D↑
326	2150	2694.0	16.9	108	127	118	32.9	2840	2683.5	9.50	9.50	660.4	659	47.4	49.2	564	223	16.5	2.66	1.24	1.16	9.70	8.50 D
327	2155	2695.0	12.0	114	142	118	33.3	2820	2685.0	9.50	9.50	653.9	655	47.6	49.1	566	224	16.6	2.67	1.33	1.25	9.70	8.50 D
328	2203	2696.0	7.93	116	152	118	34.4	2820	2686.3	9.50	9.50	657.0	656	47.9	49.0	570	225	16.7	2.69	1.45	1.37	9.70	8.50 D

ESSO AUST Conger No.1

Data Printed at time 06:59 Date Mar 14 '89
Data Recorded at time 22:08 Date Mar 9 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT- m	THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
329	2208	2697.0	11.7	132	162	118	35.8	2820	2687.1	9.50	9.50	655.0	659	48.0	49.0	571	226	16.8	2.71	1.37	1.28	9.69	8.50	D
330	2222	2698.0	17.0	142	163	118	36.6	2880	2688.3	9.50	9.50	663.8	662	48.2	48.9	569	227	16.9	2.72	1.28	1.19	9.70	8.50	D
331	2225	2699.0	19.2	124	156	118	34.7	2840	2688.8	9.50	9.50	659.6	659	48.2	48.9	573	228	17.0	2.73	1.23	1.14	9.70	8.50	D
332	2227	2700.0	49.7	104	123	118	34.7	2840	2688.9	9.50	9.50	659.2	659	48.3	48.8	569	229	17.0	2.73	.98	.90	9.70	8.50	D†
333	2236	2701.0	9.78	104	121	118	37.6	2880	2688.9	9.50	9.50	658.2	657	48.2	48.9	564	230	17.1	2.75	1.43	1.35	9.71	8.50	D
334	2242	2702.0	9.71	114	132	118	37.2	2900	2689.5	9.50	9.50	655.1	655	48.3	48.9	564	231	17.2	2.76	1.43	1.34	9.71	8.50	D
335	2249	2703.0	8.49	118	144	118	38.4	2900	2690.3	9.50	9.50	657.6	656	48.4	48.8	565	232	17.3	2.78	1.48	1.39	9.71	8.50	D
336	2255	2704.0	9.28	131	163	118	38.0	2900	2691.8	9.50	9.50	656.0	655	48.5	49.2	567	233	17.4	2.80	1.45	1.36	9.71	8.50	D
337	2301	2705.0	10.2	139	161	118	37.8	2910	2693.5	9.50	9.50	656.8	656	48.6	49.2	564	234	17.5	2.81	1.42	1.34	9.71	8.50	D
338	2308	2706.0	8.79	147	174	119	37.6	2910	2694.5	9.50	9.50	656.3	655	48.6	48.9	565	235	17.6	2.83	1.46	1.37	9.71	8.50	D
339	2327	2707.0	10.0	164	208	119	39.3	2870	2696.8	9.50	9.50	647.4	646	48.7	49.9	561	236	17.8	2.86	1.45	1.36	9.70	8.50	D†
340	2332	2708.1	13.7	148	179	119	38.1	2900	2697.9	9.50	9.50	648.1	647	48.7	49.4	562	237	17.9	2.87	1.35	1.26	9.70	8.50	D
341	2335	2709.0	16.6	163	221	119	38.9	2880	2697.9	9.50	9.50	648.9	649	48.7	49.8	562	238	17.9	2.88	1.31	1.22	9.70	8.50	D
342	2339	2710.0	14.2	169	198	119	39.1	2870	2698.5	9.50	9.50	651.0	650	48.8	50.1	561	239	18.0	2.89	1.35	1.26	9.70	8.50	D
343	2342	2711.0	20.2	198	281	120	39.2	2880	2699.4	9.50	9.50	652.3	651	48.8	50.3	560	240	18.0	2.90	1.26	1.17	9.71	8.50	D
344	2345	2712.0	20.8	216	259	119	39.1	2880	2700.5	9.50	9.50	649.3	649	48.9	50.4	561	241	18.1	2.90	1.25	1.16	9.71	8.50	D
345	2349	2713.0	14.5	201	256	119	39.0	2870	2701.1	9.50	9.50	651.7	650	49.0	50.2	560	242	18.1	2.91	1.34	1.25	9.71	8.50	D
346	2353	2714.0	17.9	198	244	119	38.8	2880	2701.6	9.50	9.50	650.9	650	49.1	50.1	561	243	18.2	2.92	1.29	1.19	9.71	8.50	D
347	2355	2715.0	20.4	233	274	120	38.3	2870	2701.9	9.50	9.50	651.6	650	49.2	50.1	560	244	18.3	2.93	1.25	1.15	9.71	8.50	D
348	2359	2716.0	18.8	239	296	120	39.0	2870	2702.4	9.50	9.50	650.6	649	49.3	50.4	560	245	18.3	2.94	1.27	1.18	9.71	8.50	D
	Date	Mar 10 '89																						
349	0012	2717.0	21.9	246	364	121	38.1	2840	2703.9	9.50	9.50	643.6	642	49.6	50.5	574	246	18.4	2.95	1.23	1.13	9.71	8.50	D†
350	0015	2718.0	19.9	266	375	121	38.3	2830	2704.2	9.50	9.50	633.6	636	49.6	50.8	561	247	18.5	2.96	1.25	1.16	9.71	8.50	
351	0019	2719.0	14.7	248	326	120	39.1	2860	2705.0	9.50	9.50	640.8	639	49.6	50.6	556	248	18.5	2.97	1.34	1.25	9.71	8.50	D
352	0022	2720.0	20.1	261	323	120	37.7	2850	2705.5	9.50	9.50	642.8	641	49.6	50.5	557	249	18.6	2.98	1.24	1.15	9.72	8.50	D
353	0025	2721.0	21.4	248	306	120	37.9	2850	2705.9	9.50	9.50	640.1	640	49.7	50.6	556	250	18.6	2.99	1.23	1.13	9.72	8.50	D
354	0028	2722.0	22.8	265	307	120	38.7	2860	2706.3	9.50	9.50	640.5	640	49.7	50.2	555	251	18.7	2.99	1.22	1.12	9.72	8.50	D
355	0030	2723.0	22.1	271	310	120	38.3	2860	2706.8	9.50	9.50	639.4	639	49.8	50.3	555	252	18.7	3.00	1.22	1.13	9.72	8.50	D
356	0033	2724.0	22.0	262	329	120	39.2	2870	2707.2	9.50	9.50	640.5	639	49.8	50.3	556	253	18.8	3.01	1.23	1.14	9.73	8.50	D
357	0041	2725.0	7.43	242	404	121	39.3	2860	2707.6	9.50	9.50	639.4	639	49.8	50.2	556	254	18.9	3.03	1.52	1.43	9.73	8.50	D
358	0050	2726.0	6.74	226	301	120	38.8	2860	2708.7	9.50	9.50	641.4	641	49.8	50.5	554	255	19.0	3.05	1.54	1.45	9.73	8.50	D
359	0107	2727.0	9.04	232	310	120	39.2	2840	2712.9	9.50	9.50	636.2	635	49.8	50.4	558	256	19.2	3.07	1.47	1.37	9.71	8.50	D†
360	0116	2728.0	7.12	229	318	120	39.1	2870	2715.3	9.50	9.50	635.9	635	49.7	50.2	552	257	19.3	3.10	1.54	1.44	9.71	8.50	D
361	0124	2729.0	8.60	214	275	120	38.4	2850	2717.3	9.50	9.50	634.8	635	49.7	50.8	550	258	19.5	3.11	1.48	1.38	9.70	8.50	D
362	0130	2730.0	8.22	224	286	120	38.7	2850	2717.5	9.40	9.50	636.8	636	49.6	50.6	543	259	19.6	3.13	1.49	1.39	9.71	8.50	D
363	0137	2731.0	8.86	234	293	120	39.8	2850	2719.4	9.40	9.50	636.7	635	49.7	51.0	541	260	19.7	3.15	1.49	1.39	9.70	8.50	D
364	0144	2732.0	7.97	226	290	120	39.7	2840	2721.8	9.40	9.50	635.2	635	49.8	51.2	539	261	19.8	3.17	1.52	1.41	9.69	8.50	D
365	0152	2733.0	8.06	216	292	120	39.4	2850	2724.6	9.40	9.50	636.4	635	49.9	51.4	535	262	19.9	3.19	1.51	1.41	9.68	8.50	D
366	0156	2734.0	14.1	212	262	120	39.5	2810	2725.3	9.40	9.50	636.4	636	50.0	51.3	533	263	20.0	3.20	1.36	1.26	9.67	8.50	D
367	0206	2735.0	22.5	208	254	119	35.6	2710	2725.7	9.40	9.50	634.7	628	50.1	51.2	570	264	20.1	3.20	1.21	1.11	9.60	8.50	D†
368	0211	2736.0	11.2	224	339	120	40.3	2690	2725.9	9.40	9.50	628.6	637	50.1	50.7	533	265	20.1	3.22	1.43	1.33	9.66	8.50	D
369	0215	2737.0	15.1	298	636	123	39.3	2740	2726.4	9.40	9.50	625.5	624	50.0	51.5	519	266	20.2	3.23	1.34	1.24	9.67	8.50	D
370	0228	2738.0	28.4	283	475	122	38.6	2710	2727.4	9.40	9.50	629.1	612	50.0	51.0	528	267	20.3	3.24	1.17	1.06	9.65	8.50	D†
371	0235	2739.0	9.33	275	458	122	39.2	2760	2727.4	9.40	9.50	627.8	627	50.0	52.1	512	268	20.4	3.26	1.47	1.37	9.65	8.50	D
372	0241	2740.0	9.19	337	720	124	39.3	2720	2728.3	9.40	9.50	627.0	626	50.1	52.0	509	269	20.5	3.27	1.48	1.38	9.64	8.50	D
373	0248	2741.0	9.68	251	445	121	39.5	2720	2729.0	9.40	9.50	628.6	628	50.2	51.7	508	270	20.6	3.29	1.47	1.36	9.63	8.50	D
374	0301	2742.0	5.82	260	611	123	39.9	2800	2730.6	9.40	9.50	628.0	620	50.4	50.8	504	271	20.8	3.32	1.61	1.51	9.62	8.50	D
375	0310	2743.0	6.99	237	417	121	39.6	2920	2731.8	9.40	9.50	627.8	627	50.3	50.7	498	272	21.0	3.34	1.56	1.46	9.60	8.50	

ESSO AUST Conger No.1

Data Printed at time 07:04 Date Mar 14 '89
Data Recorded at time 03:19 Date Mar 10 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS BIT- m	-THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD
376	0319	2744.0	6.29	224	355	120	39.9	2830	2733.1	9.40	9.50	629.7	630	50.2	50.8	496	273	21.1	3.36	1.60	1.49	9.60	8.50 D
377	0327	2745.0	7.43	214	347	120	39.8	2840	2734.2	9.40	9.50	631.9	630	50.1	50.8	495	274	21.3	3.38	1.55	1.44	9.60	8.50 D
378	0332	2746.0	11.7	212	276	120	38.9	2840	2736.0	9.40	9.50	630.7	630	50.1	50.9	493	275	21.3	3.39	1.42	1.31	9.60	8.50 D
379	0334	2747.0	34.1	252	523	122	39.3	2850	2736.7	9.40	9.50	632.1	630	50.1	51.1	491	276	21.4	3.40	1.13	1.02	9.60	8.50 D
380	0336	2748.0	28.3	332	628	123	39.4	2830	2737.0	9.40	9.50	632.6	632	50.1	51.1	491	277	21.4	3.40	1.18	1.07	9.60	8.50 D
381	0356	2749.0	23.2	225	473	122	18.9	2890	2739.4	9.40	9.50	635.3	635	50.1	52.6	482	278	21.5	3.42	1.01	.92	9.60	8.50 D
382	0400	2750.0	23.4	244	503	122	33.0	2900	2739.9	9.40	9.50	634.7	634	50.1	52.8	482	279	21.6	3.43	1.17	1.07	9.60	8.50 D
383	0402	2751.0	26.5	242	509	122	41.4	2890	2740.2	9.40	9.50	634.5	634	50.1	52.7	482	280	21.6	3.43	1.22	1.11	9.60	8.50 D
384	0408	2752.0	9.69	236	316	120	41.3	2900	2741.1	9.40	9.50	637.1	636	50.3	52.5	478	281	21.7	3.45	1.49	1.38	9.60	8.50 D
385	0415	2753.0	8.58	227	281	120	37.4	2910	2742.1	9.40	9.50	635.7	634	50.5	52.7	480	282	21.8	3.47	1.48	1.37	9.60	8.50 D
386	0423	2754.0	7.25	220	280	120	38.0	2880	2742.8	9.40	9.50	635.1	635	50.8	52.6	475	283	22.0	3.49	1.53	1.42	9.60	8.50 D
387	0432	2755.0	6.33	210	272	120	37.8	2890	2744.0	9.40	9.50	637.8	636	51.0	52.6	475	284	22.1	3.51	1.57	1.46	9.60	8.50 D
388	0440	2756.0	7.55	215	280	120	37.9	2880	2744.7	9.40	9.50	639.0	637	51.1	52.4	472	285	22.3	3.53	1.52	1.41	9.60	8.50 D
389	0448	2757.0	7.63	218	288	120	38.0	2880	2745.7	9.40	9.50	636.9	635	51.2	52.8	466	286	22.4	3.55	1.52	1.41	9.60	8.50 D
390	0524	2758.0	6.68	222	343	120	37.8	2950	2752.0	9.40	9.50	642.0	641	51.0	52.7	452	287	22.9	3.61	1.56	1.44	9.58	8.50 D
391	0526	2759.0	26.4	231	279	120	37.2	2940	2752.3	9.40	9.50	640.4	640	51.0	52.7	450	288	22.9	3.62	1.18	1.07	9.58	8.50 D
392	0534	2760.0	45.5	217	297	120	33.2	2910	2753.0	9.40	9.50	635.3	609	51.0	51.9	456	289	22.9	3.62	1.00	.89	9.58	8.50 D†
393	0540	2761.0	8.74	239	340	120	37.2	2900	2753.9	9.40	9.50	633.7	633	50.9	52.7	449	290	23.0	3.64	1.48	1.36	9.58	8.50 D
394	0542	2762.0	29.8	231	280	120	37.2	2890	2754.1	9.40	9.50	633.5	633	50.9	52.9	448	291	23.1	3.64	1.15	1.03	9.59	8.50 D
395	0549	2763.0	8.29	237	316	120	37.8	2880	2754.9	9.40	9.50	634.0	633	50.9	52.7	444	292	23.2	3.66	1.50	1.38	9.59	8.50 D
396	0553	2764.0	15.1	242	303	120	37.0	2890	2755.3	9.40	9.50	632.6	632	50.9	52.7	443	293	23.2	3.67	1.33	1.21	9.59	8.50 D
397	0600	2765.0	8.57	235	321	120	37.0	2890	2756.2	9.40	9.50	633.5	633	51.0	52.9	431	294	23.4	3.68	1.48	1.36	9.59	8.50 D
398	0605	2766.0	12.1	229	298	120	37.5	2330	2756.8	9.40	9.50	567.2	569	51.0	52.9	417	295	23.4	3.70	1.39	1.28	9.59	8.50 D
399	0629	2767.0	13.1	248	300	120	37.3	2270	2757.2	9.40	9.50	554.8	555	50.6	52.7	388	296	23.6	3.72	1.37	1.25	9.59	8.50 D
400	0632	2768.0	15.4	250	331	120	37.4	2270	2757.6	9.40	9.50	556.4	555	50.3	52.7	387	297	23.7	3.73	1.33	1.21	9.59	8.50 D
401	0639	2769.0	9.86	248	309	120	38.0	2270	2757.6	9.40	9.50	556.9	556	50.2	52.3	390	298	23.8	3.74	1.45	1.33	9.60	8.50 D
402	0643	2770.0	12.3	244	311	120	37.7	2270	2757.6	9.40	9.50	555.9	556	50.2	52.1	390	299	23.9	3.75	1.39	1.27	9.60	8.50 D
403	0650	2771.0	8.63	235	347	120	38.3	2260	2758.0	9.40	9.50	553.5	554	50.2	52.0	395	300	24.0	3.77	1.49	1.37	9.60	8.50 D
404	0653	2772.0	26.8	257	341	120	37.0	2280	2758.2	9.40	9.50	555.6	554	50.2	51.7	394	301	24.0	3.78	1.17	1.05	9.61	8.50 D
405	0655	2773.0	26.6	261	317	120	37.3	2270	2758.4	9.40	9.50	552.3	553	50.2	51.7	396	302	24.1	3.78	1.18	1.06	9.61	8.50 D
406	0658	2774.0	20.7	261	312	120	38.0	2270	2758.8	9.40	9.50	554.9	555	50.2	51.8	395	303	24.1	3.79	1.25	1.13	9.61	8.50 D
407	0729	2775.0	24.6	275	332	120	31.9	2290	2765.0	9.40	9.50	553.9	553	50.3	53.5	397	304	24.1	3.79	1.15	1.03	9.59	8.50 D†
408	0739	2776.0	24.7	279	361	121	36.2	2260	2765.8	9.40	9.50	553.1	536	50.6	52.6	438	305	24.2	3.80	1.19	1.07	9.59	8.50 D†
+ Circulated bottoms up at 2776m. POH to cut core 1.																							
+ CB#2 CHRIS RC476 9 7/8".																							
Date Mar 11 '89																							
413	2113	2776.5	14.5	206	390	68	4.91	1110	2776.0	9.40	9.50	361.6	360	44.2	46.4	410	.50	.2	.01	.77	1.71	9.53	8.50 D
414	2115	2777.1	15.0	239	385	66	7.23	1150	2776.0	9.40	9.50	361.2	361	44.2	46.4	411	.95	.2	.01	.83	1.71	9.53	8.50 D
415	2118	2778.0	20.0	215	352	68	6.46	1150	2776.0	9.40	9.50	362.0	361	44.0	47.0	417	1.93	.2	.01	.76	1.71	9.54	8.50 D
416	2121	2778.5	19.0	220	341	67	7.21	1110	2776.0	9.40	9.50	362.2	361	43.9	47.4	421	2.50	.3	.01	.78	1.71	9.54	8.50 D
417	2122	2779.0	17.0	187	303	69	5.66	1140	2776.0	9.40	9.50	361.9	361	43.9	47.4	423	3.00	.3	.02	.77	1.71	9.54	8.50 D
418	2124	2779.5	14.5	196	301	71	6.11	1120	2776.0	9.40	9.50	361.0	360	43.9	47.4	423	3.41	.3	.02	.81	1.71	9.54	8.50 D
419	2125	2780.0	15.0	189	338	68	5.88	1140	2776.0	9.40	9.50	361.3	360	43.8	47.3	428	3.99	.4	.02	.79	1.71	9.55	8.50 D
420	2127	2780.5	15.0	199	307	68	6.26	1140	2776.0	9.40	9.50	362.0	361	43.8	47.3	430	4.40	.4	.02	.81	1.71	9.55	8.50 D
421	2128	2781.0	15.3	296	341	68	10.4	1170	2776.0	9.40	9.50	361.7	361	43.8	47.3	431	4.82	.4	.02	.90	1.72	9.55	8.50 D
422	2130	2781.5	15.5	258	348	67	9.56	1150	2776.0	9.40	9.50	362.3	361	43.8	47.4	436	5.46	.5	.03	.87	1.72	9.55	8.50 D
423	2132	2782.1	17.0	250	390	62	9.54	1150	2776.0	9.40	9.50	360.4	360	43.8	47.4	435	5.89	.5	.03	.84	1.72	9.56	8.50 D
424	2133	2782.5	17.5	266	377	63	9.41	1130	2776.0	9.40	9.50	359.7	360	43.8	47.4	437	6.41	.5	.03	.83	1.72	9.56	8.50 D

ESSO AUST Conger No.1

Data Printed at time 13:47 Date Mar 15 '89
Data Recorded at time 05:34 Date Mar 13 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
476	0534	2817.0	6.72	229	306	106	40.0	2480	2801.8	9.40	9.50	598.6	597	47.0	49.4	388	22.5	4.2	.42	1.55	1.53	9.61	8.50	D
477	0542	2818.0	8.06	223	293	104	40.1	2500	2803.6	9.40	9.50	595.4	595	47.2	49.3	405	23.5	4.4	.44	1.49	1.48	9.61	8.50	D
478	0547	2819.0	12.6	230	338	104	40.2	2500	2803.8	9.40	9.50	595.8	595	47.2	49.1	407	24.5	4.5	.46	1.37	1.36	9.61	8.50	D
479	0553	2820.0	10.7	253	330	104	40.9	2520	2804.7	9.40	9.50	595.9	595	47.3	49.3	403	25.5	4.6	.47	1.42	1.41	9.61	8.50	D
480	0602	2821.0	7.76	230	325	105	40.8	2420	2807.9	9.40	9.50	595.1	594	47.5	49.4	397	26.5	4.7	.50	1.51	1.50	9.61	8.50	D
481	0611	2822.0	6.69	234	285	104	41.2	2650	2810.5	9.40	9.50	596.4	595	47.7	49.2	389	27.5	4.9	.52	1.56	1.54	9.60	8.50	D
482	0620	2823.0	6.85	241	292	104	41.7	2710	2812.9	9.40	9.50	594.8	594	47.9	49.1	380	28.5	5.0	.55	1.56	1.54	9.59	8.50	D
483	0630	2824.0	6.62	227	273	105	40.9	2530	2813.9	9.40	9.50	595.2	594	48.1	49.5	376	29.5	5.2	.58	1.56	1.54	9.59	8.50	D
484	0647	2825.0	14.9	228	321	105	40.6	2690	2814.4	9.40	9.50	598.7	597	48.1	48.1	400	30.5	5.3	.59	1.33	1.31	9.60	8.50	D
485	0648	2826.0	54.6	233	309	106	39.2	2580	2814.8	9.40	9.50	599.0	598	48.1	48.1	397	31.5	5.3	.60	.97	.95	9.60	8.50	D
486	0656	2827.0	52.1	234	334	110	39.5	2730	2815.5	9.40	9.50	598.6	566	48.0	49.1	420	32.4	5.3	.60	.95	.93	9.60	8.50	D
487	0659	2828.0	33.2	208	380	112	38.6	2700	2816.0	9.40	9.50	600.1	599	47.8	46.8	381	33.5	5.4	.61	1.12	1.09	9.60	8.50	D
488	0703	2829.0	16.3	225	278	112	41.3	2680	2816.4	9.40	9.50	598.4	598	47.7	48.3	371	34.5	5.4	.62	1.33	1.31	9.60	8.50	D
489	0709	2830.0	12.2	215	282	112	40.4	2710	2817.1	9.40	9.50	598.6	598	47.5	49.2	343	35.4	5.5	.64	1.41	1.38	9.60	8.50	D
490	0710	2831.0	24.5	214	251	113	39.6	2730	2817.3	9.40	9.50	601.3	599	47.5	49.3	336	36.5	5.6	.64	1.21	1.19	9.61	8.50	D
491	0716	2832.0	10.4	227	269	112	40.6	2540	2817.9	9.40	9.50	599.0	599	47.5	49.2	319	37.5	5.7	.66	1.45	1.42	9.61	8.50	D
492	0724	2833.0	7.91	218	278	112	40.0	2550	2819.3	9.40	9.50	597.8	598	47.8	50.0	318	38.5	5.8	.68	1.52	1.49	9.61	8.50	D
493	0732	2834.0	8.04	219	281	111	39.5	2630	2820.5	9.40	9.50	598.6	597	48.0	49.6	331	39.5	5.9	.71	1.50	1.48	9.61	8.50	D
494	0752	2835.0	12.7	251	374	109	41.6	2290	2821.6	9.40	9.50	557.0	555	46.7	47.8	383	40.5	6.1	.73	1.40	1.37	9.60	8.50	D
495	0755	2836.0	23.0	283	380	107	44.4	2170	2822.0	9.40	9.50	556.9	556	46.2	48.7	363	41.5	6.1	.74	1.25	1.23	9.61	8.50	D
496	0801	2837.0	28.3	283	404	107	43.7	2580	2822.5	9.40	9.50	595.9	570	45.7	48.8	367	42.4	6.2	.75	1.19	1.17	9.61	8.50	D
497	0805	2838.0	15.3	287	358	107	43.4	2460	2822.9	9.40	9.50	598.8	598	45.2	49.4	377	43.4	6.3	.76	1.36	1.33	9.61	8.50	D
498	0810	2839.0	15.5	275	366	108	41.6	2650	2823.2	9.40	9.50	598.4	598	45.0	50.0	382	44.4	6.3	.77	1.34	1.31	9.62	8.50	D
499	0812	2840.0	23.6	273	376	107	42.9	2630	2823.5	9.40	9.50	600.0	599	45.0	49.9	385	45.5	6.4	.78	1.23	1.20	9.62	8.50	D
500	0816	2841.0	17.7	290	393	107	41.1	2620	2823.9	9.40	9.50	599.1	598	45.1	49.8	389	46.4	6.4	.79	1.29	1.27	9.62	8.50	D
501	0820	2842.0	14.8	290	408	107	39.9	2470	2824.3	9.40	9.50	599.6	599	45.3	49.9	396	47.5	6.5	.80	1.33	1.30	9.62	8.50	D
502	0825	2843.0	11.3	287	385	108	41.4	2640	2824.7	9.40	9.50	600.2	599	45.6	50.1	403	48.5	6.6	.82	1.42	1.39	9.63	8.50	D
503	0831	2844.0	11.5	294	400	107	40.8	2660	2826.4	9.40	9.50	598.5	598	45.8	48.8	412	49.5	6.7	.83	1.41	1.38	9.62	8.50	D
504	0834	2845.0	18.4	304	409	107	40.6	2550	2827.5	9.40	9.50	600.6	599	45.9	49.0	416	50.5	6.7	.84	1.28	1.25	9.62	8.50	D
505	0849	2846.0	18.9	294	422	107	38.9	2580	2830.3	9.40	9.50	602.3	601	45.7	47.9	440	51.5	6.8	.86	1.25	1.23	9.62	8.50	D
506	0853	2847.0	17.1	304	404	107	39.4	2610	2831.5	9.40	9.50	602.8	601	45.5	48.3	440	52.4	6.9	.87	1.29	1.26	9.61	8.50	D
507	0857	2848.0	15.8	280	389	107	39.8	2620	2832.1	9.40	9.50	600.5	600	45.3	48.7	443	53.5	7.0	.88	1.31	1.28	9.62	8.50	D
508	0901	2849.0	15.3	287	392	106	39.2	2550	2832.6	9.40	9.50	601.9	601	45.3	49.4	447	54.5	7.0	.89	1.31	1.28	9.62	8.50	D
509	0906	2850.0	13.5	303	402	105	39.4	2540	2833.4	9.40	9.50	598.7	598	45.3	49.6	452	55.5	7.1	.90	1.35	1.32	9.62	8.50	D
510	0911	2851.0	13.1	292	419	103	39.4	2560	2833.8	9.40	9.50	599.9	600	45.4	47.7	458	56.4	7.2	.91	1.35	1.32	9.62	8.50	D
511	0917	2852.0	11.3	267	399	108	38.9	2710	2834.5	9.40	9.50	600.9	600	45.7	48.8	464	57.5	7.3	.93	1.40	1.37	9.62	8.50	D
512	0919	2853.0	22.5	253	346	109	39.0	2710	2834.6	9.40	9.50	602.1	600	45.8	47.3	468	58.5	7.3	.94	1.21	1.18	9.63	8.50	D
513	0922	2854.0	21.5	252	353	108	39.1	2670	2834.9	9.40	9.50	600.3	600	45.8	48.5	470	59.5	7.4	.94	1.22	1.19	9.63	8.50	D
514	0943	2855.0	21.7	290	408	108	38.8	2530	2839.0	9.40	9.50	591.1	591	46.4	48.5	467	60.4	7.6	.97	1.22	1.19	9.62	8.50	D
515	0945	2856.0	27.4	302	418	107	38.2	2570	2839.6	9.40	9.50	592.1	591	46.5	49.7	467	61.5	7.6	.98	1.15	1.12	9.62	8.50	D
516	0949	2857.0	17.6	284	399	108	39.3	2510	2840.7	9.40	9.50	595.0	594	46.7	49.1	466	62.5	7.7	.99	1.28	1.25	9.62	8.50	D
517	0951	2858.0	24.2	285	374	108	39.0	2520	2841.4	9.40	9.50	593.3	593	46.9	49.9	477	63.4	7.7	1.00	1.19	1.16	9.62	8.50	D
518	0955	2859.0	17.8	265	353	107	39.5	2350	2842.2	9.40	9.50	592.7	591	47.1	50.0	485	64.5	7.8	1.01	1.28	1.25	9.62	8.50	D
519	0959	2860.0	17.1	260	366	108	39.3	2500	2842.9	9.40	9.50	592.2	592	47.1	50.0	494	65.5	7.8	1.02	1.29	1.26	9.62	8.50	D
520	1001	2861.0	19.2	284	322	108	40.1	2500	2843.4	9.40	9.50	592.7	592	47.0	49.6	499	66.4	7.9	1.02	1.26	1.23	9.62	8.50	D
521	1005	2862.0	15.6	261	365	107	38.9	2530	2844.2	9.40	9.50	594.9	593	47.0	50.1	506	67.5	7.9	1.03	1.31	1.27	9.62	8.50	D
522	1028	2863.0	15.2	265	367	106	39.3	2440	2847.4	9.40	9.50	593.6	593	46.4	49.8	515	68.4	8.2	1.07	1.32	1.28	9.61	8.50	D
523	1035	2864.0	12.3	257	351	103	39.5	2580	2849.0	9.40	9.50	594.2	593	46.5	49.7	514	69.5	8.3	1.09	1.37	1.33	9.61	8.50	

ESSO AUST Conger No.1

Data Printed at time 13:49 Date Mar 15 '89
Data Recorded at time 10:38 Date Mar 13 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	THIS BIT- m	THIS BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
524	1038	2865.1	25.4	267	471	103	39.1	2580	2849.6	9.40	9.50	593.6	593	46.6	49.9	514	70.5	8.3	1.09	1.17	1.13	9.61	8.50	D
525	1042	2866.0	17.3	301	385	104	39.9	2660	2850.2	9.40	9.50	594.9	594	46.7	49.9	513	71.5	8.4	1.10	1.28	1.25	9.61	8.50	D
526	1046	2867.1	17.1	274	385	104	38.6	2520	2850.8	9.40	9.50	595.2	594	46.9	49.4	509	72.4	8.4	1.11	1.27	1.24	9.62	8.50	D
527	1049	2868.0	16.1	277	388	106	39.1	2660	2851.6	9.40	9.50	594.3	594	47.0	49.4	510	73.5	8.5	1.12	1.30	1.26	9.62	8.50	D
528	1052	2869.0	21.4	262	322	105	38.5	2660	2852.2	9.40	9.50	594.1	593	47.1	49.4	507	74.4	8.6	1.13	1.21	1.18	9.62	8.50	D
529	1055	2870.0	21.8	294	410	106	39.1	2570	2853.2	9.40	9.50	594.2	593	47.3	49.6	505	75.5	8.6	1.14	1.22	1.18	9.62	8.50	D
530	1058	2871.0	17.0	279	406	105	37.9	2590	2854.2	9.40	9.50	593.2	593	47.4	49.5	504	76.5	8.7	1.14	1.27	1.23	9.62	8.50	D
531	1124	2872.0	14.4	295	424	106	36.2	2610	2855.1	9.40	9.50	599.3	599	47.4	48.2	496	77.5	8.9	1.17	1.30	1.26	9.62	8.50	D
532	1129	2873.0	15.9	289	430	108	38.4	2610	2856.6	9.40	9.50	600.0	599	47.4	49.3	496	78.5	8.9	1.18	1.30	1.26	9.62	8.50	D
533	1134	2874.1	13.3	266	376	108	34.4	2590	2858.4	9.40	9.50	599.0	598	47.3	49.5	492	79.5	9.0	1.20	1.30	1.27	9.61	8.50	D
534	1138	2875.1	17.0	278	355	108	33.3	2620	2859.4	9.40	9.50	596.4	596	47.3	49.7	488	80.4	9.1	1.21	1.23	1.19	9.61	8.50	D
535	1141	2876.0	16.2	305	436	107	35.5	2680	2860.7	9.40	9.50	598.9	597	47.4	49.7	488	81.5	9.1	1.22	1.26	1.22	9.61	8.50	D
536	1146	2877.0	13.9	283	398	107	33.5	2630	2862.0	9.40	9.50	599.1	598	47.4	50.0	484	82.5	9.2	1.23	1.28	1.24	9.61	8.50	D
537	1149	2878.0	20.1	306	438	107	33.4	2560	2862.6	9.40	9.50	598.5	598	47.5	50.0	482	83.5	9.3	1.23	1.18	1.15	9.61	8.50	D
538	1151	2879.0	23.5	276	414	107	38.2	2580	2862.0	9.40	9.50	598.1	597	47.5	50.2	483	84.4	9.3	1.24	1.19	1.15	9.62	8.50	D
539	1218	2880.0	8.87	233	330	106	38.0	2690	2864.0	9.40	9.50	598.6	598	47.5	49.8	466	85.5	9.5	1.27	1.41	1.37	9.62	8.50	D
540	1236	2881.0	12.4	239	312	107	33.2	2400	2080.8	9.40	9.50	595.3	595	47.9	50.8	454	86.5	9.8	1.32	.99	.96	12.7	8.50	D
541	1240	2882.0	5.87	218	260	107	39.5	2610	2080.9	9.40	9.50	596.9	595	48.1	51.2	453	87.5	9.9	1.33	1.20	1.16	12.7	8.50	D
542	1246	2883.0	3.70	218	249	107	38.2	2660	2080.9	9.40	9.50	597.0	596	48.4	50.7	447	88.5	10.0	1.34	1.28	1.25	12.7	8.50	D
543	1254	2884.0	7.96	227	291	107	37.9	2550	2080.9	9.40	9.50	596.3	595	48.7	51.1	443	89.5	10.1	1.36	1.12	1.09	12.7	8.50	D
544	1302	2885.0	7.58	230	291	107	38.9	2440	2080.9	9.40	9.50	596.3	595	49.0	50.9	440	90.4	10.3	1.38	1.14	1.10	12.7	8.50	D
545	1309	2886.0	8.70	229	310	107	39.2	2570	2081.0	9.40	9.50	596.0	595	49.1	51.2	435	91.5	10.4	1.40	1.11	1.08	12.7	8.50	D
546	1315	2887.0	10.1	229	308	107	38.5	2610	2081.0	9.40	9.50	593.7	593	49.2	51.6	431	92.5	10.5	1.42	1.07	1.04	12.7	8.50	D
547	1318	2888.0	18.4	244	314	108	38.5	2570	2081.0	9.40	9.50	594.5	594	49.3	51.6	428	93.5	10.5	1.42	.95	.92	12.7	8.50	D
548	1338	2889.0	14.7	228	301	109	37.4	2680	2082.9	9.40	9.50	609.1	608	49.3	50.8	428	94.5	10.7	1.45	.99	.96	12.7	8.50	D
549	1341	2890.1	11.9	231	282	109	38.2	2730	2083.2	9.40	9.50	607.1	607	49.3	51.1	412	95.4	10.8	1.46	1.04	1.01	12.7	8.50	D
550	1345	2891.1	17.5	233	275	107	38.6	2720	2109.2	9.40	9.50	606.4	605	49.3	51.4	388	96.4	10.9	1.47	.97	.93	12.6	8.50	D
551	1408	2892.1	13.1	222	286	107	27.7	2480	2407.4	9.40	9.50	595.4	594	49.3	51.4	339	97.5	10.9	1.48	1.03	.99	11.5	8.50	D
552	1412	2893.0	14.7	224	276	107	27.0	2670	2513.3	9.40	9.50	582.6	553	49.3	51.4	328	98.5	11.0	1.49	1.03	1.00	11.1	8.50	D
553	1417	2894.0	12.3	215	279	107	26.7	2050	2639.3	9.40	9.50	516.6	516	49.3	51.4	328	99.5	11.1	1.50	1.12	1.08	10.6	8.50	D
554	1423	2895.1	10.7	204	250	107	26.0	2020	2798.9	9.40	9.50	517.8	516	49.3	51.4	326	100	11.2	1.51	1.21	1.17	9.97	8.50	D
555	1428	2896.0	12.0	212	258	107	26.3	1990	2882.9	9.40	9.50	515.9	515	48.7	50.8	324	101	11.3	1.53	1.23	1.19	9.60	8.50	D
556	1435	2897.0	8.20	201	254	107	27.9	2100	2883.4	9.40	9.50	515.5	515	48.8	51.1	322	102	11.4	1.54	1.35	1.30	9.60	8.50	D
557	1441	2898.0	10.1	207	246	107	27.1	1970	2884.0	9.40	9.50	517.0	516	49.0	51.5	321	103	11.5	1.55	1.28	1.24	9.60	8.50	D
558	1451	2899.0	5.73	199	237	106	26.2	2000	2885.1	9.40	9.50	515.2	515	49.3	51.4	321	104	11.7	1.58	1.41	1.36	9.60	8.50	D
559	1515	2900.0	10.8	209	263	109	33.3	2210	2887.3	9.40	9.50	537.0	548	48.4	50.1	316	105	11.9	1.60	1.33	1.28	9.60	8.50	D
560	1526	2901.0	7.83	214	328	110	37.0	2340	2889.2	9.40	9.50	544.9	542	48.6	51.5	312	106	12.1	1.62	1.39	1.35	9.59	8.50	D
561	1543	2902.0	4.98	199	231	109	36.8	2120	2891.6	9.40	9.50	542.3	541	49.3	51.4	306	107	12.3	1.65	1.49	1.45	9.59	8.50	D
564	1608	2904.0	8.17	204	248	109	36.8	2680	2902.7	9.40	9.50	594.8	594	47.8	50.9	327	109	12.4	1.67	1.47	1.42	9.56	8.50	D
565	1610	2905.0	5.74	207	229	109	35.5	2790	2902.8	9.40	9.50	596.8	595	47.7	50.8	329	110	12.5	1.68	1.55	1.50	9.56	8.50	D
566	1614	2906.0	8.03	218	248	109	37.7	2630	2902.9	9.40	9.50	596.4	595	47.8	51.1	328	111	12.6	1.69	1.49	1.43	9.56	8.50	D
567	1622	2907.0	7.23	216	264	109	36.6	2770	2903.1	9.40	9.50	597.1	596	48.0	50.9	332	112	12.7	1.71	1.50	1.45	9.57	8.50	D
568	1626	2908.0	14.1	222	280	109	36.5	2570	2903.2	9.40	9.50	596.0	595	48.1	51.2	335	113	12.8	1.72	1.32	1.27	9.57	8.50	D
569	1652	2909.0	8.45	207	251	109	35.9	2660	2903.8	9.40	9.50	599.9	599	48.5	51.1	332	114	13.0	1.76	1.45	1.39	9.57	8.50	D
570	1700	2910.0	7.84	226	277	109	39.3	2570	2904.1	9.40	9.50	589.0	588	48.9	51.5	327	115	13.2	1.78	1.51	1.45	9.58	8.50	D
571	1710	2911.1	7.05	218	273	109	40.4	2680	2904.3	9.40	9.50	590.9	589	49.7	51.4	321	116	13.3	1.80	1.55	1.49	9.58	8.50	D
572	1723	2912.0	4.63	211	245	109	40.9	2640	2904.7	9.40	9.50	589.7	588	49.9	52.2	314	117	13.5	1.84	1.67	1.61	9.58	8.50	D
573	1735	2913.0	5.35	209	283	109	40.3	2100	2905.0	9.40	9.50	530.5	532	50.4	52.7	308	118	13.7	1.87	1.63	1.57	9.58	8.50	D

ESSO AUST Conger No.1

Data Printed at time 13:51 Date Mar 15 '89
Data Recorded at time 17:48 Date Mar 13 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TW	DXC	NXB	ECD	NXMD	
574	1748	2914.0	4.78	232	295	109	41.5	2180	2905.9	9.40	9.50	531.8	530	50.2	51.8	313	119	14.0	1.90	1.67	1.61	9.58	8.50	D
575	1754	2915.0	10.0	239	325	110	37.6	2240	2906.4	9.40	9.50	530.0	529	50.0	52.4	315	120	14.1	1.92	1.42	1.36	9.58	8.50	D
576	1802	2916.0	7.14	234	307	109	36.2	2110	2908.2	9.40	9.50	531.0	530	49.8	51.9	314	121	14.2	1.93	1.50	1.44	9.58	8.50	D
577	1813	2917.0	5.56	228	265	109	37.0	2060	2908.8	9.40	9.50	531.5	530	49.7	52.1	307	122	14.4	1.96	1.57	1.51	9.58	8.50	D
578	1825	2918.0	5.08	219	268	109	36.6	2110	2908.9	9.40	9.50	532.1	531	50.0	51.6	303	123	14.6	1.99	1.59	1.53	9.58	8.50	D
579	1847	2919.0	9.45	212	291	109	35.7	2770	2910.8	9.40	9.50	592.2	592	49.5	51.5	287	124	14.8	2.02	1.42	1.35	9.58	8.50	D
580	1853	2920.0	10.8	322	372	110	34.0	2660	2911.3	9.40	9.50	591.6	590	49.4	51.5	284	125	14.9	2.04	1.36	1.30	9.59	8.50	D
581	1900	2921.0	9.51	286	322	110	35.9	2720	2911.7	9.40	9.50	591.3	590	49.6	51.9	276	126	15.0	2.05	1.42	1.35	9.59	8.50	D
582	1912	2922.0	5.20	288	328	110	36.5	2640	2912.8	9.40	9.50	591.4	590	49.9	51.7	269	127	15.2	2.08	1.58	1.52	9.59	8.50	D
583	1925	2923.0	4.59	281	312	109	36.4	2670	2914.1	9.40	9.50	590.5	589	50.2	51.8	259	128	15.4	2.11	1.62	1.55	9.59	8.50	D
584	1937	2924.0	5.09	237	287	109	36.1	2700	2915.7	9.40	9.50	592.0	591	49.8	52.4	247	129	15.6	2.14	1.58	1.52	9.59	8.50	D
585	1950	2925.0	4.36	221	269	109	35.7	2630	2917.2	9.40	9.50	591.6	591	49.8	52.4	245	130	15.9	2.17	1.62	1.55	9.58	8.50	D
586	1957	2926.0	9.32	241	302	109	36.3	2630	2917.8	9.40	9.50	589.8	589	49.2	52.5	283	131	16.0	2.19	1.43	1.36	9.58	8.50	D
587	2006	2927.0	6.69	234	291	109	36.7	2620	2918.8	9.40	9.50	589.7	589	46.8	52.5	344	132	16.1	2.21	1.52	1.45	9.58	8.50	D
588	2014	2928.0	7.68	236	287	109	36.3	2680	2918.8	9.40	9.50	590.4	589	46.0	51.5	387	133	16.3	2.23	1.48	1.41	9.59	8.50	D
589	2106	2929.0	3.37	217	260	109	36.1	2680	2923.5	9.40	9.50	594.5	593	48.9	52.4	393	134	16.9	2.31	1.70	1.62	9.57	8.50	D
590	2115	2930.0	6.88	221	262	109	35.4	2600	2924.1	9.40	9.50	596.0	594	49.5	52.3	395	135	17.0	2.33	1.50	1.43	9.58	8.50	D
591	2122	2931.0	8.92	225	274	109	39.5	2420	2924.6	9.40	9.50	593.1	593	49.8	52.1	390	136	17.1	2.34	1.48	1.40	9.58	8.50	D
592	2133	2932.0	5.53	219	255	109	38.9	2710	2926.1	9.40	9.50	597.5	596	50.3	52.0	393	137	17.3	2.37	1.60	1.52	9.58	8.50	D
593	2144	2933.1	5.94	217	260	109	39.5	2630	2927.5	9.40	9.50	596.9	596	50.8	52.9	395	138	17.5	2.40	1.59	1.51	9.57	8.50	D
594	2152	2934.0	7.44	218	263	109	40.0	2710	2928.0	9.40	9.50	594.9	594	50.7	52.6	400	139	17.6	2.42	1.53	1.45	9.58	8.50	D
595	2200	2935.0	8.22	225	277	109	39.2	2600	2928.5	9.40	9.50	594.9	594	50.5	52.5	403	140	17.8	2.43	1.49	1.42	9.58	8.50	
596	2208	2936.0	7.27	231	297	109	39.9	2610	2928.5	9.40	9.50	596.2	594	50.5	52.8	402	141	17.9	2.45	1.54	1.46	9.58	8.50	
597	2211	2937.0	21.2	239	276	109	38.9	2690	2928.5	9.40	9.50	593.9	593	50.4	52.9	405	142	17.9	2.46	1.23	1.16	9.58	8.50	D
598	2219	2938.0	6.89	226	285	109	39.4	2500	2928.5	9.40	9.50	592.0	591	50.3	51.9	406	143	18.1	2.48	1.54	1.47	9.59	8.50	D
599	2254	2939.0	4.82	219	273	109	40.3	2800	2930.9	9.40	9.50	605.1	604	49.9	52.2	407	144	18.5	2.54	1.65	1.57	9.58	8.50	D
600	2306	2940.0	5.35	218	251	109	41.0	2730	2932.1	9.40	9.50	602.0	602	50.6	52.6	405	145	18.7	2.57	1.63	1.55	9.58	8.50	D
601	2318	2941.0	4.92	209	241	109	40.8	2610	2933.2	9.40	9.50	603.9	602	51.0	52.8	401	146	18.9	2.60	1.65	1.57	9.58	8.50	D
602	2336	2942.0	3.44	206	235	109	41.4	2480	2935.3	9.40	9.50	604.9	604	51.5	53.1	393	147	19.2	2.64	1.76	1.68	9.58	8.50	D
603	2357	2943.0	3.20	206	237	109	42.3	2640	2938.1	9.40	9.50	605.2	603	51.9	53.3	387	148	19.6	2.69	1.80	1.71	9.57	8.50	D
	Date	Mar 14 '89																						
604	0011	2944.0	3.98	209	242	109	40.8	2690	2938.1	9.40	9.50	604.1	604	52.0	53.7	382	149	19.8	2.73	1.71	1.63	9.58	8.50	D
605	0027	2945.0	4.57	224	284	109	38.3	2110	2939.2	9.40	9.50	540.9	540	51.8	53.2	373	150	20.0	2.76	1.64	1.56	9.57	8.50	D
606	0034	2946.0	9.28	229	264	109	37.2	2100	2939.6	9.40	9.50	543.1	542	51.7	53.2	373	151	20.1	2.77	1.44	1.35	9.57	8.50	D
607	0037	2947.0	16.6	237	275	109	38.1	2030	2940.0	9.40	9.50	542.1	541	51.7	53.6	371	152	20.2	2.78	1.29	1.21	9.57	8.50	D
608	0113	2948.0	5.52	216	308	109	40.1	2660	2941.7	9.40	9.50	606.1	604	50.8	52.6	354	153	20.5	2.83	1.61	1.53	9.58	8.50	D
609	0126	2949.0	5.21	209	275	109	39.2	2690	2942.3	9.40	9.50	607.4	606	51.0	53.1	356	154	20.7	2.85	1.62	1.53	9.58	8.50	D
610	0139	2950.0	5.03	213	286	109	39.2	2690	2943.0	9.40	9.50	610.3	608	50.9	53.1	358	155	20.9	2.88	1.63	1.54	9.58	8.50	D
611	0146	2951.0	8.63	220	282	109	39.0	2670	2943.4	9.40	9.50	610.6	609	50.8	53.2	363	156	21.1	2.90	1.48	1.39	9.58	8.50	D
612	0203	2953.0	8.61	228	290	109	39.2	2550	2944.8	9.40	9.50	612.1	611	50.8	53.4	369	158	21.3	2.94	1.48	1.39	9.59	8.50	D
613	0216	2954.0	4.53	208	265	109	39.1	2770	2947.2	9.40	9.50	612.2	612	50.9	53.7	377	159	21.6	2.97	1.66	1.56	9.58	8.50	D
614	0227	2955.0	5.62	222	271	109	39.1	2590	2947.3	9.40	9.50	610.9	611	51.0	53.6	380	160	21.7	2.99	1.60	1.50	9.58	8.50	D
615	0235	2956.0	6.97	217	274	109	38.7	2820	2947.5	9.40	9.50	611.3	611	51.1	53.1	387	161	21.9	3.01	1.53	1.44	9.59	8.50	D
616	0250	2957.0	4.13	213	277	109	38.9	2810	2948.7	9.40	9.50	613.9	612	50.9	53.6	399	162	22.1	3.04	1.68	1.58	9.59	8.50	D
617	0310	2958.0	12.1	222	291	109	39.0	2710	2950.0	9.40	9.50	597.0	596	50.1	52.6	416	163	22.3	3.07	1.39	1.29	9.58	8.50	D
618	0318	2959.0	7.75	224	303	109	39.2	2730	2950.9	9.40	9.50	596.8	595	50.0	52.8	423	164	22.4	3.09	1.51	1.41	9.58	8.50	D
619	0333	2960.0	4.03	211	267	109	38.8	2720	2952.8	9.40	9.50	596.1	596	50.0	53.3	436	165	22.7	3.12	1.68	1.59	9.58	8.50	D
620	0349	2961.0	3.76	208	282	109	38.8	2550	2954.0	9.40	9.50	597.8	597	50.2	53.0	449	166	23.0	3.15	1.70	1.60	9.58	8.50	

ESSO AUST Conger No.1

Data Printed at time 13:53 Date Mar 15 '89
Data Recorded at time 03:57 Date Mar 14 '89

F#	TIME	DEPTH m	ROP m/hr	TORQUE AVG	TORQUE MAX	RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MD lb/gal IN	MD lb/gal OUT	FLOW/MIN IN	FLOW/MIN OUT	TEMP (C) IN	TEMP (C) OUT	PVT	-THIS m	BIT- hr	EST TM	DXC	NXB	ECD	NXMD	
621	0357	2962.0	8.17	225	286	109	39.2	2590	2954.6	9.40	9.50	597.4	597	50.4	53.1	462	167	23.1	3.17	1.50	1.40	9.58	8.50	D
622	0401	2963.0	12.9	249	326	110	38.6	2640	2955.2	9.40	9.50	598.8	597	50.4	53.0	465	168	23.2	3.18	1.36	1.26	9.58	8.50	D
623	0419	2964.0	5.87	219	365	110	37.1	2650	2956.4	9.40	9.50	601.9	600	50.2	52.4	481	169	23.3	3.21	1.56	1.46	9.58	8.50	D
624	0430	2965.0	5.76	210	274	109	38.5	2640	2957.3	9.40	9.50	602.2	601	50.4	53.6	480	170	23.5	3.23	1.58	1.48	9.58	8.50	D
625	0439	2966.0	6.55	212	293	109	39.4	2600	2957.5	9.40	9.50	600.5	599	51.0	53.5	479	171	23.7	3.25	1.56	1.46	9.59	8.50	D
626	0459	2967.0	2.99	204	262	109	39.3	2560	2959.5	9.40	9.50	600.1	599	51.8	52.8	474	172	24.0	3.29	1.77	1.67	9.58	8.50	D
627	0542	2968.0	4.16	203	282	109	38.7	2650	2963.0	9.40	9.50	596.1	595	51.7	53.3	461	173	24.5	3.36	1.68	1.57	9.57	8.50	D
628	0557	2969.0	4.28	224	419	81	47.8	2620	2963.9	9.40	9.50	597.3	596	51.9	53.5	456	174	24.8	3.39	1.70	1.59	9.57	8.50	D
629	0614	2970.0	3.21	279	517	80	48.3	2690	2967.2	9.40	9.50	599.8	600	52.2	53.3	446	175	25.1	3.41	1.78	1.65	9.56	8.50	D

Circulate for 19.5hrs to remove carbonate contamination from the mud.
POH and run wireline logs.
Plug and abandon.

APPENDIX F : Drilling Data Plot

PE602934

This is an enclosure indicator page.
The enclosure PE602934 is enclosed within the container PE904392 at this location in this document.

The enclosure PE602934 has the folllowing characteristics:

ITEM_BARCODE	= PE602934
CONTAINER_BARCODE	= PE904392
NAME	= Drilling Data Plot
BASIN	=
PERMIT	=
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Drilling Data Plot,Scale 1:2500,(Enclosure from Final Well Report), By EXLOG for Esso Australia, for Conger-1.
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	= 17/04/89
WELL_NO	= W988
WELL_NAME	= Conger-1
CONTRACTOR	= EXLOG
CLIENT_OP_CO	= Esso Australia

(Inserted by DNRE - Vic Govt Mines Dept)

APPENDIX G : Drilling Cost Plot

PE602935

This is an enclosure indicator page.
The enclosure PE602935 is enclosed within the container PE904392 at this location in this document.

The enclosure PE602935 has the folllowing characteristics:

ITEM_BARCODE	= PE602935
CONTAINER_BARCODE	= PE904392
NAME	= Drilling Data Cost Plot
BASIN	=
PERMIT	=
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Drilling Data Cost Plot,Scale 1:2500,(Enclosure from Final Well Report), By EXLOG for Esso Australia, for Conger-1.
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	= 17/04/89
WELL_NO	= W988
WELL_NAME	= Conger-1
CONTRACTOR	= EXLOG
CLIENT_OP_CO	= Esso Australia

(Inserted by DNRE - Vic Govt Mines Dept)

APPENDIX H : Daily Geological-Engineering Reports

EXLOG (SM) GEMDAS LOGGING REPORT NO. 1

COMPANY ESSO AUST WELL CONGER No 1

DATE 28TH FEB 1989. TIME 24:00

DEPTH 815m LAST REPORT DEPTH —

RIG OPERATIONS CIRCULATE HOLE CLEAN.

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: RR2 Type: S11J Size: 17 1/2 Jets: 2x18, 1x16

On Bit: Footage: 601m Hours: 22.4 ROP: 26.8 M/HR WOB: 10-40 RPM: 120

Pump Press: 2830 SPM: 198 Torque: 100-450 TBR: _____ CP I: $ _____ CP B: $ _____

HYDRAULICS REPORT

Mud Density In: 9.3 Mud Density Out: 9.4+ ECD: 9.5 PV/YP: 3/15

Gels: 11/15 Salinity: 16,000 PPM Cl Solids: 4% %

Hole Volume: 850 BBL Annular Volume: 768 BBL Tubing Volume: 33 BBL Displaced Volume: 50 BBL

Carbide Lag—Calculated Lag: — Flowrate: 995 GPM.

Drillpipe Annular Vel (Max. Dia. Sec.): 58.6 FT/MIN Drillpipe Annular Vel (Open Hole): 86.7 FT/MIN

Drill Collar Annular Vel (Open Hole): (9 3/4") 115.5 FT/MIN Critical Vel: 313.9 FT/MIN.

ressure Loss System: 1090 psi Pressure Loss Bit: 1760 psi % Pressure Loss: 76

Nozzel Vel: 460.4 FT/SEC Jet Impact Force: 2205 LB HHP: 1021.8 HP.

PRESSURE PARAMETERS

Drilling Exponent: ~1.2 (NORMAL) Flowline Temperature: 40° C

Shale Density: — Shale Factor: —

Background Gas: 0.2-0.4% Max. Formation Gas: 1.5% @ 465m Trip Gas: — @ —

Other Gas: NIL

Fill: — Tight Hole: —

Cavings: Est %: MINOR. Average Size: _____

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: — Min. Estimated Fracture Pressure (Open Hole): —

Estimated Pore Pressure: 8.5 ppg EMW Min. Estimated Pore Pressure (Open Hole): 8.5 @ _____

Max. Estimated Pore Pressure (Open Hole): 8.5 ppg EMW @ 815m Estimated Fracture Pressure at TD: —

Comments:

DRILL 17 1/2" HOLE TO 815m.
CIRCULATE HOLE CLEAN.

EXLOG (SM) GEMDAS LOGGING REPORT NO. 2

COMPANY ESSO AUST WELL CONGER No 1

DATE 1ST MARCH 1989 TIME 24:00 HRS

DEPTH 815m LAST REPORT DEPTH 815m.

RIG OPERATIONS RUNNING 13 3/8 CASING.

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: RR2 Type: S11J Size: 17 1/2 Jets: 18, 18, 16

On Bit: Footage: 601 Hours: 22.4 ROP: 26.8m/HR WOB: _____ RPM: _____

Pump Press: 2830 SPM: 198 Torque: 100-450 TBR: _____ CP I: $ _____ CP B: $ _____

HYDRAULICS REPORT

Mud Density In: 9.3 Mud Density Out: 9.4 ECD: 9.5 PV/YP: 3/15

Gels: 11/15 Salinity: 16,000 PPM Cl Solids: 4% %

Hole Volume: 850 BBL Annular Volume: 768 BBL Tubing Volume: 33 BBL Displaced Volume: 50 BBL

Carbide Lag—Calculated Lag: _____ Flowrate: _____

Drillpipe Annular Vel (Max. Dia. Sec.): _____ Drillpipe Annular Vel (Open Hole): _____

Drill Collar Annular Vel (Open Hole): _____ Critical Vel: _____

Pressure Loss System: _____ Pressure Loss Bit: _____ % Pressure Loss: _____

Nozzel Vel: _____ Jet Impact Force: _____ HHP: _____

PRESSURE PARAMETERS

Drilling Exponent: _____ Flowline Temperature: _____

Shale Density: _____ Shale Factor: _____

Background Gas: _____ Max. Formation Gas: _____ @ _____ Trip Gas: _____ @ _____

Other Gas: _____

Fill: _____ Tight Hole: _____

Cavings: Est %: _____ Average Size: _____

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: _____ Min. Estimated Fracture Pressure (Open Hole): _____

Estimated Pore Pressure: _____ Min. Estimated Pore Pressure (Open Hole): _____ @ _____

Max. Estimated Pore Pressure (Open Hole): _____ @ _____ Estimated Fracture Pressure at TD: _____

Comments: FINISH CIRC HOLE CLEAN.
POH.
RIG UP AND RUN IN WITH BHC-GR-CAL LOG
COULD NOT GET PAST BRIDGE AT 216m. POH.
RIH WITH BIT AND REAM BRIDGE.
REAM WASH TIGHT SPOT AT 286m, FINISH
RIH. CBU. POH. RUN BHC-GR-CAL LOG.
RIG UP AND RUN 13 3/8 CASING

EXLOG (SM)

GEMDAS LOGGING REPORT NO. 3

COMPANY ESSO AUST WELL CONGER No1

DATE 2ND MARCH 1989. TIME 24:00 HRS

DEPTH 868m LAST REPORT DEPTH 815m

RIG OPERATIONS DRILL 12¼" HOLE.

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: MB 3 Type: REED HP11J Size: 12¼ Jets: 3x16

On Bit: Footage: 53 Hours: 2.2 ROP: 24.1 m/HR (AVG) WOB: 13-33 RPM: 60-120

Pump Press: 2820 SPM: 171 Torque: 110-250 TBR: 11,694 CP I: $ 202 CP B: $ 333

HYDRAULICS REPORT

Mud Density In: 9.2 Mud Density Out: 9.3 ECD: 9.6 PV/YP: 5/40

Gels: 14/30 Salinity: 16,000 PPM Cl Solids: 4 % %

Hole Volume: 496 BBL Annular Volume: 408 BBL Tubing Volume: 43 BBL Displaced Volume: 44 BBL

Carbide Lag—Calculated Lag: — Flowrate: 853 GPM.

Drillpipe Annular Vel (Max. Dia. Sec.): 58.9 FT/MIN Drillpipe Annular Vel (Open Hole): —

Drill Collar Annular Vel (Open Hole): 242.9 FT/MIN Critical Vel: 585.6 FT/MIN

Pressure Loss System: 1047 Pressure Loss Bit: 1773 psi % Pressure Loss: 63 %

Nozzel Vel: 464.6 FT/SEC Jet Impact Force: 1887 LB HHP: 882 HP.

PRESSURE PARAMETERS

Drilling Exponent: 0.9-1.2 (NORMAL) Flowline Temperature: 36.7° C

Shale Density: ~2.2 (ESTIMATED) Shale Factor: —

Background Gas: 0.05% (2.5u) Max. Formation Gas: 0.07% @ 835m Trip Gas: 0.5% (25u) @ 815m

Other Gas: NIL

Fill: NONE Tight Hole: NONE

Cavings: Est %: MINOR Average Size: SMALL

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 5.5 ppg. Min. Estimated Fracture Pressure (Open Hole): 16.5 SHOE

Estimated Pore Pressure: 8.5 ppg Min. Estimated Pore Pressure (Open Hole): 8.5 ppg @ 815

Max. Estimated Pore Pressure (Open Hole): 8.5 ppg @ 868 Estimated Fracture Pressure at TD: 16.6

Comments: RUN AND CEMENT 13⅜ CASING
SHOE AT 798m.
TEST BOP'S.
DRILL SHOE TRACK AND NEW HOLE TO 818m
PERFORM LEAK OF TEST. (960 psi ; 16.5 ppg EMW)
DRILL 12¼" HOLE AT 25 m/HR.

GEMDAS LOGGING REPORT NO. 4

COMPANY ESSO AUST WELL CONGER No1

DATE 3RD MARCH 1989 TIME 24:00 HRS

DEPTH 1544 LAST REPORT DEPTH 868m

RIG OPERATIONS DRILLING 12¼" HOLE.

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#3 Type: REED HP11J Size: 12¼ Jets: 3 x 16.

On Bit: Footage: 729m Hours: 18.6 ROP: 39.2 (AVG.) WOB: 28-35 RPM: 110-120

Pump Press: 2850 SPM: 158 Torque: 150-270 TBR: 131863 CP I: $ 140 CP B: $ 100

HYDRAULICS REPORT

Mud Density In: 9.3+ Mud Density Out: 9.4 ECD: 9.5+ PV/YP: 6/13

Gels: 8/18 Salinity: 18K PPM Cl Solids: 5 %

Hole Volume: 849 BBL Annular Volume: 706 BBL Tubing Volume: 83 BBL Displaced Volume: 60 BBL

Carbide Lag—Calculated Lag: +239 STKS. Flowrate: 793 GPM.

Drillpipe Annular Vel (Max. Dia. Sec.): 54.7 FT/MIN Drillpipe Annular Vel (Open Hole): 140.8 FT/MIN

Drill Collar Annular Vel (Open Hole): 196.3 FT/MIN Critical Vel: 291.3 FT/MIN

Pressure Loss System: 1247 Pressure Loss Bit: 1553 PSI % Pressure Loss: 55%

Nozzel Vel: 431.7 FT/SEC Jet Impact Force: 1653 LB HHP: 718 HP

PRESSURE PARAMETERS

Drilling Exponent: 0.8 - 1.1 (NORMAL) Flowline Temperature: 39.9° C

Shale Density: — Shale Factor: —

Background Gas: 0.3% (15u) Max. Formation Gas: 0.68% (34u) @ 1220m Trip Gas: — @ _____

Other Gas: NIL.

Fill: NONE Tight Hole: NONE

Cavings: Est %: 10-20% Average Size: ROUNDED - BLOCKEY

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 3.6 ppg EMW Min. Estimated Fracture Pressure (Open Hole): 16.5 ppg AT SHOE

Estimated Pore Pressure: 8.5 ppg EMW Min. Estimated Pore Pressure (Open Hole): 8.5 ppg @ 815

Max. Estimated Pore Pressure (Open Hole): 8.5 ppg @ 1544 Estimated Fracture Pressure at TD: 18.0 ppg.

Comments:

DRILL 12¼" HOLE.

CARBIDE DATA INDICATES AN AVG HOLE DIA OF 12.8" AT 1437m.

CAVINGS DUE TO ACTION OF BIT/STABILIZER AND DO NOT APPEAR TO INDICATE OVERPRESSURE

EXLOG (SM) GEMDAS LOGGING REPORT NO. 5

COMPANY ESSO AUST. WELL CONGER No 1

DATE 4TH MARCH 1989. TIME 24:00 HRS

DEPTH 1822m LAST REPORT DEPTH 1544m

RIG OPERATIONS RIH WITH NB#4.

REPORT BY D. NEW. REPORT RECEIVED BY _____ SIGNED (OPERATOR)

DRILLING REPORT

Bit No.: NB#4 Type: HTC J11 Size: 12 1/4 Jets: 3 x 16

On Bit: Footage: 1007m Hours: 28.8 ROP: 34.9m/HR WOB: — RPM: —

NB3 NB3

Pump Press: — SPM: — Torque: — TBR: — CP I: $ — CP B: $ —

HYDRAULICS REPORT

Mud Density In: 9.5 Mud Density Out: — ECD: — PV/YP: 5/21

Gels: 9/32 Salinity: 18K PPM Cl Solids: 10% %

Hole Volume: 928BBL Annular Volume: 762 BBL Tubing Volume: 99BBL Displaced Volume: 66BBL

Carbide Lag—Calculated Lag: -190 STNS. Flowrate: 765

Drillpipe Annular Vel (Max. Dia. Sec.): 53 FT/MIN Drillpipe Annular Vel (Open Hole): 159 FT/MIN

Drill Collar Annular Vel (Open Hole): 239 FT/MIN Critical Vel: 408 FT/MIN

Pressure Loss System: 1427 Pressure Loss Bit: 1473 % Pressure Loss: 51%

Nozzel Vel: 416.7 FT/SEC Jet Impact Force: 1568 LB HHP: 657 HP

PRESSURE PARAMETERS

Drilling Exponent: 0.8 - 1.1 (NORMAL) Flowline Temperature: 46.4 AT 1822m

Shale Density: _____ Shale Factor: _____

Background Gas: 0.2 (10u) Max. Formation Gas: 0.27% (13.5u) @ 1580m Trip Gas: — @ _____

Other Gas: NIL

Fill: NIL Tight Hole: MINOR O/PULL ON TRIP OUT

Cavings: Est %: UP TO 20% Average Size: LARGE, PLATY - BLOCKY.

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 3.1 ppg EMW. Min. Estimated Fracture Pressure (Open Hole): 16.5 ppg AT SHOE

Estimated Pore Pressure: 8.5 (NORMAL) Min. Estimated Pore Pressure (Open Hole): 8.5ppg @ SHOE

Max. Estimated Pore Pressure (Open Hole): 8.5ppg @ T.D Estimated Fracture Pressure at TD: 18.2

Comments:

DRILL TO 1822m. AND CIRC HOLE CLEAN WITH 100 BBL HI VIS PILL.
DROP SURVEY AND POH (DEV 2 3/4 W N43W)
PICK UP JUNK SUB AND NB#4 RIH.
TIGHT SPOTS AT 880m - 910m AND 1250-1300m

MINOR TIGHT HOLE STANDS 1-11 (50KLB MAX OVERPULL) ON TRIP OUT

EXLOG (SM) GEMDAS LOGGING REPORT NO. 6

COMPANY ESSO AUST. WELL CONGER No1

DATE 5TH MARCH 1987 TIME 24:00 HRS.

DEPTH 1928m. LAST REPORT DEPTH 1822

RIG OPERATIONS RIH WITH NB#5

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB 4 Type: HTC J11 Size: 12¼ Jets: 3 x 16

On Bit: Footage: 106m Hours: 11.2 HRS ROP: 9.5m/HR. WOB: 10-35 RPM: 80-120

Pump Press: 2850 SPM: 156 Torque: 110-700 TBR: 58234 CP I: $ 453 CP B: $ 474

HYDRAULICS REPORT

Mud Density In: 9.4+ Mud Density Out: 9.5 ECD: 9.54 PV/YP: 7/18

Gels: 6/26 Salinity: 18,000 PPM Cl Solids: 8.5% %

Hole Volume: 1003 BBL Annular Volume: 829 BBL Tubing Volume: 105 BBL Displaced Volume: 69 BBL

Carbide Lag—Calculated Lag: -190 (AVG DIA 11.94") Flowrate: 780 GPM

Drillpipe Annular Vel (Max. Dia. Sec.): 54 FT/MIN Drillpipe Annular Vel (Open Hole): 153 FT/MIN

Drill Collar Annular Vel (Open Hole): 222 FT/MIN Critical Vel: 367 FT/MIN

Pressure Loss System: 1333 Pressure Loss Bit: 1517 psi % Pressure Loss: 53%

Nozzel Vel: 425 FT/SEC Jet Impact Force: 1612 LB HHP: 689 HP

PRESSURE PARAMETERS

Drilling Exponent: 0.8-2.0 (HIGH DUE TO BIT CONDITION) Flowline Temperature: 38°C (LOW DUE TO MIXING OF NEW MUD)

Shale Density: _____ Shale Factor: _____

Background Gas: 0.1% (5u) Max. Formation Gas: 0.79% (38u) @ 1871 Trip Gas: 3.7% 185u @ 1822

Other Gas: NIL

Fill: NIL Tight Hole: MINOR TIGHT HOLE ON TRIP OUT.

Cavings: Est %: 10-30 Average Size: MED-OCC LARG. PLATY-BLOCKY

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.9 ppg Min. Estimated Fracture Pressure (Open Hole): 16.5 ppg AT SHOE

Estimated Pore Pressure: 8.5 ppg Min. Estimated Pore Pressure (Open Hole): 8.5 ppg @ SHOE

Max. Estimated Pore Pressure (Open Hole): 8.5ppg @ T.D. Estimated Fracture Pressure at TD: 17.4 (SST)

Comments: REAM BRIDGE AT 1605m.
REAM/WASH 2 SINGLES TO BOTTOM.
DRILL 12¼" HOLE.
~~HIGH AND~~
~200 BBL MUD LOST WHEN FLOWLINE BECAME MUD (70 BBL LOST INITIALY REST LOST TRYING TO UNBLOCH FLOWLINE)
DRILL AHEAD. HIGHLY ERRATIC TORQUE IN LATROBE GP. DUE TO DISCONTINUITIES IN FM?
LOW ROP DUE TO BROKEN INSERTS ON BIT

GEMDAS LOGGING REPORT NO. 7

COMPANY ESSO AUST WELL CONGER No1

DATE 6TH MARCH 1989 TIME 24:00 HRS

DEPTH 2142m LAST REPORT DEPTH 1928m

RIG OPERATIONS DRILL 12¼" HOLE.

REPORT BY D. NEW. REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB #5 Type: READ HP51 Size: 12¼" Jets: 16, 16, 18

On Bit: Footage: 214m Hours: 14.7 ROP: 14.6m/HR. WOB: 5-40 RPM: 100-120

Pump Press: 2780 SPM: 145 Torque: 100-700 TBR: 99,284 CP I:$ 267 CP B:$ 303

HYDRAULICS REPORT

Mud Density In: 9.5ppg Mud Density Out: 9.5+ ECD: 9.65ppg PV/YP: 7/16.

Gels: 5/16 Salinity: 18.5K PPM Cl Solids: 9% %

Hole Volume: 1105 BBL Annular Volume: 912 BBL Tubing Volume: 117 BBL Displaced Volume: 76 BBL

Carbide Lag—Calculated Lag: -190 (11.9" AVG DIA) Flowrate: 725

Drillpipe Annular Vel (Max. Dia. Sec.): 50 FT/MIN Drillpipe Annular Vel (Open Hole): 142 FT/MIN

Drill Collar Annular Vel (Open Hole): 206 FT/MIN Critical Vel: 338 FT/MIN

Pressure Loss System: 1664 Pressure Loss Bit: 1116 PSI % Pressure Loss: 40.1%

Nozzel Vel: 362.8 FT/SEC Jet Impact Force: 1293.2 LB HHP: 472 HP.

PRESSURE PARAMETERS

Drilling Exponent: 1.0-1.3 (NORMAL) Flowline Temperature: 41.7°C

Shale Density: — Shale Factor: —

Background Gas: 0.1-0.2% (5-10u) Max. Formation Gas: 0.8% (40u) @ 2035m Trip Gas: 0.74% (37u) @ 1928m

Other Gas: NONE

Fill: MINOR Tight Hole: NONE

Cavings: Est %: 0-20% Average Size: MEDIUM, BLOCKY

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.6 ppg EMW. Min. Estimated Fracture Pressure (Open Hole): 16.5 AT SHOE

Estimated Pore Pressure: 8.5 ppg EMW Min. Estimated Pore Pressure (Open Hole): 8.5 @ SHOE

Max. Estimated Pore Pressure (Open Hole): 8.5 @ 2142m Estimated Fracture Pressure at TD: 17.7

Comments:

DRILL 12¼" HOLE
TORQUE HIGHLY ERRATIC - APPARENTLY DUE TO DISCONTINUITES IN THE FORMATION
CIRCULATE HIGH VIS PILL AT 1998m WITH ABUNDANT ROUNDED CUTTINGS ON BOTTOMS CEP.
DRILL AHEAD WITH -VE FLOW CHECK AT 2054m.

EXLOG (SM) GEMDAS LOGGING REPORT NO. 8

COMPANY ESSO AUST. WELL CONGER No.1

DATE 7/3/89. TIME 24:00

DEPTH 2410m LAST REPORT DEPTH 2142m

RIG OPERATIONS DRILL 12¼" HOLE

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#5 Type: REED HPSIAJ Size: 12¼ Jets: 16,16,18

On Bit: Footage: 482 Hours: 33.5 ROP: 14.4 M/HR WOB: 30-40 RPM: 120

Pump Press: 2750 SPM: 140 Torque: 200-650 BR: 245,000 CP I: $ 339 CP B: $ 265

HYDRAULICS REPORT

Mud Density In: 9.5ppg Mud Density Out: 9.6ppg ECD: 9.7 PV/YP: 7/18

Gels: 7/26 Salinity: 18K PPM Cl Solids: 8.5% %

Hole Volume: 1234 Annular Volume: 1018 Tubing Volume: 132BBL Displaced Volume: 82BBL

Carbide Lag—Calculated Lag: — Flowrate: 700

Drillpipe Annular Vel (Max. Dia. Sec.): 48 FT/MIN Drillpipe Annular Vel (Open Hole): 137 FT/MIN

Drill Collar Annular Vel (Open Hole): 199 FT/MIN Critical Vel: 364 FT/MIN.

Pressure Loss System: 1709psi Pressure Loss Bit: 1041psi % Pressure Loss: 38%

Nozzel Vel: 350 FT/SEC Jet Impact Force: 1206 LB HHP: 425 HP

PRESSURE PARAMETERS

Drilling Exponent: 1.1-1.3 (NORMAL) Flowline Temperature: 51°C

Shale Density: — Shale Factor: —

Background Gas: 0.1-0.2% (5-10u) Max. Formation Gas: 0.35% (17.5u) @ 2158m Trip Gas: — @ —

Other Gas: NIL.

Fill: NONE Tight Hole: NONE

Cavings: Est %: MINOR (MAINLY COAL) Average Size: SMALL.

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.3 ppg Min. Estimated Fracture Pressure (Open Hole): 16.5 AT SHOE

Estimated Pore Pressure: 8.5 ppg Min. Estimated Pore Pressure (Open Hole): 8.5 @ AT SHOE

Max. Estimated Pore Pressure (Open Hole): 8.5 ppg @ 2410 Estimated Fracture Pressure at TD: 18.2 (SLTST)

Comments:

DRILL 12¼" HOLE.
SURVEY AT 2218m = 1.8° AT 342°
SURVEY AT 2363m = 1.9° AT 355°.

OCCASIONAL HIGH TORQUE POSSIBLY DUE TO STABILIZER "DRILLING" UNDERGAUGE HOLE.

EXLOG (SM) GEMDAS LOGGING REPORT NO. 9

COMPANY ESSO AUST. WELL CONGER No1

DATE 8/3/89. TIME 24:00

DEPTH 2490m. LAST REPORT DEPTH 2410m

RIG OPERATIONS DRILL 12'1/4" HOLE

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#6 Type: REED HPS1AJ Size: 12'1/4" Jets: 16,16,14.

On Bit: Footage: 19m Hours: 1.8 HRS ROP: 10.5 m/HR. WOB: 35-40 RPM: 110

Pump Press: 2970 SPM: 137 Torque: 150-450 TBR: 21100 CP I: $ 215 CP B: $ 707

HYDRAULICS REPORT

Mud Density In: 9.5+ Mud Density Out: 9.6 ECD: 9.76 ppg PV/YP: 8/28

Gels: 10/26 Salinity: 18H PPM Cl Solids: 9% %

Hole Volume: 1272 BBL Annular Volume: 1050 BBL Tubing Volume: 137 BBL Displaced Volume: 84

Carbide Lag—Calculated Lag: — Flowrate: 684 GPM.

Drillpipe Annular Vel (Max. Dia. Sec.): 47 FT/MIN Drillpipe Annular Vel (Open Hole): 134 FT/MIN.

Drill Collar Annular Vel (Open Hole): 194.7 FT/MIN Critical Vel: 433 FT/MIN.

Pressure Loss System: 1581 Pressure Loss Bit: 1389 % Pressure Loss: 47%

Nozzel Vel: 404 FT/SEC Jet Impact Force: 1363 LB HHP: 554 HP.

PRESSURE PARAMETERS

Drilling Exponent: 1.1 - 1.4 (NORMAL) Flowline Temperature: 53°C (MAX).

Shale Density: — Shale Factor: —

Background Gas: 0.1% (5u) Max. Formation Gas: 0.51 % @ 2479m Trip Gas: 1.1% @ 2471
25.5u 55u

Other Gas: NIL

Fill: MINOR Tight Hole: STANDS 2-11 ON TRIP OUT AT 2471m.

Cavings: Est %: 10 - 30% Average Size: SMALL - MEDIUM, ROUNDED.

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.2 ppg Min. Estimated Fracture Pressure (Open Hole): 16.5 ppg AT SHOE

Estimated Pore Pressure: 8.5 ppg Min. Estimated Pore Pressure (Open Hole): 8.5 ppg @ _____

Max. Estimated Pore Pressure (Open Hole): 8.5 ppg @ 2490 Estimated Fracture Pressure at TD: 18.3

Comments:

DRILL TO 2471m. PUMP SLUG AND POH
HOLE TIGHT STANDS 2-11
WORM TIGHT HOLE 2290-2002m. WITH
70-120 KLB OVERPULL.
PICK UP NB#6 AND RIH. (CUT AND SLIP LINE
AT SHOE). REAM TIGHT SPOT AT
RIH AND DRILL AHEAD.

EXLOG (SM) GEMDAS LOGGING REPORT NO. 10

COMPANY ESSO AUST. WELL CONGER No1

DATE 9/3/89. TIME 24:00 HRS

DEPTH 2716m LAST REPORT DEPTH 2490m.

RIG OPERATIONS DRILLING 12¼" HOLE

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#6 Type: REED HPSIAJ Size: 12¼ Jets: 16, 16, 14

On Bit: Footage: 245 Hours: 18.3 ROP: 13.4 WOB: 35-40 RPM: 120

Pump Press: 2870 SPM: 130 Torque: 150-370 TBR: 138,000 CP I: $ 427 CP B: $ 316

HYDRAULICS REPORT

Mud Density In: 9.4 Mud Density Out: 9.4+ ECD: 9.57 PV/YP: 8/18

Gels: 8/26 Salinity: 18500 PPM Cl Solids: 8 %

Hole Volume: 1380 BBL Annular Volume: 1140 Tubing Volume: 150 Displaced Volume: 90

Carbide Lag—Calculated Lag: ~ IN GAUGE Flowrate: 650 GPM

Drillpipe Annular Vel (Max. Dia. Sec.): 44.8 FT/MIN Drillpipe Annular Vel (Open Hole): 127.4 FT/MIN

Drill Collar Annular Vel (Open Hole): 185.1 FT/MIN Critical Vel: 365.7 FT/MIN.

Pressure Loss System: 1656 Pressure Loss Bit: 1238 psi % Pressure Loss: 43.

Nozzel Vel: 384 FT/SEC Jet Impact Force: 1214.5 LB HHP: 469.4 HP.

PRESSURE PARAMETERS

Drilling Exponent: 1.2 - 1.6 (NORMAL) Flowline Temperature: 51.7°C.

Shale Density: — Shale Factor: —

Background Gas: 0.1 - 0.5 Max. Formation Gas: 4.98% @ 2703m Trip Gas: — @ —

Other Gas: NO CONNECTION GAS WAS RECORDED.

Fill: — Tight Hole: —

Cavings: Est %: UP TO 20% Average Size: SMALL - MEDIUM, BLOCKY - PLATY

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.1 ppg EMW Min. Estimated Fracture Pressure (Open Hole): 16.5 ppg

Estimated Pore Pressure: 8.5 ppg Min. Estimated Pore Pressure (Open Hole): 8.5 ppg @ SHOE.

Max. Estimated Pore Pressure (Open Hole): 9.0 @ 2620 Estimated Fracture Pressure at TD: 17.8 (SST)

Comments: DRILL TO 2611m -VE FLOW CHECH
DRILL TO 2621m, ROP INCREASES FROM ~10M/HR TO 25M/HR
CIRCULATE BOTTOMS UP. LITHOLOGY - SANDSTONE,
MAXIMUM GAS 0.53% (26.5u) (GAS DECREASED IN THE SST)
DRILL TO 2669m, -VE FLOW CHECH. FROM 2675-2679m ROP
INCREASES FROM 4-8m/HR TO 20-40m/HR. CIRCULATE
BOTTOMS UP AT 2679. MAXIMUM GAS 2.5% (125u) FROM COAL.
FROM AROUND 2530m GAS VALUES START TO INCREASE
INDICATING A POSSIBLE INCREASE IN FORMATION PRESSURE
TO AN ESTIMATED MAX OF ~9.0 ppg AT

EXLOG (SM)

GEMDAS LOGGING REPORT NO. 11

COMPANY ESSO AUST. WELL CONGER No1

DATE 10TH MARCH 1989. TIME 24:00 HRS

DEPTH 2776m LAST REPORT DEPTH 2716m

RIG OPERATIONS REAM WITH CORE BARREL

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB #6 Type: REED HPSIAJ Size: 12¼ Jets: 16, 16, 14.

On Bit: Footage: 305m Hours: 24.2 ROP: 12.6 WOB: 35-40 RPM: 120

Pump Press: 2800 SPM: 127 Torque: 200-400 TBR: 163932. CP I: $ _____ CP B: $ _____

HYDRAULICS REPORT (FOR CORE BIT)

Mud Density In: 9.4 Mud Density Out: 9.5 ECD: 9.6 PV/YP: 7/22

Gels: 10/28 Salinity: 18,000 PPM Cl Solids: 9 %

Hole Volume: 1409 Annular Volume: 1163 Tubing Volume: 154 Displaced Volume: 91

Carbide Lag—Calculated Lag: — Flowrate: 400 GPM

Drillpipe Annular Vel (Max. Dia. Sec.): 27.6 FT/MIN Drillpipe Annular Vel (Open Hole): 78.4 FT/MIN

Drill Collar Annular Vel (Open Hole): 113.9 FT/MIN Critical Vel: 415.3 FT/MIN.

Pressure Loss System: 641 psi Pressure Loss Bit: 138 psi % Pressure Loss: 18 %

CALC TOTAL PR. LOSS 779 PSI

Nozzel Vel: 128 FT/SEC Jet Impact Force: 249.8 LB HHP: 32.3 HP.

PRESSURE PARAMETERS

Drilling Exponent: 1.2-1.6 (NORMAL) Flowline Temperature: 52.5°C

Shale Density: — Shale Factor: —

Background Gas: 0.3-0.5 % (15-25u) Max. Formation Gas: 5.08% (254u) @ 2746m Trip Gas: 4.05% (202.5u) @ 2776.

Other Gas: NIL

Fill: — Tight Hole: MINOR (4.20HLB) FROM STANDS 10-11 ON TRIP OUT.

Cavings: Est %: UP TO 20% Average Size: BLOCKY-PLATY

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.1 ppg. Min. Estimated Fracture Pressure (Open Hole): 16.5 AT SHOE

Estimated Pore Pressure: 8.5 ppg Min. Estimated Pore Pressure (Open Hole): 8.5 @ SHOE

Max. Estimated Pore Pressure (Open Hole): 9.0 @ 2620m Estimated Fracture Pressure at TD: 17.8

Comments: DRILL TO 2774m WITH -VE FLOW CHECKS AT 2735 AND 2759m. AT 2774m CIRCULATE SAMPLE FOR 30 MIN. DRILL TO 2776m ROP > 15M/HR. CIRCULATE BOTTOMS UP. POOR TO FAIR OIL SHOW WITH 20-30% FLUORESCENCE. MAX GAS: 1.56% PUMP SLUG AND POH. PICK UP CORE BARREL AND RIH WORK TIGHT HOLE AT 2440m - 2447m. RIH. REAM 2630 - 2644m.

EXLOG (SM) GEMDAS LOGGING REPORT NO. 12

COMPANY: ESSO AUST WELL: CONGER No 1

DATE: 11/3/89 TIME: @ 24:00

DEPTH: 2794.5m LAST REPORT DEPTH: 2776m

RIG OPERATIONS: POH WITH CORE No 1

REPORT BY: D. NEW REPORT RECEIVED BY: _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: CB#2 Type: CHRIS RC476 Size: 95/8 Jets: TFA = 0.55

On Bit: Footage: 18.5 Hours: 1.2 ROP: 15.4 M/HR WOB: 10 RPM: 65

Pump Press: 1160 SPM: 72. Torque: 220-370 TBR: 4680 CP I: $ _____ CP B: $ _____

HYDRAULICS REPORT

Mud Density In: 9.4+ Mud Density Out: 9.5 ECD: 9.5+ PV/YP: 8/17

Gels: 8/22 Salinity: 19,000 PPM Cl Solids: 9. %

Hole Volume: 1414 Annular Volume: 1168 Tubing Volume: 155 Displaced Volume: 92

Carbide Lag—Calculated Lag: ~ IN GAUGE Flowrate: 362

Drillpipe Annular Vel (Max. Dia. Sec.): 25 FT/MIN Drillpipe Annular Vel (Open Hole): 71 FT/MIN.

Drill Collar Annular Vel (Open Hole): 264.7 FT/MIN Critical Vel: 433.1 FT/MIN.

Pressure Loss System: 786 psi Pressure Loss Bit: 374 psi % Pressure Loss: 32%

Nozzel Vel: — Jet Impact Force: 371.9 LB HHP: 79 HP.

PRESSURE PARAMETERS

Drilling Exponent: — Flowline Temperature: 46.2 °C

Shale Density: — Shale Factor: —

Background Gas: — Max. Formation Gas: — @ — Trip Gas: 3.2% @ 2776m
1600u

Other Gas: NIL.

Fill: ~30m Tight Hole: COULD NOT GET BELOW 2776 WITH 12¼ CORE BIT.

Cavings: Est %: — Average Size: —

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.1 Min. Estimated Fracture Pressure (Open Hole): 16.5 ppg EMW

Estimated Pore Pressure: 8.5 ppg Min. Estimated Pore Pressure (Open Hole): 8.2 @ _____

Max. Estimated Pore Pressure (Open Hole): ~9.0 ppg @ 2620 Estimated Fracture Pressure at TD: 17.8

Comments: REAM TO 2776m
PUMP SLUG AND POH.
PICK UP 95/8 CORE BIT AND NEW STABILIZERS
RIH AND CUT CORE No 1 2776m - 2794.5m.
(18.5m)
POH WITH CORE.

EXLOG (SM) GEMDAS LOGGING REPORT NO. 13

COMPANY ESSO AUST WELL CONGER No1

DATE 12TH MARCH 1989 TIME 0 24:00

DEPTH 2794.5m. LAST REPORT DEPTH 2794.5 m.

RIG OPERATIONS REAM CORED SECTION

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB #7 Type: REED HPSIAJ Size: 12¼ Jets: 16, 16, 14

On Bit: Footage: — Hours: — ROP: — WOB: — RPM: —

Pump Press: 2610 SPM: 124 Torque: — TBR: — CP I: $ — CP B: $ —

HYDRAULICS REPORT

Mud Density In: 9.4+ Mud Density Out: 9.5 ECD: 9.6+ PV/YP: 8/

Gels: 10/28 Salinity: 19000 PPM Cl Solids: 8.5 %

Hole Volume: 1417 Annular Volume: 117/ Tubing Volume: 155 Displaced Volume: 92

Carbide Lag—Calculated Lag: — Flowrate: 620 GPM

Drillpipe Annular Vel (Max. Dia. Sec.): 42.8 FT/MIN Drillpipe Annular Vel (Open Hole): 121.7 FT/MIN.

Drill Collar Annular Vel (Open Hole): 176.8 Critical Vel: 458.6 FT/MIN.

Pressure Loss System: 1481 Pressure Loss Bit: 1129 % Pressure Loss: 43%

Nozzel Vel: 367 FT/SEC Jet Impact Force: 1108LB HHP: 409 HP

PRESSURE PARAMETERS

Drilling Exponent: — Flowline Temperature: 49°C

Shale Density: — Shale Factor: —

Background Gas: ~0.2% (10u) Max. Formation Gas: — @ — Trip Gas: 8.3% (415u) @ 2794.5m

Other Gas: 1.2% CO_2 WITH TRIP GAS. NO H_2S.

Fill: — Tight Hole: —

Cavings: Est %: — Average Size: —

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.1 Min. Estimated Fracture Pressure (Open Hole): 16.5 AT SHOE

Estimated Pore Pressure: 8.5 Min. Estimated Pore Pressure (Open Hole): 8.5 AT @ SHOE

Max. Estimated Pore Pressure (Open Hole): 9.0 @ 2620 Estimated Fracture Pressure at TD: 17.7

Comments: POH AND RECOVER CORE No1 WITH 98% RECOVERY
LAY DOWN CORE BARREL
PRESSURE TEST BOP'S.
RIH WITH NB #7 AND MWD TOOL
RIH TO 2712m AND REAM TO 2794.5m.
CO_2 BACKGROUND 0.0-0.3% MAX CO_2 - 1.2% WITH TRIP GAS. CO_2 DROPPED TO 0.2-0.3% AFTER TRIP.

EXLOG (SM) GEMDAS LOGGING REPORT NO. 14

COMPANY ESSO AUST WELL CONGER No 1

DATE 13TH MARCH 1989 TIME 24:00

DEPTH 2943m. LAST REPORT DEPTH 2794.5

RIG OPERATIONS DRILLING 12¼" HOLE.

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#7 Type: REED HPSIAJ Size: 12¼ Jets: 16,16,14

On Bit: Footage: 148m Hours: 19.6 HRS ROP: 7.5 M/HR. WOB: 35-40 RPM: 110

Pump Press: 2650 SPM: 120 Torque: 220-400 TBR: 128476 CP I: $ 680 CP B: $ 545

HYDRAULICS REPORT

Mud Density In: 9.4 Mud Density Out: 9.4 ECD: 9.6+ PV/YP: 8/32

Gels: 14/46 Salinity: 16,500 PPM Cl Solids: 9½ %

Hole Volume: 1488 Annular Volume: 1230 Tubing Volume: 164 Displaced Volume: 95

Carbide Lag—Calculated Lag: ~ IN GAUGE Flowrate: 602 GPM

Drillpipe Annular Vel (Max. Dia. Sec.): 41.5 Drillpipe Annular Vel (Open Hole): 118 FT/MIN

Drill Collar Annular Vel (Open Hole): 171.4 FT/MIN Critical Vel: 517 FT/MIN.

Pressure Loss System: 1588 Pressure Loss Bit: 1062 % Pressure Loss: 40%

Nozzel Vel: 355.7 FT/SEC Jet Impact Force: 1041.8 LB HHP: 372.9.

PRESSURE PARAMETERS

Drilling Exponent: 1.3-1.8 (NORMAL) Flowline Temperature: 53.3°C.

Shale Density: — (72u) Shale Factor: —

Background Gas: (20-30u) 0.4-0.6% Max. Formation Gas: 1.44% @ 2920m Trip Gas: — @ —

Other Gas: 0.0-0.2% CO_2 No H_2S

Fill: — Tight Hole: NONE

Cavings: Est %: UP TO 20% Average Size: SMALL-MEDIUM. SPLINTERY TO BLOCKY

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 1.9 Min. Estimated Fracture Pressure (Open Hole): 16.5 ppg EMW

Estimated Pore Pressure: 8.5 ppg EMW Min. Estimated Pore Pressure (Open Hole): 8.5 ppg @ SHOE

Max. Estimated Pore Pressure (Open Hole): 9.0 ppg @ 2620 Estimated Fracture Pressure at TD: 18.9 ppg

Comments: REAM CORED SECTION AT ~30M/HR.
DRILL 12¼" HOLE.

EXLOG (SM)

GEMDAS LOGGING REPORT NO. 15

COMPANY ESSO AUST WELL CONGER No 1

DATE 14TH MARCH 1989 TIME 24:00

DEPTH 2970 (TD). LAST REPORT DEPTH 2943.

RIG OPERATIONS CIRCULATE TO CONDITION MUD.

REPORT BY D. NEW REPORT RECEIVED BY _____ (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#7 Type: REED HPSIAJ Size: 12¼" Jets: 16, 16, 14

On Bit: Footage: 175 Hours: 25.1 ROP: 7.0 M/HR. WOB: 35-55 RPM: 80-110

Pump Press: 2680 SPM: 120 Torque: 200-550 TBR: 158700 CP I: $ _____ CP B: $ _____

HYDRAULICS REPORT

Mud Density In: 9.4 Mud Density Out: 9.4+ ECD: 9.68 PV/YP: 8/32

Gels: 14/46 Salinity: 16.5K. PPM Cl Solids: 9.5 %

Hole Volume: 1501 Annular Volume: 1240 Tubing Volume: 165 Displaced Volume: 96

Carbide Lag—Calculated Lag: ~ IN GAUGE. Flowrate: 600 GPM

Drillpipe Annular Vel (Max. Dia. Sec.): 41.4 FT/MIN Drillpipe Annular Vel (Open Hole): 117.6 FT/MIN

Drill Collar Annular Vel (Open Hole): 170.9 FT/MIN Critical Vel: 517 FT/MIN.

Pressure Loss System: 1625 Pressure Loss Bit: 1055 PSI % Pressure Loss: 39

Nozzel Vel: 354.5 FT/SEC Jet Impact Force: 1035 LB HHP: 369 HP.

PRESSURE PARAMETERS

Drilling Exponent: 1.3 - 1.8 (NORMAL) Flowline Temperature: 53.3° C

Shale Density: (15-25u) Shale Factor: —

Background Gas: 0.3-0.5% Max. Formation Gas: 1.9% (95u) @ 2958m. Trip Gas: — @ —

Other Gas: NONE

Fill: — Tight Hole: —

Cavings: Est %: 10-20% Average Size: MEDIUM.

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 1.9 Min. Estimated Fracture Pressure (Open Hole): 16.5ppg EMW

Estimated Pore Pressure: 8.5ppg EMW Min. Estimated Pore Pressure (Open Hole): 8.5ppg @ SHOE

Max. Estimated Pore Pressure (Open Hole): 9.0 @ 2620m Estimated Fracture Pressure at TD: 18.9ppg

Comments: DRILL 12¼" HOLE TO 2970m.
HIGH TORQUE AND BIT BOUNCING
CIRCULATE TO CONDITION MUD.

APPENDIX I : Weekly Geological-Engineering Reports

GEOLOGICAL-ENGINEERING REPORT No. 1 — 25th Feb - 1st March 1989

ESSO AUSTRALIA PETROLEUM Co. — Spud to 815 metres.

Conger No.1

EXLOG U244 - D. New, B. Munro

OPERATIONS SUMMARY

Conger No.1 was spudded at 23:15 hours on 8th February 1989 by the semi-submersible drilling rig "Southern Cross". RKB to sea level was 21m, and RKB to seafloor was 86m. (Water Depth 65m)

26" Hole Section : 86m to 214m.

The 26" hole section was drilled using RRB1, a Hughes OSC3AJ 26", with returns to the seabed. The section (128m) was completed in 8.75 hours drilling with 30bbl high vis pills being pumped every 2nd single. No problems were encountered while drilling this section. At 214m the hole was swept with a 50bbl high vis pill, a Totco droped and the bit pulled to the sea-floor with no problems. The survey recovered (Dev 1 deg at 214m) and the bit run back to TD the hole displaced with of mud. The bit was then pulled to 150m where a further 150 bbl of mud was pummped and the trip out compleated.

12 joints (including the wellhead joint) of 94 lb/ft 20" casing were run with the shoe at 209m. The casing was then cemented with 750sx class G at 13.2ppg followed by 350sx class G at 15.8ppg. The BOP stack and riser were then run and the BOP`s tested to ESSO`s requirements.

17.5" Hole. 214m - 815m

The 17.5" BHA was made up and run in with RRB2, a Reed S11J, which drilled cement and the shoe track. The 17.5" hole was then drilled from 214m to 815m, a distance of 601m, in 22.4 hrs (on bottom) at an average ROP of 26.8 m/hr. No hole problems were encountered while drilling this section of hole. At 815m a hi vis pill was pumped, the hole circulated clean, a survey dropped, and the bit pulled to run logs. Minor tight hole was recorded from stands 2 to 7 with a maximum drag of 30klb being recorded from the 5th stand. The BHC-GR-Cal wireline tool was then rigged up and run in but could not get past a bridge at 216m and had to be pulled out.

RRB2 was picked up and run in to 216m where the bridge was tagged with 60klb. The kelly was picked up and used to ream/wash 3 singles. The trip in continued to 286m where anouther tight spot had to be reamed. The trip in then proceded to 815m where the hole was circulated clean and and a high vis pill pummped prior to pulling the bit. No hole problems were noted on the trip out. Wireline logs BHC-GR-Cal were then run over the interval 810m to 86m. After rigging down Schlumberger the 13.375" casing was run.

Current operation at 24:00 hrs 1/3/89 is running 13.375" casing.

BOREHOLE CONDITION

No hole problems were noted from the 26" hole or while drilling the 17.5" hole. However on the trip out at 815m minor tight hole was recorded over the intervall 786m 615m (stands 2 to 7) with a maximum drag of 30klb being recorded from the 5 stand. This drag was probably due to the stabilizer balling up and did not seem to indicate hole instability.

The only other hole problem occured when a bridge was hit at 216m, just below the 20" casing shoe, when running in with the logging tool necessitating a wiper trip with a bit.

PORE PRESSURE.

A normal pore pressure trend of 8.5 ppg EMW has been assumed for this well. All the indicators monitered while drilling the 17.5" hole indicated an normaly pressured section and the pore pressure at 815m is estimated to be 8.5 ppg EMW.

GEOLOGICAL-ENGINEERING REPORT No. 2 — 1st March - 8th March 1989

ESSO AUSTRALIA PETROLEUM Co. — 815 - 2490 metres.

Conger No.1

EXLOG U244 - D. New, B. Munro

OPERATIONS SUMMARY

60 joints of 54.5 lb/ft 13.365" casing were run (shoe at 798m) and cemented with 1000sx of class G cement at 15.8ppg. The BOP's were tested to ESSO's requirements, the 12.25" BHA made up, and NB#3, a REED HP11J, picked up and run in. This bit drilled the shoe track and new hole to 819m where bottoms up were circulated and a formation integrity test run. The test was taken to a gauge pressure of 960 psi, (9.3ppg mud weight) with no leak, off giving a minimum formation fractiue pressure of 16.5 ppg EMW. Drilling then continued to 1610m where a washout in a standpipe pressure valuve caused a pressure drop of 150psi and drilling continued with one pump while the valuve was repaired. At 1822m a 100 bbl high vis pill was circulated to clean the hole, a survey dropped (Dev = 2.25deg N43W), and the bit pulled. Overpull of 15-50klb was recorded from stands 1 to 11 on the trip out, probably due to the stabilizer balling up.

A junk sub and NB#4, a HTC J11, were picked up and run in. Tight hole was noted over the intervals 890m - 910m, 1250m - 1300m (60klb drag) and a the kelly picked up and a single reamed at 1605m. After ream/washing the last two singles to bottom drilling continued to 1826m where 90 bbl of mud was lost when the flowline became blocked with cuttins and overflowed. A further 110 bbls were lost trying to clear the blockage. The top of the Latrobe Group was intersected at 1831m and a -ve flow check made at 1841m. Drilling then continued to 1928m where the ROP decreased to 1-2 m/hr and the bit was pulled. Very erratic and often high torque was noted while drilling the Latrobe Group sediments. The torque appeared to be associated with thin coal beds and discontinuities in the formation. The ROP's recorded during this bit run were generaly lowere than expected due to inserts on the bit being broken, possibly by pyriticaly cemented sandstones. A bit with shorter inserts may have performed better in this section.

The Teleco MWD tool and NB#5, a HP51, were then picked up and run in with no problems. Drilling continued with erratic and varible torque, often necessitating the reduction of the WOB to 5 1kb or less to alow drilling to continue. At 1998m a Hi-Vis pill was circulated to clean out the hole and abundant rounded claystone cuttings were noted on bottoms up. At 2471m the bit was pulled due to high bit hours and low ROP. Tight hole was recorded from stands 2 to 20 (2441m-1881m) with a maximum overpull of 120klb from stands 14-15 (2088m-2028m). This drag was probably due to the stabilizer balling up through claystone/siltstone sections that had not been triped through before. NB#5 proved to be baddly worn with many missing inserts, particularly on the outer rows of each cone, and was 0.25" undergauge.

NB#6, a REED HP51AJ, was then picked up and run in the hole to 1968m where tight hole was noted, the kelly picked up, and a single reamed. The last 3 singles were reamed/ washed to bottom and the junk sub worked for 20min before drilling ahead.

Current operations as at 24:00hrs 8/3/89 is drill ahead with NB#6 at 2490m.

BOREHOLE CONDITION

Erratic and often high torque was common while drilling through sediments of the Latrobe Group. This torque was often sufficently high to stall the rotary table and necessitate a reduction in the WOB to alow drilling to continue. The torque above about 2200m appears to be associated with discontinuites in the formation, particularly coal beds and the tops of sands. Below 2200m the torque appears to have been caused by the stabilizer working through tight or slightly undergauge hole.

The first trip through a section of hole were generaly fairly tight with moderate to high overpull, of up to 120klb being recorded. On the trip out with NB#3 overpull of up to 50klb was recorded from stands 1-11 and on the trip in with NB#4 tight spots were recorded from 880m-910m, 1250m-1300m and at 1605m where the kelly had to be picked up to ream one single. Tight hole was recorded from stands 2-20 (2441m-1881m) on the trip out with NB#5, probably caused by the stabilizer balling up through claystone/ siltstone sections that had not been previously triped through.

PORE PRESSURE.

A normal pore pressure trend of 8.5 ppg EMW has been assumed for this well. All the indicators monitered while drilling the 12.25" hole indicated a normaly pressured section and the pore pressure at 2490m is estimated to be 8.5 ppg EMW.

Gas values were generaly low, averaging 0.1-0.2% (5-10 units) with no connection gas and only minor trip gasses being recorded. Flowline temprature proved to be damped and unreliable due to the frequent additions on cold mud and temprature losses in the riser.

Up to 30% cavings were recorded at various time while drilling the 12.25" hole section, however the cavings were generaly rounded to blocky and did not appear to indicate an overpressured or unstable formation.

DXC followed the expected trend with any deviations being due to bit wear or variations in lithology.

GEOLOGICAL-ENGINEERING REPORT No. 3 8th March - 15th March 1989

ESSO AUSTRALIA PETROLEUM Co. 2490 - 2970 metres

Conger No.1

EXLOG U244 - D. New, R. O'Neill

OPERATIONS SUMMARY

NB#6 continued to drill to 2675m where the ROP increased from 20 to 40 m/hr and bottoms up was circulated at 2679m with 2.50% (125 units) of gas being recorded from a coal. Drilling continued at 5 to 15 m/hr to 2758m where the ROP increased to 20 to 40 m/hr and returns were circulated for 30 min before drilling to 2776m where bottoms up were circulated. A poor to fair oil show was noted and the bit was pulled to cut core 1. Minor tight hole of less than 30 klb was recorded from stands 10-11 on the trip out.

While preparing the core barrel for core 1, it was discovered that a length of core remained in the core barrel from Mulloway No.1. This was laid out as a conventional core and 6.5 metres was recovered and described. Total recovery for Mulloway No.1 core 2 was 6.68 metres from 11.5 metres cut (58%) It is believed that when the core was first cut and pulled to surface, the core slipped past the core catcher and remained in the outer barrel when the liner was laid out and inspected. When the liner was replaced in the outer barrel, the core slid back through the core catcher and remained there until preparing to cut core 1 on Conger No.1.

CB#1, a Chris ZC478 12.25" with two full gauge stabilizers was then picked up and run in the hole. From 2440m to 2447m tight hole, with 40 klb overpull was noted. At 2630m further tight hole was encountered and the kelly picked up and used to ream to 2617m where the rate of reaming decreased to less than 1 m/hr and the bit pulled without reaching bottom. The tight hole appeared to have been caused by a stiff BHA with full gauge stabilizers being worked through undergauge or rugose hole. The 12.25" core bit was changed out for a 9.875" Chris RC468 core bit, and graded as unservicable with the gauge protection having been obliterated. The stabilizers were changed out and the core barrel run back in the hole. Core 1 was then cut from 2776.0m to 2794.5m, (18.5m) in 1.2 hrs (on bottom) at an average ROP of 15.4 m/hr. While circulating prior to coring a strong smell of H2S was noticed at the shakers but no H2S was detected. The smell was possibly caused by CO2 lowering the pH of the mud causing accelerated bacterial breakdown of the polymers in the mud. The barrell was pulled out and layed down and 18.2m (98%) of water saturated sandstone recovered. CB#2 was graded as 35% worn.

NB#7, a Reed HP51AJ 12.25", was picked up and run in conjunction with an MWD tool to 2712m where the kelley was picked up and 7 singles reamed to bottom. A trip gas of 8.3% (415 u) and 1.2% CO2 was recorded from bottoms up. Drilling continued through well cemented siltstones and sandstones of the lower Latrobe Group at 3 to 30 m/hr. At 2823 the ROP increased to over 50 m/hr and a flow check (static) was made at 2825m. When drilling resumed 30 bbl of mud were lost, presumably

to the formation as there were no apparent surface losses at this time. The lithology associated with the drilling break was (fractured?) coal. Anouther drilling break was flow checked at 2963m with no flow. Drilling then continued to 2970m where high on bottom torque and severe bit bouncing were recorded indicating possibly locked cones and it was decided to TD the well at this depth (2970m). The mud had become baddly contaminated by CO2 and it was necessary to circulate for 19.5 hours to remove the carbonate contamination from the mud. When the bit reached surface it was graded T6 B4 G14.

Electric wireline logs were then run,

Run 1: DLL-MSFL-BHC-LDL-CNL-SP-GR
Run 2: SHDT-GR
Run 3: WSS (Velocity Survey)
Run 4: CST (2 guns)

After the wireline logs were run, the hole was plugged and abandoned according to ESSO procedures.

BOREHOLE CONDITION.

Hole conditions from 2490m to 2970m were generaly good with no hole problems being noted while drilling. Only minor tight hole was recorded from stands 10 and 11 on the trip out with NB#6. However on the trip in with CB#1 (a 12.25" bit) tight hole was noted from 2440m to 2447m and at 2630m the kelly had to be picked up to ream tight hole. By 2717m the gauge protection on the bit had been worn off and the bit pulled before reaching TD. The hole problems associated with this run were thought to be due to a stiff BHA with full gauge stabilizers and bit trying to pass through undergauge or rugose hole. There was no indications of any hole instability.

Core 1 was cut, using a 9.875" bit, with no problems and 18.2m (98%)of water saturated sandstone recovered.

No hole problems were note while tripping in or drilling with NB#7 and only minor tight hole (less than 30klb drag) recorded from stands 11 - 28 on the trip out prior to logging.

PORE PRESSURE

All the monitered pressure parameters indicated a normaly pressured hole from 2490m to 2530m. From this depth to 2620m background gas satrted to increase and was slow to decrease after any peaks. This may have been caused by an increase in formation pressure. No connection gas or splintery cavings were seen from this interval therfore it is unlikley that the formation pressure exceeded the mud hydrostatic at any stage and the maximum formation pressure was estimated to be 9.0 ppg EMW at 2620m.

From 2620m gas values returned to normal and the section from 2620m to 2970 appeares to be normaly pressured.

APPENDIX J : Hydraulics Printouts

ESSO Congaer No.1
Date : 1 Mar 89 Time : 07:19

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	3.00	cP
YIELD POINT	15.00	lb/cft^2
POWER LAW k	4.5738	
POWER LAW n	.2224	
DEPTH	815.00	m
VERTICAL DEPTH	815.00	m
DEPTH OF RETURNS	803.00	m
CUTTINGS BULK DENSITY	2.10	spc grv
MUD DENSITY	9.30	lb/gal
ACTIVE SURFACE MUD VOLUME	447	bbl
FLOW RATE	995	gal/min
BOOSTER FLOW	0	gal/min
PUMP PRESSURE	2850	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	18, 18, 16	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	21.000/ 5.000	58.6	283.7	LAMINAR	.5
86.00	214.00	128.00	18.936/ 5.000	73.1	289.1	LAMINAR	.9
214.00	617.45	403.45	17.500/ 5.000	86.7	293.4	LAMINAR	3.5
617.45	699.60	82.15	17.500/ 5.000	86.7	293.4	LAMINAR	.7
699.60	794.00	94.40	17.500/ 8.000	100.7	305.4	LAMINAR	1.2
794.00	815.00	21.00	17.500/ 9.750	115.5	313.9	LAMINAR	.4

MUD HYDROSTATIC	9.30	lb/gal	
FLOW CONTRIBUTION	.05	lb/gal	
CUTTINGS CONTRIBUTION	.13	lb/gal	
EQUIVALENT CIRCULATING DENSITY	9.48	lb/gal	
SURFACE PRESSURE LOSS	105 psi	NOZZLE VELOCITY	460.4 ft/sec
PIPEBORE PRESSURE LOSS	451 psi	HYDRAULIC POWER	1021.8 hp
ANNULAR PRESSURE LOSS	7 psi	JET IMPACT FORCE	2205.2 lb
BIT PRESSURE LOSS	1760 psi	% OF PRESS LOSS AT BIT	76
TOTAL CALC. PRESS LOSS	2324 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 199 s.p.m.	
1) Pipe Capacity	1383	33	277	1.4	
2) Pipe Displacement	2083	50	417	2.1	
3) Total Annulus	32241	768	6448	32.4	<- LAG
Mud in active pits	18770	447	3754	18.9	
Circulation (1) + (3)	33625	801	6725	33.8	
Hole Volume (1)+(2)+(3)	35708	850	7142	35.9	
Total Mud Circulation	52394	1247	10479	52.7	

ESSO AUST Conger No.1
Date : 3 Mar 87 Time : 00:19

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	5.00	cP
YIELD POINT	40.00	lb/cft^2
POWER LAW k	17.6815	
POWER LAW n	.1520	
DEPTH	868.00	m
VERTICAL DEPTH	868.00	m
DEPTH OF RETURNS	863.00	m
CUTTINGS BULK DENSITY	2.20	spc grv
MUD DENSITY	9.20	lb/gal
ACTIVE SURFACE MUD VOLUME	444	bbl
FLOW RATE	853	gal/min
BOOSTER FLOW	0	gal/min
PUMP PRESSURE	2820	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 16	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	58.9	524.8	LAMINAR	1.8
86.00	644.63	558.63	12.612/ 5.000	155.9	555.9	LAMINAR	30.1
644.63	726.78	82.15	12.612/ 5.000	155.9	555.9	LAMINAR	4.4
726.78	815.00	88.22	12.612/ 8.000	219.9	581.5	LAMINAR	8.9
815.00	868.00	53.00	12.250/ 8.000	242.9	585.6	LAMINAR	6.0

MUD HYDROSTATIC	9.20 lb/gal
FLOW CONTRIBUTION	.35 lb/gal
CUTTINGS CONTRIBUTION	.05 lb/gal
EQUIVALENT CIRCULATING DENSITY	9.60 lb/gal

SURFACE PRESSURE LOSS	78 psi	NOZZLE VELOCITY	464.6 ft/sec
PIPEBORE PRESSURE LOSS	316 psi	HYDRAULIC POWER	882.4 hp
ANNULAR PRESSURE LOSS	51 psi	JET IMPACT FORCE	1887.1 lb
BIT PRESSURE LOSS	1773 psi	% OF PRESS LOSS AT BIT	80
TOTAL CALC. PRESS LOSS	2218 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 171 s.p.m.	
1) Pipe Capacity	1826	43	365	2.1	
2) Pipe Displacement	1867	44	373	2.2	
3) Total Annulus	17142	408	3428	20.1	<- LAG
4) Mud in active pits	18665	444	3733	21.9	
Circulation (1) + (3)	18968	452	3794	22.2	
Hole Volume (1)+(2)+(3)	20835	496	4167	24.4	
Total Mud Circulation	37633	896	7527	44.1	

Date : 4 Mar 89 Time : 02:42

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	6.00	cP
YIELD POINT	13.00	lb/cft^2
POWER LAW k	1.6521	
POWER LAW n	.3959	
DEPTH	1544.00	m
VERTICAL DEPTH	1544.00	m
DEPTH OF RETURNS	1523.57	m
CUTTINGS BULK DENSITY	2.20	spc grv
MUD DENSITY	9.33	lb/gal
ACTIVE SURFACE MUD VOLUME	487	bbl
FLOW RATE	793	gal/min
BOOSTER FLOW	0	gal/min
PUMP PRESSURE	2800	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 16	

CALCULATED RESULTS FOR OUT OF GAUGE HOLE: THEORETICAL HOLE SIZE = 12.250 in
CALCULATED HOLE SIZE = 12.765 in

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	54.7	218.3	LAMINAR	.3
86.00	815.00	729.00	12.612/ 5.000	144.9	258.0	LAMINAR	9.3
815.00	1320.6	505.63	12.765/ 5.000	140.8	256.7	LAMINAR	6.2
1320.6	1402.8	82.15	12.765/ 5.000	140.8	256.7	LAMINAR	1.0
1402.8	1544.0	141.22	12.765/ 8.000	196.3	291.3	LAMINAR	3.9

MUD HYDROSTATIC	9.33 lb/gal		
FLOW CONTRIBUTION	.08 lb/gal		
CUTTINGS CONTRIBUTION	.12 lb/gal		
EQUIVALENT CIRCULATING DENSITY	9.53 lb/gal		
SURFACE PRESSURE LOSS	69 psi	NOZZLE VELOCITY	431.7 ft/sec
PIPEBORE PRESSURE LOSS	659 psi	HYDRAULIC POWER	718.1 hp
ANNULAR PRESSURE LOSS	21 psi	JET IMPACT FORCE	1652.7 lb
BIT PRESSURE LOSS	1553 psi	% OF PRESS LOSS AT BIT	67
TOTAL CALC. PRESS LOSS	2301 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 159 s.p.m.	
1) Pipe Capacity	3481	83	696	4.4	
2) Pipe Displacement	2523	60	505	3.2	
3) Total Annulus	29668	706	5934	37.4	<- LAG
Mud in active pits	20454	487	4091	25.8	
culation (1) + (3)	33148	789	6630	41.8	
Hole Volume (1)+(2)+(3)	35671	849	7134	45.0	
Total Mud Circulation	53602	1276	10720	67.6	

ESSO AUST Conger No.1
Date : 5 Mar 89 Time : 02:57

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	5.00	cP
YIELD POINT	21.00	lb/cft^2
POWER LAW k	5.4418	
POWER LAW n	.2538	
DEPTH	1822.00	m
VERTICAL DEPTH	1822.00	m
DEPTH OF RETURNS	1818.00	m
CUTTINGS BULK DENSITY	2.30	spc grv
MUD DENSITY	9.50	lb/gal
ACTIVE SURFACE MUD VOLUME	360	bbl
FLOW RATE	765	gal/min
BOOSTER FLOW	0	gal/min
PUMP PRESSURE	2900	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 16	

CALCULATED RESULTS FOR OUT OF GAUGE HOLE: THEORETICAL HOLE SIZE = 12.790 in
CALCULATED HOLE SIZE = 11.937 in

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	52.8	333.8	LAMINAR	.7
86.00	815.00	729.00	12.612/ 5.000	139.9	368.9	LAMINAR	17.7
815.00	1598.6	783.63	11.937/ 5.000	159.6	374.1	LAMINAR	22.2
1598.6	1680.8	82.15	11.937/ 5.000	159.6	374.1	LAMINAR	2.3
1680.8	1822.0	141.22	11.937/ 8.000	238.9	408.1	LAMINAR	9.0

MUD HYDROSTATIC	9.50	lb/gal
FLOW CONTRIBUTION	.17	lb/gal
CUTTINGS CONTRIBUTION	.02	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.69	lb/gal

SURFACE PRESSURE LOSS	66 psi	NOZZLE VELOCITY	416.7 ft/sec
PIPEBORE PRESSURE LOSS	546 psi	HYDRAULIC POWER	657.4 hp
ANNULAR PRESSURE LOSS	52 psi	JET IMPACT FORCE	1567.6 lb
BIT PRESSURE LOSS	1473 psi	% OF PRESS LOSS AT BIT	69
TOTAL CALC. PRESS LOSS	2137 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 153 s.p.m.	
1) Pipe Capacity	4161	99	832	5.4	
2) Pipe Displacement	2792	66	558	3.6	
3) Total Annulus	32024	762	6405	41.9	<- LAG
4) Mud in active pits	15120	360	3024	19.8	
Circulation (1) + (3)	36185	862	7237	47.3	
Hole Volume (1)+(2)+(3)	38977	928	7795	50.9	
Total Mud Circulation	51305	1222	10261	67.1	

ESSO AUST Conger No.1
Date : 6 Mar 89 Time : 02:18

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	7.00	cP
YIELD POINT	18.00	lb/cft^2
POWER LAW k	2.7793	
POWER LAW n	.3561	
DEPTH	1928.00	m
VERTICAL DEPTH	1927.60	m
DEPTH OF RETURNS	1925.17	m
CUTTINGS BULK DENSITY	2.40	spc grv
MUD DENSITY	9.40	lb/gal
ACTIVE SURFACE MUD VOLUME	481	bbl
FLOW RATE	780	gal/min
BOOSTER FLOW	0	gal/min
PUMP PRESSURE	2850	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 16	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	53.8	277.5	LAMINAR	.4
86.00	815.00	729.00	12.612/ 5.000	142.6	321.4	LAMINAR	13.4
815.00	1704.6	889.63	12.250/ 5.000	152.9	325.0	LAMINAR	17.9
1704.6	1786.8	82.15	12.250/ 5.000	152.9	325.0	LAMINAR	1.7
1786.8	1928.0	141.22	12.250/ 8.000	222.1	366.8	LAMINAR	6.7

MUD HYDROSTATIC	9.40	lb/gal
FLOW CONTRIBUTION	.12	lb/gal
CUTTINGS CONTRIBUTION	.02	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.54	lb/gal

SURFACE PRESSURE LOSS	68 psi	NOZZLE VELOCITY	424.8 ft/sec
PIPEBORE PRESSURE LOSS	748 psi	HYDRAULIC POWER	689.3 hp
ANNULAR PRESSURE LOSS	40 psi	JET IMPACT FORCE	1612.3 lb
BIT PRESSURE LOSS	1515 psi	% OF PRESS LOSS AT BIT	64
TOTAL CALC. PRESS LOSS	2370 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 156 s.p.m.	
1) Pipe Capacity	4420	105	884	5.7	
2) Pipe Displacement	2895	69	579	3.7	
3) Total Annulus	34810	829	6962	44.6	<- LAG
4) Mud in active pits	20202	481	4040	25.9	
Circulation (1) + (3)	39231	934	7846	50.3	
Hole Volume (1)+(2)+(3)	42126	1003	8425	54.0	
Total Mud Circulation	59433	1415	11887	76.2	

ESSO AUST Conger No.1
Date : 7 Mar 89 Time : 01:22

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	7.00	cP
YIELD POINT	16.00	lb/cft^2
POWER LAW k	2.1617	
POWER LAW n	.3833	
DEPTH	2142.00	m
VERTICAL DEPTH	2141.70	m
DEPTH OF RETURNS	2132.63	m
CUTTINGS BULK DENSITY	2.40	spc grv
MUD DENSITY	9.50	lb/gal
ACTIVE SURFACE MUD VOLUME	417	bbl
FLOW RATE	725.0	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	2780	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 18	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	50.0	249.1	LAMINAR	.4
86.00	815.00	729.00	12.612/ 5.000	132.5	292.5	LAMINAR	11.2
815.00	1904.6	1089.6	12.250/ 5.000	142.1	296.1	LAMINAR	18.4
1904.6	1986.7	82.15	12.250/ 5.000	142.1	296.1	LAMINAR	1.4
1986.7	2142.0	155.27	12.250/ 8.000	206.5	337.9	LAMINAR	6.3

MUD HYDROSTATIC	9.50	lb/gal
FLOW CONTRIBUTION	.10	lb/gal
CUTTINGS CONTRIBUTION	.05	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.65	lb/gal

SURFACE PRESSURE LOSS	20 psi	NOZZLE VELOCITY	362.8 ft/sec
PIPEBORE PRESSURE LOSS	765 psi	HYDRAULIC POWER	472.1 hp
ANNULAR PRESSURE LOSS	38 psi	JET IMPACT FORCE	1293.2 lb
BIT PRESSURE LOSS	1116 psi	% OF PRESS LOSS AT BIT	58
TOTAL CALC. PRESS LOSS	1939 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 145 s.p.m.	
1) Pipe Capacity	4925	117	985	6.8	
2) Pipe Displacement	3194	76	639	4.4	
3) Total Annulus	38305	912	7661	52.8	<- LAG
4) Mud in active pits	17518	417	3504	24.2	
Circulation (1) + (3)	43230	1029	8646	59.6	
Hole Volume (1)+(2)+(3)	46424	1105	9285	64.0	
Total Mud Circulation	60748	1446	12150	83.8	

ESSO AUST Conger No.1
Date : 8 Mar 89 Time : 02:51

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	7.00	cP
YIELD POINT	18.00	lb/cft^2
POWER LAW k	2.7793	
POWER LAW n	.3561	
DEPTH	2410.00	m
VERTICAL DEPTH	2409.30	m
DEPTH OF RETURNS	2394.00	m
CUTTINGS BULK DENSITY	2.40	spc grv
MUD DENSITY	9.50	lb/gal
ACTIVE SURFACE MUD VOLUME	433	bbl
FLOW RATE	700.0	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	2750	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 18	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	48.3	275.7	LAMINAR	.4
86.00	815.00	729.00	12.612/ 5.000	128.0	319.4	LAMINAR	12.9
815.00	2172.6	1357.6	12.250/ 5.000	137.2	322.9	LAMINAR	26.3
2172.6	2254.7	82.15	12.250/ 5.000	137.2	322.9	LAMINAR	1.6
2254.7	2410.0	155.27	12.250/ 8.000	199.4	364.5	LAMINAR	7.1

MUD HYDROSTATIC	9.50	lb/gal
FLOW CONTRIBUTION	.12	lb/gal
CUTTINGS CONTRIBUTION	.08	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.70	lb/gal

SURFACE PRESSURE LOSS	19 psi	NOZZLE VELOCITY	350.3 ft/sec
PIPEBORE PRESSURE LOSS	765 psi	HYDRAULIC POWER	425.0 hp
ANNULAR PRESSURE LOSS	48 psi	JET IMPACT FORCE	1205.6 lb
BIT PRESSURE LOSS	1041 psi	% OF PRESS LOSS AT BIT	56
TOTAL CALC. PRESS LOSS	1872 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 140 s.p.m.
1) Pipe Capacity	5580	133	1116	8.0
2) Pipe Displacement	3454	82	691	4.9
3) Total Annulus	42772	1018	8554	61.1 <- LAG
4) Mud in active pits	18190	433	3638	26.0
Circulation (1) + (3)	48353	1151	9671	69.1
Hole Volume (1)+(2)+(3)	51807	1234	10361	74.0
Total Mud Circulation	66543	1584	13309	95.1

ESSO AUST Conger No.1
Date : 9 Mar 89 Time : 02:10

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	8.00	cP
YIELD POINT	24.00	lb/cft^2
POWER LAW k	4.3949	
POWER LAW n	.3219	
DEPTH	2490.00	m
VERTICAL DEPTH	2489.20	m
DEPTH OF RETURNS	2478.45	m
CUTTINGS BULK DENSITY	2.50	spc grv
MUD DENSITY	9.54	lb/gal
ACTIVE SURFACE MUD VOLUME	470	bbl
FLOW RATE	683.5	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	2970	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 14	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	47.2	338.2	LAMINAR	.6
86.00	815.00	729.00	12.612/ 5.000	125.0	385.4	LAMINAR	17.9
815.00	2252.6	1437.6	12.250/ 5.000	134.0	389.2	LAMINAR	38.5
2252.6	2334.7	82.15	12.250/ 5.000	134.0	389.2	LAMINAR	2.2
2334.7	2481.5	146.77	12.250/ 8.000	194.7	433.4	LAMINAR	8.9
2481.5	2490.0	8.50	12.250/ 8.000	194.7	433.4	LAMINAR	.5

MUD HYDROSTATIC	9.54	lb/gal
FLOW CONTRIBUTION	.16	lb/gal
CUTTINGS CONTRIBUTION	.06	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.76	lb/gal

SURFACE PRESSURE LOSS	71 psi	NOZZLE VELOCITY	403.8 ft/sec
PIPEBORE PRESSURE LOSS	769 psi	HYDRAULIC POWER	553.9 hp
ANNULAR PRESSURE LOSS	69 psi	JET IMPACT FORCE	1362.9 lb
BIT PRESSURE LOSS	1389 psi	% OF PRESS LOSS AT BIT	60
TOTAL CALC. PRESS LOSS	2299 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 137 s.p.m.	
1) Pipe Capacity	5774	137	1155	8.4	
2) Pipe Displacement	3534	84	707	5.2	
3) Total Annulus	44106	1050	8821	64.5	<- LAG
4) Mud in active pits	19744	470	3949	28.9	
Circulation (1) + (3)	49880	1188	9976	73.0	
Hole Volume (1)+(2)+(3)	53414	1272	10683	78.1	
Total Mud Circulation	69624	1658	13925	101.9	

ESSO AUST Conger No.1
Date : 10 Mar 89 Time : 02:23

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	8.00	cP
YIELD POINT	18.00	lb/cft^2
POWER LAW k	2.3886	
POWER LAW n	.3870	
DEPTH	2716.00	m
VERTICAL DEPTH	2715.13	m
DEPTH OF RETURNS	2703.15	m
CUTTINGS BULK DENSITY	2.50	spc grv
MUD DENSITY	9.40	lb/gal
ACTIVE SURFACE MUD VOLUME	516	bbl
FLOW RATE	650.0	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	2870	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 14	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	44.8	268.7	LAMINAR	.4
86.00	815.00	729.00	12.612/ 5.000	118.8	316.1	LAMINAR	12.0
815.00	2476.1	1661.1	12.250/ 5.000	127.4	319.9	LAMINAR	30.1
2476.1	2558.2	82.15	12.250/ 5.000	127.4	319.9	LAMINAR	1.5
2558.2	2705.0	146.77	12.250/ 8.000	185.1	365.7	LAMINAR	6.4
2705.0	2716.0	11.00	12.250/ 8.000	185.1	365.7	LAMINAR	.5

MUD HYDROSTATIC	9.40	lb/gal
FLOW CONTRIBUTION	.11	lb/gal
CUTTINGS CONTRIBUTION	.06	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.57	lb/gal

SURFACE PRESSURE LOSS	481 psi	NOZZLE VELOCITY	384.0 ft/sec
PIPEBORE PRESSURE LOSS	879 psi	HYDRAULIC POWER	469.4 hp
ANNULAR PRESSURE LOSS	51 psi	JET IMPACT FORCE	1214.5 lb
BIT PRESSURE LOSS	1238 psi	% OF PRESS LOSS AT BIT	47
TOTAL CALC. PRESS LOSS	2649 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 130 s.p.m.	
1) Pipe Capacity	6319	150	1264	9.7	
2) Pipe Displacement	3774	90	755	5.8	
3) Total Annulus	47860	1140	9572	73.6	<- LAG
4) Mud in active pits	21672	516	4334	33.3	
Circulation (1) + (3)	54179	1290	10836	83.4	
Hole Volume (1)+(2)+(3)	57953	1380	11591	89.2	
Total Mud Circulation	75851	1806	15170	116.7	

ESSO AUST Conger No.1
Date : 11 Mar 89 Time : 02:59

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	7.00	cP
YIELD POINT	22.00	lb/cft^2
POWER LAW k	4.2363	
POWER LAW n	.3119	
DEPTH	2776.00	m
VERTICAL DEPTH	2775.14	m
DEPTH OF RETURNS	2764.62	m
CUTTINGS BULK DENSITY	2.50	spc grv
MUD DENSITY	9.40	lb/gal
ACTIVE SURFACE MUD VOLUME	352	bbl
FLOW RATE	400.0	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	900	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	21, 21, 21	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	27.6	327.0	LAMINAR	.5
86.00	815.00	729.00	12.612/ 5.000	73.1	370.9	LAMINAR	14.1
815.00	2536.1	1721.1	12.250/ 5.000	78.4	374.4	LAMINAR	36.2
2536.1	2618.2	82.15	12.250/ 5.000	78.4	374.4	LAMINAR	1.7
2618.2	2765.0	146.77	12.250/ 8.000	113.9	415.3	LAMINAR	7.0
2765.0	2776.0	11.00	12.250/ 8.000	113.9	415.3	LAMINAR	.5

MUD HYDROSTATIC	9.40	lb/gal
FLOW CONTRIBUTION	.13	lb/gal
CUTTINGS CONTRIBUTION	.05	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.58	lb/gal

SURFACE PRESSURE LOSS	195 psi	NOZZLE VELOCITY	128.3 ft/sec
PIPEBORE PRESSURE LOSS	386 psi	HYDRAULIC POWER	32.3 hp
ANNULAR PRESSURE LOSS	60 psi	JET IMPACT FORCE	249.8 lb
BIT PRESSURE LOSS	138 psi	% OF PRESS LOSS AT BIT	18
TOTAL CALC. PRESS LOSS	779 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 80 s.p.m.	
1) Pipe Capacity	6466	154	1293	16.2	
2) Pipe Displacement	3833	91	767	9.6	
3) Total Annulus	48860	1163	9772	122.2	<- LAG
4) Mud in active pits	14784	352	2957	37.0	
Circulation (1) + (3)	55326	1317	11065	138.3	
Hole Volume (1)+(2)+(3)	59158	1409	11832	147.9	
Total Mud Circulation	70110	1669	14022	175.3	

ESSO AUST Conger No.1
Date : 12 Mar 89 Time : 03:17

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	8.00	cP
YIELD POINT	17.00	lb/cft^2
POWER LAW k	2.1128	
POWER LAW n	.4005	
DEPTH	2794.50	m
VERTICAL DEPTH	2793.53	m
DEPTH OF RETURNS	2776.00	m
CUTTINGS BULK DENSITY	2.50	spc grv
MUD DENSITY	9.40	lb/gal
ACTIVE SURFACE MUD VOLUME	475	bbl
FLOW RATE	362.0	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	1160	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	15, 15, 15	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	25.0	255.6	LAMINAR	.3
86.00	815.00	729.00	12.612/ 5.000	66.2	302.8	LAMINAR	8.8
815.00	2554.6	1739.6	12.250/ 5.000	70.9	306.6	LAMINAR	23.2
2554.6	2636.7	82.15	12.250/ 5.000	70.9	306.6	LAMINAR	1.1
2636.7	2776.0	139.27	12.250/ 8.000	103.1	352.5	LAMINAR	4.5
2776.0	2783.5	7.50	9.875/ 8.000	264.7	433.1	LAMINAR	1.1
2783.5	2794.5	11.00	9.875/ 8.000	264.7	433.1	LAMINAR	1.6

MUD HYDROSTATIC	9.40	lb/gal
FLOW CONTRIBUTION	.09	lb/gal
CUTTINGS CONTRIBUTION	.06	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.54	lb/gal

SURFACE PRESSURE LOSS	162 psi	NOZZLE VELOCITY	211.2 ft/sec
PIPEBORE PRESSURE LOSS	376 psi	HYDRAULIC POWER	79.0 hp
ANNULAR PRESSURE LOSS	41 psi	JET IMPACT FORCE	371.9 lb
BIT PRESSURE LOSS	374 psi	% OF PRESS LOSS AT BIT	39
TOTAL CALC. PRESS LOSS	953 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 72 s.p.m.	
1) Pipe Capacity	6511	155	1302	18.0	
2) Pipe Displacement	3851	92	770	10.6	
3) Total Annulus	49039	1168	9808	135.5	<- LAG
4) Mud in active pits	19950	475	3990	55.1	
Circulation (1) + (3)	55549	1323	11110	153.5	
Hole Volume (1)+(2)+(3)	59400	1414	11880	164.1	
Total Mud Circulation	75499	1798	15100	208.6	

ESSO AUST Conger No.1
Date : 13 Mar 89 Time : 02:58

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	8.00	cP
YIELD POINT	26.00	lb/cft^2
POWER LAW k	5.1891	
POWER LAW n	.3049	
DEPTH	2794.50	m
VERTICAL DEPTH	2793.50	m
DEPTH OF RETURNS	2779.01	m
CUTTINGS BULK DENSITY	2.50	spc grv
MUD DENSITY	9.40	lb/gal
ACTIVE SURFACE MUD VOLUME	338	bbl
FLOW RATE	620.8	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	2610	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 14	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	42.8	363.3	LAMINAR	.7
86.00	815.00	729.00	12.612/ 5.000	113.5	410.7	LAMINAR	19.3
815.00	2554.6	1739.6	12.250/ 5.000	121.7	414.5	LAMINAR	50.1
2554.6	2636.7	82.15	12.250/ 5.000	121.7	414.5	LAMINAR	2.4
2636.7	2783.5	146.77	12.250/ 8.000	176.8	458.6	LAMINAR	9.5
2783.5	2794.5	11.00	12.250/ 8.000	176.8	458.6	LAMINAR	.7

MUD HYDROSTATIC	9.40	lb/gal	
FLOW CONTRIBUTION	.17	lb/gal	
CUTTINGS CONTRIBUTION	.07	lb/gal	
EQUIVALENT CIRCULATING DENSITY	9.65	lb/gal	

SURFACE PRESSURE LOSS	442 psi	NOZZLE VELOCITY	366.8 ft/sec
PIPEBORE PRESSURE LOSS	761 psi	HYDRAULIC POWER	408.9 hp
ANNULAR PRESSURE LOSS	83 psi	JET IMPACT FORCE	1107.8 lb
BIT PRESSURE LOSS	1129 psi	% OF PRESS LOSS AT BIT	47
TOTAL CALC. PRESS LOSS	2415 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 124 s.p.m.	
1) Pipe Capacity	6511	155	1302	10.5	
2) Pipe Displacement	3851	92	770	6.2	
3) Total Annulus	49169	1171	9834	79.2	<- LAG
4) Mud in active pits	14209	338	2842	22.9	
Circulation (1) + (3)	55679	1326	11136	89.7	
Hole Volume (1)+(2)+(3)	59530	1417	11906	95.9	
Total Mud Circulation	69888	1664	13978	112.6	

ESSO AUST Conger No.1
Date : 14 Mar 89 Time : 01:49

HYDRAULICS CALCULATIONS

PLASTIC VISCOSITY	8.00	cP
YIELD POINT	32.00	lb/cft^2
POWER LAW k	7.9053	
POWER LAW n	.2630	
DEPTH	2943.00	m
VERTICAL DEPTH	2941.70	m
DEPTH OF RETURNS	2938.32	m
CUTTINGS BULK DENSITY	2.50	spc grv
MUD DENSITY	9.40	lb/gal
ACTIVE SURFACE MUD VOLUME	363	bbl
FLOW RATE	602.0	gal/min
BOOSTER FLOW	0.0	gal/min
PUMP PRESSURE	2650	psi
PUMP CAPACITY	5.00	gal/stk
BIT NOZZLES	16, 16, 14	

CALCULATED RESULTS:

FROM m	TO m	LENGTH m	ANNULUS/PIPE in	ANN VEL. ft/min	CRIT VEL. ft/min	FLOW REGIME	PRESS LOSS psi
2.50	86.00	83.50	19.500/ 5.000	41.5	424.4	LAMINAR	1.0
86.00	815.00	729.00	12.612/ 5.000	110.1	470.9	LAMINAR	25.1
815.00	2703.1	1888.1	12.250/ 5.000	118.0	474.6	LAMINAR	70.4
2703.1	2785.2	82.15	12.250/ 5.000	118.0	474.6	LAMINAR	3.1
2785.2	2932.0	146.77	12.250/ 8.000	171.4	517.0	LAMINAR	11.8
2932.0	2943.0	11.00	12.250/ 8.000	171.4	517.0	LAMINAR	.9

MUD HYDROSTATIC	9.40	lb/gal
FLOW CONTRIBUTION	.22	lb/gal
CUTTINGS CONTRIBUTION	.02	lb/gal
EQUIVALENT CIRCULATING DENSITY	9.65	lb/gal

SURFACE PRESSURE LOSS	417 psi	NOZZLE VELOCITY	355.7 ft/sec
PIPEBORE PRESSURE LOSS	715 psi	HYDRAULIC POWER	372.9 hp
ANNULAR PRESSURE LOSS	112 psi	JET IMPACT FORCE	1041.8 lb
BIT PRESSURE LOSS	1062 psi	% OF PRESS LOSS AT BIT	46
TOTAL CALC. PRESS LOSS	2306 psi		

VOLUMES:	gal	bbl	Strokes	Minutes @ 120 s.p.m.	
1) Pipe Capacity	6874	164	1375	11.4	
2) Pipe Displacement	3995	95	799	6.6	
3) Total Annulus	51644	1230	10329	85.8	<- LAG
4) Mud in active pits	15246	363	3049	25.3	
Circulation (1) + (3)	58518	1393	11704	97.2	
Hole Volume (1)+(2)+(3)	62513	1488	12503	103.8	
Total Mud Circulation	73764	1756	14753	122.5	

APPENDIX K : Formation Evaluation Log

APPENDIX L : Drilling Data Tables

1. Casing and cemanting Data
2. Drilling Fluid Properties
3. Bit Data
4. Hydraulics Data

Casing and Cementing : Conger No.1 Table 1

Depth metres	Hole Size	Casing OD/ID	Shoe Depth	Grade lb/ft	#Joints	Cementing
214	26	20/	029	X56	12	LEAD: 750sx Class G @ 13.2ppg plus 2.2% prehyd bent.
		19.124		94		TAIL: 350sx Class G @ 15.8ppg
815	17.5	13.375/ 12.615	798	K55 54.5		1000sx Class G @ 15.8ppg

Drilling Fluid Properties: Conger No.1 Table No.2

Date	Time	Depth metres	MW ppg	Vis sec	PV/YP	Gel	Filt	fc	Sol %	Sand %	MBT	pH	Oil %	Cl ppm	Ca ppm
27/2	16:00	214	8.8	27	2/4	-	-	-	2	trace	-	9.0	0	17000	1700
27/2	24:00	411	9.2	29	3/8	-	-	-	4	trace	-	9.0	0	17000	1700
28/2	11:30	645	9.4+	31	4/13	10/12	-	-	6	trace	-	9.0	0	17000	1700
28/2	24:00	815	9.2+	34	3/15	11/15	-	-	4	trace	-	9.0	0	16000	1350
2/3	23:00	844	9.2+	50	5/40	15/35	-	-	4	trace	-	11.2	0	16000	1300
2/3	24:00	868	9.2	40	6/30	14/30	-	-	4	trace	-	11.0	0	16500	1300
3/3	13:00	1260	9.5	33	5/14	6/22	-	-	4	trace	-	10.1	0	15500	1200
3/3	23:00	1543	9.3+	33	6/13	8/18	-	-	5	trace	-	9.7	0	18000	1280
4/3	13:00	1822	9.5	43	5/32	16/38	36	4	9	Nil	35.0	10.6	0	18000	560
4/3	23:20	1822	9.5	42	5/21	9/32	17	3	10	Nil	35.0	10.2	0	18000	560
5/3	13:00	2005	9.4+	37	7/17	6/24	7.6	2	9	Nil	26.0	10.2	0	18000	640
5/3	21:00	1928	9.4+	38	7/18	6/26	7.2	2	8.5	Trace	25.0	9.8	0	18000	480
6/3	23:00	1930	9.5	39	7/16	5/16	7.8	2	9	Trace	20.0	9.9	0	18500	320
7/3	11:00	2254	9.5	44	7/22	8/26	6.6	2	9	Trace	22.5	10.6	0	17500	140
7/3	22:00	2401	9.5	41	7/18	7/26	6.8	2	8.5	Trace	19.0	9.8	0	18000	280
8/3	11:00	2471	9.5+	51	8/28	14/32	6.6	2	8.5	Trace	16.25	10.4	0	18000	80
8/3	23:00	2479	9.5+	47	8/24	10/26	6.4	2	9	Trace	17.5	10.2	0	18000	60
9/3	10:00	2600	9.5	48	10/24	10/32	8.2	2	8.5	Trace	17.5	10.1	0	18500	160
9/3	22:00	2697	9.4	43	8/18	8/26	7.8	2	8	Trace	16.25	10.3	0	18500	200
10/3	22:00	2776	9.4	42	7/22	10/28	9.2	2	9	Trace	16.25	10.3	0	18000	80
11/3	22:00	2794	9.4+	40	8/17	8/22	9.2	2	9	Trace	15.0	10.1	0	19000	320
12/3	11:00	2794	9.4+	40	8/26	10/28	9.4	2	8.5	Trace	15.0	10.2	0	19000	360
13/3	12:00	2880	9.5	40	6/25	10/32	56.0	4	9	Trace	13.75	10.1	0	17000	320
13/3	22:30	2943	9.4	54	8/32	14/46	15.5	3	9.5	Trace	12.5	11.6	0	16500	340
14/4	10:00	2970	9.6	44	8/29	13/38	21.0	3	9	Trace	14.0	11	0	17000	480
14/4	23:00	2970	9.6+	43	9/16	9/31	10.5	2	10	Trace	16.0	9.4	0	16500	460

Bit Table : Conger No.1 Table No.3

Bit #	Size ins	Type	Jets 32nds	Depth In	Depth Out	Bit m	Bit hrs	ROP avg	WOB klb	RPM	Torque avg-max	Bit revs	Grade T	Grade B	Grade G
RRB1	26.0	HUGHES OSC3AJ	3x20	86	214	128	8.7	8.75	0-10	80- 90	-	-	1	1	0
RRB2	17.5	REED S11J	18,18,16	214	815	601	22.4	26.8	15-45	120-150	180-450	174720	4	7	5
NB#3	12.25	REED HP11J	16,16,16	815	1822	1007	28.8	35.0	20-40	100-140	180-250	305815	3	4	in
NB#4	12.25	HTC J11	16,16,16	1822	1928	106	11.2	9.5	10-50	75-120	150-650	58234	7	4	in
NB#5	12.25	REED HP51AJ	16,16,18	1928	2471	543	40.4	13.4	30-40	120	100-700	272617	6	6	1/4
NB#6	12.25	REED HP51AJ	16,16,14	2471	2776	305	24.2	12.6	35-40	110-120	150-700	163932	4	4	3/16
RCB#1	12.25	CHRIS ZC478	tfa 1.0	2776	Failed to reach bottom								US		
CB#2	9.875	CHRIS RC476	tfa 0.55	2776	2974.5	18.5	1.2	15.4	10	65	220-350	4680	35% worn		
NB#7	12.25	REED HP%!AJ	16,16,14	2794.5	2970	175.5	25.1	7.0	30-50	80-110	200-520	2700	6	4	7/16

Hydraulics Data : Conger No.1 Table 4

BIT #	DEPTH m	HOLE DIAM inch	NOZZLES 32nds"	MUD WEIGHT ppg	ECD ppg	PV/YP	FLOW RATE gpm	PRESSURE LOSSES lbs per sq.in Surf	Pipe	Ann	Bit	ANNULAR VELS feet per min Risr	Pipe	Coll	CRIT DC VEL fpm	AT THE BIT VEL fps	HHP	IMP lbs	PUMP PRESSURE Bit %	Total Calc	Total Act
2	815	17.5	18,18,16	9.3	9.5	3/15	995	105	451	7	1760	59	87	115	314	460	1022	2205	76	2324	2850
3	868	12.25	16,16,16	9.2	9.3	5/40	853	78	918	51	1773	59	156	243	586	465	882	1887	63	2218	2820
3	1544	12.25	16,16,16	9.3+	9.5+	6/13	790	69	659	21	1553	55	141	196	291	432	718	1653	55	2310	2800
4	1822	12.25	16,16,16	9.5	9.7	5/21	765	66	546	52	1473	53	160	239	408	417	657	1568	51	2137	2900
4	1928	12.25	16,16,16	9.4	9.5+	7/18	780	68	748	40	1515	54	153	222	367	425	689	1612	53	2370	2850
5	2142	12.25	16,16,18	9.5	9.6+	7/16	725	38	765	20	1116	50	142	207	338	363	472	1293	40	1939	2780
5	2410	12.25	16,16,18	9.5	9.7	7/18	700	19	765	48	1041	48	137	199	364	350	425	1206	38	1872	2750
6	2490	12.25	16,16,18	9.5+	9.7+	8/24	683	71	769	69	1389	47	134	195	433	404	553	1363	47	2299	2970
6	2716	12.25	16,16,18	9.4	9.6	8/18	650	481	879	51	1238	45	127	185	366	384	469	1214	43	2649	2870
CB2	2776	9.628	TFA=0.55	9.4+	9.5+	8/22	362	162	376	41	374	25	71	103	433	211	79	372	32	953	1160
7	2796	12.25	16,16,14	9.4	9.6+	8/26	620	442	761	83	1129	43	122	177	459	367	409	1108	43	2415	2610
7	2941	12.25	16,16,14	9.4	9.6+	8/32	602	417	715	112	1062	42	118	171	517	356	373	1042	40	2306	2650

PE904393

This is an enclosure indicator page.
The enclosure PE904393 is enclosed within the container PE904392 at this location in this document.

The enclosure PE904393 has the folllowing characteristics:

ITEM_BARCODE	= PE904393
CONTAINER_BARCODE	= PE904392
NAME	= Exlog Mud Log
BASIN	=
PERMIT	=
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Mud Log, (Enclosure from Final Well Report), By EXLOG for Esso Australia, 14 March 1989, for Conger-1.
REMARKS	=
DATE_CREATED	= 14/03/89
DATE_RECEIVED	=
WELL_NO	= W988
WELL_NAME	= Conger-1
CONTRACTOR	= EXLOG
CLIENT_OP_CO	= Esso Australia

(Inserted by DNRE - Vic Govt Mines Dept)