Rec. 2/4/79

EXTENDED SERVICE REPORT

ATTACHMENT TO

WELL SUMMARY : SEAHORSE-1

(W 705)

W705

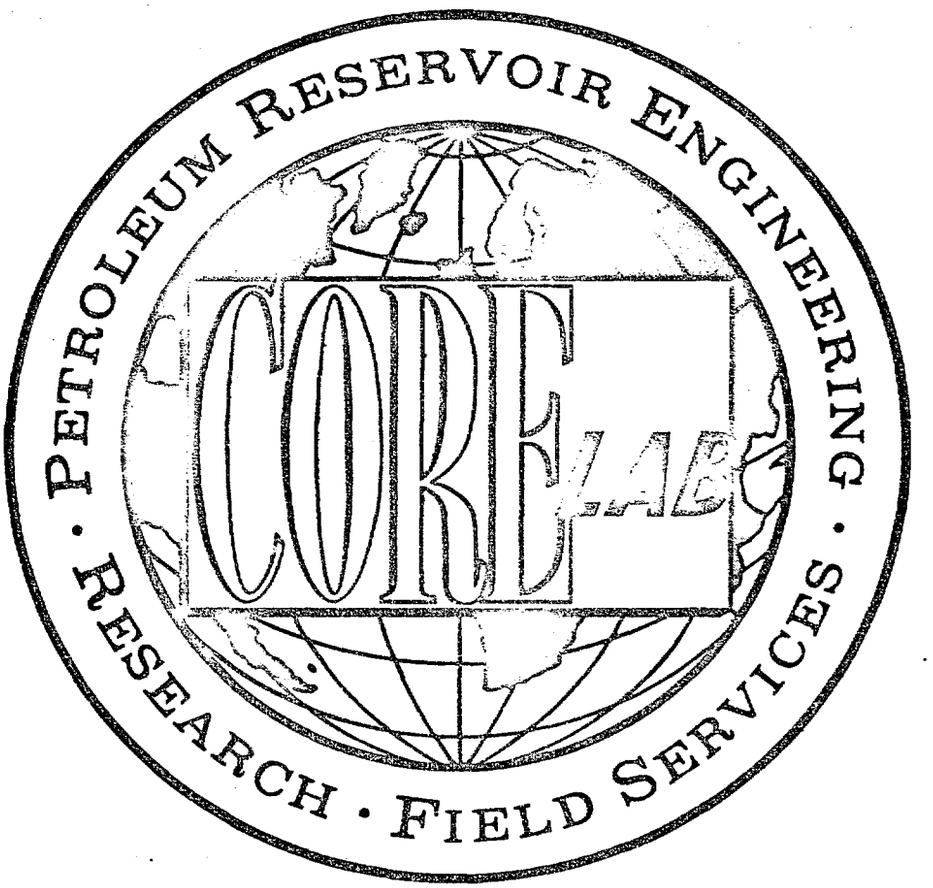
EXTENDED SERVICE

ESSO EXPLORATION AUSTRALIA, LTD,

SEAHORSE NO. 1

EXTENDED SERVICE WELL REPORT

OIL and GAS DIVISION



CORE LABORATORIES INTERNATIONAL LTD.

24A, LIM TECK BOO ROAD. SINGAPORE 19.

TELEPHONE:2821222; CABLE: CORELAB; TELEX: RS21423.

CORE LABORATORIES INTERNATIONAL LTD.

Petroleum Reservoir Engineering

SINGAPORE

REPLY TO:
24-A, LIM TECK BOO ROAD,
SINGAPORE 19.
CABLE: CORELAB
TELEPHONE: 2821222
TELEX: CORELAB RS 21423

11 SEPTEMBER 1978

Esso Australia Ltd.
P.O. Box 372
Sale
Victoria 3850
AUSTRALIA

Attention: Mr. L. D. Attaway

Dear Sir,

Enclosed with this well summary, for your inspection and reference, are all logs and relevant data (computer recorded metre by metre) pertaining to the drilling of SEAHORSE NO. 1. If you have any suggestions or queries on the presentation of this well summary and the data found within, please do not hesitate to contact us.

Core Laboratories appreciates being of assistance to Esso Australia during the entire drilling operations of SEAHORSE NO. 1 and look forward to our continued association on future exploratory work in Australia.

Yours very truly,
CORE LABORATORIES INTERNATIONAL LTD.

Klaus Schiller
Unit Supervisor

KS:wt
Encl.:

The well SEAHORSE NO. 1 was drilled by ESSO AUSTRALIA LTD. in the Gippsland Basin of the Bass Strait in Victoria, Australia.

The exploration well was drilled by ODECO's semi-submersible rig "Ocean Endeavour".

SEAHORSE NO. 1 well was spudded in a water depth of 43 metres on July 30 1978 and a total depth of 2304 metres was reached on August 24 1978.

Well location co-ordinates are:

LATITUDE:	38°	11'	47.92" S
LONGITUDE:	147°	40'	22.37" E

A Core Laboratories Extended Service fully integrated computer unit was located on board the Ocean Endeavour to monitor all drilling parameters below the 508.0mm casing depth at 188 metres. All computer data found within this report is stored on magnetic tape and can be retrieved at any time at the request of the client.

The Core Laboratories well-site crew consisted of:

Unit Supervisor	-	Klaus Schiller
E.S. Engineer	-	Andy Pietsch
E.S. Engineer	-	Ronald Wigham
E.S. Engineer	-	Greg Holmes
Mud Loggers	-	Dennis Anderson
		Peter Lane
		Joel Rappaport
		Roy Smith

WELL SUMMARY

SEAHORSE NO. 1 was spudded on July 30 1978, in a water depth of 43m. A 660.4mm hole was drilled from the sea floor (K.B. to sea floor being 68m), to 196m using seawater, with returns to the sea floor. 508mm casing was set at 188m, followed by B.O.P. and marine riser emplacement.

A 444.5mm hole was then drilled to 993m. The lithology over the section 196 - 993m was of essentially firm to semi-friable calcarenite with very minor soft to firm calcareous siltstone at the extreme base of the section. Drilling rates ranged from in excess of 400m/hour to 30m/hour, with an overall average of approximately 100m/hour. There is a noticeable slowing of the drill rate from 880m onwards which was probably due to the hours on the bit. Background gas (in hot wire units) ranged from zero to a trace throughout the section, while absence of connection gas indicated that this section was drilled in an overbalanced condition. The drilling fluid used was seawater to 920m, with a seawater-gel system being introduced from 920 - 993m. The hole was conditioned prior to running the following wireline electric logs:

ISF - Sonic	188 - 993m
FDC - GR	Seafloor - 993m (FDC only run from 188-993m)
30 CST's	210 - 990m (100% recovery)

339.75mm casing was set at 977m and drilling continued with a 311.15mm bit. A pressure integrity test immediately below the casing shoe produced a 1.76 S.G. mud weight equivalent, with no leak-off. The lithology between 993m and 1105m comprised mainly of firm calcareous siltstone interbedded with minor calcarenite and harder fossiliferous micritic limestone. Drilling rates ranged from 80 - 30m/hour, and background gas was only a trace. Drilling fluid comprised of 1.08 - 1.09 S.G. seawater/gel. Lithology between 1105m and 1400m was of mainly firm calcareous mudstone grading to softer marl at the very

top and lower parts of the section. Rare siltstone and sandstone come in at the extreme base of the section. Drill rates ranged from 108 - 25m/hour and background gas slightly increased form a trace to 0.5 units and there was no connection gas. At 1154m the mud was weighted up from S.G. 1.09 to S.G. 1.21. As in previous wells the flowline became blocked while drilling the softer marl/ mudstone section (at 1306m).

A drilling break at 1402m was circulated out revealing a mixed sample of mudstone, siltstone, sandstone and coal. Drilling continued to 1410m and background gas of 1 unit sharply increased to a bottoms-up peak of 71 units (comprising of C1 - C5 on the chromatograph). This drill break coupled with 'heavies' in the gas strongly suggested the 'cap' of the prospective reservoir and preparations were made for coring, The following cores were cut:

Core No. 1 :	1411 - 1424.8m	=	13.8m
(C22)	Rec. 7.46m (54%)		
Core No. 2 :	1424.8 - 1439.0m	=	14.2m
(C20)	Rec. 13.7m (96.5%)		
Core No. 3 :	1439.0 - 1453.0m	=	14.0m
(C20)	Rec. 8.0m (57%)		
Core No. 4 :	1453.0 - 1465.6m	=	12.6m
(C20)	Rec. 6.8m (54%)		
Core No. 5 :	1465.6 - 1479.6m	=	14.0m
(C20)	Rec. 11.0m (78.5%)		

Coring rates were from 1.5 - 24m/hour, while background gas increased giving peaks of 12 units at 1423m and 7 units at 1440m. Full core descriptions are attached to the tail of the grapholog which can be found at the rear of this report. Hydrocarbons were encountered throughout a large part of the cored section. The relatively low gas readings during coring can probably be attributed to the very

slow coring rates and a high mud weight (1.22 S.G.) overbalance which had resulted in the cored section being "flushed" on close inspection.

On site core analysis of selected portions of the core produced the following results:

Depth	Permeability (Millidarcy's)	Porosity	Pore Saturation Oil	Pore Saturation Water
1425.25-25.32	5141.95	28.58	6.07	47.83
1430.42-30.49	5304.70	31.65	9.51	51.33
1434.73-34.83	5239.60	30.68	7.36	58.85
1455.98-56.10	4893.29	11.62	4.83	38.66
1456.55-56.70	4893.29	20.02	2.57	65.87
1462.14-62.23	4902.14	13.04	2.57	61.61
1462.83-62.94	4656.46	12.92	2.70	58.96
1465.84-65.94	4719.73	19.30	0.00	69.94
1474.48-74.60	4745.03	23.76	0.00	65.18

However, permeability results of the core analysis performed on the rig appear suspect.

Therefore, included in this well summary are the results of the core analysis performed on selected portions of the cores in Corelab's core analysis laboratory in Perth, West Australia.

Depth	Permeability (Millidarcy's)	Porosity	Pore Saturation Oil	Pore Saturation Water
1425.5-1425.59m	82	24.2	14.1	42.7
1431.1-1431.27m	286	23.5	13.5	45.5
1435.54-1435.67m	112	21.4	9.1	32.6
1457.2-1457.4m	79	19.1	1.2	72.4
1458-1458.15m	176	25.1	10.9	54.9
1474.18-1474.38m	39	21.2	5.3	72.2
1474.8-1474.96m	29	18.5	8.2	49.4

Note: Porosity and permeability determined at overburden pressure.

The core rat hole was reamed to 311.15mm, using a HTC XDG bit and drilling continued to 1510 metres with a controlled drilling rate of 15 - 20 m/hour being applied.

The lithology over this interval consisted predominantly of siltstone with minor interbedded coal.

Background gas was 3 units with maximum gas readings of 6 units at 1495 metres and 22 units at 1488 metres. At 1510 metres a wiper trip was run and the hole conditioned for the following wireline log runs:

ISF/SONIC/MSFL	1507.5 - 977.5 metres
CNL/FDC	1508.5 - 977.0 metres

One sidewall core gun was run with a 100% recovery and a total of 14 RFT and 6 FIT samples were taken.

Recovered oil from RFT No. 5 @ 1444.3 metres
RFT No. 6 @ 1437 metres
RFT No. 8 @ 1426.8 metres
and RFT No. 4 @ 1432.5 metres

produced an API gravity in the range of 52^{o} to 55^{o} API at 60^{o}F.

Gas reading from RFT No. 5
RFT No. 6
RFT No. 8

were from C_1 (Methane) to C_5 (Penthane) on the gas chromatograph.

The mud weight was then decreased from 1.21 SG to 1.18 S.G. and drilling was resumed with a HTCxDG bit to 1737.6 metres. A drilling break occured at 1513.6 metres with an increase in rate of penetration from 11m/hour to 58m/hour and a second drilling break occured at 1544 metres with an increase in penetration from 9.6m/hour to 81m/hour. Both drilling breaks were circulated out, however, no hydrocarbon shows were encountered in the drill cutting and gas readings remained at 1 unit on the hot wire gas detector. An instrument carbide check, run at the time to ensure proper function of both the hot wire gas detector and the gas chromatograph produced a positive result. At 1603 metres gas readings increased from 1 unit to a maximum of 104 units at 1613 metres. The high gas reading may possibly be due to a coal bed encountered at this interval. Gas reading then returned to 1 unit as drilling continued.

The average rate of penetration from 1510 metres to 1600 metres was 58m/hour. At 1600 metres the rate of penetration then decreased to an average of 9m/hour to 1628 metres. At 1628 metres a third drilling break occured with an increase in penetration to 109m/hour. A flow check was taken with a negative result and the drilling break circulated out. No hydrocarbon shows were encountered in the drilling cuttings. Drilling was resumed at an average rate of penetration of 36m/hour to 1737.6 metres. The lithology from 1510 - 1737.6 metres consisted of coarse to granular loose quartz and minor interbedded siltstone and coal at the top of the interval with coarse to granular loose quartz becoming more predominant toward the base. Traces of coal encountered toward the base of the interval are probably cavings.

At 1737.6 metres bottom hole cutting were circulated out and the bit was pulled.

A new HTCXDG bit was run and drilling was resumed to 1865 metres with an average rate of penetration of 40m/hour decreasing sharply over the last 25 metres to an average of 5m/hour.

A drilling break at 1777 metres, with an increase of penetration from 13-50m/hour, was circulated out. No hydrocarbon shows were encountered in the drill cuttings. Background gas increased from 0.5 units to 2 units at 1780 metres with a peak of 7 units at 1805 metres and a second peak of 12 units at 1847 metres.

Lithology from 1737.6 - 1865 metres consisted of coarse to granular loose quartz of the top of the interval becoming inter-bedded with coal and minor siltstone and mudstone toward the base, resulting in a very erratic rate of penetration ranging from 7m/hour to 100m/hour. At 1865 bottom hole cutting were circulated out. A wiper trip was run and the hole conditioned to run the following wireline logs:

ISF/SONIC 1865 - 1350 metres
FDC/GR/CNL 1865 - 1350 Metres
VELOCITY SURVEY
HDT - DIP METER

Two sidewall core guns were run.

Gun No. 2 - 51 shots with 100% recovery
Gun No. 3 - 30 shots with 100% recovery

A total of 9 RFT and 2 FIT samples were taken.

Oil was recovered from RFT No. 15
RFT No. 16
RFT No. 17

With an API gravity ranging from 49^{o} to 51^{o} API at 60^{o}F.

Gas was recovered from RFT No. 17 producing gas readings of C_1 (Methane) to C_5 (Penthane) on the gas chromatograph.

Drilling was then continued using a HTC J22 insert bit to 2071 metres with a very erratic rate of penetration ranging from 3.5m/hour to 28m/hour. The average rate being 13m/hour.

At 2071 metres the bit was changed to a new HTC Z22 insert bit after bottom hole cutting were circulated out. Drilling was resumed to 2252 metres where the bit which was then drilled to a total depth of 2304 metres.

From 2071 - 2304 metres the rate of penetration ranged from less then 1m/hour to 24m/hour with an average rate of 6.5m/hour.

The lithology being predominantly coarse to granular loose quartz interbedded with siltstone and mudstone at 2078 - 2090 metres, 2122 - 2127 metres, 2245 - 2260 metres and minor coal and conglomerates. Thin beds of conglomerates being responsible for the very slow rate of penetration of 1m/hour and less. Background gas from 1865 - 2304 metres ranged from 1-2 units with a maximum gas reading of 4 units at 2088 metres. Drilling breaks enclountered this interval were circulated out, no hydrocarbon shows were present in the drill cuttings. At 2304 metres a wiper trip was run and the hole conditioned to run the following wireline logs:

ISF/SONIC
ISF/BHC
MSFL
FDL
DIP METER
CST

The hole was then plugged back from 2304-1855 metres and a 244.45 mm production casing was set to 1679 metres with cement being tagged at 1650 metres.

SEAHORSE NO. 1 well reached a total depth of 2304 metres at 1625 hours on August 24 1978.

The relatively low gas readings together with the total absence of connection gas and the fact that very little hole problems were encountered during the drilling operation suggests that the entire well was drilled in an overbalanced condition.

CORE LABORATORIES EXTENDED SERVICE EQUIPMENT

A. MUDLOGGING

1 Hot Wire Gas Detector
1 Total FID Gas Chromatograph
1 FID Chromatograph
1 Carbon Dioxide Detector
1 Hydrogen Sulphide Detector
1 Cutting Gas Analyser
1 Shale Density Apparatus
1 Thermal Extractor (Steam Still)
1 U-V Light, Microscope and Other Geological Testing Equipment
6 Chart Recorders For All Drilling Parameters

B. CORE ANALYSING

1 Complete On-Site Core Analysis Equipment For Porosity, Permeability and Fluid Saturation Measurements.
1 Core Slabbing Saw

C. COMPUTER SYSTEM AND PERIPHERALS

2 Hewlett Packard 2100 Computers
2 Texas Instruments Keyboard-Send Receive Units
3 Computer Digital Displays
2 Hewlett Packard 7210A Plotters
4 Linc Tape Magnetic Recorders
1 Hewlett Packard HP65 Programmable Calculator

D. EXTERNAL SENSING APPARATUS INCLUDED

2 Mud Density Sensors
2 Mud Temperature Sensors
2 Mud Resistivity Sensors
1 Rotary Speed Sensor
1 Hookload Speed Sensor
1 Rotary Torque Sensor
1 Pump Pressure Sensor
1 Casing Pressure Sensor
1 Mud Flow Out Sensor
1 Gas Trap
1 Depth And Rate of Penetration Sensor
2 Pump Stroke Counters
3 Pit Level Sensors
1 Trip Tank Level Sensor
1 Six-Extension Intercom System

RIG DESCRIPTION

The Ocean Endeavour is a self-propelled octagonal shaped semi-submersible drilling rig, constructed for Ocean Drilling and Exploration Company by Transfield (WA) Pty. Ltd., Perth, Western Australia.

The unit is 320' long, 266' wide with 7,000 HP twin screw diesel electric propulsion. The hull consists of four parallel pontoons, each measuring 28' in diameter. Four 12" diameter and eight 24" diameter stabilising columns are connected to the four pontoons. The tops of the columns which support the main deck of the rig are 120' from the base of the pontoons. The unit has capabilities of drilling at 70' draft in water depths up to 1,000'. The Ocean Endeavour is designed to withstand waves up to 110' with 15 seconds periods, simultaneously with 3 knot current and 100 knot winds and still remain within the American Bureau of Shipping allowable stress levels.

RIG EQUIPMENT

1 Lee C. Moore 40' x 40' x 162' Cantilever Mast rated 1,400,000 API GNC.

1 Continental-Emsco C-3 Type 3 Drawworks grooved for 1.375" line, V-200 Parmac Hydromatic Brake, Emsco Catheads, Sandreel Assembly mounted on Drawworks, driven by three 1,000 HP DC Motors.

1 Continental-Emsco 37.5" Rotary Driven by 1,000 HP DC Motor with 2 speed transmission.

1 Continental-Emsco RA-60-6-1.375" Travelling Block, rated 650 ton.

1 Continental-Emsco 650 ton Swivel, L650.

1 Bryson-Jackson Hydrahook, rated 500 ton.

1 Lee C. Moore 6-60" Sheave Crown, 1-60" Fast Line Sheave.

1 Koomey Accumulator, 320 gallon, 3,000 psi W.P., with electric Master and Remote Panels.

1 18.75" 5,000 PSI Cameron BOP system with 600' 22" Vetco Marine Riser.

4 Riser Tensioners, 80,000 lbs. units.

1 Motion Compensator, Rucker 400,000 lbs.

2 Continental-Emsco FA-1300 Triplex Pumps, 6.5" X 12", driven by 1,300 HP DC Motor, each supercharged with a 5" x 6" Mission Centrifugal Pump.

1 Sub-Sea Television System.

2 Mission 6x 8R, H30 Centrifugal Mud Mix Pumps with 10.5" Impellers and 100 HP AC Motors.

3 Brandt double screen shale shakers.

10,000' 5" O.D. 19.5 lbs/ft., Grade E Drill Pipe.

5,000' 5" O.D. 19.5 lbs/ft., G-105 Drill Pipe.

30 8" O.D. Drill Collars.

24 6.5" O.D. Spiral Drill Collars.

2 Favco Cranes with 120' Booms, rated 40 tons at 30' radius and 23 tons at 90' radius.

1 Halliburton HT 400 Cement Unit, Pioneer T-16-4 Desilter, Pioneer T-10-6 Desander, PIT-O-Graph and Swaco Degasser.

8 Clarke Chapman 1 Drum Electric Anchor Windlasses, each with one 1,000 HP DC Motors, rated 440,000 lbs. pull.

8 30,000 lbs. LWT Anchors with 3,600' of 3" Steel Link Anchor Chain.

1 International Electric Corporation Offshore Technology Corporation, Adaptive Oceanography Data Reporting System for monitoring and recording, with Hole Position Indicator Recorder and Riser Angle Indicator Recorder.

STORAGE CAPACITY

Fuel	-	6,972 bbls.
Drill Water	-	14,320 bbls.
Potable Water	-	385 bbls.
Dry Mud	-	140 s. tons
Bulk Mud & Cement	-	9,600 cu. ft.
Liquid Mud	-	1,344 bbls.

DESCRIPTION OF LOGS

Core Laboratories Extended Service Package includes sensors, recorders and computer facilities useful in the prediction and measurement of abnormal formation pressures and in obtaining rapid, effective and safe drilling. In addition to plots of variables important for pressure detection and drilling optimisation there are available wireline log interpretation programs for the wellsite geologist, well bore hydraulics (synthesis and analysis), well kill, bit nozzle selection, swab and surge created by drill pipe movement, drill bit performance programmes for the wellsite drilling supervisors. As there are two computer systems on board, these programmes can be run while the main computer system is in the real-time drilling mode.

The E.S. Logs include the following:

E.S. Drill Log - Scale 1:5000

Information plotted on this log includes rate of penetration, 'd' exponent corrected for mud weights, total mud gas as measured by the hot wire detector, shale density of drilled cuttings, casing depth, bit runs, dates and other relevant drilling information. Both rate of penetration and total gas are plotted on a linear scale and shale density on a semi-log scale. The 'd' exponent is the primary overpressure detection plot. Corrected 'd' exponent, 'dcs' is rate of penetration normalised for rotary speed, weight on bit per inch of diameter and mud weight. The modification of 'dcs' was first implemented by Rhem and McClendon, to compensate for increases in mud weight. This particular procedure involves multiplying the standard 'd' exponent value by the inverse ratio of the mud weight increase. A multiplier of nine (9) was originally used for convenience to return the

magnitude of the 'dcs' to a comparable value of its uncorrected state. In Core Lab's real-time drilling programmes a multiplier of ten (10) is used. An overlay is used on the 'dcs' to give a quantitative measurement of formation pore pressure. This method of pore pressure prediction is very accurate for homogenous shales but where the sandstone/siltstone ratio varies a great deal, inaccuracies may occur, consequently all other variables are considered in assigning a value to pore pressure.

E.S. Temperature Log

The three variables on the Core Laboratories E.S. temperature log are:-

1. Temperature differential between suction and flowline drilling fluids, is on the left of the E.S. log.
2. Flowline temperature is the middle plot.
3. The end to end normalised flowline temperature is on the right of the log.

The temperature differential plot or delta T plot emphasizes changes in flowline temperature caused by surface effects such as mud addition or cooling during trips. Accompanying the plot are notations identifying the causes for temperature irregularities. The flowline temperature plot illustrates the change in flowline temperature during a bit run. Each bit run is labelled and the temperatures are logged to correspond to mud circulated from the bottom as the foot was cut. There are also notations to explain accountable variations. The end to end normalised flowline temperature plot is the principle interpretive plot. The information from the other two plots are taken into account, normalised and plotted as one continuous bit run. The flowline temperature is normalised for an annular velocity of 100 ft./

minute and a hole of constant diameter. There is also a compensation for specific changes in temperature of the drilling fluid. This factor is obtained by the implications of changes in surface dissipation of heat. For example, if the flowline mud temperature at the surface is reduced by an established 30^{o}F. then chemicals are added to the mud system, the temperature of the same quantity of mud is reduced only 15^{o}F. for the same initial flowline temperature and the same pit volume then the specific heat has changed by a factor of two. In this manner the correction for chemicals added can be accounted for from bit run to bit run as long as initial conditions are kept constant, including the same initial suction pit temperature at the start of the bit run. Along with this plot are temperature from Schlumberger electric log runs, the time after circulation and depth. When two or more points are available, there is projected bottomhole temperature obtained using inverse time versus log temperature plots, when bottomhole temperature is the temperature corresponding to the logrithmic value at 1/Time = 0.

E.S. Pressure Log

Information plotted on this log includes formation pore pressure, E.C.D. (equivalent circulating density) and formation fracture pressure. The formation pore pressure plotted on this log is estimated from all formation pressure indicators. This is a conclusion log, therefore plotted data may well be modified on results from formation breakdown tests (PIT Tests), FIT's or DST's. The E.S. pressure log is the best estimation of downhole formation pressure conditions by the Core Lab wellsite E.S. Engineer, based upon all relevant well data processed throughout the well drilling operations. This log is plotted on linear graph paper at a vertical scale of 1:5,000 to coincide with all other E.S. logs.

E.S. Geoplot 1

This log includes rate of penetration, corrected 'd' exponent, drilling correlative porosity, formation fracture pressure, pore pressure and equivalent circulating density. It is plotted by the computer, either during the actual drilling of the hole or after TD, from the drilling data stored on magnetic tape. Once again this log is plotted on a 1:5,000 vertical scale. The horizontal dashed lines indicate the initation of a new bit run.

E.S. Geoplot 2

This log is similar to the Geoplot 1 in that it is computer plotted. However the following variables are plotted:- weight on bit, rotary speed, pump pressure and mud density in.

WELL LOG PARAMETERS

1. Grapholog

   Scale 1:500, containing drilling rate, hot wire total gas, chromatographic analysis, percentage strip lithology, lithology descriptions and remarks column, casing points, individual bit runs, dates, mud data, deviation surveys and core descriptions.

2. E.S. Drill Log

   Scale 1:5,000, containing rate of penetration, hot wire total gas, corrected 'd' exponent, shale density, bit runs, dates and casing points.

3. E.S. Temperature Log

Scale 1:5,000, containing flowline temperature, delta T:- flowline temperature minus suction temperature, end to end plot (dimensionless).

4. E.S. Pressure Log

Scale 1:5,000, containing formation pore pressure, equivalent circulating density, formation fracture gradient.

5. E.S. Geoplot 1

Scale 1:5,000, containing rate of penetration corrected 'd' exponent, drilling porosity, formation pore pressure, equivalent circulating density and formation fracture gradient.

6. E.S. Geoplot 2

Scale 1:5,000, containing weight on bit, rotary RPM, mud density in and pump pressure.

EXTENDED SERVICE PACKAGE

1. ONLINE REALTIME DRILLING PROGRAM

The following parameters are calculated and monitored whilst this program is in operation.

Depth
Corrected D exponent
Drilling porosity
Pore Pressure
Torque
Bit life
Pump pressure
Mud flowrate in
Mud density in
Equivalent circulating density
R.P.M. (Rotary)
Cumulative bit turns
Fracture gradient
Mud density out
Time of day
Maximum Hookload
Plastic viscosity
Yield point
Bit time for economics calculations
Off bottom indicator
Mud temperature in
Mud temperature out
Mud resistivity in
Mud resistivity out
Mud flowrate out
Rate of penetration
Current hookload
Hydrostatic pressure

Casing pressure
Annular pressure loss
Trip margin
Rock matrix strength
Rock strength
Cost per foot
Bit life remaining
Bearing life remaining
String pressure loss
Bit pressure loss
Jet velocity
Impact force at bit
Hydraulic horsepower
Pit level (suction)
Pit level (Return)
Gas (%)
Annular volume
Mud density at bit
Overall pump efficiency
Systems flow exponent
String volume
Mud flowrate in (At computed efficiency)
Slipset indicator

2. ONLINE PLOTTING CAPABILITY

Standard plot of: Depth, rate of penetration, corrected D exponent, drilling porosity, pore pressure, equivalent circulating density, fracture gradient, (plot scaled to suit requirements).

Option to plot any of the following parameters on a plot scaled to suit client requirements, whilst in the real-time mode.

Rate of penetration
Corrected d exponent
Drilling porosity
Pore pressure
Effective circulating density
Fracture gradient
PIT volume (Total)
Cost per unit depth
Pump pressure
Stroke rate pump one
Stroke rate pump two
Torque
R.P.M. (Rotary)
Mud in temperature
Mud out temperature
Mud density in
Mud density out
Weight on bit
Rock strength
Bit tooth height remaining
Bearing life remaining
String pressure loss
Bit pressure loss

Jet velocity
Impact force
Hydraulic horsepower
Rock matrix strength
Pressure loss in the annulus
Hookload
Casing pressure
Mud resistivity in
Mud resistivity out
Mud flowrate in
Mud flowrate out
Hydrostatic pressure
Equivalent circulating density - pore pressure (differential)
Fracture gradient - equivalent circulating density
Mud temperature out - mud temperature in
Mud density out - mud density in

3. ONLINE REALTIME COMPUTER PRINTOUTS (5 OPTIONS)

SELECTION 1: Depth, time, rate of penetration, weight on bit, rotary R.P.M., mud density in, equivalent circulation density, pore pressure, fracture gradient, drilling porosity, corrected d exponent.

SELECTION 2: Depth, time, computed rock strength, mud temperature in, mud temperature out, mud resistivity in, mud resistivity out, yeild point, plastic viscosity, mud volumn in, mud density in override value, number of records.

SELECTION 3: Depth, steps, cumulative hours, weight on bit, maximum hookload, current hookload, weight on bit override value, strokes per minute (1), strokes per minute (2), pump pressure, casing pressure, hydrostatic pressure.

SELECTION 4: Depth, rate of penetration, rotary, R.P.M. weight on bit, mud density in, strokes per minute (1), strokes per minute (2), mud volume in, pump pressure, plastic viscosity, yeild point, mud temperature in, mud temperature out, mud resistivity out.

SELECTION 5: (Wide carriage printer format): Depth, time, rate of penetration, weight on bit, rotary R.P.M., mud density in, mud density out, equivalent circulating density, mud temperature in, mud temperature out, pore pressure, fracture gradient, drilling porosity, corrected d exponent, cumulative hours, pump stroke (1), pump stroke rate (2), mud volume in, pump pressure, casing pressure, weight on bit override, mud density out override, computed rock strength, gas.

Additional support programs are available for use by wellsite engineers, geologists and the E.S. personnel.

These include:
The following log analysis programs.

SHALY - Determination of porosity, volume of clays and saturations of fluids in the pore space and densities of the hydrocarbons.

RWASW - Calculation of porosity, fluid saturations formation factor and apparent fluid resistivity.

FCALC - Computation of formation factor from porosity.

RATIO - Water saturation as calculated by the ratio method.

SWCALC - Water saturation as calculated by the Archie formula.

CNLFDC - Porosity as determined from the CNL and FDC logs.

RWCALC	-	Calculation of formation water resistivity from RXO and RT values.
SPRW	-	Calculation of formation water resistivity, effective water resistivity, salinity, formation temperature from the S.P. log.
C PLOT	-	Program to cross plot resistivity and porosity data.
POROS	-	Calculation of porosity and formation factor from acoustic or FDC logs.
ND PLOT	-	The Neutron density cross plot program.
SD PLOT	-	The sonic density cross plot program.
DP PLOT	-	Program to calculate clay porosity values from sonic response and bulk density inputs.
S LOG A	-	A four part similar model interpretation
S LOG B	-	program designed to be utilized where the
S LOG C	-	rock matrix is composed primarily of one mineral though may be clean or shaly. Model allows data entry bore hole corrections and preliminary calculations cross plots. Interpretation and data listing.
CDM	-	Dip program for calculation of dip magnitude and Azimuth and the degree of orientation of the resistivity anisotrophy.
HDT	-	Program for calculation of the dip magnitude and Azimuth.

HYDRAULICS SUPPORT PROGRAMS

HYDRIL	-	Hole hydraulics program
OPTBIT	-	Bit hydraulics optimization program
SWAB	-	Swab and surge pressure calculations
JET	-	Jet selection program

SUPPLEMENTAL PROGRAMS

KICK	- Well kill program
REDUC	- Reduction of hydrostatic head by gas cut mud
COST	- Bit economics program with break even analysis
FIT	- General curve FIT program
LAG	- Time and stroke lag computation program
TRIP	- Trip monitor program

MUD DATA

PARAMETER		
Depth	.....	Metres
Mud Weight	.....	Pounds/Gallon
Funnel Viscosity	.....	A.P.I. Seconds
Plastic Viscosity	.....	Centipoise
Yield Point	.....	Pounds/100 Sq. Ft
Gel: Initial/10 Min.	.....	Pounds/100 Sq. Ft.
Filtrate	.....	CC
Cake Thickness	.....	32nd's of a inch
Salinity	.....	PPM
Solid/Sand/Oil	.....	Percentage Volume

MUD INFORMATION DATA SHEET

CORE LAB ESP

UNIT NO. 176 SHEET NO. 1

COMPANY	WELL	LOCATION
ESSO AUSTRALIA, LTD.	SEAHORSE # 1	GIPPSLAND BASIN

DEPTH	960	1393	1411	1429	1440	1478	1510
DATE	2/8/78	5/8/78	6/8/78	7/8/78	8/8/78	9/8/78	11/8/78
TIME	00:00	09:00	21:15	13:55	02:00	04:00	11:45
WEIGHT S.G.	1.08	1.21	1.21	1.21	1.21	1.23	1.23
FUNNEL VISCOSITY	33	41	40	40	40	49	42
PLASTIC VISCOSITY	5	10	10	12	11	13	14
YIELD POINT	10	15	13	14	13	13	15
GEL INITIAL/10 MIN	1/7	4/11	4/9	4/10	4/9	5/12	6/12
pH	7.5	10.2	10.0	10.2	10.5	10.5	10.5
FILTRATE	30+	8.0	8.2	7.6	6.2	6.2	6.3
CAKE	1	2	2	2	2	2	2
SALINITY Cl	18000	4200	4000	4000	4000	4000	4000
SOLIDS/SAND/OIL	6/tr/-	13/tr/-	12.5/tr/-	12/tr/-	12/tr/-	12.1/tr/tr	12.5/tr/tr

REMARKS: DRILLED SURFACE HOLE WITH SEA WATER SPOTTED WITH HIGH VISCOSITY PILLS AS REQUIRED.

DRILLED WITH SEA WATER GEL FROM 200 - 920 METRES.
CHANGE TO MUD SYSTEM AT 920 METRES.

DEPTH	1535	1611	1807	1865	1867	2082	2164
DATE	14/8/78	15/8/78	16/8/78	17/8/78	20/8/78	21/8/78	22/8/78
TIME	22:10	04:15	03:45	24:00	24:00	19.20	21.45
WEIGHT S.G.	1.18	1.17	1.17	1.17	1.17	1.17	1.17
FUNNEL VISCOSITY	40	39	44	43	42	44	42
PLASTIC VISCOSITY	11	12	12	9	12	12	10
YIELD POINT	13	14	13	13	13	12	13
GEL INITIAL/10 MIN	4/10	4/10	6/15	5/13	6/13	5/14	4/13
pH	10.0	10.0	10.5	10.5	10.3	10.7	10.4
FILTRATE	6.3	6.1	6.0	6.0	14.3	6.0	5.5
CAKE	2	2	2	2	2	2	2
SALINITY	4000	4000	4000	3600	3600	2300	2100
SOLIDS/SAND/OIL	10/tr/tr	11.5/tr/tr	10/tr/tr	10/tr/tr	11/tr/tr	10/tr/-	11/tr/-

REMARKS:

MUD TYPE - POLYSAL/SPERSENE

OIL and GAS DIVISION

CORE LAB ESP

MUD INFORMATION DATA SHEET

UNIT NO. 176 SHEET NO. 2

COMPANY	WELL	LOCATION
ESSO AUSTRALIA LTD.	SEAHORSE # 1	GIPPSLAND BASIN

DEPTH	2245	2304					
DATE	23/8/78	24/8/78					
TIME	21.00	18.15					
WEIGHT	1.17	1.17					
FUNNEL VISCOSITY	42	42					
PLASTIC VISCOSITY	11	10					
YIELD POINT	11	13					
GEL INITIAL/10 MIN	5/11	4/11					
pH	10.4	10.5					
FILTRATE	5.9	5.8					
CAKE	2	2					
SALINITY	2100	2100					
SOLIDS/SAND/OIL	11/tr/-	11/tr/-					

REMARKS:

DEPTH							
DATE							
TIME							
WEIGHT							
FUNNEL VISCOSITY							
PLASTIC VISCOSITY							
YIELD POINT							
GEL INITIAL/10 MIN							
pH							
FILTRATE							
CAKE							
SALINITY							
SOLIDS/SAND/OIL							

REMARKS:

CLE-2

COST PER METRE CHARTS

INTERVAL	.. ..	METRES
METERAGE	.. ..	METRES
BIT SIZE	.. ..	MILLIMETRES
JET SIZE	.. ..	MILLIMETRES
CONDITION	.. ..	TEETH/BEARING/GAUGE
COST	.. ..	DOLLARS PER METER (AUSTRALIAN)

HOURS AND BIT TURNS ARE THE ACTUAL HOURS AND TURNS ON BOTTOM.

COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 2 BIT NO. 2

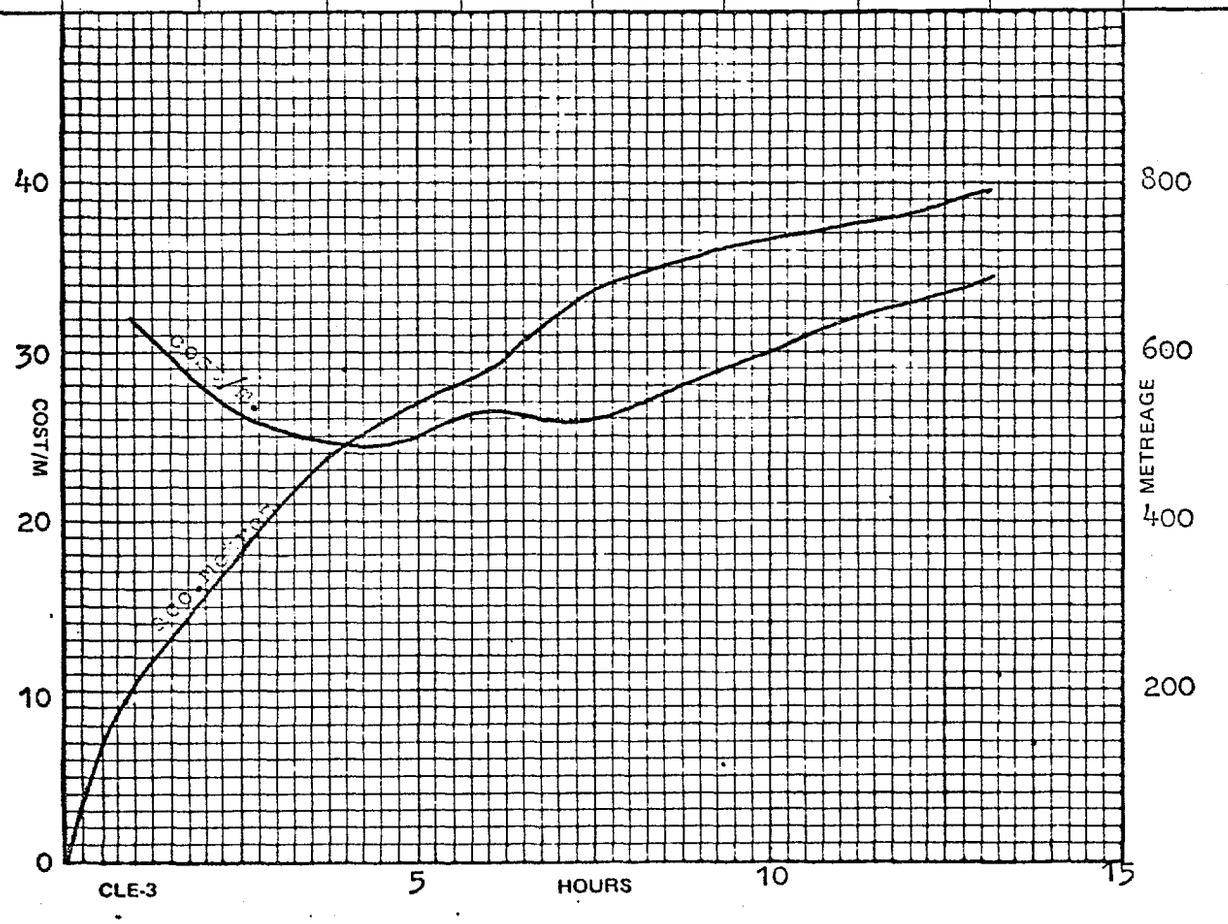
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	SEAHORSE # 1	GIPPSLAND BASIN	200 - 993 m.

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC OSC 3AJ	444.5 mm	793 m	108000
	COST	JETS	HOURS RUN	CONDITION
	$ 1582	3 x 15.9 mm	13.2	2.3.I.

RIG COST/HR $ 1700

TRIP TIME 2 hr.

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	7000	409	209	31.97					
2	15000	508	308	27.21					
3	24000	601	401	25.14					
4	32000	690	490	24.04					
5	40000	734	534	25.25					
6	48000	778	578	26.27					
7	57000	850	650	25.97					
8	65000	892	692	26.85					
9	73000	909	709	28.61					
10	82000	931	731	30.70					
11	90000	946	746	31.75					
12	98000	963	763	33.27					
13	107000	989	789	34.32					
13.2	108000	993	793	34.59					



CORE LAB ESP

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. 3

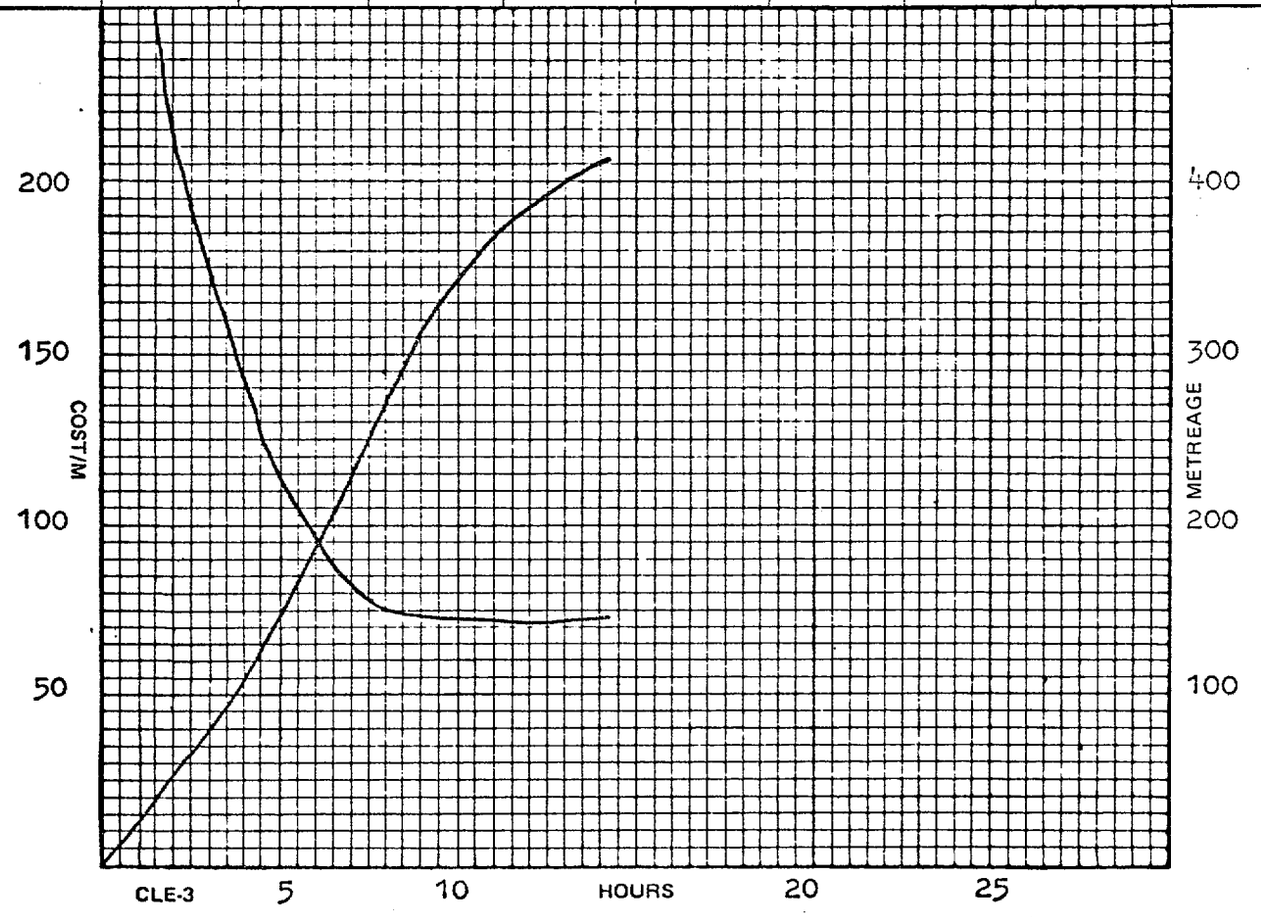
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	993 - 1411m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC X3A	311.15mm	418m	124000
	COST	JETS 1 x 12.9mm 2 x 14.29mm	HOURS RUN	CONDITION
	$744		14.4	2.3.I.

RIG COST/HR $1700

TRIP TIME 4

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	6000	1016	23	401					
2.3	15000	1047	54	212					
3	22000	1066	73	173					
4	30000	1093	100	143					
5.3	42000	1146	153	108					
6	50000	1180	187	95					
7.7	66000	1255	262	79					
8	69000	1273	280	75					
9	77000	1310	317	72					
10	85000	1333	340	72					
11	94000	1362	369	71					
12	103000	1380	387	72					
13	111000	1393	400	74					
14	120000	1406	413	76					
14.4	124000	1411	418	77					



CORE LAB ESP

COST PER METRE GRAPH

UNIT NO. 176 BIT NO CB 1

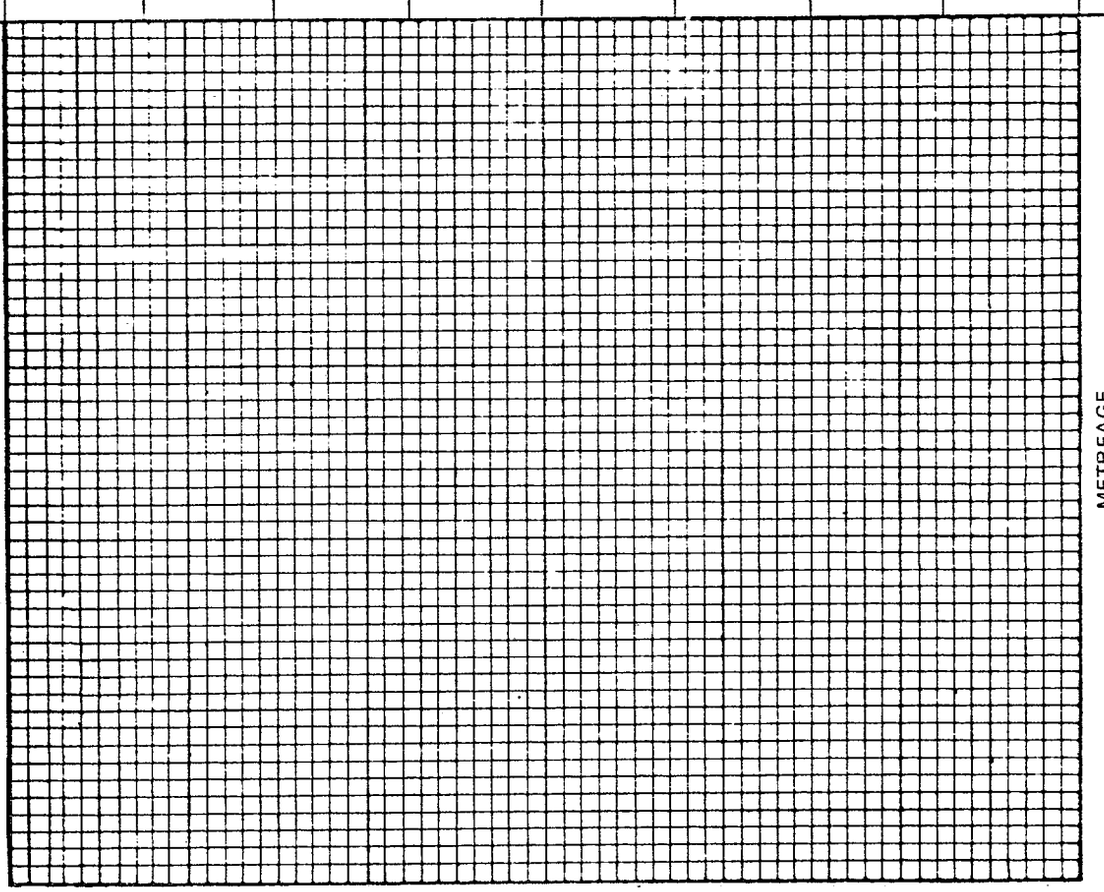
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1411 - 1424.8m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	C-22	215.14mm	13.8m	31000
	COST	JETS	HOURS RUN	CONDITION
			6.4	

RIG COST/HR _____ _____

TRIP TIME _____ _____

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M



CLE-3

CORE LAB ESP

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. CB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1424.8 - 1439m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	C-20	215.14mm	14.2m	10000
	COST	JETS	HOURS RUN	CONDITION
			2.4	

RIG COST / HR _____ _____

TRIP TIME _____ _____

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M

COST/M

METREAGE

HOURS

CLE-3

CORE LAB ESP

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. RRCB 2

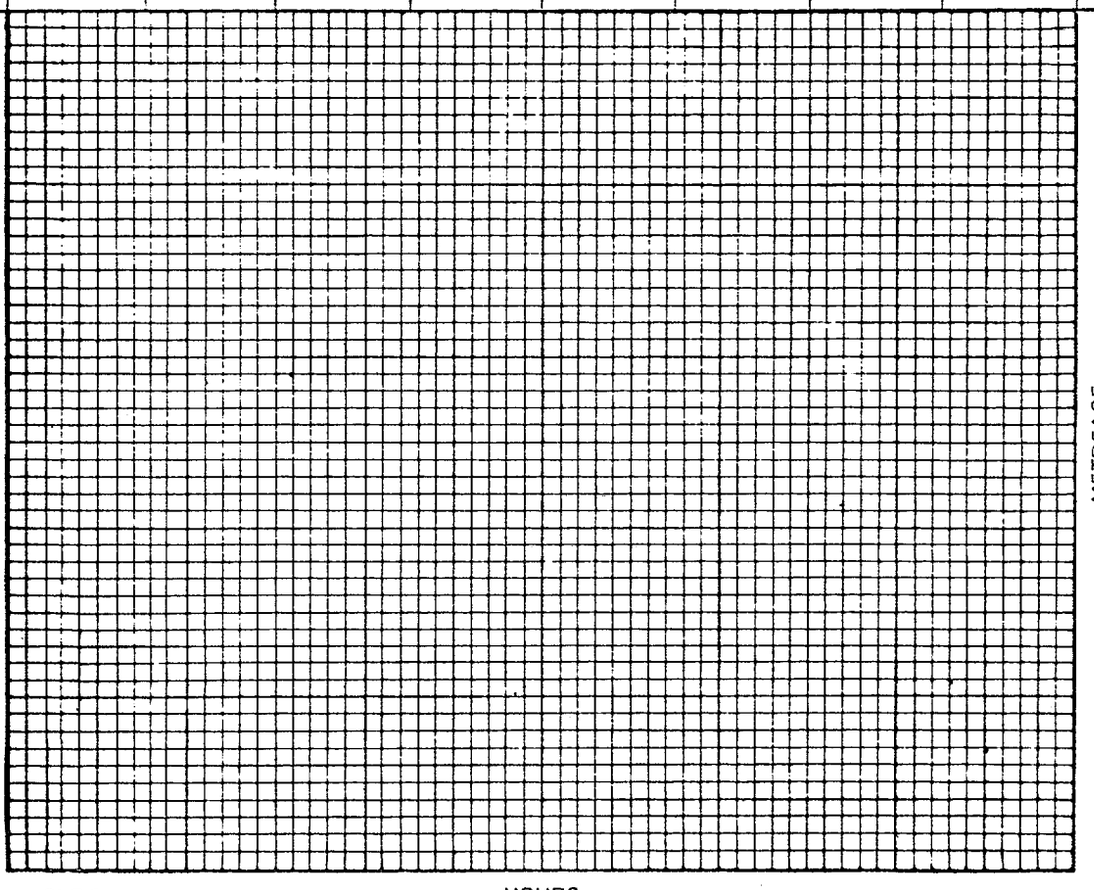
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1439 - 1453m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	C-20	215.14mm	14.0m	32000
	COST	JETS	HOURS RUN	CONDITION
			4.9	

RIG COST/HR _____ _____

TRIP TIME _____ _____

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M



CLE-3

CORE LAB **ESP**

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. RRCB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1453 - 1465.6

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	C-20	215.14mm	12.6m	
	COST	JETS	HOURS RUN	CONDITION
			2.2	

RIG COST/HR _____ _____

TRIP TIME _____ _____

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M

COST/M

METREAGE

HOURS

CLE-3

CORE LAB **ESP**

COST PER METRE GRAPH

UNIT NO. 476 BIT NO. RRCB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1465.6 - 1479.6m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	C-20	215.14mm	14m	20000
	COST	JETS	HOURS RUN	CONDITION
			3.4	

RIG COST/HR _____ _____

TRIP TIME _____ _____

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M

COST/M

METREAGE

HOURS

CLE-3

CORE LAB **ESP**

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. 4

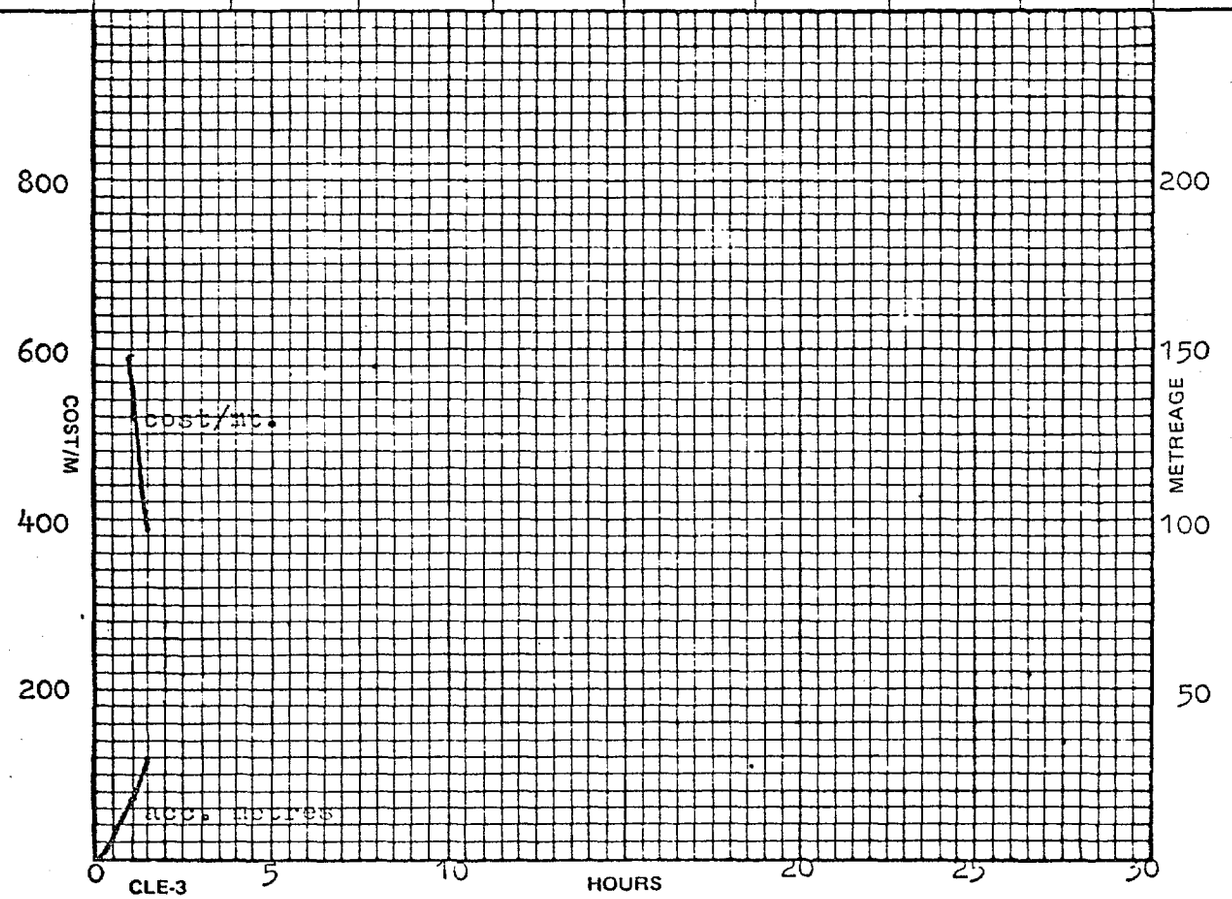
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA, LTD	SEAHORSE # 1	GIPPSLAND BASIN	1479.6 - 1510m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC XDG	311.15mm	30.4m	5500
	COST	JETS	HOURS RUN	CONDITION
	$ 744	2 x 1429mm 1 x 12.7mm	1.5	1/1/I

RIG COST/HR $ 1700

TRIP TIME 5

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	3700	1498	18.4	594					
1.5	5500	1510	30.4	388					



CLE-3

COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 176 BIT NO. 5

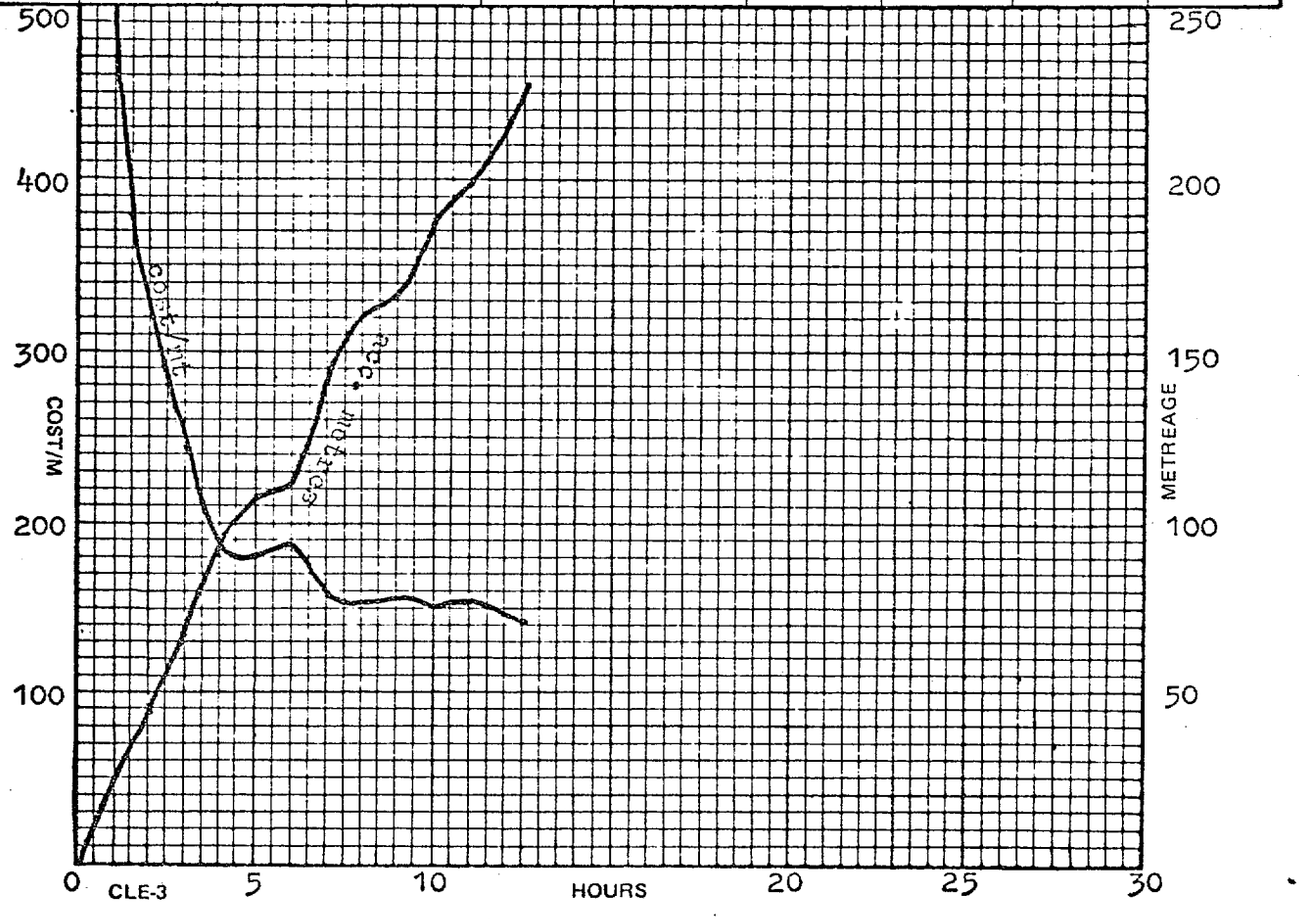
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA, LTD	SEAHORSE # 1	GIPPSLAND BASIN	1510 - 1737.6m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC XDG	311.15mm	227.6m	84000
	COST	JETS	HOURS RUN	CONDITION
	$ 744	3 x 12.7mm	12.6	6.5.¼

RIG COST/HR $ 1700

TRIP TIME 6

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	10000	1535	25	505					
2	16000	1554	44	326					
3	22000	1576	66	243					
4	29000	1607	97	183					
5	35000	1618	108	180					
6	41000	1622	112	188					
7	49000	1654	144	158					
8	55000	1671	161	152					
9	61000	1676	166	158					
10	68000	1694	184	151					
11	74000	1704	194	153					
12	30000	1724	214	146					
12.6	34000	1737.6	227.6	142					



CORE LAB **ESP**

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. 6

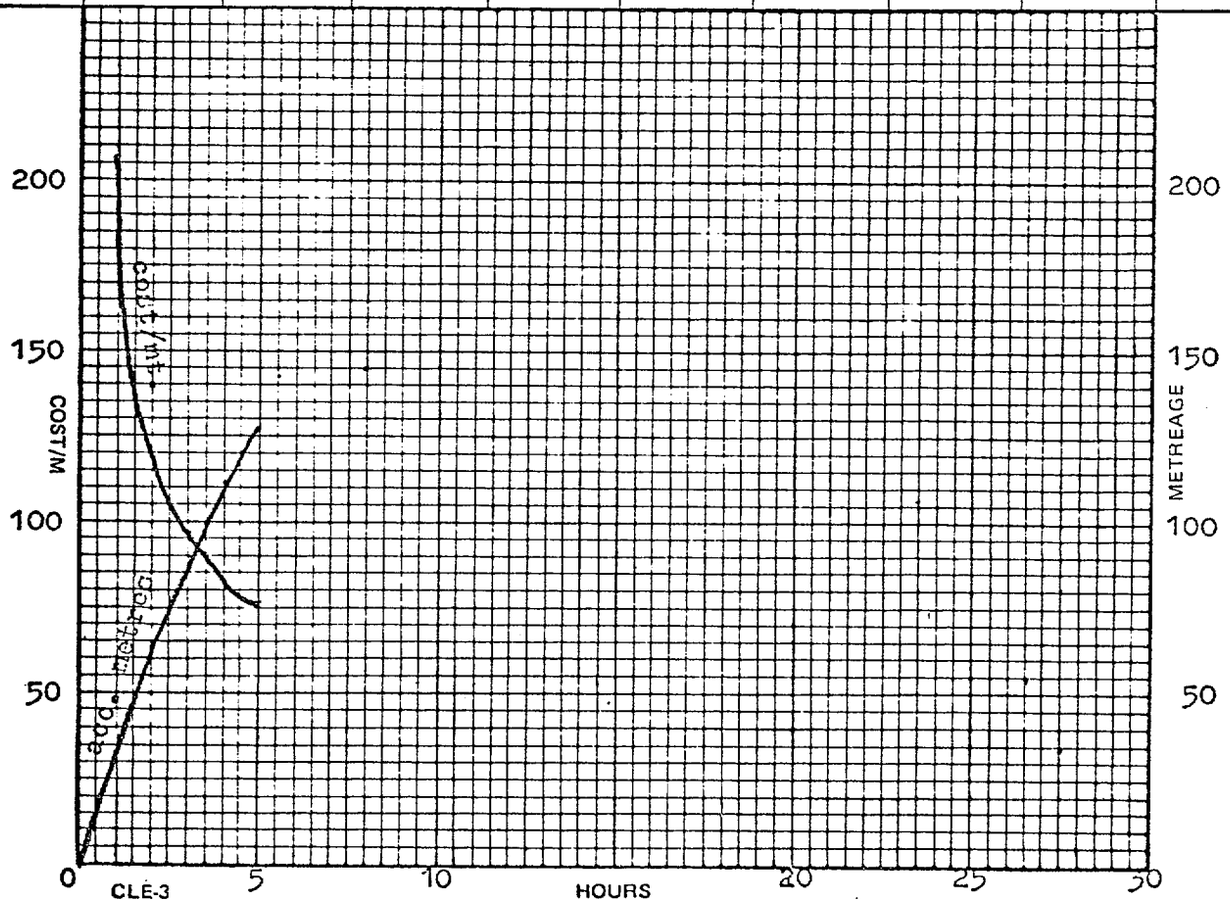
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	SEAHORSE # 1	GIPPSLAND BASIN .	1737.6 - 1865m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC XDG	311.15	127.4	34000
	COST	JETS	HOURS RUN	CONDITION
	$744	3 x 11.94	5.0	3.3.I

RIG COST/HR $1700

TRIP TIME 6

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	6000	1771	33.4	206.83					
2	13000	1802 .	64.4	118.82					
3	20000	1824	86.4	97.18					
4	27000	1849	111.4	82.05					
5	34000	1865	127.4	77.58					



CORE LAB **ESP**

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. 7

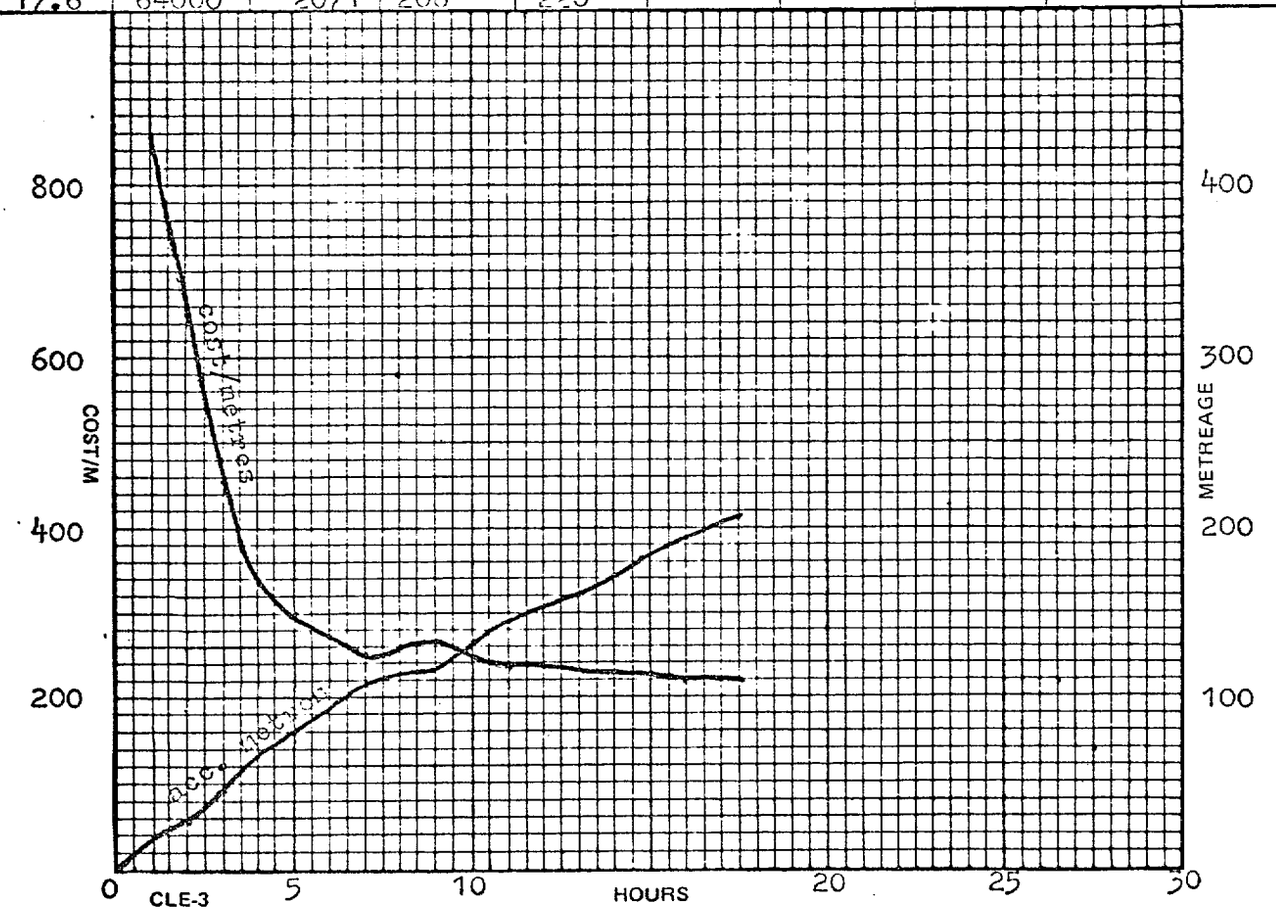
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA, LTD	SEAHORSE # 1	GIPPSLAND BASIN	1865 - 2071m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC J22	311.15mm	206m	64000
	COST	JETS	HOURS RUN	CONDITION
	$ 3581	3 x 11.11mm	17.6	2.4.I

RIG COST/HR $ 1700

TRIP TIME 7

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	3000	1885	20	859					
2	7000	1894	29	651					
3	9000	1910	45	457					
4	13000	1931	66	338					
5	17000	1945	80	300					
6	22000	1958	93	276					
7	26000	1973	108	254					
8	30000	1977	112	260					
9	34000	1982	117	263					
10	37000	1998	133	244					
11	41000	2009	144	237					
12	45000	2016	151	238					
13	48000	2025	160	235					
14	52000	2036	171	230					
15	55000	2049	184	223					
16	59000	2059	194	220					
17	63000	2067	202	220					
17.6	64000	2071	206	220					



COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 176 BIT NO. 8

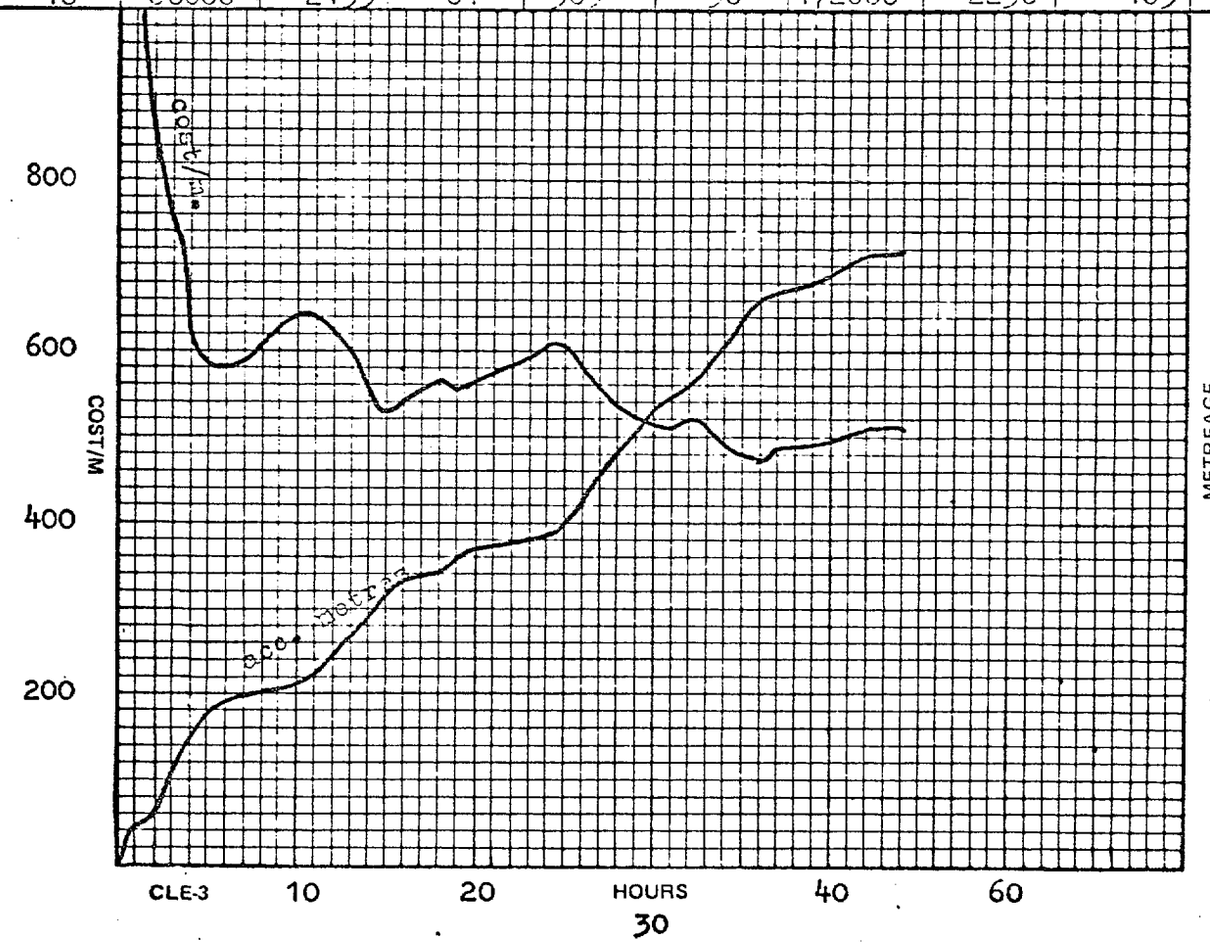
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD.	SEAHORSE #1	GIPPSLAND BASIN	2071 - 2251.8

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC J22	311.15 mm	180.8 m	203000
	COST	JETS	HOURS RUN	CONDITION
	$ 3581	3 x 11.11 mm	44.7 hr.	8.7.1/8u

RIG COST/HR $ 1700

TRIP TIME 8

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	4000	2081	10	1888	19	91000	2160	89	556
2	7000	2085	14	1470	20	96000	2162	91	562
3	11000	2100	29	768	21	100000	2163	92	575
4	14000	2109	38	631	22	105000	2164	93	587
5	18000	2115	44	584	23	110000	2165	94	599
6	22000	2118	47	583	24	115000	2166	95	610
7	25000	2120	49	594	25	120000	2170	99	603
8	29000	2121	50	616	26	125000	2179	108	568
9	33000	2123	52	625	27	129000	2186	115	549
10	37000	2124	53	645	28	134000	2192	121	535
11	40000	2127	56	641	29	139000	2197	126	528
12	45000	2132	61	616	30	144000	2203	132	517
13	48000	2137	66	595	31	149000	2207	136	514
14	52000	2146	75	546	32	153000	2209	138	519
15	56000	2152	81	527	33	158000	2218	147	499
16	59000	2153	82	541	34	163000	2225	154	487
17	62000	2154	83	555	35	168000	2230	159	482
18	86000	2155	84	569	36	172000	2236	165	475



CORE LAB ESP

COST PER METRE GRAPH

CONT.

UNIT NO. BIT NO. 8

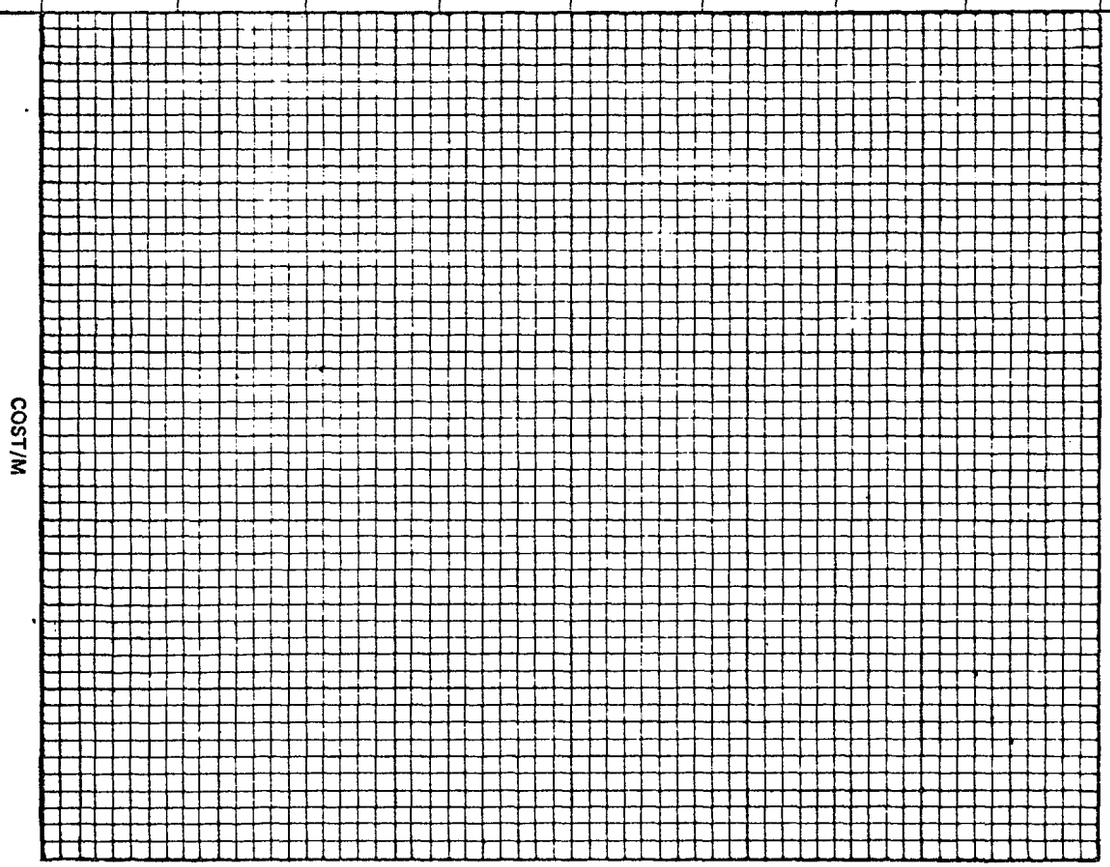
COMPANY	WELL	LOCATION	INTERVAL

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	COST	JETS	HOURS RUN	CONDITION

RIG COST/HR _____ _____

TRIP TIME _____ _____

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
37	177000	2237	166	482					
38	181000	2239	168	486					
39	185000	2241	170	491					
40	188000	2243	172	495					
41	190000	2245	174	499					
42	194000	2247	176	503					
43	198000	2248	177	510					
44	201000	2251	180	511					



CLE-3

COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 176 BIT NO. 9

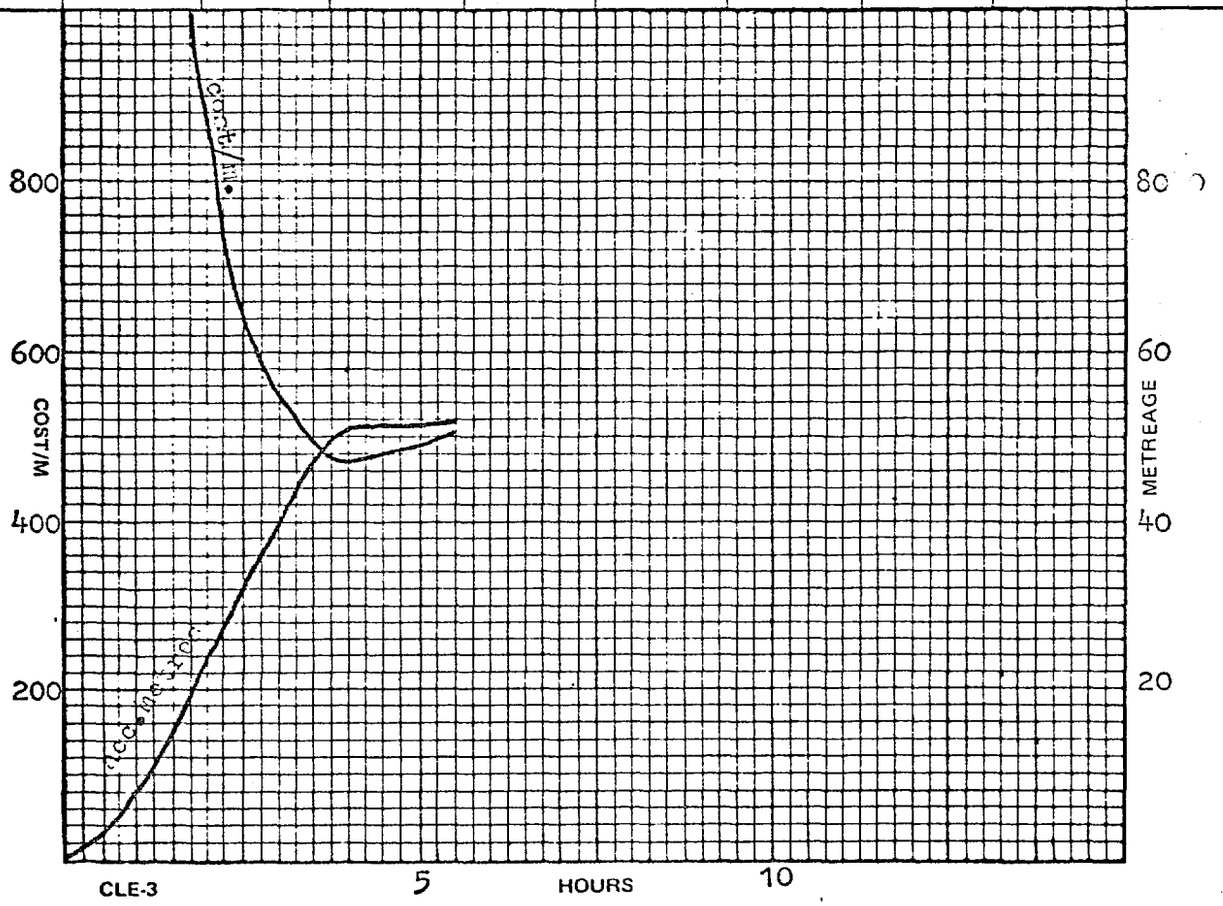
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD.	SEAHORSE #1	GIPPSLAND BASIN	2251.8-2304 m.

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC J22	311.15 mm	52.2 m.	20000
	COST	JETS	HOURS RUN	CONDITION
	$ 3581	3 x 11.11 mm.	5.5 hr	2.1.I

RIG COST/HR $ 1700

TRIP TIME 8 hr.

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	3000	2260	8.2	2303					
2	7000	2276	24.2	850					
3	11000	2293	41.2	541					
4	15000	2303	51.2	474					
5	20000	2304	52.2	508					



BIT DATA

VARIABLE	UNITS
BIT INTERVAL	METRES
SIZE	MILLIMETRES
JETS	MILLIMETRES
BIT RUN	METRES
CONDITION	TEETH/BEARING/GAUGE
OD'S, ID'S	MILLIMETRES
LENGTH	METRES
DEPTH	METRES
WOB	THOUSANDS OF POUNDS
PUMP RATE	STROKES PER MINUTE
FLOW RATE	GALLONS PER MINUTE
PUMP PRESSURE	POUNDS PER SQUARE INCH
MUD WEIGHT	S.G.
PV	CENTIPOISE
YP	POUNDS PER 100 SQ. FT.
TEMPERATURE	CENTIGRADE
PRESSURE DROPS (P)	POUNDS PER SQUARE INCH
JET VELOCITY	METRES PER SECOND
ANN. VELOCITIES	METRES PER MINUTE
ECD	S.G.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. FL 176 RUN NO. 2 BIT NO. 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	SEAHORSE # 1	GIPPSLAND BASIN	200 - 992.8 m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	OSC 3AJ	792.8 m	108000
	SIZE	JETS	HOURS RUN	CONDITION
	508 mm	3 x 15.9 mm	13.2	2.3.I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE			LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	145.56m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	508mm	485.75mm		188m	HUNG AT.
RISER		476.25mm		L=89.6m	

DEPTH	265	700	966			
WOB	27	59	61			
RPM	103	101	136			
PUMP RATE	115/98	103/104	110/109			
FLOWRATE	1046	1027	1076			
PUMP PRESS	1633	2080	2263			
MW	1.01	1.04	1.08			
PV	2	3	5			
YP	2	5	10			
SAND %	tr	tr	tr			
TEMP. °C	17	25	35			
Psurface	62	75	94			
Pstring	328	582	878			
Pbit	1012	980	1134			
Pannulus	1	6	10			
Ptotal	1403	1568	2116			
HHP	617	587	711			
IMPACTFORCE	1116	1640	1880			
JET VEL	110.9	109	114			
DC/OH	32	31	33			
DP/OH	28.8	27	29			
DP/CSG	22	23	24			
ECD	8.7	9.1	9.1			

REMARKS;

508mm casing set at 188m.
Drill cement and 508mm casing shoe.Drill to 920 metres with seawater.Change to seawater gel system 920-993 metres.

Circulate hole clean and condition mud prior to running Schlumberger E-logs.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 3 BIT NO. 3

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	993 - 1411m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	418m	124000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	1 x 12.7mm 2 x 14.3mm	14.4	2.3.I.

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	72.2mm	172.14m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.73mm	320.42mm		977.16m	HUNG AT.

DEPTH	1047	1147	1256	1383		
WOB	42	45	42	30		
RPM	140	160	154	150		
PUMP RATE	105/103	100/100	100/97	90/102		
FLOWRATE	1022	982	968	943		
PUMP PRESS	3060	3080	3111	3100		
MW S.G.	1.09	1.09	1.19	1.22		
PV	8	9	9	10		
YP	12	14	14	15		
SAND %	tr	tr	tr	tr		
TEMP. °C	48	50	40	45		
Psurface	95	90	94	94		
Pstring	995	1001	1102	1169		
Pbit	1787	1976	1744	1706		
Pannulus	16	18	19	22		
Ptotal	2893	3085	2959	2991		
HHP	1289	1132	1178	1122		
IMPACTFORCE	2480	2278	2406	2354		
JET VEL	156	150	148	144		
DC/OH	89	85	84	82		
DP/OH	61	59	58	56		
DP/CSG	57	54	53	53		
ECD	9.2	9.2	10.0	10.3		

REMARKS;

339.73mm casing set at 977.16 metres.
PIT performed below casing shoe. No breakdown with 1.76 SG equivalent mud weight.
Weighting up mud from 1.09 to 1.21SG from 1154m.
Flowline blocked at 1306m .
CO drill break at 1402m. POOH at 1411 metres to cut core.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 4 BIT NO. CB 1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1411 - 1424.8m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIS	C-22	13.8m	31000
	SIZE	JETS	HOURS RUN	CONDITION
	215.14mm		6.4	

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	134.82m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.73mm	320.42mm		977.16m	HUNG AT.

DEPTH						
WOB						
RPM						
PUMP RATE						
FLOWRATE						
PUMP PRESS						
MW						
PV						
YP						
SAND %						
TEMP.						
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD						

REMARKS;

CORE # 1 INT: 1411 - 1424.8m

CUT: 13.8m

REC: 7.46m (54%)

CB # 1 Previously used on Fortescue # 1 well.

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 176 RUN NO. 5 BIT NO CB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1424.8 - 1439m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIS	C-20	14.2m	10000
	SIZE	JETS	HOURS RUN	CONDITION
	215.14mm		2.4	

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	165.1mm	71.44	18.98m
	HW DRILL COLLARS	203.2mm	76.2mm	134.89m

CASING & LINER	OD	ID	GRADE	SET AT	
					HUNG AT.

DEPTH						
WOB						
RPM						
PUMP RATE						
FLOWRATE						
PUMP PRESS						
MW						
PV						
YP						
SAND %						
TEMP.						
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD						

REMARKS;

CORE # 2 INT: 1424.8 - 1439m
CUT: 14.2m
REC: 13.7m (96.5%)

CB # 2 Previously used to cut one core on Fortescue # 1 well.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 6 BIT NO. RRCB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1439 - 1453m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIS	C-20	14.0m	32000
	SIZE	JETS	HOURS RUN	CONDITION
			4.9	

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	165.1mm	71.49mm	172.68m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
					HUNG AT.

DEPTH						
WOB						
RPM						
PUMP RATE						
FLOWRATE						
PUMP PRESS						
MW						
PV						
YP						
SAND %						
TEMP.						
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD						

REMARKS;

CORE # 3 INT: 1439 - 1453m
CUT: 14m
REC: 8m (57%)

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 176 RUN NO. 7 BIT NO. RRCB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1453 1465.6m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIS	C-20	12.6m	
	SIZE	JETS	HOURS RUN	CONDITION
			2.2m	

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	165.1mm	71.49mm	56.34m
	HW DRILL COLLARS	203.2mm	76.2mm	134.92m

CASING & LINER	OD	ID	GRADE	SET AT	
					HUNG AT.

DEPTH						
WOB						
RPM						
PUMP RATE						
FLOWRATE						
PUMP PRESS						
MW						
PV						
YP						
SAND %						
TEMP.						
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD						

REMARKS;

CORE # 4 INT: 1453 - 1465.6m

CUT: 12.6m

REC: 6.8m (54%)

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 8 BIT NO. RRCB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1465.6 - 1479.6m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIS	C-20	14m	20000
	SIZE	JETS	HOURS RUN	CONDITION
			3.4	

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	165.1mm	71.49mm	56.34m
	HW DRILL COLLARS	203.2mm	76.2mm	134.92m

CASING & LINER	OD	ID	GRADE	SET AT	
					HUNG AT.

DEPTH						
WOB						
RPM						
PUMP RATE						
FLOWRATE						
PUMP PRESS						
MW						
PV						
YP						
SAND %						
TEMP.						
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD						

REMARKS;

CORE # 5 INT: 1465.6 - 1479.6m

CUT: 14m

REC: 11m (78.5%)

CLE-12

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 9 BIT NO. 4

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	SEAHORSE # 1	GIPPSLAND BASIN	1479.6 - 1510m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XDG	30.4m	6000
	SIZE	JETS 2 x 14.29mm 1 x 12.7mm	HOURS RUN	CONDITION
	311.15mm		1	1.1.I.

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	72.2mm	172.14m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.73mm	320.42mm		977m	HUNG AT.

DEPTH						
WOB						
RPM						
PUMP RATE						
FLOWRATE						
PUMP PRESS						
MW						
PV						
YP						
SAND %						
TEMP.						
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD						

REMARKS;

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 10 BIT NO. 5

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	SEAHORSE # 1	GIPPSLAND BASIN	1510 - 1737.6m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XDG	227.6m	84000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3 x 12.7mm	12.6	6/5/1/4"

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	127.0mm	108.61mm	
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	170.12m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.73mm	320.42mm		977.16m	
RISER		476.25mm		L=89.6m	

DEPTH	1534	1600	1696			
WOB	30000	55000	50000			
RPM	158	100	102			
PUMP RATE	70/75	81/83	74/84			
FLOWRATE	752	827	776			
PUMP PRESS	2243	2772	2415			
MW S.G.	1.18	1.18	1.16			
PV	10	10	10			
YP	13	14	14			
SAND %	tr	tr	tr			
TEMP. °C	32	39	48			
Psurface	55	69	63			
Pstring	731	939	906			
Pbit	1325	1695	1600			
Pannulus	21	21	21			
Ptotal	2132	2724	2590			
HHP	550	817	724			
IMPACTFORCE	1404	1843	1672			
JET VEL	118	137	128			
DC/OH	62	70	67			
DP/OH	43	48	45			
DP/CSG	40	45	43			
ECD	9.9	9.9	9.8			

REMARKS;

DRILLING BREAK CIRCULATED OUT @ 1513.6 - 1515m
ROP INCREASED FROM 11m/hr TO 58m/hr.
NO SHOW.

DRILLING BREAK CIRCULATED OUT @ 1544 - 1546.2m
ROP INCREASED FROM 9.6m/hr TO 81m/hr.
NO SHOW.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 11 BIT NO. 6

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA, LTD	SEAHORSE # 1	GIPPSLAND BASIN	1737.6 - 1865m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XDG	127.4m	34000
	SIZE	**JETS**	**HOURS RUN**	**CONDITION**
	311.15mm	3 x 11.94mm	5.0	3.3.I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	170.12m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm		977.16m	HUNG AT.
RISER		476.25mm		L=89.6m	

DEPTH	1770					
WOB	45000					
RPM	110					
PUMP RATE	76/77					
FLOWRATE	751					
PUMP PRESS	2827					
MW S.G.	1.18					
PV	11					
YP	14					
SAND %	tr					
TEMP. °C	43					
Psurface	61					
Pstring	898					
Pbit	1868					
Pannulus	24					
Ptotal	2851					
HHP	818					
IMPACTFORCE	1748					
JET VEL	141					
DC/OH	65					
DP/OH	44					
DP/CSG	42					
ECD	9.9					

REMARKS;

RUN WIPER TRIP AND CONDITION HOLE PRIOR TO E - LOGS

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 176 RUN NO. 12 BIT NO. 7

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD.	SEAHORSE #1	GIPPSLAND BASIN	1865 - 2071 m.

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	J22	206 m.	64000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3 x 11.11 mm	17.6	2.4.I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0 mm	108.61 mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2 mm	76.2 mm	173 m.
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.75mm	320.42mm		977.16 m.	
RISER		476.25mm		L= 89.6 m.	

DEPTH	1900	1950	2050			
WOB	40	45	49			
RPM	56	60	57			
PUMP RATE	71/67	72/71	67/74			
FLOWRATE	682	700	694			
PUMP PRESS	2937	2991	3061			
MW S.G	1.17	1.17	1.17			
PV	12	12	12			
YP	13	13	13			
SAND %	tr	tr	tr			
TEMP. °C	50	51	54			
Psurface	51	50	53			
Pstring	809	799	878			
Pbit	2051	2111	2111			
Pannulus	23	24	24			
Ptotal	2933	2982	3063			
HHP	817	853	853			
IMPACTFORCE	1686	1737	1737			
JET VEL	148	150	150			
DC/OH	59	60	60			
DP/OH	41	41	41			
DP/CSG	38	39	39			
ECD	9.8	9.7	9.8			

REMARKS;

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 13 BIT NO. 8

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	SEAHORSE #1	GIPPSLAND BASIN	2071 - 2252m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	J22	180.8m	203000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3x11.11mm	44.7	8.7.1/8u

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2 mm	174.61 m.
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.75 mm	320.42 mm		977.16 m.	
RISER		476.25 mm		L= 89.6m	

DEPTH	2100	2125	2175	2200	2240	
WOB	25	36	50	40	47	
RPM	80	80	80	80	65	
PUMP RATE	68/70	63/75	63/77	66/77	67/74	
FLOWRATE	677	677	688	745	694	
PUMP PRESS	2956	2954	2817	3127	2790	
MW S.G	1.17	1.17	1.17.	1.17	1.17	
PV	10	10	10	10	10	
YP	10	10	13	13	13	
SAND %	tr	tr	tr	tr	tr	
TEMP. °C	51	53	55	55	57	
Psurface	50	50	47	51	46	
Pstring	841	843	819	905	815	
Pbit	2051	2035	1934	2142	1877	
Pannulus	17	17	26	27	26	
Ptotal	2958	2945	2825	3122	2763	
HHP	817	808	749	871	716	
IMPACTFORCE	1686	1672	1591	1759	1548	
JET VEL	148	147	144	151	141	
DC/OH	59	59	58	61	57	
DP/OH	41	41	40	42	39	
DP/CSG	38	38	37	39	36	
ECD	9.8	9.8	9.8	9.8	9.8	

REMARKS;

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 176 RUN NO. 14 BIT NO. 9

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	SEAHORSE #1	GIPPSLAND BASIN	2251.8 - 2304 m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	J22	52.2 m.	20000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15 mm	3 x 11.11 mm	5.5	2.1.I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	127.0 mm	108.61 mm	
	HW DRILL PIPE			
	DRILL COLLARS	203.2 mm	76.2 mm	174.61 m.
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75 mm	320.42 mm		977.16 m.	HUNG AT.
RISER		476.25 mm		L=89.6 m	

DEPTH	2300					
WOB	53					
RPM	80					
PUMP RATE	74/67					
FLOWRATE	689					
PUMP PRESS	2888					
MW	1.17					
PV	10					
YP	13					
SAND %	tr					
TEMP.	57					
Psurface	47					
Pstring	853					
Pbit	1934					
Pannulus	27					
Ptotal	2861					
HHP	749					
IMPACTFORCE	1591					
JET VEL	144					
DC/OH	58					
DP/OH	40					
DP/CSG	37					
ECD	9.8					

REMARKS;

T.D. at 2304 metres. (24/8/78)

CLE-12

DUMP A

DEPTH	-	Well depth in metres
TIME	-	Time of day in hours and minutes
ROP	-	Rate of penetration in metres per hour
WOB	-	Weight on bit in thousands of pounds
RPM	-	Rotary speed in revolution per minute
MID	-	Mud density in, in pounds per gallon
MDO	-	Mud density out, in pounds per gallon
ECD	-	Equivalent circulating density of the drilling fluid at the bottom of the hole. The sum of the hydrostatic pressure and the annular pressure drop, measured in pounds per gallon.
PP	-	Pore pressure gradient, in pounds per gallon, is the pressure exerted by the fluids in the pore space of the formation. It is determined by analysing deviations from the trend line of the drilling porosity.
FG	-	Fracture gradient is the pressure required to fracture the formation, expressed in pounds per gallon. It is derived from the pore pressure, calculated by the program using the Matthews and Kelly equation and an appropriate metric stress curve.
POR	-	Drilling porosity. This is the calculated porosity of the formation being drilled, derived from the general drilling equation. It is a function of the drilling variables: WOB, ROP, RPM, Toothwear, differential pressure and rock strength.
DEXP	-	Calculated 'd' exponent. The 'd' exponent is a function of WOB, ROP, RPM and hole size. A correction is made to the 'd' exponent for variations in mud density to give the corrected 'd' exponent.

BIT DIRECTORY TABLE

BIT #	FIRST RECORD	LAST RECORD	FIRST DEPTH	LAST DEPTH	INTERVAL	TERM CODE
2	64	730	209.0	992.0	783.0	1
3	731	1135	994.0	1403.0	409.0	1
101	1136	1159	1411.6	1424.8	13.2	1
102	1160	1176	1425.0	1438.0	13.0	1
103	1177	1196	1439.6	1453.0	13.4	1
104	1197	1215	1453.8	1465.0	11.2	1
105	1216	1232	1468.0	1480.0	12.0	1
4	1233	1251	1484.0	1509.0	25.0	1
5	1252	1467	1511.0	1737.0	226.0	1
6	1468	1584	1738.0	1865.0	127.0	1
7	1585	1773	1866.0	2071.0	205.0	1
8	1774	1997	2072.0	2251.6	179.6	1
9	2048	2047	2252.0	2303.0	51.0	1

NOTE: BIT # 101 = CB # 1 FOR CORE # 1

BIT # 102 = CB # 2 FOR CORE # 2

BIT # 103 = RRCB # 2 FOR CORE # 3

BIT # 104 = RRCB # 2 FOR CORE # 4

BIT # 105 = RRCB # 2 FOR CORE # 5

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
	64										
				NEW BIT ID:	2						
210.0	3: 5	282.9	26	121	8.4	8.5	8.5	8.60	10.8	30.5	.60
212.0	3: 5	344.0	20	136	8.4	8.5	8.6	8.60	10.8	40.3	.54
214.0	3: 6	316.6	23	140	8.4	8.5	8.6	8.60	10.8	35.0	.63
218.0	3:13	125.3	24	138	8.4	8.5	8.8	8.60	10.9	28.6	.83
220.0	3:13	336.3	24	114	8.4	8.5	8.8	8.60	10.9	43.8	.51
222.0	3:14	349.2	24	111	8.4	8.5	8.9	8.60	10.9	45.7	.49
224.0	3:14	298.0	24	113	8.4	8.5	8.9	8.60	10.9	43.6	.54
226.0	3:15	207.2	24	119	8.4	8.5	8.9	8.60	10.9	34.8	.73
228.0	3:26	155.7	24	117	8.4	8.5	8.7	8.60	10.9	28.5	.78
230.0	3:26	306.4	24	119	8.4	8.5	8.5	8.60	10.9	32.4	.61
	87										
232.0	3:27	369.2	24	121	8.4	8.5	8.6	8.60	11.0	37.4	.53
234.0	3:27	367.3	24	121	8.4	8.5	8.6	8.60	11.0	39.0	.52
238.0	3:34	592.6	24	120	8.4	8.5	8.8	8.60	11.0	49.5	.36
240.0	3:34	357.8	23	119	8.4	8.5	8.8	8.60	11.0	45.5	.49
242.0	3:34	382.2	22	122	8.4	8.5	8.9	8.60	11.0	48.6	.47
244.0	3:35	155.7	24	129	8.4	8.5	8.9	8.60	11.0	35.5	.75
248.0	3:46	281.5	24	125	8.4	8.5	8.7	8.60	11.1	37.0	.59
250.0	3:46	187.7	24	133	8.4	8.5	8.6	8.60	11.1	29.4	.73
252.0	3:47	166.9	23	135	8.4	8.5	8.7	8.60	11.1	29.9	.76
254.0	3:48	189.9	24	135	8.4	8.5	8.7	8.60	11.1	32.1	.73
	107										
258.0	3:56	283.1	24	105	8.4	8.5	8.8	8.60	11.1	41.1	.54
260.0	3:57	149.9	24	107	8.4	8.5	8.8	8.60	11.1	32.8	.72
262.0	3:58	226.3	24	102	8.4	8.5	8.7	8.60	11.1	38.2	.59
264.0	3:59	204.1	25	103	8.4	8.5	8.8	8.60	11.2	37.2	.62
266.0	4: 6	176.8	26	106	8.4	8.5	8.8	8.60	11.2	33.2	.69
268.0	4: 6	279.3	24	121	8.4	8.5	8.8	8.60	11.2	39.8	.58
270.0	4: 8	182.8	24	131	8.4	8.5	8.8	8.60	11.2	33.5	.72
272.0	4: 8	250.6	24	130	8.4	8.5	8.8	8.60	11.2	38.5	.63
274.0	4: 8	261.3	24	131	8.4	8.5	8.8	8.60	11.2	39.4	.61
276.0	4:15	240.0	24	135	8.5	8.6	8.8	8.60	11.2	38.0	.65
	126										
278.0	4:16	199.5	24	139	8.5	8.6	8.9	8.60	11.2	36.1	.71
280.0	4:17	205.2	24	137	8.5	8.6	8.9	8.60	11.2	37.4	.69
282.0	4:18	215.8	24	134	8.5	8.6	8.9	8.60	11.3	39.0	.66
284.0	4:19	144.2	24	136	8.5	8.6	8.9	8.60	11.3	34.2	.78
286.0	4:27	364.4	24	131	8.5	8.6	8.8	8.60	11.3	41.4	.56
288.0	4:27	168.3	22	140	8.5	8.6	8.8	8.60	11.3	36.2	.73
290.0	4:28	224.2	22	141	8.5	8.6	8.9	8.60	11.3	40.6	.66
292.0	4:28	303.0	24	138	8.5	8.6	8.9	8.60	11.3	43.1	.58
294.0	4:29	271.8	24	135	8.5	8.6	9.0	8.60	11.3	42.5	.60
296.0	4:37	260.0	29	134	8.5	8.6	8.8	8.60	11.3	34.7	.66
	146										
298.0	4:37	296.0	33	135	8.5	8.6	8.9	8.60	11.3	34.5	.63
300.0	4:38	264.0	31	136	8.5	8.6	8.9	8.60	11.4	36.1	.65
308.0	4:46	231.7	22	118	8.5	8.6	8.9	8.60	11.4	44.8	.60
310.0	4:47	315.4	33	143	8.5	8.6	8.9	8.60	11.4	36.6	.63
314.0	4:55	321.4	20	138	8.5	8.6	8.8	8.60	11.4	45.4	.55
316.0	4:55	327.2	30	130	8.5	8.6	8.8	8.60	11.4	38.0	.58
318.0	4:55	296.3	24	130	8.5	8.6	8.9	8.60	11.4	42.2	.58

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
159											
320.0	4:56	240.5	25	128	8.5	8.6	8.9	8.60	11.5	40.0	.63
322.0	4:56	211.8	36	126	8.5	8.6	8.9	8.60	11.5	31.0	.72
324.0	5: 4	232.9	27	132	8.5	8.6	8.8	8.60	11.5	35.9	.67
326.0	5: 4	268.9	34	136	8.5	8.6	8.9	8.60	11.5	33.4	.67
328.0	5: 5	305.1	27	137	8.5	8.6	8.9	8.60	11.5	40.7	.60
330.0	5: 5	286.7	33	136	8.5	8.6	8.9	8.60	11.5	36.1	.65
332.0	5: 6	214.3	30	137	8.5	8.6	9.0	8.60	11.5	35.6	.71
334.0	5:13	181.3	25	125	8.5	8.6	8.8	8.60	11.5	35.2	.71
336.0	5:14	132.9	26	123	8.5	8.6	8.8	8.60	11.5	31.3	.80
338.0	5:15	134.1	41	126	8.5	8.6	8.9	8.60	11.5	21.5	.90
178											
340.0	5:15	162.6	38	138	8.5	8.6	8.9	8.60	11.6	25.2	.85
344.0	5:23	199.3	28	140	8.5	8.6	8.8	8.60	11.6	33.8	.73
346.0	5:24	165.9	30	143	8.5	8.6	8.9	8.60	11.6	30.0	.80
348.0	5:24	226.9	33	140	8.5	8.7	8.9	8.60	11.6	32.4	.72
350.0	5:25	208.1	33	139	8.5	8.7	8.9	8.60	11.6	31.8	.74
352.0	5:33	233.0	37	138	8.5	8.7	8.8	8.60	11.6	29.6	.74
354.0	5:33	179.9	18	152	8.5	8.7	8.8	8.60	11.6	45.7	.70
356.0	5:34	137.9	35	140	8.5	8.7	8.8	8.60	11.6	24.7	.89
358.0	5:35	192.3	34	142	8.5	8.7	8.9	8.60	11.6	29.5	.79
360.0	5:36	150.5	33	143	8.5	8.7	8.9	8.60	11.6	27.3	.85
199											
362.0	5:45	96.7	22	144	8.5	8.7	8.7	8.60	11.7	29.9	.91
364.0	5:46	217.9	30	164	8.5	8.7	8.7	8.60	11.7	29.7	.78
366.0	5:47	159.0	30	167	8.5	8.7	8.7	8.60	11.7	24.5	.91
368.0	5:47	169.2	30	154	8.5	8.7	8.7	8.60	11.7	27.4	.83
372.0	5:54	192.8	34	153	8.5	8.7	8.8	8.60	11.7	27.8	.81
374.0	5:54	166.2	39	148	8.5	8.7	8.8	8.60	11.7	23.9	.88
376.0	5:55	174.1	28	152	8.5	8.7	8.9	8.60	11.7	33.6	.79
378.0	5:56	123.3	26	141	8.5	8.7	8.9	8.60	11.7	31.7	.85
380.0	5:57	182.4	35	147	8.5	8.7	9.0	8.60	11.7	29.0	.83
382.0	6: 3	145.0	24	146	8.5	8.7	8.9	8.60	11.7	34.8	.80
219											
384.0	6: 3	190.5	40	148	8.5	8.7	8.8	8.60	11.8	25.3	.84
386.0	6: 4	191.6	42	145	8.5	8.7	8.9	8.60	11.8	25.3	.83
388.0	6: 4	191.1	42	142	8.5	8.7	8.9	8.60	11.8	25.6	.83
390.0	6: 5	183.0	36	156	8.5	8.7	9.0	8.60	11.8	28.9	.84
392.0	6:11	118.2	33	147	8.5	8.7	8.8	8.60	11.8	23.0	.94
394.0	6:12	114.2	35	154	8.5	8.7	8.8	8.60	11.8	21.6	.98
396.0	6:12	160.2	40	146	8.5	8.7	8.9	8.60	11.8	23.7	.89
398.0	6:13	169.8	40	147	8.5	8.7	8.9	8.60	11.8	25.2	.86
400.0	6:20	148.5	42	146	8.5	8.7	8.8	8.60	11.8	21.2	.93
402.0	6:20	150.1	48	146	8.5	8.7	8.8	8.60	11.8	17.8	.96
239											
404.0	6:21	150.9	47	144	8.5	8.7	8.8	8.60	11.8	19.0	.95
406.0	6:22	133.5	35	150	8.5	8.7	8.9	8.60	11.8	24.8	.92
408.0	6:23	169.5	38	142	8.5	8.7	8.9	8.60	11.9	26.5	.85
410.0	6:28	153.2	37	137	8.5	8.7	8.9	8.60	11.9	25.6	.86
412.0	6:29	224.6	38	133	8.5	8.7	8.8	8.60	11.9	29.0	.75
414.0	6:30	134.0	21	138	8.5	8.7	8.8	8.60	11.9	36.9	.79
416.0	6:30	168.2	40	130	8.5	8.7	8.9	8.60	11.9	26.2	.83
418.0	6:31	231.3	41	135	8.5	8.7	8.9	8.60	11.9	30.1	.74
420.0	6:37	293.7	25	143	8.5	8.7	8.8	8.60	11.9	40.2	.63
422.0	6:37	217.7	41	134	8.5	8.7	8.8	8.60	11.9	26.9	.77
259											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
259											
424.0	6:38	138.2	27	138	8.5	8.7	8.8	8.60	11.9	32.0	.82
426.0	6:39	191.8	35	134	8.5	8.7	8.9	8.60	11.9	30.7	.77
428.0	6:39	169.2	37	134	8.5	8.7	8.9	8.60	11.9	28.6	.81
430.0	6:45	187.4	35	124	8.5	8.7	8.8	8.60	11.9	29.3	.76
432.0	6:46	206.4	35	128	8.5	8.7	8.8	8.60	11.9	30.5	.74
434.0	6:46	212.1	36	157	8.5	8.7	8.8	8.60	12.0	29.0	.80
436.0	6:48	113.2	24	165	8.5	8.7	8.9	8.60	12.0	31.2	.90
440.0	6:55	168.1	46	142	8.5	8.7	8.9	8.60	12.0	22.5	.89
442.0	6:56	111.8	47	144	8.5	8.7	8.8	8.60	12.0	15.9	1.05
444.0	6:57	130.5	47	145	8.5	8.7	8.8	8.60	12.0	18.1	1.00
280											
446.0	7: 3	102.3	46	130	8.5	8.7	8.8	8.60	12.0	16.0	1.04
448.0	7: 4	139.3	55	145	8.5	8.7	8.7	8.60	12.0	14.2	1.03
450.0	7: 5	108.8	40	149	8.5	8.7	8.8	8.60	12.0	18.9	1.02
452.0	7: 6	110.3	41	148	8.5	8.7	8.8	8.60	12.0	18.7	1.02
454.0	7: 7	103.5	34	151	8.5	8.7	8.9	8.60	12.0	22.6	.99
458.0	7:17	125.9	41	146	8.5	8.7	8.8	8.60	12.0	21.0	.97
460.0	7:18	110.7	44	141	8.5	8.7	8.8	8.60	12.1	17.8	1.02
462.0	7:19	85.0	42	142	8.5	8.7	8.8	8.60	12.1	15.5	1.10
468.0	7:28	83.5	42	138	8.5	8.7	8.8	8.60	12.1	15.2	1.10
470.0	7:29	102.4	42	141	8.5	8.7	8.8	8.60	12.1	17.8	1.04
301											
472.0	7:30	109.6	42	142	8.5	8.7	8.8	8.60	12.1	19.1	1.01
474.0	7:32	79.5	42	142	8.5	8.7	8.9	8.60	12.1	15.6	1.12
478.0	8: 4	71.6	34	138	8.5	8.7	8.7	8.60	12.1	17.7	1.09
480.0	8: 6	63.7	37	134	8.5	8.7	8.6	8.60	12.1	13.0	1.16
482.0	8: 8	56.4	33	136	8.5	8.7	8.6	8.60	12.1	14.2	1.17
484.0	8:10	62.7	38	135	8.5	8.7	8.7	8.60	12.1	13.0	1.17
486.0	8:12	62.7	40	134	8.5	8.7	8.7	8.60	12.2	12.5	1.18
488.0	8:59	48.9	36	136	8.5	8.7	8.5	8.60	12.2	9.9	1.24
500.0	9:13	47.3	28	117	8.5	8.7	8.8	8.60	12.2	20.1	1.10
502.0	9:15	50.7	24	129	8.5	8.7	8.8	8.60	12.2	24.2	1.06
322											
504.0	9:17	50.7	35	123	8.5	8.7	8.8	8.60	12.2	16.4	1.15
506.0	9:30	48.5	35	120	8.5	8.7	8.7	8.60	12.2	14.6	1.17
508.0	9:32	46.2	42	133	8.5	8.7	8.6	8.60	12.2	7.3	1.30
516.0	9:45	57.7	33	138	8.5	8.7	8.7	8.60	12.3	17.2	1.15
518.0	9:46	64.7	34	142	8.5	8.7	8.8	8.60	12.3	17.6	1.13
520.0	9:47	64.7	39	139	8.5	8.7	8.8	8.60	12.3	15.6	1.15
522.0	9:48	47.0	37	135	8.5	8.7	8.9	8.60	12.3	13.7	1.22
524.0	9:49	47.0	37	135	8.5	8.7	8.8	8.60	12.3	13.6	1.23
526.0	10: 2	47.5	38	150	8.5	8.7	8.7	8.60	12.3	10.6	1.28
528.0	10: 4	48.0	39	153	8.5	8.7	8.7	8.60	12.3	10.0	1.30
343											
530.0	10: 6	48.0	39	151	8.5	8.7	8.7	8.60	12.3	9.8	1.30
532.0	10: 7	40.0	41	154	8.5	8.7	8.7	8.60	12.3	6.5	1.38
534.0	10:10	40.0	41	155	8.5	8.7	8.7	8.60	12.3	7.0	1.37
536.0	10:18	41.0	41	143	8.5	8.7	8.7	8.60	12.3	8.6	1.33
538.0	10:26	42.0	40	160	8.5	8.7	8.7	8.60	12.3	7.5	1.36
540.0	10:30	42.0	40	144	8.5	8.7	8.6	8.60	12.3	8.0	1.34
544.0	10:35	48.0	41	139	8.5	8.7	8.7	8.60	12.4	10.2	1.28
546.0	10:37	47.0	41	150	8.5	8.7	8.7	8.60	12.4	9.7	1.31
548.0	10:39	46.0	40	150	8.5	8.7	8.7	8.60	12.4	10.0	1.31
554.0	10:48	56.0	40	147	8.5	8.7	8.7	8.60	12.4	13.1	1.23
361											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
361											
564.0	10:55	88.7	40	152	8.5	8.7	8.8	8.60	12.4	18.9	1.09
566.0	10:56	101.0	41	156	8.5	8.7	8.9	8.60	12.4	20.5	1.06
568.0	10:57	102.0	42	151	8.5	8.7	8.9	8.60	12.4	20.6	1.05
574.0	11: 4	132.7	41	155	8.5	8.7	8.9	8.60	12.5	24.4	.97
576.0	11: 5	145.0	41	161	8.5	8.7	8.9	8.60	12.5	25.8	.94
578.0	11: 6	142.0	41	164	8.5	8.7	9.0	8.60	12.5	25.5	.95
584.0	11:13	136.0	40	158	8.7	8.9	9.0	8.60	12.5	25.7	.95
592.0	11:20	118.0	39	140	8.7	8.9	9.0	8.60	12.5	25.9	.95
594.0	11:21	100.0	38	161	8.7	8.9	9.0	8.60	12.5	24.2	1.03
598.0	11:28	92.5	40	157	8.7	8.9	9.0	8.60	12.5	22.4	1.06
383											
612.0	11:40	140.0	38	138	8.7	8.9	9.0	8.60	12.6	29.5	.88
616.0	11:41	127.7	39	138	8.7	8.9	9.1	8.60	12.6	28.2	.91
618.0	11:41	103.0	41	137	8.7	8.9	9.1	8.60	12.6	25.1	.98
622.0	11:48	85.0	41	116	8.7	8.9	9.1	8.60	12.6	24.2	.99
624.0	11:48	76.0	41	104	8.7	8.9	9.1	8.60	12.6	24.2	.99
626.0	11:48	75.0	42	104	8.8	8.9	9.1	8.60	12.6	23.7	1.00
628.0	11:49	74.0	43	104	8.8	8.9	9.1	8.60	12.6	23.4	1.01
630.0	11:49	74.0	43	102	8.8	8.9	9.1	8.60	12.6	23.7	1.00
632.0	12: 0	52.0	41	114	8.8	8.9	9.3	8.60	12.6	21.9	1.11
634.0	12: 0	52.0	41	123	8.8	8.9	9.3	8.60	12.7	20.7	1.14
403											
636.0	12: 1	52.0	41	124	8.8	8.9	9.1	8.60	12.7	19.2	1.16
638.0	12: 2	52.0	41	124	8.8	8.9	9.1	8.60	12.7	18.6	1.17
650.0	12:27	47.0	41	117	8.8	8.9	9.6	8.60	12.7	23.9	1.12
652.0	12:28	42.0	40	108	8.8	8.9	9.0	8.60	12.7	17.2	1.19
654.0	12:29	42.0	40	105	8.8	8.9	9.0	8.60	12.7	17.7	1.18
656.0	12:30	41.5	41	110	8.8	8.9	9.0	8.60	12.7	17.0	1.20
658.0	12:31	41.0	42	114	8.8	8.9	9.1	8.60	12.7	16.3	1.22
660.0	12:44	41.0	42	114	8.8	8.9	9.0	8.60	12.7	15.5	1.23
662.0	12:45	47.0	39	108	8.8	8.9	9.0	8.60	12.7	19.3	1.15
664.0	12:46	47.0	39	108	8.8	8.9	9.0	8.60	12.7	19.6	1.14
421											
666.0	12:47	53.3	39	108	8.8	8.9	9.1	8.60	12.8	21.5	1.10
670.0	13:17	52.9	38	107	8.8	9.0	9.0	8.60	12.8	21.4	1.10
672.0	13:19	68.4	38	106	8.9	9.0	9.0	8.60	12.8	24.1	1.02
674.0	13:20	67.9	38	105	8.9	9.0	9.0	8.60	12.8	24.5	1.02
676.0	13:22	70.5	38	105	8.9	9.0	9.0	8.60	12.8	25.1	1.01
680.0	13:30	76.4	39	97	8.9	9.0	9.1	8.60	12.8	26.3	.97
682.0	13:32	65.6	40	98	8.9	9.0	9.1	8.60	12.8	24.9	1.01
684.0	13:34	53.1	40	96	8.9	9.0	9.1	8.60	12.8	23.1	1.07
686.0	13:37	57.1	40	118	8.9	9.0	9.2	8.60	12.8	22.5	1.10
688.0	13:45	52.5	40	112	8.9	9.0	9.1	8.60	12.8	21.8	1.12
442											
690.0	13:47	51.8	40	108	8.9	9.0	9.1	8.60	12.8	21.5	1.11
692.0	13:50	44.1	40	106	8.9	9.0	9.1	8.60	12.8	20.1	1.16
694.0	13:53	45.9	40	109	8.9	9.0	9.1	8.60	12.8	20.4	1.15
696.0	13:55	56.3	40	107	8.9	9.0	9.1	8.60	12.8	23.1	1.08
698.0	14: 4	46.2	40	99	8.9	9.0	9.1	8.60	12.8	21.3	1.12
700.0	14: 6	70.5	40	100	8.9	9.0	9.1	8.60	12.9	25.7	1.00
702.0	14: 8	56.9	40	103	8.9	9.0	9.1	8.60	12.9	23.6	1.07
704.0	14:10	55.1	40	102	8.9	9.1	9.1	8.60	12.9	23.6	1.07
706.0	14:14	35.1	40	102	8.9	9.1	9.1	8.60	12.9	18.3	1.22
708.0	14:23	45.4	40	99	8.9	9.1	9.1	8.60	12.9	20.8	1.14
462											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
462											
710.0	14:25	50.0	40	109	8.9	9.1	9.1	8.60	12.9	21.8	1.13
712.0	14:27	59.4	39	116	8.9	9.1	9.1	8.60	12.9	23.9	1.08
714.0	14:29	58.5	39	118	8.9	9.1	9.1	8.60	12.9	23.6	1.09
716.0	14:33	37.7	40	108	8.9	9.1	9.1	8.60	12.9	18.2	1.23
718.0	14:43	32.2	37	106	8.9	9.1	9.1	8.60	12.9	18.4	1.24
720.0	14:46	44.3	40	106	8.9	9.1	9.1	8.60	12.9	20.4	1.16
722.0	14:49	36.2	36	108	8.9	9.1	9.1	8.60	12.9	20.5	1.19
724.0	14:52	40.2	39	107	8.9	9.1	9.1	8.60	12.9	19.6	1.19
728.0	15: 5	45.0	38	105	8.9	9.1	9.1	8.60	12.9	21.5	1.14
730.0	15: 8	33.3	39	103	8.9	9.1	9.1	8.60	12.9	18.2	1.23
483											
732.0	15:13	28.4	38	104	8.9	9.1	9.1	8.60	12.9	16.4	1.28
734.0	15:17	24.6	39	106	8.9	9.1	9.1	8.60	13.0	14.5	1.33
736.0	15:27	30.0	41	99	8.9	9.1	9.0	8.60	13.0	16.0	1.27
738.0	15:31	30.9	43	100	8.9	9.1	9.0	8.60	13.0	15.4	1.28
740.0	15:36	25.1	43	101	8.9	9.1	9.0	8.60	13.0	13.1	1.35
742.0	15:41	24.4	43	100	8.9	9.1	9.0	8.60	13.0	12.6	1.37
744.0	15:46	26.5	35	122	8.9	9.1	9.0	8.60	13.0	16.9	1.31
746.0	15:55	40.7	43	132	8.9	9.1	9.0	8.60	13.0	16.6	1.29
748.0	15:57	47.7	39	137	8.9	9.1	9.0	8.60	13.0	20.1	1.21
750.0	16: 0	49.2	39	158	8.9	9.1	9.1	8.60	13.0	19.1	1.26
503											
752.0	16: 2	62.5	38	159	8.9	9.1	9.1	8.60	13.0	22.9	1.16
754.0	16: 4	60.0	39	158	8.9	9.1	9.1	8.60	13.0	22.0	1.18
756.0	16:13	41.1	38	156	8.9	9.1	9.1	8.60	13.0	18.2	1.29
758.0	16:15	51.3	38	159	8.9	9.1	9.1	8.60	13.0	20.8	1.22
760.0	16:18	42.9	38	161	8.9	9.1	9.1	8.60	13.0	19.1	1.28
762.0	16:20	54.4	39	158	8.9	9.1	9.1	8.60	13.0	21.5	1.20
764.0	16:29	48.0	33	146	8.9	9.1	9.1	8.60	13.0	23.3	1.18
766.0	16:30	68.2	39	156	8.9	9.1	9.1	8.60	13.0	23.4	1.14
768.0	16:32	61.8	38	160	8.9	9.1	9.1	8.60	13.0	22.9	1.16
770.0	16:34	78.1	39	161	8.9	9.1	9.1	8.60	13.1	24.9	1.10
523											
772.0	16:35	106.8	36	161	8.9	9.1	9.1	8.60	13.1	30.4	.99
776.0	16:43	103.5	36	149	8.9	9.1	9.1	8.60	13.1	30.3	.99
778.0	16:45	86.0	40	142	8.9	9.1	9.1	8.60	13.1	27.1	1.04
780.0	16:46	85.1	40	139	8.9	9.1	9.1	8.60	13.1	27.2	1.04
782.0	16:47	87.6	40	138	8.9	9.1	9.2	8.60	13.1	27.4	1.03
786.0	16:57	90.5	38	126	8.9	9.1	9.2	8.60	13.1	29.6	.97
788.0	16:58	71.2	45	168	8.9	9.1	9.2	8.60	13.1	21.8	1.18
790.0	17: 0	86.5	46	174	8.9	9.1	9.1	8.60	13.1	23.4	1.14
792.0	17: 1	106.7	47	175	8.9	9.1	9.2	8.60	13.1	25.1	1.08
794.0	17: 9	71.0	42	121	8.9	9.1	9.1	8.60	13.1	25.2	1.07
543											
796.0	17:11	75.1	39	158	8.9	9.1	9.1	8.60	13.1	25.6	1.10
798.0	17:12	74.2	46	158	8.9	9.1	9.1	8.60	13.1	22.2	1.16
800.0	17:13	105.2	46	158	8.9	9.1	9.1	8.60	13.1	26.0	1.05
804.0	17:20	207.4	38	150	8.9	9.1	9.1	8.60	13.1	36.1	.82
806.0	17:21	119.2	44	175	8.9	9.1	9.2	8.60	13.1	26.7	1.06
808.0	17:22	141.3	41	180	8.9	9.1	9.2	8.60	13.2	30.7	.97
810.0	17:23	84.0	41	182	8.9	9.1	9.2	8.60	13.2	25.3	1.13
812.0	17:24	202.0	42	179	8.9	9.1	9.2	8.60	13.2	34.2	.87
814.0	17:30	169.7	43	157	8.9	9.1	9.2	8.60	13.2	32.6	.90
816.0	17:31	87.0	45	183	8.9	9.1	9.2	8.60	13.2	24.5	1.14
564											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
564											
818.0	17:33	59.7	47	182	8.9	9.1	9.3	8.60	13.2	19.8	1.27
820.0	17:35	119.7	50	182	8.9	9.1	9.3	8.60	13.2	25.9	1.08
822.0	17:40	149.8	47	175	8.9	9.1	9.2	8.60	13.2	29.6	.97
824.0	17:41	86.6	45	165	8.9	9.1	9.4	8.60	13.2	26.4	1.09
828.0	17:45	240.0	45	188	8.9	9.1	9.3	8.60	13.2	33.2	.90
830.0	17:47	44.7	48	193	8.9	9.1	9.3	8.60	13.2	16.3	1.38
834.0	17:56	52.3	47	194	8.9	9.1	9.2	8.60	13.2	17.5	1.34
836.0	17:58	57.6	50	190	8.9	9.1	9.2	8.60	13.2	17.6	1.33
838.0	18: 1	45.9	50	164	8.9	9.1	9.2	8.60	13.2	15.5	1.37
840.0	18: 3	47.0	52	133	8.9	9.1	9.2	8.60	13.2	16.7	1.30
585											
842.0	18:13	39.3	53	146	8.9	9.1	9.1	8.60	13.2	13.8	1.39
844.0	18:17	32.0	49	127	8.9	9.1	9.1	8.60	13.2	14.1	1.38
846.0	18:20	36.6	48	163	8.9	9.1	9.1	8.60	13.3	13.8	1.43
848.0	18:24	32.0	50	166	8.9	9.1	9.1	8.60	13.3	11.7	1.49
850.0	18:27	36.4	49	166	8.9	9.1	9.1	8.60	13.3	13.2	1.44
852.0	18:37	27.8	49	103	8.9	9.1	9.0	8.60	13.3	13.6	1.38
854.0	18:40	47.3	52	168	8.9	9.1	9.1	8.60	13.3	14.8	1.39
856.0	18:42	53.5	49	174	8.9	9.1	9.1	8.60	13.3	17.3	1.33
858.0	18:45	42.9	46	177	8.9	9.1	9.1	8.60	13.3	16.0	1.38
860.0	18:46	76.3	46	178	8.9	9.1	9.1	8.60	13.3	22.0	1.21
605											
862.0	18:55	52.3	46	176	8.9	9.1	9.1	8.60	13.3	18.1	1.32
864.0	18:57	56.8	37	172	8.9	9.1	9.1	8.60	13.3	24.2	1.20
866.0	18:59	70.6	43	168	8.9	9.1	9.1	8.60	13.3	23.3	1.18
868.0	19: 0	120.4	40	170	8.9	9.1	9.1	8.60	13.3	30.9	.99
870.0	19: 6	145.2	31	154	8.9	9.1	9.1	8.60	13.3	38.3	.85
872.0	19: 7	149.4	42	163	8.9	9.1	9.1	8.60	13.3	32.3	.93
874.0	19:10	40.4	41	176	8.9	9.1	9.1	8.60	13.3	18.8	1.34
876.0	19:13	41.7	45	173	8.9	9.1	9.1	8.60	13.3	17.1	1.37
878.0	19:16	36.7	46	176	8.9	9.1	9.1	8.60	13.3	15.0	1.43
880.0	19:26	42.5	42	145	8.9	9.1	9.1	8.60	13.3	19.9	1.28
625											
882.0	19:31	25.9	39	179	8.9	9.1	9.1	8.60	13.3	13.8	1.50
884.0	19:34	33.4	41	176	8.9	9.1	9.1	8.60	13.3	16.1	1.42
886.0	19:38	31.9	42	178	8.9	9.1	9.1	8.60	13.4	15.2	1.44
888.0	19:48	24.4	42	169	8.9	9.1	9.0	8.60	13.4	12.7	1.51
890.0	19:54	22.7	49	170	8.9	9.1	9.0	8.60	13.4	8.8	1.61
892.0	19:58	27.4	48	163	8.9	9.1	9.0	8.60	13.4	11.2	1.53
894.0	20: 2	31.3	49	161	8.9	9.1	9.0	8.60	13.4	12.5	1.49
896.0	20: 6	30.2	49	163	8.9	9.1	9.0	8.60	13.4	11.9	1.51
898.0	20:20	16.9	49	143	8.9	9.1	9.0	8.60	13.4	6.8	1.65
900.0	20:27	18.2	48	148	8.9	9.1	9.0	8.60	13.4	7.7	1.63
645											
902.0	20:33	19.4	48	148	8.9	9.1	9.0	8.60	13.4	8.2	1.61
904.0	20:41	15.5	48	150	8.9	9.1	9.0	8.60	13.4	5.9	1.69
906.0	20:49	14.5	48	152	8.9	9.1	9.0	8.60	13.4	5.3	1.71
908.0	21: 6	12.0	48	135	8.9	9.1	9.0	8.60	13.4	3.8	1.74
910.0	21:14	17.6	49	143	8.9	9.1	9.0	8.60	13.4	7.0	1.65
912.0	21:18	27.4	50	140	8.9	9.1	9.0	8.60	13.4	11.7	1.50
914.0	21:23	23.8	49	142	8.9	9.1	9.0	8.60	13.4	10.3	1.55
916.0	21:28	23.2	50	142	8.9	9.1	9.0	8.60	13.4	10.0	1.56
922.0	21:51	25.3	49	144	8.9	9.1	9.0	8.60	13.4	11.5	1.52
924.0	21:56	23.9	51	151	8.9	9.1	9.0	8.60	13.4	9.9	1.57
665											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
665											
928.0	22:18	15.3	52	144	8.9	9.1	9.0	8.60	13.5	4.6	1.73
930.0	22:26	15.8	50	142	8.9	9.1	9.0	8.60	13.5	5.8	1.70
932.0	22:37	11.7	51	143	8.9	9.1	9.0	8.60	13.5	2.5	1.81
934.0	22:48	10.4	53	130	8.9	9.1	9.0	8.60	13.5	1.5	1.83
936.0	22:59	11.6	50	147	8.9	9.1	9.0	8.60	13.5	3.0	1.80
938.0	23:16	12.6	43	134	8.9	9.1	9.0	8.60	13.5	8.2	1.67
940.0	23:23	19.2	55	148	8.9	9.1	9.0	8.60	13.5	6.5	1.69
942.0	23:30	16.7	55	149	8.9	9.1	9.0	8.60	13.5	5.2	1.73
944.0	23:35	23.7	59	147	8.9	9.1	9.0	8.60	13.5	7.9	1.64
946.0	23:47	21.2	58	142	8.9	9.1	9.0	8.60	13.5	7.3	1.66
686											
948.0	23:53	20.1	47	151	8.9	9.1	9.0	8.60	13.5	10.3	1.59
950.0	23:58	23.7	48	150	8.9	9.1	9.0	8.60	13.5	11.6	1.55
952.0	0: 2	26.0	49	149	8.9	9.1	9.0	8.60	13.5	12.5	1.52
954.0	0: 8	20.4	49	152	8.9	9.1	9.0	8.60	13.5	10.0	1.61
956.0	0:21	16.3	57	138	8.9	9.1	9.0	8.60	13.5	5.3	1.73
958.0	0:30	14.0	57	130	8.9	9.1	9.0	8.60	13.5	4.1	1.76
960.0	0:37	15.9	57	130	8.9	9.1	9.0	8.60	13.5	5.3	1.72
962.0	0:46	14.5	57	148	8.9	9.1	9.0	8.60	13.5	3.7	1.79
964.0	0:54	15.3	58	149	9.0	9.1	9.0	8.60	13.5	4.0	1.79
966.0	1: 3	42.4	57	136	9.0	9.1	9.1	8.60	13.5	15.9	1.39
706											
968.0	1: 7	27.8	57	141	9.0	9.1	9.1	8.60	13.5	11.4	1.54
970.0	1:12	28.8	57	144	9.0	9.1	9.1	8.60	13.6	11.8	1.54
972.0	1:15	33.0	59	156	9.0	9.1	9.1	8.60	13.6	12.3	1.53
974.0	1:20	27.1	60	157	9.0	9.1	9.1	8.60	13.6	10.1	1.60
976.0	1:31	32.0	57	156	9.0	9.1	9.1	8.60	13.6	12.7	1.52
978.0	1:35	32.8	61	156	9.0	9.1	9.2	8.60	13.6	11.5	1.56
980.0	1:39	29.1	60	156	9.0	9.1	9.2	8.60	13.6	10.9	1.58
982.0	1:45	23.0	61	158	9.0	9.1	9.2	8.60	13.6	8.1	1.67
984.0	1:55	33.3	64	143	9.0	9.1	9.1	8.60	13.6	11.7	1.53
986.0	2: 0	23.7	60	146	9.0	9.1	9.1	8.60	13.6	9.3	1.63
725											
988.0	2: 5	23.6	63	147	9.0	9.1	9.1	8.60	13.6	8.5	1.65
990.0	2:14	14.2	63	153	9.0	9.1	9.1	8.60	13.6	3.0	1.84
NEW BIT ID: 3											
998.0	8: 1	11.5	32	94	9.0	8.9	9.1	8.60	13.5	9.7	1.60
1000.0	8: 7	19.9	33	94	9.0	8.9	9.1	8.60	13.5	14.3	1.45
1002.0	9:45	14.2	35	91	9.0	8.9	9.1	8.60	13.5	11.0	1.56
1004.0	9:49	29.7	42	103	9.0	8.9	9.1	8.60	13.5	13.5	1.44
1006.0	9:56	20.9	42	104	9.0	8.9	9.1	8.60	13.5	9.6	1.58
748											
1008.0	10: 1	23.0	43	103	9.0	8.9	9.2	8.60	13.5	10.7	1.54
1016.0	10:25	27.5	42	106	9.0	8.9	9.2	8.60	13.5	12.7	1.48
1018.0	10:29	25.8	45	111	9.0	8.9	9.1	8.60	13.5	10.8	1.54
1020.0	10:42	25.5	45	113	9.0	8.9	9.2	8.60	13.5	10.3	1.56
1022.0	10:47	22.7	44	115	9.1	9.0	9.2	8.60	13.5	10.2	1.58
1024.0	10:51	32.7	44	116	9.1	9.0	9.2	8.60	13.5	13.7	1.46
1026.0	10:55	29.1	42	117	9.1	9.0	9.3	8.60	13.5	13.6	1.48
1028.0	10:58	34.6	43	116	9.1	9.0	9.3	8.60	13.5	15.5	1.41
1030.0	11:14	29.7	43	110	9.1	9.0	9.3	8.60	13.5	14.3	1.45
1032.0	11:18	24.6	46	108	9.1	9.0	9.2	8.60	13.6	11.1	1.54
768											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
768											
1034.0	11:23	29.3	44	107	9.1	9.0	9.2	8.60	13.6	13.5	1.47
1036.0	11:27	25.9	43	108	9.1	9.0	9.3	8.60	13.6	12.9	1.50
1038.0	11:33	22.2	38	109	9.1	9.0	9.3	8.60	13.6	13.7	1.50
1040.0	11:47	19.5	45	112	9.1	9.1	9.2	8.60	13.6	8.2	1.63
1042.0	11:53	23.8	45	115	9.1	9.1	9.2	8.60	13.6	10.4	1.58
1044.0	11:58	23.8	47	116	9.1	9.1	9.3	8.60	13.6	9.9	1.60
1046.0	12: 2	28.2	39	148	9.1	9.1	9.3	8.60	13.6	14.0	1.52
1050.0	12:16	28.7	39	144	9.1	9.1	9.3	8.60	13.6	13.9	1.52
1052.0	12:20	30.7	41	142	9.1	9.2	9.3	8.60	13.6	13.9	1.51
1054.0	12:24	29.2	42	143	9.1	9.2	9.3	8.60	13.6	12.8	1.54
789											
1056.0	12:28	34.9	44	143	9.1	9.2	9.3	8.60	13.6	13.9	1.50
1058.0	12:41	23.8	46	138	9.1	9.2	9.3	8.60	13.6	9.4	1.65
1060.0	12:44	37.6	47	151	9.1	9.2	9.3	8.60	13.6	13.1	1.52
1062.0	12:46	46.7	48	167	9.1	9.2	9.3	8.60	13.6	14.3	1.50
1064.0	12:50	31.0	43	168	9.1	9.2	9.3	8.60	13.6	12.5	1.58
1066.0	12:57	17.7	44	170	9.2	9.2	9.3	8.60	13.6	6.6	1.78
1068.0	13:14	20.4	49	161	9.2	9.2	9.3	8.60	13.6	6.5	1.79
1070.0	13:22	16.3	43	157	9.2	9.2	9.3	8.60	13.6	6.4	1.78
1072.0	13:27	22.8	40	156	9.2	9.2	9.3	8.60	13.6	11.4	1.62
1074.0	13:34	17.9	39	157	9.2	9.2	9.3	8.60	13.6	9.8	1.68
809											
1076.0	13:38	38.2	42	157	9.2	9.2	9.4	8.60	13.6	14.5	1.52
1078.0	13:49	25.0	47	151	9.2	9.2	9.4	8.60	13.7	10.1	1.65
1080.0	13:51	47.7	45	152	9.2	9.2	9.4	8.60	13.7	17.5	1.41
1082.0	13:55	31.0	45	153	9.2	9.2	9.4	8.60	13.7	13.0	1.56
1084.0	13:58	43.6	46	153	9.2	9.2	9.4	8.60	13.7	16.5	1.45
1086.0	14: 1	39.3	45	153	9.2	9.2	9.4	8.60	13.7	16.0	1.47
1088.0	14: 9	47.2	43	145	9.2	9.2	9.4	8.60	13.7	18.7	1.38
1090.0	14:13	27.9	46	164	9.1	9.2	9.4	8.60	13.7	11.6	1.63
1092.0	14:16	43.5	46	164	9.1	9.2	9.3	8.60	13.7	15.7	1.48
1094.0	14:26	29.3	47	138	9.1	9.2	9.3	8.60	13.7	12.2	1.59
829											
1096.0	14:29	35.3	44	167	9.1	9.2	9.3	8.60	13.7	14.4	1.55
1098.0	14:33	29.9	40	168	9.1	9.2	9.3	8.60	13.7	14.7	1.55
1100.0	14:36	52.5	43	160	9.1	9.2	9.3	8.60	13.7	19.0	1.39
1102.0	14:38	54.9	45	154	9.1	9.2	9.3	8.60	13.7	19.1	1.37
1104.0	14:40	52.3	45	154	9.1	9.2	9.3	8.60	13.7	18.9	1.38
1106.0	14:48	50.4	45	148	9.1	9.1	9.3	8.60	13.7	18.7	1.38
1108.0	14:51	48.9	45	161	9.1	9.1	9.3	8.60	13.7	17.7	1.43
1110.0	14:54	40.6	45	161	9.1	9.1	9.3	8.60	13.7	16.1	1.49
1112.0	14:56	50.2	45	161	9.1	9.1	9.3	8.60	13.7	18.2	1.41
1114.0	14:59	47.1	45	161	9.1	9.1	9.3	8.60	13.7	17.5	1.44
849											
1116.0	15: 7	49.4	45	159	9.1	9.1	9.3	8.60	13.7	18.1	1.42
1118.0	15:10	47.2	45	168	9.1	9.1	9.3	8.60	13.7	17.4	1.45
1120.0	15:12	44.6	45	169	9.1	9.1	9.3	8.60	13.7	16.7	1.48
1122.0	15:16	38.0	45	169	9.1	9.1	9.3	8.60	13.7	15.2	1.53
1124.0	15:19	35.9	42	170	9.1	9.1	9.3	8.60	13.7	15.8	1.52
1126.0	15:26	53.9	44	161	9.1	9.1	9.3	8.60	13.8	19.2	1.40
1128.0	15:29	49.5	43	171	9.1	9.1	9.3	8.60	13.8	18.9	1.42
1130.0	15:31	48.7	43	166	9.1	9.1	9.3	8.60	13.8	18.6	1.42
1132.0	15:35	35.7	44	163	9.1	9.1	9.3	8.60	13.8	15.4	1.53
1134.0	15:38	32.2	45	162	9.1	9.1	9.3	8.60	13.8	14.3	1.57
869											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
869											
1136.0	15:48	36.1	45	160	9.1	9.1	9.3	8.60	13.8	15.4	1.53
1138.0	15:51	41.3	43	168	9.1	9.1	9.3	8.60	13.8	17.4	1.48
1140.0	15:55	30.1	44	165	9.1	9.1	9.3	8.60	13.8	13.4	1.61
1142.0	15:59	31.4	44	164	9.1	9.1	9.3	8.60	13.8	13.7	1.60
1144.0	16: 1	45.1	43	163	9.1	9.1	9.3	8.60	13.8	18.3	1.44
1146.0	16:10	45.2	47	156	9.1	9.1	9.3	8.60	13.8	17.0	1.46
1148.0	16:13	47.2	47	162	9.1	9.1	9.3	8.60	13.8	17.2	1.46
1150.0	16:16	35.0	41	163	9.1	9.1	9.3	8.60	13.8	16.6	1.51
1152.0	16:19	44.9	43	163	9.1	9.1	9.3	8.60	13.8	18.3	1.44
1154.0	16:28	43.5	43	156	9.1	9.1	9.3	8.60	13.8	18.5	1.44
889											
1156.0	16:31	37.1	45	167	9.2	9.1	9.3	8.60	13.8	15.7	1.54
1158.0	16:34	41.8	43	168	9.2	9.1	9.3	8.60	13.8	17.8	1.48
1160.0	16:37	36.5	44	167	9.2	9.2	9.3	8.60	13.8	16.0	1.54
1162.0	16:41	36.0	44	164	9.2	9.2	9.4	8.60	13.8	16.0	1.53
1164.0	16:49	40.7	45	161	9.2	9.2	9.4	8.60	13.8	17.5	1.48
1166.0	16:52	48.4	45	168	9.2	9.2	9.4	8.60	13.8	19.0	1.43
1168.0	16:54	51.1	42	167	9.2	9.2	9.4	8.60	13.8	20.9	1.38
1170.0	16:56	50.3	42	167	9.2	9.2	9.4	8.60	13.8	20.8	1.38
1172.0	16:58	56.9	42	168	9.2	9.2	9.4	8.60	13.8	22.1	1.34
1174.0	17: 6	53.2	44	156	9.2	9.2	9.4	8.60	13.8	21.2	1.36
909											
1176.0	17: 9	54.2	45	161	9.2	9.2	9.4	8.60	13.9	20.4	1.38
1178.0	17:11	51.0	45	162	9.2	9.2	9.4	8.60	13.9	19.9	1.40
1180.0	17:14	46.6	45	163	9.3	9.2	9.4	8.60	13.9	19.2	1.43
1182.0	17:16	57.1	45	163	9.3	9.2	9.4	8.60	13.9	21.3	1.36
1184.0	17:28	42.4	40	156	9.3	9.3	9.5	8.60	13.9	20.9	1.40
1186.0	17:30	50.3	44	157	9.3	9.3	9.5	8.60	13.9	21.1	1.37
1188.0	17:32	52.6	43	158	9.3	9.3	9.5	8.60	13.9	21.8	1.35
1190.0	17:35	45.7	43	152	9.4	9.4	9.5	8.60	13.9	20.9	1.38
1192.0	17:46	38.2	42	154	9.5	9.4	9.6	8.60	13.9	20.2	1.42
1194.0	17:48	50.2	43	158	9.5	9.4	9.6	8.60	13.9	22.6	1.35
929											
1196.0	17:51	43.3	45	160	9.5	9.5	9.7	8.60	13.9	20.5	1.41
1198.0	17:54	36.6	47	160	9.5	9.5	9.7	8.60	13.9	18.4	1.48
1200.0	17:57	49.1	46	160	9.5	9.5	9.7	8.60	13.9	21.6	1.38
1202.0	18: 5	46.7	45	154	9.5	9.5	9.7	8.60	13.9	21.8	1.37
1204.0	18: 8	40.3	46	167	9.5	9.5	9.7	8.60	13.9	19.5	1.46
1206.0	18:11	38.0	47	167	9.6	9.6	9.7	8.60	13.9	18.8	1.48
1208.0	18:15	37.8	48	168	9.6	9.6	9.7	8.60	13.9	18.5	1.49
1210.0	18:17	42.9	46	168	9.6	9.6	9.7	8.60	13.9	20.4	1.43
1212.0	18:25	50.6	45	161	9.6	9.6	9.8	8.60	13.9	23.0	1.35
1214.0	18:27	47.6	45	167	9.6	9.6	9.8	8.60	13.9	22.3	1.38
949											
1216.0	18:30	46.8	45	166	9.7	9.6	9.8	8.60	13.9	22.4	1.38
1218.0	18:33	41.1	45	167	9.7	9.7	9.8	8.60	13.9	21.2	1.42
1220.0	18:41	50.2	45	163	9.7	9.7	9.8	8.60	13.9	23.4	1.34
1222.0	18:44	42.4	45	163	9.7	9.7	9.9	8.60	13.9	21.8	1.40
1224.0	18:47	41.0	45	163	9.8	9.7	9.9	8.60	13.9	21.9	1.40
1226.0	18:49	54.1	45	164	9.8	9.8	9.9	8.60	13.9	24.4	1.32
1228.0	18:52	40.1	47	164	9.8	9.8	9.9	8.60	14.0	20.8	1.43
1230.0	19: 0	44.3	44	159	9.8	9.8	9.9	8.60	14.0	23.6	1.35
1232.0	19: 3	39.7	44	158	9.8	9.8	10.0	8.60	14.0	22.5	1.39
1234.0	19: 5	54.0	43	158	9.8	9.8	10.0	8.60	14.0	26.0	1.28
969											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
969											
1236.0	19: 7	55.2	44	158	9.8	9.8	10.0	8.60	14.0	25.9	1.28
1238.0	19:10	59.1	44	159	9.8	9.8	10.0	8.60	14.0	26.7	1.26
1240.0	19:18	48.2	42	152	9.8	9.8	10.0	8.60	14.0	25.9	1.29
1242.0	19:20	58.4	43	166	9.9	9.8	10.0	8.60	14.1	27.1	1.26
1244.0	19:22	47.5	41	160	9.9	9.8	10.0	8.60	14.1	26.2	1.29
1246.0	19:25	43.0	41	160	9.9	9.8	10.1	8.60	14.1	25.6	1.32
1248.0	19:28	48.2	41	161	9.9	9.8	10.1	8.60	14.1	26.8	1.28
1250.0	19:34	53.9	39	152	9.9	9.8	10.1	8.60	14.1	28.9	1.22
1252.0	19:37	51.8	43	155	9.9	9.8	10.1	8.60	14.1	26.7	1.27
1254.0	19:39	48.0	43	156	9.9	9.8	10.1	8.60	14.1	26.1	1.29
989											
1256.0	19:42	51.4	44	156	9.9	9.8	10.1	8.60	14.1	26.9	1.27
1258.0	19:45	41.8	44	156	9.9	9.8	10.1	8.60	14.1	24.6	1.34
1260.0	19:52	49.4	45	158	9.9	9.8	10.1	8.60	14.1	25.7	1.30
1262.0	19:55	44.2	46	165	9.9	9.8	10.1	8.60	14.1	24.0	1.36
1264.0	19:58	42.7	44	166	9.9	9.8	10.1	8.60	14.1	24.5	1.36
1266.0	20: 0	44.2	45	166	9.9	9.8	10.1	8.60	14.1	24.7	1.35
1270.0	20:10	55.5	44	156	9.9	9.8	10.1	8.60	14.1	27.6	1.25
1272.0	20:12	56.9	46	157	9.9	9.8	10.1	8.60	14.1	26.9	1.27
1274.0	20:15	45.2	46	157	9.9	9.8	10.1	8.60	14.1	24.8	1.34
1276.0	20:18	40.2	45	158	9.9	9.8	10.2	8.60	14.1	24.1	1.37
1010											
1278.0	20:27	45.7	43	155	9.9	9.8	10.1	8.60	14.1	26.2	1.31
1280.0	20:29	56.9	47	164	9.9	9.8	10.1	8.60	14.1	26.4	1.29
1282.0	20:31	51.2	45	164	9.9	9.8	10.1	8.60	14.1	26.1	1.31
1284.0	20:33	57.7	46	160	9.9	9.8	10.1	8.60	14.1	27.1	1.27
1286.0	20:36	55.7	48	161	9.9	9.8	10.1	8.60	14.1	26.0	1.30
1288.0	20:47	58.3	37	155	9.9	9.8	10.1	8.60	14.1	31.1	1.18
1290.0	20:50	46.9	33	156	9.9	9.8	10.1	8.60	14.1	31.6	1.20
1292.0	20:53	50.1	29	158	9.9	9.8	10.1	8.60	14.1	34.3	1.14
1294.0	20:56	33.3	31	156	9.9	9.8	10.1	8.60	14.1	29.2	1.27
1296.0	21: 1	23.1	26	152	9.9	9.8	10.1	8.60	14.2	28.2	1.31
1030											
1298.0	21:11	44.3	26	153	9.8	9.7	10.1	8.60	14.2	35.2	1.13
1300.0	21:16	27.3	25	163	9.7	9.7	10.1	8.60	14.2	30.9	1.28
1302.0	21:19	36.0	25	164	9.7	9.7	10.0	8.60	14.2	33.4	1.20
1304.0	21:23	33.5	24	164	9.7	9.7	10.0	8.60	14.2	32.8	1.22
1306.0	21:26	35.2	26	163	9.7	9.7	10.0	8.60	14.2	32.4	1.23
1308.0	3:52	29.0	25	130	9.7	9.7	9.8	8.60	14.2	31.9	1.23
1310.0	3:55	36.1	18	130	9.7	9.7	9.8	8.60	14.2	40.5	1.07
1312.0	4: 0	26.0	16	133	9.7	9.7	9.9	8.60	14.2	39.2	1.13
1314.0	4: 5	28.1	13	137	9.7	9.7	9.9	8.60	14.2	45.3	1.05
1316.0	4:18	26.4	11	126	9.7	9.7	9.9	8.60	14.2	48.3	1.01
1050											
1318.0	4:23	26.5	13	122	9.7	9.7	9.9	8.60	14.2	45.4	1.04
1320.0	4:27	26.4	11	128	9.9	9.9	9.9	8.60	14.2	47.7	1.02
1322.0	4:33	23.3	10	129	9.9	9.9	9.9	8.60	14.2	48.4	1.03
1324.0	4:39	18.6	11	129	9.9	9.9	10.0	8.60	14.2	45.3	1.08
1326.0	4:48	44.7	16	126	9.9	9.9	10.1	8.60	14.2	46.6	.95
1328.0	4:54	22.9	14	137	9.9	9.9	10.1	8.60	14.2	42.4	1.10
1330.0	4:59	23.3	15	138	9.9	9.9	10.1	8.60	14.2	41.4	1.11
1332.0	5: 4	25.1	16	139	9.9	9.9	10.1	8.60	14.2	40.9	1.11
1334.0	5: 8	30.5	21	137	9.9	9.9	10.1	8.60	14.2	37.7	1.14
1336.0	5:22	24.7	21	133	9.9	9.9	10.1	8.60	14.2	36.2	1.18
1069											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1069											
1338.0	5:28	19.6	16	140	9.9	9.9	10.1	8.60	14.2	38.1	1.18
1340.0	5:34	20.6	15	142	9.9	9.9	10.0	8.60	14.2	40.0	1.16
1342.0	5:38	31.6	21	148	9.9	9.9	10.1	8.60	14.2	37.6	1.15
1344.0	5:41	40.5	17	149	9.9	9.9	10.1	8.60	14.2	43.7	1.04
1346.0	5:51	35.2	17	144	9.9	9.9	10.1	8.60	14.2	42.7	1.06
1348.0	5:55	26.1	17	143	9.9	9.9	10.1	8.60	14.2	40.0	1.13
1350.0	6: 5	23.5	14	145	9.9	9.9	10.1	8.60	14.2	42.6	1.11
1352.0	6: 9	30.4	20	143	9.9	9.9	10.1	8.60	14.2	38.2	1.14
1354.0	6:13	29.0	18	141	9.9	9.9	10.1	8.60	14.3	39.9	1.12
1356.0	6:31	21.0	16	132	10.1	9.8	10.2	8.60	14.3	40.6	1.13
1089											
1358.0	6:35	30.4	23	142	10.1	9.9	10.2	8.60	14.3	37.1	1.16
1360.0	6:38	38.7	32	142	10.1	9.9	10.2	8.60	14.3	32.6	1.21
1362.0	6:41	45.0	27	147	10.1	9.9	10.2	8.60	14.3	37.2	1.11
1364.0	6:50	45.9	27	147	10.1	9.9	10.3	8.60	14.3	37.4	1.11
1366.0	6:54	31.8	23	139	10.1	9.9	10.3	8.60	14.3	38.0	1.13
1368.0	6:58	25.2	29	141	10.1	9.9	10.3	8.60	14.3	31.2	1.28
1370.0	7: 5	22.3	27	143	10.1	9.9	10.3	8.60	14.3	30.2	1.31
1372.0	7:12	16.3	32	144	10.1	9.9	10.3	8.60	14.3	24.9	1.45
1374.0	7:23	22.8	33	134	10.1	9.9	10.3	8.60	14.3	28.2	1.34
1376.0	7:30	19.1	25	150	10.1	9.9	10.3	8.60	14.3	30.4	1.33
1109											
1378.0	7:39	12.9	28	150	10.1	10.0	10.3	8.60	14.3	25.2	1.47
1380.0	7:51	9.6	32	150	10.1	10.0	10.3	8.60	14.3	19.7	1.61
1382.0	8: 1	13.2	31	150	10.1	10.0	10.3	8.60	14.3	23.2	1.51
1384.0	8:15	15.5	31	143	10.1	10.0	10.3	8.60	14.3	25.0	1.45
1386.0	8:26	10.6	45	139	10.1	10.0	10.3	8.60	14.3	15.2	1.73
1388.0	8:37	11.3	38	139	10.1	10.0	10.3	8.60	14.3	19.0	1.63
1390.0	8:45	15.1	33	140	10.1	10.0	10.3	8.60	14.3	24.1	1.47
1392.0	8:53	14.5	32	140	10.1	10.0	10.3	8.60	14.3	24.2	1.47
1394.0	9: 7	15.4	34	129	10.1	10.0	10.3	8.60	14.3	24.5	1.45
1396.0	9:16	13.4	33	112	10.1	10.0	10.3	8.60	14.3	24.6	1.44
1129											
1398.0	9:27	11.6	32	138	10.1	10.0	10.3	8.60	14.3	22.0	1.54
1400.0	9:39	10.6	34	145	10.0	10.0	10.2	8.60	14.3	19.9	1.61
1402.0	9:44	23.2	32	145	10.0	10.0	10.2	8.60	14.3	28.4	1.35
1403.0	10:36	16.3	26	129	10.0	10.0	10.1	8.60	14.3	28.7	1.36
NEW BIT ID: 101											
1412.0	21:28	1.8	15	61	10.2	10.1	10.5	8.60	14.4	16.9	1.63
1414.0	22:16	2.7	25	63	10.2	10.1	10.5	8.60	14.4	11.7	1.78
1416.0	22:59	3.0	25	63	10.2	10.1	10.6	8.60	14.4	12.7	1.76
1418.0	23:46	2.6	25	90	10.2	10.1	10.6	8.60	14.4	8.9	1.90
1420.0	0:40	2.1	25	90	10.2	10.1	10.7	8.60	14.4	7.6	1.96
1422.0	1:36	2.2	26	91	10.2	10.1	10.7	8.60	14.4	7.2	1.98
1155											
1424.0	2:38	2.0	27	95	10.2	10.1	10.7	8.60	14.4	5.4	2.04
1424.8	3:21	1.0	27	95	10.2	10.1	10.7	8.60	14.4	1.1	2.26
NEW BIT ID: 102											
1428.0	13:18	4.1	7	64	10.1	10.1	11.4	8.60	14.4	40.4	1.24
1430.0	14: 4	2.6	13	84	10.1	10.1	11.7	8.60	14.4	26.3	1.57

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1169											
1432.0	14:16	13.8	12	88	10.1	10.1	11.7	8.60	14.4	42.0	1.18
1434.0	14:24	17.3	12	100	10.1	10.1	11.7	8.60	14.4	42.7	1.15
1436.0	14:33	16.4	13	100	10.1	10.1	11.8	8.60	14.4	42.0	1.19
NEW BIT ID: 103											
1444.0	2:10	3.3	22	130	10.0	10.1	10.2	8.60	14.4	7.4	1.93
1446.0	2:27	7.2	21	120	10.0	10.1	10.2	8.60	14.4	16.9	1.63
1448.0	2:50	5.0	18	120	10.0	10.1	10.2	8.60	14.4	16.3	1.66
1450.0	3:25	4.0	19	101	10.0	10.1	10.2	8.60	14.4	14.6	1.71
1194											
1452.0	4:20	2.3	23	110	10.0	10.1	10.2	8.60	14.4	5.7	1.97
1453.0	4:55	1.7	21	110	10.0	10.1	10.2	8.60	14.4	4.4	2.01
NEW BIT ID: 104											
1454.0	15:19	2.2	16	83	10.2	10.1	11.5	8.60	14.4	20.5	1.69
1456.0	16: 9	2.9	18	100	10.2	10.1	11.6	8.60	14.4	17.1	1.81
1458.0	16:21	16.1	19	100	10.2	10.1	11.7	8.60	14.4	33.7	1.34
1460.0	16:41	11.0	18	100	10.2	10.1	11.5	8.60	14.4	29.6	1.46
1462.0	16:48	18.9	7	90	10.2	10.1	11.3	8.60	14.4	52.5	.95
1464.0	16:53	28.5	7	80	10.2	10.1	11.3	8.60	14.4	55.8	.84
1465.0	16:55	25.8	9	80	10.2	10.1	11.3	8.60	14.4	50.6	.91
NEW BIT ID: 105											
1468.0	0:47	19.5	20	63	10.1	10.0	11.2	8.60	14.5	37.4	1.13
1221											
1470.0	1:28	3.1	21	77	10.1	10.0	11.4	8.60	14.5	19.2	1.73
1472.0	2:14	2.6	20	100	10.1	10.0	11.5	8.60	14.5	16.6	1.83
1474.0	2:58	2.8	27	100	10.1	10.0	11.6	8.60	14.5	18.3	1.96
1476.0	3:37	3.0	25	100	10.1	10.0	11.7	8.60	14.5	16.0	1.89
1478.0	4: 4	4.7	20	103	10.1	10.0	11.9	8.60	14.5	24.8	1.66
NEW BIT ID: 4											
1494.0	0:45	15.0	30	61	10.0	10.1	10.2	8.60	14.5	30.6	1.21
1496.0	0:50	25.6	34	61	10.0	10.1	10.2	8.60	14.5	32.7	1.12
1244											
1498.0	1: 1	12.8	42	61	10.0	10.1	10.2	8.60	14.5	23.1	1.40
1506.0	1:21	24.8	48	61	10.0	10.1	10.2	8.60	14.5	27.6	1.24
1508.0	1:26	25.4	54	61	10.0	10.1	10.2	8.60	14.5	25.5	1.29
1509.0	1:27	33.0	52	115	10.0	10.1	10.2	8.60	14.5	23.8	1.39
NEW BIT ID: 5											
1512.0	20:52	13.7	22	143	9.8	9.8	9.9	20.30	23.3	78.9	1.39
1514.0	20:59	20.5	22	160	9.8	9.8	9.9	8.60	14.5	28.6	1.36
1516.0	22: 6	58.7	14	160	9.8	9.8	9.9	8.60	14.5	47.7	.93
1520.0	22:20	118.4	19	160	9.8	9.8	9.9	8.60	14.5	48.6	.84
1522.0	22:21	90.0	24	160	9.8	9.8	9.9	8.60	14.5	42.7	.95
1524.0	22:22	120.0	25	160	9.8	9.8	9.9	8.60	14.5	44.7	.87
1269											
1526.0	22:23	105.7	28	160	9.8	9.8	10.0	8.60	14.5	41.6	.94

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1271											
1528.0	22:31	75.2	23	160	9.8	9.8	10.0	8.60	14.5	42.2	.98
1530.0	22:33	70.6	25	160	9.8	9.8	10.0	8.60	14.6	40.3	1.02
1532.0	22:35	66.3	28	160	9.8	9.8	10.0	8.60	14.6	38.0	1.06
1534.0	22:43	20.9	31	160	9.8	9.8	10.0	8.60	14.6	23.9	1.48
1538.0	23:26	15.0	53	128	9.8	9.8	9.9	8.60	14.6	11.4	1.87
1540.0	23:33	21.9	57	110	9.8	9.8	9.9	8.60	14.6	17.8	1.63
1542.0	23:49	7.6	59	110	9.8	9.8	9.9	8.60	14.6	9.1	1.99
1544.0	23:57	24.0	57	110	9.8	9.8	9.9	8.60	14.6	17.8	1.64
1546.0	23:58	78.2	39	110	9.8	9.8	10.0	8.60	14.6	36.2	1.01
1548.0	1: 2	114.9	41	110	9.8	9.8	9.9	8.60	14.6	38.1	.93
1292											
1550.0	1: 4	92.3	58	110	9.8	9.8	9.9	8.60	14.6	30.0	1.17
1552.0	1: 8	38.0	52	110	9.8	9.8	9.9	8.60	14.6	24.5	1.39
1554.0	1:10	48.6	53	110	9.8	9.8	10.0	8.60	14.6	27.3	1.28
1556.0	1:38	5.9	55	110	9.8	9.8	10.0	8.60	14.6	7.8	2.03
1558.0	1:43	26.0	54	110	9.8	9.8	9.9	8.60	14.6	21.0	1.52
1560.0	1:47	28.9	54	110	9.8	9.8	9.9	8.60	14.6	22.5	1.46
1562.0	1:51	29.3	52	110	9.8	9.8	10.0	8.60	14.6	23.0	1.44
1564.0	1:53	99.9	49	110	9.8	9.8	10.0	8.60	14.6	34.8	1.01
1566.0	2: 2	70.0	52	110	9.8	9.8	10.0	8.60	14.6	31.1	1.14
1568.0	2: 3	99.3	51	110	9.8	9.8	10.0	8.60	14.6	33.8	1.04
1312											
1570.0	2: 4	92.0	53	110	9.8	9.8	10.0	8.60	14.6	33.2	1.06
1572.0	2:13	14.8	57	110	9.8	9.8	10.0	8.60	14.6	16.3	1.72
1574.0	2:25	24.9	55	110	9.8	9.8	10.0	8.60	14.6	20.6	1.55
1576.0	2:41	7.7	56	110	9.8	9.8	9.9	8.60	14.6	10.4	1.95
1578.0	2:53	10.9	55	110	9.8	9.8	9.9	8.60	14.6	13.2	1.84
1580.0	2:56	42.6	51	110	9.8	9.8	9.9	8.60	14.6	26.9	1.31
1582.0	2:59	40.7	49	110	9.8	9.8	9.9	8.60	14.6	27.1	1.31
1586.0	3:12	64.1	51	110	9.8	9.8	10.0	8.60	14.6	30.1	1.19
1588.0	3:13	86.8	53	110	9.8	9.8	10.0	8.60	14.6	32.0	1.08
1590.0	3:14	117.2	52	110	9.8	9.8	10.0	8.60	14.7	36.3	.97
1333											
1592.0	3:15	160.5	49	110	9.8	9.8	10.0	8.60	14.7	39.6	.85
1596.0	3:25	159.9	55	110	9.8	9.8	10.0	8.60	14.7	38.1	.89
1598.0	3:26	120.4	57	110	9.8	9.8	10.0	8.60	14.7	35.7	.98
1600.0	3:27	89.7	55	110	9.8	9.8	10.0	8.60	14.7	33.3	1.08
1602.0	3:30	59.7	57	110	9.8	9.8	10.0	8.60	14.7	27.9	1.30
1604.0	3:41	48.0	57	110	9.8	9.8	10.0	8.60	14.7	26.2	1.36
1606.0	3:59	7.4	59	110	9.8	9.8	10.0	8.60	14.7	9.7	2.02
1608.0	4: 7	17.9	62	110	9.8	9.8	9.9	8.60	14.7	16.9	1.76
1610.0	4:10	50.1	61	110	9.8	9.8	10.0	8.60	14.7	27.1	1.33
1612.0	4:20	24.6	57	110	9.8	9.8	10.0	8.60	14.7	21.2	1.55
1353											
1614.0	4:27	17.8	52	110	9.8	9.8	9.9	8.60	14.7	19.2	1.62
1616.0	4:40	9.4	59	110	9.8	9.8	9.9	8.60	14.7	12.6	1.91
1618.0	5: 8	4.3	59	110	9.8	9.8	9.9	8.60	14.7	5.4	2.20
1620.0	5:42	3.4	61	110	9.8	9.8	9.9	8.60	14.7	3.5	2.30
1622.0	6:17	4.5	41	110	9.8	9.8	9.9	8.60	14.7	11.5	1.96
1624.0	6:27	17.9	36	110	9.8	9.8	9.9	8.60	14.7	23.8	1.50
1626.0	6:33	19.9	38	110	9.8	9.8	9.9	8.60	14.7	26.0	1.42
1628.0	6:36	62.5	35	110	9.8	9.8	10.0	8.60	14.7	36.3	1.09
1632.0	7:28	106.1	29	110	9.8	9.8	9.9	8.60	14.7	45.4	.84
1634.0	7:29	135.4	32	110	9.8	9.8	9.9	8.60	14.7	45.9	.79
1374											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1374											
1636.0	7:32	48.6	33	110	9.8	9.8	9.9	8.60	14.7	36.3	1.11
1638.0	7:34	51.7	46	110	9.8	9.8	10.0	8.60	14.7	31.5	1.20
1640.0	7:38	34.6	47	110	9.8	9.8	10.0	8.60	14.7	27.4	1.35
1644.0	7:51	39.4	45	110	9.8	9.8	10.0	8.60	14.7	29.4	1.28
1646.0	7:56	28.5	48	110	9.8	9.8	10.0	8.60	14.7	25.9	1.41
1648.0	8: 0	25.0	45	110	9.8	9.8	10.0	8.60	14.7	25.6	1.42
1650.0	8: 7	18.1	51	110	9.8	9.8	10.0	8.60	14.7	20.7	1.59
1654.0	8:25	43.9	48	110	9.8	9.8	10.0	8.60	14.8	29.3	1.28
1656.0	8:28	55.7	50	110	9.8	9.8	10.0	8.60	14.8	31.1	1.21
1658.0	8:30	50.4	53	110	9.8	9.8	10.0	8.60	14.8	29.5	1.26
1395											
1662.0	8:43	37.4	49	110	9.8	9.8	10.0	8.60	14.8	27.9	1.33
1664.0	8:45	72.3	45	110	9.7	9.8	10.0	8.60	14.8	34.9	1.09
1666.0	8:51	22.0	46	110	9.7	9.8	10.0	8.60	14.8	24.3	1.48
1668.0	8:55	25.9	48	110	9.7	9.8	9.9	8.60	14.8	24.7	1.45
1670.0	9: 9	18.4	49	110	9.7	9.8	9.9	8.60	14.8	20.9	1.60
1672.0	9:50	2.9	47	110	9.7	9.8	9.8	8.60	14.8	5.5	2.19
1674.0	10:27	3.3	51	110	9.7	9.8	9.8	8.60	14.8	5.4	2.20
1676.0	10:41	29.2	52	110	9.7	9.8	9.8	8.60	14.8	19.1	1.68
1678.0	10:43	51.8	51	110	9.7	9.8	9.8	8.60	14.8	29.7	1.26
1682.0	10:52	112.4	40	110	9.7	9.8	9.9	8.60	14.8	40.9	.92
1417											
1684.0	10:53	97.5	46	110	9.7	9.8	9.9	8.60	14.8	37.0	1.02
1686.0	10:56	47.2	51	110	9.7	9.8	9.9	8.60	14.8	29.0	1.30
1688.0	10:59	51.5	51	110	9.7	9.8	9.9	8.60	14.8	30.0	1.26
1690.0	11: 9	52.4	56	110	9.7	9.8	9.9	8.60	14.8	29.3	1.29
1692.0	11:23	19.3	59	110	9.7	9.8	9.9	8.60	14.8	16.7	1.82
1694.0	11:56	3.8	53	110	9.7	9.8	9.8	8.60	14.8	6.4	2.20
1696.0	12:33	3.3	53	111	9.7	9.8	9.8	8.60	14.8	5.3	2.23
1698.0	12:46	41.6	51	102	9.7	9.8	9.8	8.60	14.8	22.5	1.57
1700.0	12:59	74.8	44	102	9.7	9.8	9.8	8.60	14.8	36.1	1.06
1702.0	13: 0	85.7	43	102	9.7	9.8	9.8	8.60	14.8	38.0	1.00
1436											
1704.0	13: 2	88.4	50	102	9.7	9.8	9.9	8.60	14.8	35.7	1.04
1706.0	13: 6	35.5	52	102	9.7	9.8	9.9	8.60	14.8	26.2	1.42
1708.0	13:22	20.9	52	102	9.7	9.8	9.9	8.60	14.8	21.8	1.59
1710.0	13:39	29.3	54	102	9.7	9.8	9.9	8.60	14.8	19.0	1.71
1712.0	13:48	13.4	54	102	9.7	9.8	9.8	8.60	14.8	18.4	1.73
1714.0	13:55	22.1	51	102	9.7	9.8	9.8	8.60	14.9	22.9	1.54
1716.0	13:58	48.3	53	102	9.7	9.8	9.8	8.60	14.9	29.3	1.29
1718.0	14: 8	64.1	53	102	9.7	9.8	9.8	8.60	14.9	32.4	1.17
1720.0	14:10	52.8	47	102	9.7	9.8	9.9	8.60	14.9	32.3	1.19
1722.0	14:14	33.5	47	102	9.7	9.8	9.9	8.60	14.9	28.6	1.34
1456											
1724.0	14:18	29.2	47	102	9.7	9.8	9.9	8.60	14.9	27.2	1.39
1726.0	14:24	19.1	48	102	9.7	9.8	9.9	8.60	14.9	23.4	1.53
1732.0	14:44	38.5	49	102	9.7	9.8	9.9	8.60	14.9	28.9	1.32
1734.0	14:48	31.8	50	102	9.7	9.8	9.9	8.60	14.9	27.5	1.38
1736.0	14:52	31.7	49	102	9.7	9.8	9.9	8.60	14.9	27.9	1.37
1737.0	15: 1	24.7	49	102	9.7	9.8	9.9	8.60	14.9	25.6	1.46
NEW BIT ID: 6											
1738.0	22:27	7.7	45	110	9.7	9.8	9.8	8.60	14.9	15.1	1.84

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1473											
1740.0	22:40	8.7	46	110	9.7	9.7	9.8	8.60	14.9	15.7	1.81
1742.0	22:49	15.1	47	110	9.7	9.7	9.8	8.60	14.9	19.7	1.66
1744.0	22:51	57.7	44	110	9.7	9.7	9.8	8.60	14.9	32.8	1.17
1746.0	22:55	40.6	48	110	9.7	9.7	9.8	8.60	14.9	28.2	1.33
1748.0	23: 4	59.9	43	110	9.7	9.7	9.8	8.60	14.9	34.0	1.14
1750.0	23: 6	67.2	46	110	9.7	9.7	9.8	8.60	14.9	33.8	1.13
1752.0	23: 8	66.9	45	110	9.7	9.7	9.9	8.60	14.9	34.0	1.12
1754.0	23:10	58.4	48	110	9.7	9.7	9.9	8.60	14.9	32.0	1.19
1756.0	23:12	56.3	48	110	9.7	9.7	9.9	8.60	14.9	31.9	1.20
1762.0	23:25	82.6	45	110	9.7	9.7	9.9	8.60	14.9	36.5	1.04
1491											
1764.0	23:27	81.5	46	110	9.7	9.7	9.9	8.60	14.9	36.0	1.06
1766.0	23:42	54.0	42	110	9.7	9.7	9.9	8.60	14.9	33.6	1.17
1768.0	23:44	80.6	42	110	9.7	9.7	9.9	8.60	14.9	37.2	1.04
1770.0	23:46	63.9	40	110	9.7	9.7	9.9	8.60	14.9	35.9	1.10
1772.0	23:59	16.3	45	110	9.7	9.7	9.9	8.60	14.9	20.0	1.67
1776.0	0:15	37.9	42	110	9.7	9.7	9.9	8.60	14.9	27.9	1.39
1778.0	1:17	37.4	41	110	9.7	9.7	9.8	8.60	15.0	31.0	1.27
1780.0	1:23	18.9	42	110	9.7	9.7	9.8	8.60	15.0	24.5	1.51
1782.0	1:27	30.9	50	110	9.7	9.7	9.8	8.60	15.0	26.6	1.42
1784.0	1:29	70.2	55	110	9.7	9.7	9.8	8.60	15.0	32.3	1.18
1512											
1788.0	2:29	69.1	50	110	9.7	9.7	9.8	8.60	15.0	33.2	1.16
1790.0	2:30	80.9	56	110	9.7	9.7	9.8	8.60	15.0	33.4	1.14
1792.0	2:36	35.2	55	110	9.7	9.7	9.8	8.60	15.0	24.2	1.52
1796.0	2:47	54.2	54	110	9.7	9.7	9.8	8.60	15.0	29.5	1.30
1798.0	2:53	22.4	54	110	9.7	9.7	9.9	8.60	15.0	22.9	1.57
1800.0	2:56	35.9	54	110	9.7	9.7	9.9	8.60	15.0	27.1	1.40
1802.0	3: 8	13.0	57	110	9.7	9.7	9.9	8.60	15.0	16.9	1.84
1804.0	3:28	9.2	55	110	9.7	9.7	9.9	8.60	15.0	15.2	1.90
1806.0	3:32	28.1	55	110	9.7	9.7	9.9	8.60	15.0	24.5	1.52
1808.0	3:42	18.8	55	110	9.7	9.7	9.8	8.60	15.0	19.8	1.72
1533											
1810.0	3:46	28.3	53	110	9.7	9.7	9.8	8.60	15.0	25.4	1.48
1812.0	10:33	35.5	45	110	9.7	9.7	9.8	8.60	15.0	29.6	1.33
1916.0	10:46	46.6	44	110	9.7	9.7	9.8	8.60	15.0	31.9	1.26
1818.0	10:48	50.7	44	110	9.7	9.7	9.8	8.60	15.0	33.6	1.20
1820.0	10:50	74.1	45	110	9.7	9.7	9.8	8.60	15.0	36.4	1.09
1822.0	10:52	63.3	45	110	9.7	9.7	9.9	8.60	15.0	35.1	1.14
1824.0	11: 5	60.7	44	110	9.7	9.7	9.9	8.60	15.0	35.0	1.14
1826.0	11: 8	38.9	55	110	9.7	9.7	9.9	8.60	15.0	28.4	1.39
1828.0	11:12	29.0	45	110	9.7	9.7	9.9	8.60	15.0	28.6	1.39
1830.0	11:14	51.9	44	110	9.7	9.7	9.9	8.60	15.0	33.9	1.19
1553											
1832.0	11:17	42.9	45	110	9.7	9.7	9.9	8.60	15.0	32.2	1.26
1836.0	11:30	54.6	43	110	9.7	9.7	9.9	8.60	15.0	34.6	1.17
1838.0	11:33	36.4	45	110	9.7	9.7	9.9	8.60	15.0	30.8	1.31
1840.0	11:36	44.9	45	110	9.7	9.7	9.9	8.60	15.0	32.7	1.24
1842.0	11:49	9.3	41	110	9.7	9.7	9.9	8.60	15.0	20.5	1.71
1844.0	12: 1	28.4	44	110	9.7	9.7	9.9	8.60	15.1	26.6	1.48
1846.0	12: 4	44.5	45	110	9.7	9.7	9.9	8.60	15.1	32.5	1.25
1848.0	12:17	9.1	47	110	9.7	9.7	9.9	8.60	15.1	18.3	1.80
1850.0	12:37	6.2	52	110	9.7	9.7	9.8	8.60	15.1	13.7	1.99
1854.0	13:11	13.4	53	110	9.7	9.7	9.8	8.60	15.1	18.9	1.78
1574											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1574											
1856.0	13:13	69.9	45	110	9.7	9.7	9.8	8.60	15.1	36.4	1.10
1858.0	14: 6	29.3	45	110	9.7	9.7	9.8	8.60	15.1	28.7	1.41
1860.0	14: 9	44.5	45	110	9.7	9.7	9.8	8.60	15.1	32.4	1.26
1862.0	14:42	8.0	46	110	9.7	9.7	9.8	8.60	15.1	17.7	1.84
1864.0	14:51	23.5	43	110	9.7	9.7	9.8	8.60	15.1	25.4	1.54
1865.0	14:52	51.4	44	110	9.7	9.7	9.8	8.60	15.1	34.6	1.19
NEW BIT ID: 7											
1866.0	0:17	14.3	40	50	9.7	9.7	9.6	8.60	15.1	67.5	.07
1868.0	0:21	15.3	40	50	9.7	9.7	9.8	8.60	15.1	30.4	1.30
1870.0	0:31	12.5	40	50	9.7	9.7	9.8	8.60	15.1	28.7	1.37
1872.0	0:35	14.7	40	50	9.7	9.7	9.8	8.60	15.1	30.3	1.31
1595											
1874.0	0:39	15.8	40	50	9.7	9.7	9.8	8.60	15.1	31.0	1.28
1876.0	0:41	25.2	40	50	9.7	9.7	9.9	8.60	15.1	35.0	1.14
1878.0	0:44	18.8	40	50	9.7	9.7	9.9	8.60	15.1	32.6	1.23
1880.0	0:50	11.4	40	50	9.7	9.7	9.9	8.60	15.1	28.4	1.38
1882.0	1:16	7.4	44	50	9.7	9.7	9.9	8.60	15.1	23.4	1.57
1884.0	1:26	17.7	45	50	9.7	9.7	9.9	8.60	15.1	29.1	1.34
1886.0	1:46	8.3	41	50	9.7	9.7	9.8	8.60	15.1	25.6	1.51
1888.0	1:55	13.3	49	50	9.7	9.7	9.8	8.60	15.1	26.4	1.44
1890.0	2:15	6.4	35	50	9.7	9.7	9.8	8.60	15.1	25.5	1.52
1892.0	2:50	20.3	38	50	9.7	9.7	9.8	8.60	15.1	34.1	1.19
1610											
1894.0	2:58	16.2	40	50	9.7	9.7	9.8	8.60	15.1	31.2	1.29
1896.0	3: 5	17.4	40	56	9.7	9.7	9.8	8.60	15.1	31.3	1.29
1898.0	3:12	16.9	40	56	9.7	9.7	9.9	8.60	15.1	31.0	1.30
1900.0	3:21	13.6	40	56	9.7	9.7	9.9	8.60	15.1	29.3	1.37
1902.0	3:41	13.8	39	56	9.7	9.7	9.9	8.60	15.1	29.6	1.36
1904.0	3:49	16.3	36	56	9.7	9.7	9.8	8.60	15.1	32.5	1.27
1906.0	3:57	14.5	42	56	9.7	9.7	9.8	8.60	15.1	29.3	1.36
1908.0	4: 4	17.8	38	56	9.7	9.7	9.8	8.60	15.1	32.3	1.26
1910.0	4:20	16.1	38	56	9.7	9.7	9.8	8.60	15.2	31.6	1.29
1916.0	4:43	19.5	38	56	9.7	9.7	9.9	8.60	15.2	33.4	1.23
1630											
1918.0	4:51	14.1	40	56	9.7	9.7	9.9	8.60	15.2	29.8	1.36
1920.0	5: 8	15.5	39	56	9.7	9.7	9.9	8.60	15.2	31.0	1.32
1922.0	5:16	15.5	35	56	9.7	9.7	9.9	8.60	15.2	32.5	1.28
1932.0	7: 6	24.1	40	57	9.7	9.7	9.9	8.60	15.2	34.5	1.19
1934.0	7:11	23.0	39	57	9.7	9.7	9.9	8.60	15.2	34.4	1.20
1936.0	7:17	23.0	39	57	9.7	9.7	9.9	8.60	15.2	34.4	1.20
1938.0	7:22	23.7	40	57	9.7	9.7	9.9	8.60	15.2	34.3	1.20
1940.0	7:43	14.6	41	57	9.7	9.7	9.8	8.60	15.2	30.2	1.36
1942.0	7:59	7.8	35	57	9.7	9.7	9.8	8.60	15.2	27.1	1.49
1944.0	8: 7	16.3	27	57	9.7	9.7	9.8	8.60	15.2	36.8	1.20
1650											
1946.0	8:19	10.4	31	57	9.7	9.7	9.8	8.60	15.2	31.6	1.35
1948.0	8:37	24.4	45	57	9.7	9.7	9.8	8.60	15.2	32.8	1.24
1950.0	8:45	14.6	44	57	9.7	9.7	9.8	8.60	15.2	29.1	1.39
1952.0	8:53	15.9	35	57	9.7	9.7	9.8	8.60	15.2	33.1	1.28
1954.0	9: 9	7.8	33	57	9.7	9.7	9.8	8.60	15.2	28.4	1.47
1956.0	9:19	12.6	36	57	9.7	9.7	9.8	8.60	15.2	31.2	1.35
1958.0	9:31	23.9	40	57	9.7	9.7	9.9	8.60	15.2	35.0	1.19

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1664											
1960.0	9:37	21.5	40	57	9.7	9.7	9.9	8.60	15.2	33.7	1.23
1962.0	10: 0	5.4	40	57	9.7	9.7	9.8	8.60	15.2	22.3	1.67
1964.0	10: 6	20.3	34	57	9.7	9.7	9.8	8.60	15.2	36.0	1.19
1966.0	10:12	19.8	33	57	9.7	9.7	9.8	8.60	15.2	36.1	1.19
1970.0	10:44	23.7	34	57	9.7	9.7	9.8	8.60	15.2	37.2	1.14
1972.0	10:54	19.3	32	57	9.7	9.7	9.8	8.60	15.2	35.4	1.22
1974.0	11:15	6.7	42	57	9.7	9.7	9.8	8.60	15.2	23.0	1.66
1976.0	12: 3	4.0	45	57	9.7	9.7	9.8	8.60	15.2	18.1	1.84
1978.0	12:29	4.9	29	57	9.7	9.7	9.8	8.60	15.3	26.8	1.55
1980.0	13: 0	4.1	37	57	9.7	9.7	9.8	9.60	15.3	21.6	1.72
1684											
1982.0	13:32	6.9	32	57	9.7	9.7	9.8	8.60	15.3	27.8	1.51
1984.0	13:38	18.6	27	57	9.7	9.7	9.8	8.60	15.3	39.1	1.14
1986.0	13:56	29.8	30	57	9.7	9.7	9.8	8.60	15.3	41.6	1.03
1988.0	14: 7	22.2	35	57	9.7	9.7	9.8	8.60	15.3	36.7	1.18
1990.0	14:17	12.4	36	57	9.7	9.7	9.8	8.60	15.3	31.7	1.36
1992.0	14:24	17.5	39	57	9.7	9.7	9.8	8.60	15.3	33.3	1.28
1994.0	14:33	14.9	40	57	9.7	9.7	9.8	8.60	15.3	31.1	1.36
1996.0	14:43	13.5	40	57	9.7	9.7	9.8	8.60	15.3	30.6	1.38
1998.0	15: 4	14.2	40	57	9.7	9.7	9.8	8.60	15.3	31.2	1.36
2000.0	15:12	17.1	40	57	9.7	9.7	9.8	8.60	15.3	32.6	1.31
1704											
2002.0	15:22	14.9	43	57	9.7	9.7	9.8	8.60	15.3	30.8	1.37
2004.0	15:34	10.2	48	57	9.7	9.7	9.8	8.60	15.3	25.5	1.56
2006.0	15:55	13.7	43	57	9.7	9.7	9.8	8.60	15.3	30.1	1.40
2008.0	16: 9	8.6	48	57	9.7	9.7	9.8	8.60	15.3	24.4	1.61
2010.0	16:17	16.4	47	57	9.7	9.7	9.8	8.60	15.3	29.7	1.40
2012.0	16:31	9.8	42	57	9.7	9.7	9.8	8.60	15.3	27.3	1.51
2014.0	17: 3	4.0	46	57	9.7	9.7	9.8	8.60	15.3	19.1	1.83
2016.0	17:38	10.3	42	57	9.7	9.7	9.8	8.60	15.3	26.6	1.55
2018.0	17:56	7.6	42	57	9.7	9.7	9.8	8.60	15.3	25.7	1.58
2020.0	18:14	7.2	34	57	9.7	9.7	9.8	8.60	15.3	28.4	1.50
1724											
2022.0	18:22	16.3	28	57	9.7	9.7	9.8	8.60	15.3	38.1	1.20
2024.0	18:29	17.1	28	57	9.7	9.7	9.8	8.60	15.3	38.8	1.17
2026.0	18:58	8.1	35	57	9.7	9.7	9.8	8.60	15.3	28.6	1.50
2028.0	19:22	6.0	40	57	9.7	9.7	9.8	8.60	15.3	24.1	1.65
2030.0	19:30	15.1	36	57	9.7	9.7	9.8	8.60	15.3	33.8	1.30
2032.0	19:38	13.6	38	57	9.7	9.7	9.8	8.60	15.3	32.2	1.35
2034.0	19:53	16.8	37	57	9.7	9.7	9.8	8.60	15.3	34.5	1.28
2036.0	20: 4	13.9	36	57	9.7	9.7	9.8	8.60	15.3	33.3	1.32
2038.0	20:16	12.0	34	57	9.7	9.7	9.9	8.60	15.3	33.4	1.34
2040.0	20:29	11.2	41	57	9.7	9.7	9.9	8.60	15.3	29.6	1.45
1744											
2042.0	20:37	14.6	46	57	9.7	9.7	9.9	8.60	15.3	30.1	1.41
2044.0	20:49	25.0	51	57	9.7	9.7	9.9	8.60	15.3	33.0	1.28
2046.0	20:58	14.9	41	57	9.7	9.7	9.9	8.60	15.4	32.6	1.34
2048.0	21:14	12.4	42	57	9.7	9.7	9.9	8.60	15.4	30.2	1.42
2050.0	21:22	15.3	47	57	9.7	9.7	9.9	8.60	15.4	30.5	1.40
2052.0	21:34	12.6	40	57	9.7	9.7	9.9	8.60	15.4	31.2	1.40
2054.0	22: 4	6.3	48	57	9.7	9.7	9.8	8.60	15.4	22.7	1.72
2056.0	22:14	13.8	49	57	9.7	9.7	9.8	8.60	15.4	28.9	1.46
2058.0	22:27	11.8	50	57	9.7	9.7	9.8	8.60	15.4	27.1	1.54
2060.0	22:37	12.4	48	57	9.7	9.7	9.8	8.60	15.4	28.4	1.49
1763											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1763											
2062.0	22:46	15.3	44	57	9.7	9.7	9.8	8.60	15.4	31.5	1.38
2064.0	23: 6	13.7	39	57	9.7	9.7	9.8	8.60	15.4	31.2	1.40
2066.0	23:33	5.6	40	57	9.7	9.7	9.8	8.60	15.4	24.5	1.67
2068.0	0: 3	4.1	46	57	9.7	9.7	9.8	8.60	15.4	20.2	1.83
2070.0	0:16	9.2	48	57	9.7	9.7	9.8	8.60	15.4	26.3	1.59
2071.0	0:21	11.0	40	57	9.7	9.7	9.8	8.60	15.4	30.1	1.45
NEW BIT ID: 8											
2072.0	17: 9	10.0	27	80	9.7	9.7	9.8	8.60	15.4	31.7	1.42
2074.0	17:19	11.5	30	80	9.7	9.7	9.8	8.60	15.4	31.2	1.42
2076.0	17:35	7.4	29	80	9.7	9.7	9.8	8.60	15.4	28.1	1.53
2078.0	18:35	4.4	30	80	9.7	9.7	9.8	8.60	15.4	23.0	1.72
1785											
2080.0	19:27	14.8	35	80	9.7	9.7	9.8	8.60	15.4	28.9	1.50
2082.0	19:27	4.8	37	80	9.7	9.7	9.8	8.60	15.4	21.0	1.78
2084.0	19:51	5.6	34	80	9.7	9.7	9.8	8.60	15.4	24.0	1.68
2086.0	20:11	35.6	30	80	9.7	9.7	9.8	8.60	15.4	40.4	1.09
2088.0	20:18	16.4	40	80	9.7	9.7	9.8	8.60	15.4	30.5	1.42
2090.0	20:25	18.8	51	80	9.7	9.7	9.8	8.60	15.4	27.5	1.50
2092.0	20:46	25.5	40	80	9.7	9.7	9.8	8.60	15.4	34.1	1.28
2094.0	20:53	18.1	31	80	9.7	9.7	9.8	8.60	15.4	34.7	1.30
2096.0	21:10	8.4	29	80	9.7	9.7	9.8	8.60	15.4	30.0	1.48
2098.0	21:21	11.8	26	80	9.7	9.7	9.8	8.60	15.4	34.2	1.35
1805											
2100.0	21:30	12.9	25	80	9.7	9.7	9.8	8.60	15.4	35.5	1.31
2102.0	21:50	10.9	25	80	9.7	9.7	9.8	8.60	15.4	31.9	1.43
2104.0	22: 3	10.3	26	80	9.7	9.7	9.8	8.60	15.4	33.0	1.39
2106.0	22:31	4.9	23	80	9.7	9.7	9.8	8.60	15.4	28.8	1.55
2108.0	22:42	11.2	35	80	9.7	9.7	9.8	8.60	15.4	29.5	1.48
2110.0	22:52	11.8	38	80	9.7	9.7	9.8	8.60	15.4	28.6	1.51
2114.0	23:29	13.9	31	80	9.7	9.7	9.8	8.60	15.4	30.6	1.45
2116.0	0:14	2.9	38	80	9.7	9.7	9.8	8.60	15.5	16.8	1.97
2118.0	1: 3	2.5	40	80	9.7	9.7	9.8	8.60	15.5	15.3	2.04
2120.0	2:13	1.7	41	80	9.7	9.7	9.8	8.60	15.5	11.7	2.18
1829											
2122.0	3:50	1.5	50	80	9.7	9.7	9.8	8.60	15.5	8.2	2.36
2124.0	5: 5	1.7	41	80	9.7	9.7	9.8	8.60	15.5	11.9	2.18
2126.0	5:43	2.9	42	80	9.7	9.7	9.8	8.60	15.5	16.2	2.01
2128.0	6:33	2.5	48	80	9.7	9.7	9.8	8.60	15.5	13.2	2.15
2130.0	6:50	6.8	46	80	9.7	9.7	9.8	8.60	15.5	21.8	1.79
2132.0	7:35	5.7	45	80	9.7	9.7	9.8	8.60	15.6	20.8	1.84
2134.0	7:57	6.0	46	80	9.7	9.7	9.8	8.60	15.5	20.8	1.83
2136.0	8:27	5.0	49	80	9.7	9.7	9.8	8.60	15.5	17.8	1.96
2138.0	8:46	7.2	45	80	9.7	9.7	9.8	8.60	15.5	22.7	1.76
2142.0	9:33	7.5	43	80	9.7	9.7	9.8	8.60	15.5	23.4	1.73
1858											
2144.0	11: 8	5.5	41	80	9.7	9.7	9.8	8.60	15.5	20.0	1.87
2146.0	11:21	8.9	44	80	9.7	9.7	9.8	8.60	15.5	24.9	1.67
2148.0	11:36	8.5	47	80	9.7	9.7	9.8	8.60	15.5	23.7	1.72
2152.0	12:34	4.0	41	80	9.7	9.7	9.8	8.60	15.5	19.3	1.90
2156.0	16:52	1.6	50	80	9.7	9.7	9.8	8.60	15.5	8.4	2.39
2158.0	17:16	5.5	49	80	9.7	9.7	9.8	8.60	15.5	19.7	1.90
2160.0	17:48	5.4	50	80	9.7	9.7	9.8	8.60	15.5	19.4	1.92

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1877											
2162.0	19: 2	1.9	60	80	9.7	9.7	9.8	8.60	15.5	8.3	2.48
2164.0	21: 7	1.1	57	80	9.7	9.7	9.8	8.60	15.5	5.1	2.59
2166.0	23:17	1.1	57	80	9.7	9.7	9.8	8.60	15.5	5.7	2.57
2168.0	0:24	3.6	55	80	9.7	9.7	9.8	8.60	15.5	10.3	2.36
2170.0	2:13	22.8	47	80	9.7	9.7	9.8	8.60	15.5	32.1	1.39
2172.0	2:30	7.8	45	80	9.7	9.7	9.8	8.60	15.5	23.9	1.74
2174.0	2:47	7.3	49	80	9.7	9.7	9.8	8.60	15.5	22.4	1.80
2176.0	3: 1	8.4	48	80	9.7	9.7	9.8	8.60	15.5	23.7	1.74
2180.0	3:35	7.4	50	80	9.7	9.6	9.8	8.60	15.5	22.2	1.81
2182.0	3:50	8.1	52	80	9.7	9.6	9.8	8.60	15.5	22.6	1.80
1909											
2184.0	4: 6	7.6	51	80	9.7	9.6	9.8	8.60	15.5	22.4	1.81
2186.0	4:29	6.1	52	80	9.7	9.6	9.8	8.60	15.6	20.3	1.90
2188.0	4:56	6.8	50	80	9.7	9.7	9.8	8.60	15.6	21.8	1.83
2190.0	5:13	7.4	42	80	9.7	9.7	9.8	8.60	15.6	25.0	1.71
2192.0	5:32	6.1	43	80	9.7	9.7	9.8	8.60	15.6	23.3	1.78
2194.0	5:52	6.2	45	80	9.7	9.7	9.8	8.60	15.6	22.8	1.80
2196.0	6:23	4.4	45	80	9.7	9.7	9.8	8.60	4.9	15.1	1.96
2198.0	7:16	4.1	39	80	9.7	9.7	9.8	8.60	15.6	21.6	1.85
2200.0	7:36	6.7	37	80	9.7	9.7	9.8	8.60	15.6	26.3	1.67
2202.0	7:56	6.1	39	80	9.7	9.7	9.8	8.60	15.6	24.8	1.73
1930											
2204.0	8:13	7.1	44	80	9.7	9.7	9.8	8.60	15.6	24.4	1.74
2206.0	8:40	8.0	48	80	9.7	9.7	9.8	8.60	15.6	24.1	1.75
2208.0	10:16	1.4	39	80	9.7	9.7	9.8	8.60	15.6	13.2	2.20
2210.0	10:32	7.8	45	80	9.7	9.7	9.8	8.60	15.6	24.7	1.73
2212.0	10:50	7.0	42	80	9.7	9.7	9.8	8.60	15.6	24.9	1.73
2214.0	11: 4	8.5	47	80	9.7	9.7	9.8	8.60	15.6	24.9	1.72
2218.0	11:37	7.5	39	80	9.7	9.7	9.8	8.60	15.6	26.8	1.66
2220.0	11:53	7.6	32	80	9.7	9.7	9.8	8.60	15.6	29.7	1.56
2222.0	12: 8	7.6	30	80	9.7	9.7	9.8	8.60	15.6	30.5	1.54
2224.0	12:36	5.6	30	80	9.7	9.7	9.8	8.60	15.6	27.5	1.65
1954											
2226.0	13: 6	6.1	28	80	9.7	9.7	9.8	8.60	15.6	30.1	1.57
2228.0	13:26	5.8	38	80	9.7	9.7	9.8	8.60	15.6	25.1	1.73
2230.0	13:48	5.6	40	80	9.7	9.7	9.8	8.60	15.6	24.0	1.77
2232.0	14: 7	6.4	41	80	9.7	9.7	9.8	8.60	15.6	24.9	1.74
2234.0	14:26	6.4	41	80	9.7	9.7	9.8	8.60	15.6	24.8	1.75
2236.0	14:59	5.5	40	79	9.7	9.7	9.8	8.60	15.6	24.2	1.77
2238.0	16:29	1.4	41	65	9.7	9.7	9.8	8.60	15.6	14.8	2.15
2240.0	17:47	1.6	48	65	9.7	9.7	9.8	8.60	15.6	13.1	2.23
2242.0	18:41	2.1	47	62	9.7	9.7	9.8	8.60	15.6	16.1	2.11
2244.0	19:50	1.6	47	60	9.7	9.7	9.8	8.60	15.6	14.0	2.20
1984											
2246.0	21:21	2.0	44	60	9.7	9.7	9.8	8.60	15.6	16.8	2.08
2248.0	22:32	1.5	46	60	9.7	9.7	9.8	8.60	15.6	14.1	2.19
2250.0	23:31	2.4	42	60	9.7	9.1	9.8	8.60	15.6	18.5	2.01
2251.6	23:58	2.8	37	60	9.7	9.7	9.8	8.60	15.6	22.1	1.86
NEW BIT ID: 9											
2252.0	0:23	2.6	40	50	9.7	9.7	9.8	8.60	15.6	20.8	1.87
2254.0	1: 0	3.2	40	50	9.7	9.7	9.8	8.60	15.6	22.7	1.79
2256.0	1: 8	15.0	41	50	9.7	9.7	9.8	8.60	15.6	34.2	1.32

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2007											
2258.0	1:15	16.7	44	50	9.7	9.7	9.8	8.60	15.6	34.2	1.31
2260.0	1:24	14.2	48	60	9.7	9.7	9.8	8.60	15.7	30.5	1.46
2262.0	1:31	17.0	53	60	9.7	9.7	9.8	8.60	15.7	30.8	1.44
2264.0	1:39	16.3	52	65	9.7	9.7	9.8	8.60	15.7	30.1	1.47
2266.0	1:46	16.9	54	60	9.7	9.7	9.8	8.60	15.7	30.6	1.45
2268.0	1:55	13.6	48	60	9.7	9.7	9.9	8.60	15.7	30.4	1.47
2270.0	2: 4	12.2	48	60	9.7	9.7	9.9	8.60	15.7	29.6	1.50
2272.0	2:13	13.6	51	60	9.7	9.7	9.9	8.60	15.7	29.7	1.49
2274.0	2:26	9.6	51	60	9.7	9.7	9.9	8.60	15.7	27.1	1.61
2276.0	2:39	8.8	51	60	9.7	9.7	9.8	8.60	15.7	26.2	1.65
2027											
2278.0	2:49	12.0	50	60	9.7	9.7	9.8	8.60	15.7	28.9	1.53
2280.0	3: 1	10.0	50	60	9.7	9.7	9.8	8.60	15.7	27.5	1.59
2282.0	3:17	7.6	51	60	9.7	9.7	9.8	8.60	15.7	25.2	1.70
2284.0	3:30	9.3	50	60	9.7	9.7	9.8	8.60	15.7	27.1	1.62
2286.0	3:54	4.9	49	60	9.7	9.7	9.8	8.60	15.7	22.6	1.82
2288.0	4:15	5.7	49	60	9.7	9.7	9.8	8.60	15.7	23.5	1.78
2290.0	0:15	8.9	50	60	9.7	9.7	9.8	8.60	15.7	26.3	1.66
2292.0	15:12	14.4	38	60	9.7	9.7	9.8	8.60	15.7	35.3	1.34
2294.0	15:26	9.8	40	60	9.6	9.6	9.8	8.60	15.7	31.0	1.49
2296.0	15:43	7.4	49	64	9.6	9.6	9.8	8.60	15.7	25.2	1.72
2046											
2298.0	15:54	12.4	48	85	9.6	9.7	9.8	8.60	15.7	27.6	1.63

DUMP B

RS	-	Calculated rock matrix strength. A dimensionless number derived from previous field data which relates to the strength of the rock.
MTI	-	The mud temperature in, in degrees centigrade.
MTO	-	Mud temperature out, in degrees centigrade.
MRO	-	The mud resistivity out, in ohm-metres.
YPM	-	The yield point of the mud in lbs/100 sq. ft.
PVM	-	The Plastic viscosity of the mud in centipoise.
MVI	-	The mud flow rate in gallons per minute, computed from the pump rate and pump output.
MDOV	-	The mud density override setting.

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	64										
				NEW BIT ID:	2						
210.0	3: 5	2.38	11	16	.00	.30	0	0	1101	.0	2
212.0	3: 5	2.04	11	16	.00	.30	0	0	1105	.0	2
214.0	3: 6	2.22	11	15	.00	.30	0	0	1106	.0	2
218.0	3:13	2.45	11	15	.00	.30	0	0	1111	.0	1
220.0	3:13	1.93	11	15	.00	.30	0	0	1029	.0	2
222.0	3:14	1.86	11	15	.00	.30	0	0	1033	.0	2
224.0	3:14	1.94	11	15	.00	.30	0	0	1033	.0	2
226.0	3:15	2.24	11	15	.00	.30	0	0	1031	.0	2
228.0	3:26	2.46	11	15	.00	.30	0	0	1034	.0	2
230.0	3:26	2.32	11	15	.00	.30	0	0	1051	.0	2
	87										
232.0	3:27	2.16	11	15	.00	.30	0	0	1057	.0	2
234.0	3:27	2.10	11	15	.00	.30	0	0	1054	.0	2
238.0	3:34	1.74	12	15	.00	.30	0	0	1047	.0	1
240.0	3:34	1.88	12	15	.00	.30	0	0	1043	.0	2
242.0	3:34	1.77	12	15	.00	.30	0	0	1045	.0	2
244.0	3:35	2.23	12	15	.00	.30	0	0	1045	.0	2
248.0	3:46	2.18	12	15	.00	.30	0	0	1046	.0	3
250.0	3:46	2.44	13	15	.00	.30	0	0	1032	.0	2
252.0	3:47	2.43	13	16	.00	.30	0	0	1032	.0	2
254.0	3:48	2.35	13	16	.00	.31	0	0	1032	.0	2
	107										
258.0	3:56	2.04	13	16	.00	.37	0	0	1049	.0	2
260.0	3:57	2.33	13	16	.00	.39	0	0	1055	.0	2
262.0	3:58	2.15	13	16	.00	.39	0	0	1057	.0	2
264.0	3:59	2.18	13	16	.00	.39	0	0	1059	.0	2
266.0	4: 6	2.32	13	16	.00	.39	0	0	1062	.0	2
268.0	4: 6	2.09	14	16	.00	.39	0	0	1079	.0	2
270.0	4: 8	2.31	14	16	.00	.40	0	0	1084	.0	2
272.0	4: 8	2.14	14	16	.00	.40	0	0	1084	.0	2
274.0	4: 8	2.11	14	17	.00	.40	0	0	1089	.0	2
276.0	4:15	2.16	14	17	.00	.40	0	0	1068	.0	1
	126										
278.0	4:16	2.23	14	17	.00	.42	0	0	1049	.0	2
280.0	4:17	2.19	14	17	.00	.43	0	0	1049	.0	2
282.0	4:18	2.13	14	17	.00	.44	0	0	1054	.0	2
284.0	4:19	2.30	14	17	.00	.44	0	0	1054	.0	2
286.0	4:27	2.05	14	18	.00	.39	0	0	1041	.0	2
288.0	4:27	2.23	15	18	.00	.41	0	0	1041	.0	2
290.0	4:28	2.08	15	18	.00	.42	0	0	1041	.0	2
292.0	4:28	1.99	15	18	.00	.43	0	0	1045	.0	2
294.0	4:29	2.01	15	18	.00	.43	0	0	1042	.0	2
296.0	4:37	2.29	15	18	.00	.39	0	0	1045	.0	2
	146										
298.0	4:37	2.30	15	18	.00	.35	0	0	1049	.0	2
300.0	4:38	2.25	15	18	.00	.36	0	0	1051	.0	2
308.0	4:46	1.94	15	18	.00	.35	0	0	1052	.0	2
310.0	4:47	2.23	15	19	.00	.32	0	0	1059	.0	2
314.0	4:55	1.93	15	19	.00	.32	0	0	1053	.0	1
316.0	4:55	2.19	14	18	.00	.31	0	0	1041	.0	2
318.0	4:55	2.04	15	19	.00	.32	0	0	1040	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
159											
320.0	4:56	2.12	15	19	.00	.32	0	0	1045	.0	2
322.0	4:56	2.44	15	19	.00	.32	0	0	1045	.0	2
324.0	5: 4	2.27	15	19	.00	.32	0	0	1058	.0	1
326.0	5: 4	2.36	15	19	.00	.31	1	1	1192	.0	2
328.0	5: 5	2.10	15	19	.00	.31	2	1	1291	.0	2
330.0	5: 5	2.26	15	19	.00	.32	2	1	1291	.0	2
332.0	5: 6	2.29	15	19	.00	.32	2	1	1291	.0	2
334.0	5:13	2.30	15	19	.00	.31	2	1	1264	.0	2
336.0	5:14	2.44	15	19	.00	.31	2	1	1248	.0	2
338.0	5:15	2.79	16	19	.00	.31	2	1	1248	.0	2
178											
340.0	5:15	2.66	16	19	.00	.32	2	1	1248	.0	2
344.0	5:23	2.36	15	19	.00	.32	2	1	1240	.0	3
346.0	5:24	2.49	14	19	.00	.31	2	1	1233	.0	2
348.0	5:24	2.41	14	20	.00	.32	2	1	1236	.0	2
350.0	5:25	2.43	14	20	.00	.33	2	1	1236	.0	2
352.0	5:33	2.51	14	20	.00	.33	2	1	1236	.0	2
354.0	5:33	1.94	15	20	.00	.31	2	1	1318	.0	2
356.0	5:34	2.69	15	19	.00	.31	2	1	1323	.0	2
358.0	5:35	2.52	15	20	.00	.32	2	1	1327	.0	2
360.0	5:36	2.60	15	20	.00	.33	2	1	1327	.0	2
199											
362.0	5:45	2.51	15	20	.00	.33	2	1	1324	.0	2
364.0	5:46	2.51	16	20	.00	.31	2	1	1305	.0	2
366.0	5:47	2.70	16	20	.00	.32	2	1	1305	.0	2
368.0	5:47	2.60	16	20	.00	.33	2	1	1308	.0	2
372.0	5:54	2.59	16	19	.00	.34	2	1	1310	.0	2
374.0	5:54	2.73	15	20	.00	.31	2	1	1343	.0	2
376.0	5:55	2.38	15	20	.00	.31	2	1	1347	.0	2
378.0	5:56	2.46	15	20	.00	.32	2	1	1349	.0	2
380.0	5:57	2.55	15	20	.00	.33	2	1	1352	.0	2
382.0	6: 3	2.35	15	20	.00	.33	2	1	1357	.0	2
219											
384.0	6: 3	2.69	15	20	.00	.31	2	1	1330	.0	2
386.0	6: 4	2.69	15	20	.00	.31	2	1	1295	.0	2
388.0	6: 4	2.68	15	20	.00	.31	2	1	1285	.0	2
390.0	6: 5	2.56	15	20	.00	.31	2	1	1285	.0	2
392.0	6:11	2.78	15	20	.00	.31	2	1	1285	.0	2
394.0	6:12	2.83	14	20	.00	.31	2	1	1288	.0	2
396.0	6:12	2.75	14	20	.00	.31	2	1	1290	.0	2
398.0	6:13	2.70	14	20	.00	.31	2	1	1290	.0	2
400.0	6:20	2.85	14	20	.00	.31	2	1	1286	.0	2
402.0	6:20	2.97	15	20	.00	.31	2	1	1249	.0	2
239											
404.0	6:21	2.93	14	20	.00	.31	2	1	1251	.0	2
406.0	6:22	2.72	14	20	.00	.31	2	1	1251	.0	2
408.0	6:23	2.66	15	20	.00	.31	2	1	1251	.0	2
410.0	6:28	2.70	15	20	.00	.31	2	1	1253	.0	2
412.0	6:29	2.58	14	20	.00	.31	2	1	1250	.0	2
414.0	6:30	2.29	15	20	.00	.31	2	1	1255	.0	2
416.0	6:30	2.68	14	20	.00	.31	2	1	1261	.0	2
418.0	6:31	2.54	14	20	.00	.31	2	1	1263	.0	2
420.0	6:37	2.18	14	20	.00	.31	2	1	1258	.0	2
422.0	6:37	2.66	14	20	.00	.31	2	1	1249	.0	2
259											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
259											
424.0	6:38	2.48	14	20	.00	.31	2	1	1251	.0	2
426.0	6:39	2.52	14	20	.00	.31	2	1	1251	.0	2
428.0	6:39	2.60	14	20	.00	.31	2	1	1251	.0	2
430.0	6:45	2.58	14	20	.00	.31	3	2	1231	.0	2
432.0	6:46	2.54	14	20	.00	.31	3	2	1209	.0	2
434.0	6:46	2.59	14	20	.00	.31	3	2	1183	.0	2
436.0	6:48	2.51	14	20	.00	.31	3	2	1183	.0	2
440.0	6:55	2.83	14	19	.00	.31	3	2	1215	.0	3
442.0	6:56	3.08	14	19	.00	.31	3	2	1244	.0	2
444.0	6:57	3.00	14	19	.00	.32	3	2	1244	.0	2
280											
446.0	7: 3	3.08	14	19	.00	.32	3	2	1249	.0	2
448.0	7: 4	3.15	14	19	.00	.31	3	2	1255	.0	2
450.0	7: 5	2.97	14	19	.00	.31	3	2	1261	.0	2
452.0	7: 6	2.99	14	19	.00	.32	3	2	1264	.0	2
454.0	7: 7	2.84	14	19	.00	.34	3	2	1266	.0	2
458.0	7:17	2.90	15	19	.00	.34	3	2	1251	.0	2
460.0	7:18	3.02	15	19	.00	.32	3	2	1217	.0	2
462.0	7:19	3.11	15	19	.00	.34	3	2	1217	.0	2
468.0	7:28	3.12	15	19	.00	.35	3	2	1219	.0	3
470.0	7:29	3.03	14	19	.00	.31	3	2	1228	.0	2
301											
472.0	7:30	2.99	14	19	.00	.31	3	2	1231	.0	2
474.0	7:32	3.12	14	19	.00	.32	3	2	1231	.0	2
478.0	8: 4	3.04	14	19	.00	.35	3	2	1224	.0	3
480.0	8: 6	3.22	14	18	.00	.39	3	2	1217	.0	2
482.0	8: 8	3.18	15	18	.00	.39	3	2	1221	.0	2
484.0	8:10	3.22	15	18	.00	.39	3	2	1221	.0	2
486.0	8:12	3.24	15	18	.00	.39	3	2	1227	.0	2
488.0	8:59	3.34	15	19	.00	.32	3	2	1222	.0	2
500.0	9:13	2.97	16	18	.00	.38	3	2	1219	.0	2
502.0	9:15	2.82	16	18	.00	.38	3	2	1229	.0	2
322											
504.0	9:17	3.11	16	18	.00	.38	3	2	1233	.0	2
506.0	9:30	3.18	16	19	.00	.38	3	2	1225	.0	2
508.0	9:32	3.46	17	20	.00	.37	3	2	1245	.0	2
516.0	9:45	3.09	17	20	.00	.37	3	2	1243	.0	3
518.0	9:46	3.08	17	20	.00	.37	3	2	1288	.0	2
520.0	9:47	3.16	17	20	.00	.37	3	2	1288	.0	2
522.0	9:48	3.23	17	20	.00	.37	3	2	1288	.0	2
524.0	9:49	3.24	18	20	.00	.37	3	2	1286	.0	2
526.0	10: 2	3.35	18	21	.00	.38	3	2	1216	.0	2
528.0	10: 4	3.37	18	21	.00	.38	3	2	1240	.0	2
343											
530.0	10: 6	3.38	18	21	.00	.38	3	2	1240	.0	2
532.0	10: 7	3.51	18	21	.00	.38	3	2	1223	.0	2
534.0	10:10	3.49	18	21	.00	.38	3	2	1223	.0	2
536.0	10:18	3.44	19	21	.00	.37	3	2	1234	.0	2
538.0	10:26	3.48	19	22	.00	.37	3	2	1240	.0	2
540.0	10:30	3.46	19	22	.00	.37	3	2	1247	.0	1
544.0	10:35	3.38	19	22	.00	.35	3	2	1240	.0	1
546.0	10:37	3.40	20	22	.00	.36	3	2	1278	.0	2
548.0	10:39	3.39	20	22	.00	.36	3	2	1281	.0	2
554.0	10:48	3.28	20	22	.00	.36	3	2	1284	.0	2
361											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
361											
564.0	10:55	3.07	20	23	.00	.35	3	2	1229	.0	3
566.0	10:56	3.01	20	23	.00	.35	4	3	1257	.0	2
568.0	10:57	3.01	20	23	.00	.35	4	3	1248	.0	2
574.0	11: 4	2.87	20	23	.00	.35	4	3	1250	.0	3
576.0	11: 5	2.82	20	23	.00	.35	4	3	1257	.0	2
578.0	11: 6	2.83	20	23	.00	.35	4	3	1260	.0	2
584.0	11:13	2.83	20	23	.00	.36	4	3	1204	.0	2
592.0	11:20	2.83	20	23	.00	.36	4	3	1210	.0	2
594.0	11:21	2.89	21	24	.00	.34	4	3	1237	.0	2
598.0	11:28	2.97	21	23	.00	.34	4	3	1243	.0	2
383											
612.0	11:40	2.71	21	23	.00	.35	4	3	1162	.0	1
616.0	11:41	2.76	21	24	.00	.36	4	3	1178	.0	3
618.0	11:41	2.88	21	24	.00	.36	4	3	1164	.0	2
622.0	11:48	2.91	21	23	.00	.37	4	3	1138	.0	3
624.0	11:48	2.92	21	23	.00	.38	4	3	1188	.0	2
626.0	11:48	2.94	21	23	.00	.38	4	3	1188	.0	2
628.0	11:49	2.95	21	23	.00	.38	4	3	1185	.0	1
630.0	11:49	2.94	21	24	.00	.38	4	3	1185	.0	2
632.0	12: 0	3.02	21	24	.00	.41	4	3	1197	.0	2
634.0	12: 0	3.06	22	23	.00	.44	4	3	1206	.0	2
403											
636.0	12: 1	3.12	22	24	.00	.44	4	3	1206	.0	2
638.0	12: 2	3.14	22	24	.00	.44	4	3	1209	.0	2
650.0	12:27	2.95	21	25	.00	.44	4	3	1174	.0	2
652.0	12:29	3.21	20	25	.00	.47	4	3	1110	.0	1
654.0	12:29	3.19	20	25	.00	.47	4	3	1119	.0	2
656.0	12:30	3.22	19	24	.00	.47	4	3	1137	.0	2
658.0	12:31	3.25	19	25	.00	.47	4	3	1137	.0	2
660.0	12:44	3.29	19	25	.00	.43	4	3	1098	.0	2
662.0	12:45	3.14	19	24	.00	.39	4	3	1078	.0	1
664.0	12:46	3.13	19	24	.00	.40	4	3	1126	.0	2
421											
666.0	12:47	3.06	19	25	.00	.40	4	3	1130	.0	2
670.0	13:17	3.06	20	24	.00	.39	4	3	1145	.0	2
672.0	13:19	2.96	22	24	.00	.39	4	3	1161	.0	2
674.0	13:20	2.95	22	25	.00	.39	4	3	1163	.0	2
676.0	13:22	2.92	22	25	.00	.40	4	3	1163	.0	2
680.0	13:30	2.88	22	24	.00	.36	4	3	1159	.0	3
682.0	13:32	2.94	22	24	.00	.33	4	3	1163	.0	2
684.0	13:34	3.01	22	24	.00	.33	4	3	1163	.0	2
686.0	13:37	3.03	22	24	.00	.33	4	3	1163	.0	2
688.0	13:45	3.06	22	25	.00	.33	4	3	1158	.0	2
442											
690.0	13:47	3.08	22	25	.00	.31	4	3	1087	.0	2
692.0	13:50	3.13	22	25	.00	.31	4	3	1087	.0	2
694.0	13:53	3.12	22	25	.00	.33	4	3	1089	.0	2
696.0	13:55	3.02	22	26	.00	.33	4	3	1090	.0	2
698.0	14: 4	3.09	21	26	.00	.33	4	3	1117	.0	2
700.0	14: 6	2.92	21	25	.00	.33	4	3	1217	.0	2
702.0	14: 8	3.00	21	26	.00	.34	4	3	1219	.0	2
704.0	14:10	3.01	21	26	.00	.34	4	3	1217	.0	2
706.0	14:14	3.22	21	26	.00	.34	4	3	1218	.0	2
708.0	14:23	3.12	21	25	.00	.34	4	3	1241	.0	2
462											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
462											
710.0	14:25	3.08	21	25	.00	.34	4	3	1260	.0	2
712.0	14:27	3.00	21	25	.00	.34	4	3	1265	.0	2
714.0	14:29	3.01	21	25	.00	.34	4	3	1267	.0	2
716.0	14:33	3.23	20	25	.00	.34	4	3	1267	.0	2
718.0	14:43	3.22	20	25	.00	.34	4	3	1247	.0	2
720.0	14:46	3.14	19	25	.00	.34	4	3	1235	.0	2
722.0	14:49	3.14	20	25	.00	.34	4	3	1235	.0	2
724.0	14:52	3.18	20	25	.00	.34	4	3	1235	.0	2
728.0	15: 5	3.11	20	25	.00	.34	4	3	1235	.0	3
730.0	15: 8	3.24	21	25	.00	.34	4	3	1235	.0	2
483											
732.0	15:13	3.31	21	25	.00	.35	4	3	1235	.0	2
734.0	15:17	3.39	21	25	.00	.35	4	3	1235	.0	2
736.0	15:27	3.33	21	25	.00	.34	4	3	1210	.0	2
738.0	15:31	3.36	22	25	.00	.34	4	3	1201	.0	2
740.0	15:36	3.45	22	26	.00	.34	4	3	1210	.0	2
742.0	15:41	3.47	22	26	.00	.34	4	3	1212	.0	2
744.0	15:46	3.30	23	26	.00	.34	4	3	1213	.0	2
746.0	15:55	3.32	23	26	.00	.34	4	3	1268	.0	2
748.0	15:57	3.18	23	26	.00	.34	4	3	1293	.0	2
750.0	16: 0	3.22	23	26	.00	.34	4	3	1293	.0	2
503											
752.0	16: 2	3.07	23	26	.00	.34	4	3	1293	.0	2
754.0	16: 4	3.11	23	27	.00	.34	4	3	1293	.0	2
756.0	16:13	3.26	24	26	.00	.33	4	3	1216	.0	2
758.0	16:15	3.16	24	27	.00	.33	4	3	1220	.0	2
760.0	16:18	3.23	24	27	.00	.33	4	3	1220	.0	2
762.0	16:20	3.14	24	27	.00	.33	4	3	1223	.0	2
764.0	16:29	3.07	24	27	.00	.33	4	3	1216	.0	2
766.0	16:30	3.06	24	27	.00	.32	4	3	1181	.0	2
768.0	16:32	3.08	24	27	.00	.32	4	3	1184	.0	2
770.0	16:34	3.00	25	28	.00	.32	4	3	1184	.0	2
523											
772.0	16:35	2.79	25	28	.00	.33	4	3	1184	.0	2
776.0	16:43	2.79	25	28	.00	.32	4	3	1226	.0	3
778.0	16:45	2.92	25	28	.00	.32	4	3	1283	.0	2
780.0	16:46	2.92	25	28	.00	.32	4	3	1283	.0	2
782.0	16:47	2.91	25	28	.00	.33	4	3	1283	.0	2
786.0	16:57	2.83	24	28	.00	.32	4	3	1273	.0	1
788.0	16:58	3.15	24	28	.00	.32	4	3	1246	.0	2
790.0	17: 0	3.08	24	28	.00	.33	4	3	1250	.0	2
792.0	17: 1	3.02	24	28	.00	.33	4	3	1250	.0	2
794.0	17: 9	3.01	24	28	.00	.32	4	3	1248	.0	2
543											
796.0	17:11	3.00	24	28	.00	.32	4	3	1246	.0	2
798.0	17:12	3.14	24	28	.00	.32	4	3	1249	.0	2
800.0	17:13	2.99	24	28	.00	.32	4	3	1252	.0	2
804.0	17:20	2.58	24	28	.00	.33	4	3	1226	.0	3
806.0	17:21	2.96	24	28	.00	.33	4	3	1161	.0	2
808.0	17:22	2.80	25	28	.00	.34	4	3	1162	.0	2
810.0	17:23	3.02	25	28	.00	.34	4	3	1164	.0	2
812.0	17:24	2.66	25	28	.00	.34	4	3	1164	.0	2
814.0	17:30	2.73	25	29	.00	.32	4	3	1169	.0	2
816.0	17:31	3.06	25	28	.00	.33	4	3	1169	.0	2
564											

DEPTH	TIME	RS	MTI	MTO	MRI	MFO	YPM	PVM	MVI	MDOV RECDS	
564											
818.0	17:33	3.25	25	28	.00	.33	4	3	1169	.0	2
820.0	17:35	3.01	25	28	.00	.34	4	3	1169	.0	2
822.0	17:40	2.85	25	28	.00	.34	4	3	1175	.0	2
824.0	17:41	2.99	24	28	.00	.32	4	3	1207	.0	2
828.0	17:45	2.71	24	28	.00	.33	4	3	1194	.0	3
830.0	17:47	3.40	24	28	.00	.33	4	3	1193	.0	2
834.0	17:56	3.36	24	28	.00	.33	4	3	1196	.0	2
836.0	17:58	3.36	24	28	.00	.33	4	3	1194	.0	2
838.0	18: 1	3.44	24	28	.00	.33	4	3	1198	.0	2
840.0	18: 3	3.40	25	28	.00	.33	4	3	1199	.0	2
585											
842.0	18:13	3.52	25	29	.00	.33	4	3	1205	.0	2
844.0	18:17	3.50	25	29	.00	.35	4	3	1250	.0	2
846.0	18:20	3.52	25	29	.00	.35	4	3	1250	.0	2
848.0	18:24	3.61	24	29	.00	.35	4	3	1250	.0	2
850.0	18:27	3.55	23	29	.00	.35	4	3	1250	.0	2
852.0	18:37	3.53	22	29	.00	.34	4	3	1250	.0	2
854.0	18:40	3.49	23	29	.00	.33	4	3	1248	.0	2
856.0	18:42	3.38	23	29	.00	.34	4	3	1246	.0	2
858.0	18:45	3.44	23	29	.00	.34	4	3	1246	.0	2
860.0	18:46	3.20	23	29	.00	.34	4	3	1246	.0	2
605											
862.0	18:55	3.36	23	29	.00	.33	4	3	1254	.0	2
864.0	18:57	3.11	24	29	.00	.32	4	3	1254	.0	2
866.0	18:59	3.15	24	29	.00	.32	4	3	1256	.0	2
868.0	19: 0	2.84	24	28	.00	.32	4	3	1258	.0	2
870.0	19: 6	2.53	24	28	.00	.32	4	3	1258	.0	2
872.0	19: 7	2.78	24	27	.00	.31	4	3	1227	.0	2
874.0	19:10	3.34	24	27	.00	.32	4	3	1227	.0	2
876.0	19:13	3.41	24	26	.00	.32	4	3	1227	.0	2
878.0	19:16	3.50	24	26	.00	.32	4	3	1227	.0	2
880.0	19:26	3.30	24	26	.00	.31	4	3	1255	.0	2
625											
882.0	19:31	3.55	24	26	.00	.32	4	3	1269	.0	2
884.0	19:34	3.46	24	26	.00	.32	4	3	1271	.0	2
886.0	19:38	3.50	24	27	.00	.32	4	3	1271	.0	2
888.0	19:48	3.60	24	28	.00	.33	4	3	1271	.0	2
890.0	19:54	3.76	24	28	.00	.34	4	3	1271	.0	2
892.0	19:58	3.67	25	29	.00	.34	4	3	1275	.0	2
894.0	20: 2	3.61	25	29	.00	.34	4	3	1275	.0	2
896.0	20: 6	3.64	25	29	.00	.34	4	3	1275	.0	2
898.0	20:20	3.86	25	29	.00	.33	4	3	1269	.0	2
900.0	20:27	3.82	25	29	.00	.32	4	3	1252	.0	2
645											
902.0	20:33	3.80	26	29	.00	.32	4	3	1254	.0	2
904.0	20:41	3.90	26	29	.00	.33	4	3	1254	.0	2
906.0	20:49	3.92	26	30	.00	.33	4	3	1254	.0	2
908.0	21: 6	3.99	26	30	.00	.32	4	3	1259	.0	2
910.0	21:14	3.86	26	30	.00	.32	4	3	1265	.0	2
912.0	21:18	3.67	26	30	.00	.32	4	3	1265	.0	2
914.0	21:23	3.72	26	30	.00	.32	4	3	1265	.0	2
916.0	21:28	3.74	27	30	.00	.32	4	3	1265	.0	2
922.0	21:51	3.68	27	31	.00	.32	5	4	1243	.0	2
924.0	21:56	3.75	28	31	.00	.32	6	4	1235	.0	2
665											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
665											
928.0	22:18	3.97	29	32	.00	.32	6	4	1230	.0	3
930.0	22:26	3.93	29	32	.00	.32	6	4	1227	.0	2
932.0	22:37	4.07	30	33	.00	.32	6	4	1229	.0	2
934.0	22:48	4.11	30	33	.00	.32	8	5	1232	.0	2
936.0	22:59	4.05	30	33	.00	.32	10	5	1235	.0	2
938.0	23:16	3.83	31	34	.00	.31	10	5	1241	.0	2
940.0	23:23	3.91	31	34	.00	.32	10	5	1256	.0	2
942.0	23:30	3.96	31	34	.00	.32	10	5	1257	.0	2
944.0	23:35	3.85	31	34	.00	.32	10	5	1247	.0	2
946.0	23:47	3.88	31	34	.00	.32	10	5	1236	.0	2
686											
948.0	23:53	3.76	31	34	.00	.32	10	5	1207	.0	2
950.0	23:58	3.70	31	34	.00	.32	10	5	1209	.0	2
952.0	0: 2	3.67	31	34	.00	.32	10	5	1211	.0	2
954.0	0: 8	3.78	32	34	.00	.32	10	5	1211	.0	2
956.0	0:21	3.98	32	34	.00	.31	10	5	1222	.0	2
958.0	0:30	4.02	32	34	.00	.31	10	5	1229	.0	2
960.0	0:37	3.98	32	34	.00	.32	10	5	1229	.0	2
962.0	0:46	4.05	32	34	.00	.32	10	5	1229	.0	2
964.0	0:54	4.04	33	35	.00	.32	10	5	1221	.0	2
966.0	1: 3	3.54	33	35	.00	.31	10	5	1224	.0	2
706											
968.0	1: 7	3.73	33	35	.00	.31	10	5	1231	.0	2
970.0	1:12	3.71	33	35	.00	.31	10	5	1215	.0	2
972.0	1:15	3.70	33	35	.00	.31	10	5	1213	.0	2
974.0	1:20	3.79	33	35	.00	.31	10	5	1213	.0	2
976.0	1:31	3.68	33	35	.00	.31	10	5	1216	.0	2
978.0	1:35	3.74	33	36	.00	.31	10	5	1219	.0	2
980.0	1:39	3.76	33	36	.00	.31	10	5	1219	.0	2
982.0	1:45	3.88	33	36	.00	.31	10	5	1219	.0	2
984.0	1:55	3.73	33	36	.00	.31	10	5	1225	.0	1
986.0	2: 0	3.83	33	36	.00	.31	10	5	1231	.0	2
725											
988.0	2: 5	3.87	33	36	.00	.31	10	5	1236	.0	2
990.0	2:14	4.10	33	36	.00	.31	10	5	1236	.0	2
NEW BIT ID: 3											
998.0	8: 1	3.83	40	39	.00	.31	11	7	1127	.0	2
1000.0	8: 7	3.64	40	41	.00	.31	11	7	1123	.0	2
1002.0	9:45	3.78	40	41	.00	.31	11	7	1133	.0	2
1004.0	9:49	3.68	39	41	.00	.31	11	7	1152	.0	2
1006.0	9:56	3.84	40	41	.00	.31	11	7	1152	.0	2
748											
1008.0	10: 1	3.80	40	41	.00	.31	11	7	1152	.0	2
1016.0	10:25	3.72	40	40	.00	.31	11	7	1154	.0	2
1018.0	10:29	3.80	39	40	.00	.31	11	7	1153	.0	2
1020.0	10:42	3.82	39	40	.00	.31	11	7	1142	.0	2
1022.0	10:47	3.83	39	40	.00	.31	11	7	1135	.0	2
1024.0	10:51	3.68	40	40	.00	.31	11	7	1135	.0	2
1026.0	10:55	3.69	40	40	.00	.31	11	7	1133	.0	2
1028.0	10:58	3.61	40	41	.00	.31	11	7	1132	.0	2
1030.0	11:14	3.66	40	41	.00	.31	11	7	1136	.0	2
1032.0	11:18	3.80	40	41	.00	.31	11	7	1129	.0	2
768											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS	
768												
1034.0	11:23	3.70	40	42	.00	.31	11	7	1109	.0		2
1036.0	11:27	3.73	41	42	.00	.31	11	7	1109	.0		2
1038.0	11:33	3.70	41	42	.00	.31	11	7	1109	.0		2
1040.0	11:47	3.93	41	42	.00	.31	11	7	840	.0		2
1042.0	11:53	3.84	41	42	.00	.32	11	7	1056	.0		2
1044.0	11:58	3.86	41	42	.00	.33	11	7	1106	.0		2
1046.0	12: 2	3.69	41	42	.00	.33	11	7	1105	.0		2
1050.0	12:16	3.70	42	42	.00	.33	11	7	1105	.0		3
1052.0	12:20	3.70	42	42	.00	.34	11	7	1106	.0		2
1054.0	12:24	3.75	42	42	.00	.34	11	7	1106	.0		2
789												
1056.0	12:28	3.70	42	43	.00	.34	11	7	1106	.0		2
1058.0	12:41	3.90	43	43	.00	.34	11	7	1106	.0		2
1060.0	12:44	3.74	43	43	.00	.35	11	7	1101	.0		2
1062.0	12:46	3.69	43	44	.00	.35	11	7	1099	.0		2
1064.0	12:50	3.77	43	44	.00	.35	11	7	1098	.0		2
1066.0	12:57	4.03	43	45	.00	.35	11	7	1089	.0		2
1068.0	13:14	4.03	43	45	.00	.35	11	7	1083	.0		2
1070.0	13:22	4.04	44	46	.00	.35	11	7	1092	.0		2
1072.0	13:27	3.82	44	46	.00	.35	11	7	1098	.0		2
1074.0	13:34	3.89	45	46	.00	.35	11	7	1100	.0		2
809												
1076.0	13:38	3.70	45	46	.00	.35	11	7	1100	.0		2
1078.0	13:49	3.89	45	46	.00	.35	11	7	1079	.0		2
1080.0	13:51	3.57	45	47	.00	.35	11	7	1089	.0		2
1082.0	13:55	3.76	46	47	.00	.35	11	7	1095	.0		2
1084.0	13:58	3.62	46	47	.00	.35	11	7	1095	.0		2
1086.0	14: 1	3.64	46	47	.00	.35	11	7	1096	.0		2
1088.0	14: 9	3.52	46	47	.00	.34	11	7	1106	.0		2
1090.0	14:13	3.83	46	47	.00	.34	11	7	1115	.0		2
1092.0	14:16	3.66	47	47	.00	.34	11	7	1115	.0		2
1094.0	14:26	3.81	47	48	.00	.34	11	7	1115	.0		2
829												
1096.0	14:29	3.72	47	48	.00	.34	11	7	1115	.0		2
1098.0	14:33	3.70	47	48	.00	.34	11	7	1109	.0		2
1100.0	14:36	3.52	47	48	.00	.34	11	7	1109	.0		2
1102.0	14:38	3.52	47	48	.00	.34	11	7	1109	.0		2
1104.0	14:40	3.53	47	48	.00	.34	11	7	1109	.0		2
1106.0	14:48	3.54	48	48	.00	.34	11	7	1109	.0		2
1108.0	14:51	3.58	48	48	.00	.34	11	7	1091	.0		2
1110.0	14:54	3.66	48	48	.00	.34	11	7	1091	.0		2
1112.0	14:56	3.56	48	48	.00	.34	11	7	1091	.0		2
1114.0	14:59	3.60	48	48	.00	.34	11	7	1091	.0		2
849												
1116.0	15: 7	3.57	48	48	.00	.34	11	7	1099	.0		2
1118.0	15:10	3.61	48	48	.00	.34	11	7	1114	.0		2
1120.0	15:12	3.64	48	48	.00	.34	11	7	1103	.0		2
1122.0	15:16	3.71	48	49	.00	.34	11	7	1097	.0		2
1124.0	15:19	3.68	48	49	.00	.34	11	7	1097	.0		2
1126.0	15:26	3.53	48	49	.00	.34	11	7	1107	.0		2
1128.0	15:29	3.55	48	49	.00	.34	11	7	1111	.0		2
1130.0	15:31	3.56	48	49	.00	.34	11	7	1111	.0		2
1132.0	15:35	3.71	48	49	.00	.34	11	7	1113	.0		2
1134.0	15:38	3.76	48	50	.00	.34	11	7	1114	.0		2
869												

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
869											
1136.0	15:48	3.71	48	50	.00	.34	11	7	1114	.0	2
1138.0	15:51	3.62	48	50	.00	.35	11	7	1114	.0	2
1140.0	15:55	3.80	48	50	.00	.35	11	7	1114	.0	2
1142.0	15:59	3.79	48	50	.00	.35	11	7	1114	.0	2
1144.0	16: 1	3.59	48	50	.00	.35	11	7	1114	.0	2
1146.0	16:10	3.65	48	50	.00	.35	11	7	1106	.0	2
1148.0	16:13	3.64	48	50	.00	.35	11	7	1103	.0	2
1150.0	16:16	3.67	48	50	.00	.35	11	7	1103	.0	2
1152.0	16:19	3.60	48	50	.00	.35	11	7	1103	.0	2
1154.0	16:28	3.59	49	50	.00	.35	11	7	1103	.0	2
889											
1156.0	16:31	3.72	49	50	.00	.35	11	7	1103	.0	2
1158.0	16:34	3.62	49	50	.00	.35	11	7	1103	.0	2
1160.0	16:37	3.71	49	50	.00	.35	11	7	1103	.0	2
1162.0	16:41	3.71	49	50	.00	.35	11	7	1103	.0	2
1164.0	16:49	3.64	49	51	.00	.35	11	7	1097	.0	2
1166.0	16:52	3.58	49	51	.00	.35	11	7	1088	.0	2
1168.0	16:54	3.50	49	51	.00	.35	11	7	1089	.0	2
1170.0	16:56	3.50	49	51	.00	.35	11	7	1088	.0	2
1172.0	16:58	3.45	49	51	.00	.35	11	7	1090	.0	2
1174.0	17: 6	3.49	49	51	.00	.35	11	7	1095	.0	2
909											
1176.0	17: 9	3.52	49	51	.00	.35	11	7	1070	.0	2
1178.0	17:11	3.55	49	51	.00	.35	11	7	1072	.0	2
1180.0	17:14	3.58	49	51	.00	.35	11	7	1070	.0	2
1182.0	17:16	3.49	49	51	.00	.35	11	7	1069	.0	2
1184.0	17:28	3.51	49	51	.00	.35	11	7	1086	.0	2
1186.0	17:30	3.50	49	51	.00	.35	11	7	1089	.0	2
1188.0	17:32	3.47	49	51	.00	.35	11	7	1089	.0	2
1190.0	17:35	3.51	49	51	.00	.34	11	7	1089	.0	2
1192.0	17:46	3.55	49	51	.00	.34	11	7	1085	.0	2
1194.0	17:48	3.44	49	51	.00	.35	11	7	1080	.0	2
929											
1196.0	17:51	3.53	49	51	.00	.34	11	7	1080	.0	2
1198.0	17:54	3.63	49	51	.00	.35	11	7	1080	.0	2
1200.0	17:57	3.49	49	51	.00	.35	11	7	1083	.0	2
1202.0	18: 5	3.48	49	51	.00	.35	11	7	1074	.0	2
1204.0	18: 8	3.59	48	51	.00	.35	11	7	1063	.0	2
1206.0	18:11	3.62	49	51	.00	.35	11	7	1054	.0	2
1208.0	18:15	3.63	49	51	.00	.35	11	7	1054	.0	2
1210.0	18:17	3.55	49	51	.00	.35	11	7	1054	.0	2
1212.0	18:25	3.44	49	51	.00	.35	11	7	1064	.0	2
1214.0	18:27	3.47	49	51	.00	.35	11	7	1066	.0	2
949											
1216.0	18:30	3.47	49	51	.00	.35	15	10	1047	.0	2
1218.0	18:33	3.52	49	51	.00	.35	15	10	1041	.0	2
1220.0	18:41	3.43	49	51	.00	.35	15	10	1043	.0	2
1222.0	18:44	3.50	49	51	.00	.35	15	10	1052	.0	2
1224.0	18:47	3.49	49	51	.00	.35	15	10	1048	.0	2
1226.0	18:49	3.38	49	51	.00	.35	15	10	1027	.0	2
1228.0	18:52	3.55	50	51	.00	.35	15	10	1023	.0	2
1230.0	19: 0	3.43	49	49	.00	.35	15	10	1024	.0	2
1232.0	19: 3	3.48	49	49	.00	.35	15	10	1038	.0	2
1234.0	19: 5	3.32	49	50	.00	.34	15	10	1038	.0	2
969											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV RECDS	
969											
1236.0	19: 7	3.33	49	50	.00	.34	15	10	1038	.0	2
1238.0	19:10	3.29	49	50	.00	.34	15	10	1038	.0	2
1240.0	19:18	3.33	49	50	.00	.34	15	10	1038	.0	2
1242.0	19:20	3.28	48	50	.00	.35	15	10	1028	.0	2
1244.0	19:22	3.32	48	50	.00	.34	15	10	1022	.0	2
1246.0	19:25	3.35	48	50	.00	.34	15	10	1022	.0	2
1248.0	19:28	3.30	48	49	.00	.34	15	10	1024	.0	2
1250.0	19:34	3.20	49	48	.00	.35	15	10	1032	.0	2
1252.0	19:37	3.30	49	48	.00	.35	15	10	1010	.0	2
1254.0	19:39	3.33	49	47	.00	.34	15	10	1019	.0	2
989											
1256.0	19:42	3.30	49	48	.00	.34	15	10	1037	.0	2
1258.0	19:45	3.40	49	47	.00	.34	15	10	1033	.0	2
1260.0	19:52	3.35	49	47	.00	.34	15	10	1010	.0	2
1262.0	19:55	3.43	49	48	.00	.35	15	10	1006	.0	2
1264.0	19:58	3.41	49	47	.00	.35	15	10	1006	.0	2
1266.0	20: 0	3.40	49	47	.00	.35	15	10	1004	.0	2
1270.0	20:10	3.28	49	46	.00	.35	15	10	1017	.0	3
1272.0	20:12	3.31	49	45	.00	.35	15	10	1033	.0	2
1274.0	20:15	3.40	49	46	.00	.35	15	10	1029	.0	2
1276.0	20:18	3.44	49	47	.00	.35	15	10	1029	.0	2
1010											
1278.0	20:27	3.35	49	47	.00	.35	15	10	1026	.0	2
1280.0	20:29	3.34	49	44	.00	.35	15	10	1014	.0	2
1282.0	20:31	3.35	48	45	.00	.35	15	10	1014	.0	2
1284.0	20:33	3.31	48	45	.00	.35	15	10	1013	.0	2
1286.0	20:36	3.36	48	46	.00	.35	15	10	1011	.0	2
1288.0	20:47	3.13	49	46	.00	.34	15	10	1013	.0	2
1290.0	20:50	3.11	49	47	.00	.32	15	10	1021	.0	2
1292.0	20:53	2.99	49	46	.00	.32	15	10	1036	.0	2
1294.0	20:56	3.22	48	46	.00	.32	15	10	960	.0	2
1296.0	21: 1	3.27	49	49	.00	.32	15	10	711	.0	2
1030											
1298.0	21:11	2.95	48	46	.00	.32	15	10	941	.0	2
1300.0	21:16	3.15	48	45	.00	.32	15	10	1026	.0	2
1302.0	21:19	3.04	48	44	.00	.33	15	10	1023	.0	2
1304.0	21:23	3.06	48	45	.00	.33	15	10	1019	.0	2
1306.0	21:26	3.09	48	43	.00	.32	15	10	1019	.0	2
1308.0	3:52	3.11	37	32	.00	.35	15	10	1025	.0	2
1310.0	3:55	2.72	37	32	.00	.36	15	10	1049	.0	2
1312.0	4: 0	2.78	38	34	.00	.36	15	10	1038	.0	2
1314.0	4: 5	2.50	39	36	.00	.36	15	10	1029	.0	2
1316.0	4:18	2.37	39	36	.00	.35	15	10	1023	.0	2
1050											
1318.0	4:23	2.50	39	36	.00	.35	15	10	1018	.0	2
1320.0	4:27	2.39	39	36	.00	.35	15	10	1012	.0	2
1322.0	4:33	2.36	39	36	.00	.35	15	10	1008	.0	2
1324.0	4:39	2.50	40	36	.00	.35	15	10	1008	.0	2
1326.0	4:48	2.45	40	37	.00	.35	15	10	1002	.0	1
1328.0	4:54	2.64	40	37	.00	.35	15	10	998	.0	2
1330.0	4:59	2.69	40	37	.00	.35	15	10	1023	.0	2
1332.0	5: 4	2.71	40	38	.00	.35	15	10	1023	.0	2
1334.0	5: 8	2.86	41	39	.00	.35	15	10	1026	.0	2
1336.0	5:22	2.93	41	40	.00	.35	15	10	1030	.0	2
1069											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
1069											
1338.0	5:28	2.85	42	41	.00	.35	15	10	1043	.0	2
1340.0	5:34	2.76	43	41	.00	.35	15	10	1038	.0	2
1342.0	5:38	2.87	43	41	.00	.35	15	10	1038	.0	2
1344.0	5:41	2.59	43	42	.00	.35	15	10	1038	.0	2
1346.0	5:51	2.64	43	41	.00	.36	15	10	1035	.0	2
1348.0	5:55	2.76	43	42	.00	.37	15	10	1037	.0	2
1350.0	6: 5	2.65	44	42	.00	.34	15	10	1038	.0	2
1352.0	6: 9	2.85	44	43	.00	.34	15	10	1036	.0	2
1354.0	6:13	2.77	45	43	.00	.34	15	10	1034	.0	2
1356.0	6:31	2.74	45	43	.00	.33	15	10	998	.0	2
1089											
1358.0	6:35	2.90	45	43	.00	.33	15	10	1018	.0	2
1360.0	6:38	3.11	45	43	.00	.33	15	10	1018	.0	2
1362.0	6:41	2.90	45	43	.00	.34	15	10	1017	.0	2
1364.0	6:50	2.89	45	43	.00	.34	15	10	1015	.0	2
1366.0	6:54	2.87	45	43	.00	.34	15	10	1006	.0	2
1368.0	6:58	3.18	45	44	.00	.33	15	10	1006	.0	2
1370.0	7: 5	3.23	46	44	.00	.33	15	10	1006	.0	2
1372.0	7:12	3.48	46	44	.00	.33	15	10	1011	.0	2
1374.0	7:23	3.32	46	44	.00	.33	15	10	1015	.0	2
1376.0	7:30	3.23	46	44	.00	.33	15	10	1013	.0	2
1109											
1378.0	7:39	3.47	46	44	.00	.33	15	10	1019	.0	2
1380.0	7:51	3.73	46	43	.00	.33	15	10	1022	.0	2
1382.0	8: 1	3.56	47	43	.00	.34	15	10	1024	.0	2
1384.0	8:15	3.48	47	43	.00	.34	15	10	1010	.0	2
1386.0	8:26	3.94	47	43	.00	.34	15	10	998	.0	2
1388.0	8:37	3.77	48	44	.00	.34	15	10	996	.0	2
1390.0	8:45	3.53	49	44	.00	.34	15	10	996	.0	2
1392.0	8:53	3.53	48	45	.00	.35	15	10	996	.0	2
1394.0	9: 7	3.51	48	46	.00	.36	15	10	996	.0	2
1396.0	9:16	3.51	49	46	.00	.37	15	10	996	.0	2
1129											
1398.0	9:27	3.63	50	47	.00	.38	15	10	996	.0	2
1400.0	9:39	3.73	50	47	.00	.38	15	10	998	.0	2
1402.0	9:44	3.34	50	47	.00	.38	15	10	1000	.0	2
1403.0	10:36	3.33	50	48	.00	.39	15	10	1011	.0	1
NEW BIT ID: 101											
1412.0	21:28	3.88	49	44	.00	.44	15	10	348	.0	3
1414.0	22:16	4.13	48	42	.00	.45	15	10	379	.0	2
1416.0	22:59	4.08	44	41	.00	.46	15	10	380	.0	2
1418.0	23:46	4.26	45	41	.00	.46	15	10	364	.0	2
1420.0	0:40	4.33	45	39	.00	.46	15	10	372	.0	3
1422.0	1:36	4.34	44	40	.00	.47	15	10	370	.0	3
1155											
1424.0	2:38	4.43	41	39	.00	.46	15	10	347	.0	3
1424.8	3:21	4.75	42	40	.00	.47	15	10	337	.0	2
NEW BIT ID: 102											
1428.0	13:18	2.79	28	32	.00	.41	14	12	195	.0	3
1430.0	14: 4	3.46	29	32	.00	.43	14	12	218	.0	2

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV	RECDS
1169											
1432.0	14:16	2.72	29	30	.00	.43	14	12	221	.0	2
1434.0	14:24	2.69	29	30	.00	.42	14	12	221	.0	2
1436.0	14:33	2.72	29	30	.00	.42	14	12	225	.0	2
NEW BIT ID: 103											
1444.0	2:10	4.36	42	47	.00	.38	13	11	337	.0	2
1446.0	2:27	3.91	42	47	.00	.37	13	11	292	.0	2
1448.0	2:50	3.94	43	47	.00	.34	13	11	276	.0	2
1450.0	3:25	4.02	43	47	.00	.32	13	11	288	.0	2
1194											
1452.0	4:20	4.45	43	47	.00	.33	13	11	279	.0	2
1453.0	4:55	4.51	43	47	.00	.34	13	11	285	.0	1
NEW BIT ID: 104											
1454.0	15:19	3.75	29	30	.00	.35	13	12	202	.0	2
1456.0	16: 9	3.91	29	30	.00	.36	13	12	208	.0	4
1458.0	16:21	3.13	29	30	.00	.37	13	12	212	.0	2
1460.0	16:41	3.32	29	30	.00	.37	13	12	181	.0	2
1462.0	16:48	2.24	29	30	.00	.37	13	12	146	.0	2
1464.0	16:53	2.09	29	30	.00	.37	13	12	135	.0	2
1465.0	16:55	2.34	29	30	.00	.37	13	12	132	.0	1
NEW BIT ID: 105											
1468.0	0:47	2.96	42	43	.00	.36	13	12	148	.0	1
1221											
1470.0	1:28	3.82	43	43	.00	.37	13	12	204	.0	2
1472.0	2:14	3.95	43	43	.00	.37	13	12	210	.0	2
1474.0	2:58	4.11	43	43	.00	.38	13	12	214	.0	2
1476.0	3:37	3.98	41	42	.00	.38	13	12	219	.0	2
1478.0	4: 4	3.57	40	41	.00	.38	13	12	229	.0	2
NEW BIT ID: 4											
1494.0	0:45	3.30	47	52	.00	.40	13	11	885	.0	2
1496.0	0:50	3.20	48	55	.00	.39	13	11	840	.0	2
1244											
1498.0	1: 1	3.66	49	51	.00	.39	13	11	814	.0	2
1506.0	1:21	3.45	49	51	.00	.39	13	11	808	.0	3
1508.0	1:26	3.55	50	52	.00	.40	13	11	801	.0	2
1509.0	1:27	3.64	50	52	.00	.40	13	11	800	.0	1
NEW BIT ID: 5											
1512.0	20:52	9.68	31	31	.00	.52	13	10	746	.0	2
1514.0	20:59	3.41	31	30	.00	.52	13	10	718	.0	2
1516.0	22: 6	2.50	32	30	.00	.52	13	10	757	.0	2
1520.0	22:20	2.46	33	32	.00	.51	13	10	873	.0	3
1522.0	22:21	2.74	33	31	.00	.52	13	10	839	.0	2
1524.0	22:22	2.65	33	31	.00	.52	13	10	836	.0	2
1269											
1526.0	22:23	2.80	33	31	.00	.52	13	10	839	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS
1271										
1528.0	22:31	2.77	33	32	.00	.51	13	10	894	.0
1530.0	22:33	2.86	33	32	.00	.51	13	10	927	.0
1532.0	22:35	2.97	33	32	.00	.51	13	10	912	.0
1534.0	22:43	3.65	33	32	.00	.51	13	10	878	.0
1538.0	23:26	4.25	34	32	.00	.52	13	10	804	.0
1540.0	23:33	3.95	34	33	.00	.51	13	10	815	.0
1542.0	23:49	4.37	35	33	.00	.50	13	10	817	.0
1544.0	23:57	3.96	35	33	.00	.51	13	10	821	.0
1546.0	23:58	3.07	35	33	.00	.50	13	10	823	.0
1548.0	1: 2	2.98	37	35	.00	.47	14	10	883	.0
1290										
1550.0	1: 4	3.37	38	35	.00	.45	14	10	918	.0
1552.0	1: 8	3.64	38	35	.00	.45	14	10	908	.0
1554.0	1:10	3.51	38	35	.00	.45	14	10	906	.0
1556.0	1:38	4.45	38	36	.00	.46	14	10	909	.0
1558.0	1:43	3.81	38	35	.00	.44	14	10	930	.0
1560.0	1:47	3.74	38	36	.00	.44	14	10	930	.0
1562.0	1:51	3.72	38	36	.00	.44	14	10	930	.0
1564.0	1:53	3.15	38	36	.00	.44	14	10	930	.0
1566.0	2: 2	3.33	38	36	.00	.44	14	10	929	.0
1568.0	2: 3	3.20	38	36	.00	.44	14	10	927	.0
1312										
1570.0	2: 4	3.23	38	36	.00	.44	14	10	938	.0
1572.0	2:13	4.05	38	36	.00	.44	14	10	912	.0
1574.0	2:25	3.84	38	37	.00	.45	14	10	903	.0
1576.0	2:41	4.34	38	38	.00	.42	14	10	921	.0
1578.0	2:53	4.21	39	38	.00	.41	14	10	925	.0
1580.0	2:56	3.54	39	38	.00	.41	14	10	925	.0
1582.0	2:59	3.53	39	38	.00	.41	14	10	925	.0
1586.0	3:12	3.39	39	38	.00	.42	14	10	923	.0
1588.0	3:13	3.25	39	38	.00	.42	14	10	922	.0
1590.0	3:14	3.09	39	38	.00	.42	14	10	922	.0
1333										
1592.0	3:15	2.94	39	38	.00	.42	14	10	924	.0
1596.0	3:25	3.01	39	38	.00	.43	14	10	937	.0
1598.0	3:26	3.13	39	38	.00	.43	14	10	945	.0
1600.0	3:27	3.25	39	38	.00	.43	14	10	945	.0
1602.0	3:30	3.51	39	38	.00	.43	14	10	946	.0
1604.0	3:41	3.59	39	38	.00	.43	14	10	937	.0
1606.0	3:59	4.40	39	38	.00	.43	14	10	926	.0
1608.0	4: 7	4.05	40	39	.00	.44	14	10	926	.0
1610.0	4:10	3.56	40	39	.00	.50	14	10	923	.0
1612.0	4:20	3.84	40	39	.00	.51	14	10	920	.0
1353										
1614.0	4:27	3.94	40	40	.00	.42	14	10	903	.0
1616.0	4:40	4.27	40	41	.00	.42	14	10	908	.0
1618.0	5: 8	4.62	41	41	.00	.43	14	10	917	.0
1620.0	5:42	4.72	42	42	.00	.42	14	10	914	.0
1622.0	6:17	4.33	43	43	.00	.42	14	10	918	.0
1624.0	6:27	3.73	43	44	.00	.42	14	10	920	.0
1626.0	6:33	3.62	43	44	.00	.42	14	10	920	.0
1628.0	6:36	3.12	44	44	.00	.42	14	10	920	.0
1632.0	7:28	2.68	44	44	.00	.41	14	10	921	.0
1634.0	7:29	2.65	46	45	.00	.41	14	10	922	.0
1374										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
1374											
1636.0	7:32	3.13	46	45	.00	.41	14	10	920	.0	2
1638.0	7:34	3.36	46	45	.00	.41	14	10	920	.0	2
1640.0	7:38	3.56	46	46	.00	.41	14	10	920	.0	2
1644.0	7:51	3.47	45	45	.00	.41	14	10	913	.0	3
1646.0	7:56	3.65	45	45	.00	.41	14	10	906	.0	2
1648.0	8: 0	3.66	45	45	.00	.41	14	10	909	.0	2
1650.0	8: 7	3.90	45	46	.00	.41	14	10	911	.0	2
1654.0	8:25	3.48	45	45	.00	.42	14	10	917	.0	2
1656.0	8:28	3.40	45	45	.00	.43	14	10	920	.0	2
1658.0	8:30	3.47	45	45	.00	.42	14	10	920	.0	2
1395											
1662.0	8:43	3.55	45	45	.00	.41	14	10	929	.0	3
1664.0	8:45	3.21	45	45	.00	.41	14	10	933	.0	2
1666.0	8:51	3.74	45	45	.00	.41	14	10	934	.0	2
1668.0	8:55	3.72	45	45	.00	.41	14	10	827	.0	2
1670.0	9: 9	3.91	45	45	.00	.42	14	10	848	.0	2
1672.0	9:50	4.67	45	45	.00	.42	14	10	887	.0	2
1674.0	10:27	4.68	45	39	.00	.41	14	10	882	.0	2
1676.0	10:41	4.00	45	36	.00	.41	14	10	881	.0	2
1678.0	10:43	3.48	45	37	.00	.41	14	10	885	.0	2
1682.0	10:52	2.93	45	38	.00	.41	14	10	884	.0	3
1417											
1684.0	10:53	3.12	45	38	.00	.41	14	10	888	.0	2
1686.0	10:56	3.52	45	39	.00	.41	14	10	888	.0	2
1688.0	10:59	3.47	45	39	.00	.41	14	10	888	.0	2
1690.0	11: 9	3.51	45	39	.00	.41	14	10	891	.0	1
1692.0	11:23	4.13	45	41	.00	.41	14	10	923	.0	2
1694.0	11:56	4.65	46	44	.00	.42	14	10	883	.0	2
1696.0	12:33	4.70	46	47	.00	.41	14	10	874	.0	2
1698.0	12:46	3.85	46	48	.00	.41	14	10	868	.0	2
1700.0	12:59	3.18	46	48	.00	.41	14	10	895	.0	2
1702.0	13: 0	3.08	46	48	.00	.41	14	10	909	.0	2
1436											
1704.0	13: 2	3.20	46	48	.00	.42	14	10	910	.0	2
1706.0	13: 6	3.68	46	48	.00	.42	14	10	910	.0	2
1708.0	13:22	3.90	46	49	.00	.41	14	10	901	.0	2
1710.0	13:39	4.04	46	48	.00	.42	14	10	864	.0	2
1712.0	13:48	4.07	46	48	.00	.42	14	10	900	.0	2
1714.0	13:55	3.85	46	48	.00	.43	14	10	900	.0	2
1716.0	13:58	3.53	46	48	.00	.42	14	10	900	.0	2
1718.0	14: 8	3.37	46	49	.00	.42	14	10	900	.0	2
1720.0	14:10	3.38	46	49	.00	.42	14	10	903	.0	2
1722.0	14:14	3.57	46	48	.00	.43	14	10	878	.0	2
1456											
1724.0	14:18	3.64	46	49	.00	.42	14	10	866	.0	2
1726.0	14:24	3.83	46	49	.00	.42	14	10	859	.0	2
1732.0	14:44	3.56	46	49	.00	.42	14	10	877	.0	3
1734.0	14:48	3.63	46	49	.00	.42	14	10	890	.0	2
1736.0	14:52	3.61	46	49	.00	.42	14	10	887	.0	2
1737.0	15: 1	3.73	46	49	.00	.43	14	10	887	.0	1
NEW BIT ID: 6											
1738.0	22:27	4.26	36	42	.00	.48	14	10	794	.0	1

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV RECDS	
1473											
1740.0	22:40	4.23	38	42	.00	.47	14	11	752	.0	2
1742.0	22:49	4.03	40	42	.00	.46	14	11	738	.0	2
1744.0	22:51	3.37	40	42	.00	.47	14	11	737	.0	2
1746.0	22:55	3.61	40	41	.00	.49	14	11	736	.0	2
1748.0	23: 4	3.31	40	41	.00	.49	14	11	735	.0	1
1750.0	23: 6	3.33	39	42	.00	.47	14	11	757	.0	2
1752.0	23: 8	3.32	39	42	.00	.47	14	11	753	.0	2
1754.0	23:10	3.42	40	42	.00	.46	14	11	753	.0	2
1756.0	23:12	3.43	40	42	.00	.46	14	11	753	.0	2
1762.0	23:25	3.20	41	42	.00	.46	14	11	766	.0	1
1491											
1764.0	23:27	3.23	41	42	.00	.46	14	11	770	.0	2
1766.0	23:42	3.35	41	42	.00	.46	14	11	771	.0	2
1768.0	23:44	3.17	41	43	.00	.47	14	11	769	.0	2
1770.0	23:46	3.23	41	43	.00	.47	14	11	766	.0	2
1772.0	23:59	4.04	41	43	.00	.48	14	11	746	.0	2
1776.0	0:15	3.64	42	43	.00	.49	14	11	726	.0	3
1778.0	1:17	3.49	42	42	.00	.49	14	11	731	.0	2
1780.0	1:23	3.82	46	46	.00	.40	14	11	722	.0	2
1782.0	1:27	3.71	46	46	.00	.40	14	11	719	.0	2
1784.0	1:29	3.43	46	46	.00	.41	14	11	721	.0	2
1512											
1788.0	2:29	3.38	47	47	.00	.41	14	11	726	.0	2
1790.0	2:30	3.37	47	47	.00	.41	14	11	728	.0	2
1792.0	2:36	3.84	47	48	.00	.40	14	11	726	.0	2
1796.0	2:47	3.57	47	47	.00	.41	14	11	730	.0	3
1798.0	2:53	3.91	46	47	.00	.41	14	11	741	.0	2
1800.0	2:56	3.70	46	47	.00	.41	14	11	741	.0	2
1802.0	3: 8	4.22	46	47	.00	.41	14	11	743	.0	2
1804.0	3:28	4.31	46	47	.00	.42	14	11	740	.0	2
1806.0	3:32	3.84	46	47	.00	.42	14	11	728	.0	2
1808.0	3:42	4.08	46	48	.00	.42	14	11	728	.0	2
1533											
1810.0	3:46	3.80	46	48	.00	.42	14	11	728	.0	2
1812.0	10:33	3.58	40	40	.00	.50	14	11	720	.0	2
1816.0	10:46	3.47	40	44	.00	.48	14	11	752	.0	2
1818.0	10:48	3.39	40	45	.00	.46	14	11	782	.0	2
1820.0	10:50	3.24	40	46	.00	.46	14	11	781	.0	2
1822.0	10:52	3.31	41	46	.00	.46	14	11	772	.0	2
1824.0	11: 5	3.32	42	46	.00	.46	14	11	758	.0	1
1826.0	11: 8	3.65	42	46	.00	.46	14	11	778	.0	2
1828.0	11:12	3.65	43	46	.00	.46	14	11	774	.0	2
1830.0	11:14	3.38	43	47	.00	.46	14	11	769	.0	2
1553											
1832.0	11:17	3.47	43	47	.00	.45	14	11	762	.0	2
1836.0	11:30	3.35	44	46	.00	.49	14	11	738	.0	2
1838.0	11:33	3.54	44	47	.00	.48	14	11	733	.0	2
1840.0	11:36	3.45	44	47	.00	.47	14	11	734	.0	2
1842.0	11:49	4.07	44	47	.00	.46	14	11	737	.0	2
1844.0	12: 1	3.76	45	47	.00	.46	14	11	759	.0	2
1846.0	12: 4	3.46	45	47	.00	.46	14	11	754	.0	2
1848.0	12:17	4.19	45	46	.00	.46	14	11	757	.0	2
1850.0	12:37	4.42	45	44	.00	.45	14	11	766	.0	2
1854.0	13:11	4.16	45	39	.00	.45	14	11	766	.0	2
1574											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1574											
1856.0	13:13	3.26	46	39	.00	.45	14	11	763	.0	2
1858.0	14: 6	3.67	47	41	.00	.44	14	11	767	.0	2
1860.0	14: 9	3.47	49	47	.00	.44	14	11	767	.0	2
1862.0	14:42	4.23	49	47	.00	.44	14	11	771	.0	2
1864.0	14:51	3.84	48	43	.00	.45	14	11	746	.0	2
1865.0	14:52	3.37	48	42	.00	.45	14	11	764	.0	1
NEW BIT ID: 7											
1866.0	0:17	1.68	44	46	.00	.37	14	11	695	9.7	1
1868.0	0:21	3.58	44	46	.00	.37	14	11	708	.0	2
1870.0	0:31	3.67	45	46	.00	.38	14	11	708	.0	2
1872.0	0:35	3.59	45	46	.00	.39	14	11	710	.0	1
1595											
1874.0	0:39	3.56	45	46	.00	.39	14	11	710	.0	1
1876.0	0:41	3.35	45	46	.00	.39	14	11	710	.0	1
1878.0	0:44	3.48	45	46	.00	.39	14	11	708	.0	1
1880.0	0:50	3.69	45	46	.00	.39	14	11	708	.0	1
1882.0	1:16	3.96	45	46	.00	.40	14	11	708	.0	2
1884.0	1:26	3.66	45	47	.00	.40	14	11	708	.0	2
1886.0	1:46	3.84	46	47	.00	.41	14	11	708	.0	2
1888.0	1:55	3.80	46	48	.00	.40	14	11	707	.0	2
1890.0	2:15	3.85	47	48	.00	.40	14	11	706	.0	2
1892.0	2:50	3.41	47	49	.00	.40	14	11	699	.0	1
1610											
1894.0	2:58	3.56	48	49	.00	.40	14	11	699	.0	2
1896.0	3: 5	3.56	48	49	.00	.40	14	11	700	.0	2
1898.0	3:12	3.57	48	50	.00	.40	14	11	698	.0	2
1900.0	3:21	3.66	48	50	.00	.40	14	11	697	.0	2
1902.0	3:41	3.65	48	49	.00	.38	13	12	703	.0	2
1904.0	3:49	3.50	48	49	.00	.39	13	12	707	.0	2
1906.0	3:57	3.67	48	49	.00	.40	13	12	707	.0	2
1908.0	4: 4	3.51	48	50	.00	.40	13	12	707	.0	2
1910.0	4:20	3.55	48	49	.00	.40	13	12	707	.0	2
1916.0	4:43	3.46	48	49	.00	.40	13	12	698	.0	2
1630											
1918.0	4:51	3.65	48	50	.00	.40	13	12	698	.0	2
1920.0	5: 8	3.59	48	50	.00	.40	13	12	685	.0	2
1922.0	5:16	3.51	48	50	.00	.38	13	12	664	.0	2
1932.0	7: 6	3.41	49	51	.00	.38	13	12	690	.0	3
1934.0	7:11	3.42	50	51	.00	.38	13	12	705	.0	2
1936.0	7:17	3.42	49	51	.00	.38	13	12	705	.0	2
1938.0	7:22	3.43	49	50	.00	.39	13	12	705	.0	2
1940.0	7:43	3.65	48	50	.00	.35	13	12	705	.0	1
1942.0	7:59	3.81	48	50	.00	.38	13	12	699	.0	2
1944.0	8: 7	3.30	48	52	.00	.38	13	12	702	.0	2
1650											
1946.0	8:19	3.58	48	51	.00	.39	13	12	699	.0	2
1948.0	8:37	3.52	48	51	.00	.38	13	12	700	.0	2
1950.0	8:45	3.71	47	51	.00	.37	13	12	706	.0	2
1952.0	8:53	3.50	48	52	.00	.39	13	12	698	.0	2
1954.0	9: 9	3.75	48	52	.00	.39	13	12	702	.0	2
1956.0	9:19	3.61	48	52	.00	.39	13	12	702	.0	2
1958.0	9:31	3.41	48	53	.00	.39	13	12	708	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS
1664										
1960.0	9:37	3.47	48	53	.00	.39	13	12	690	.0
1962.0	10: 0	4.07	48	52	.00	.39	13	12	666	.0
1964.0	10: 6	3.36	48	53	.00	.40	13	12	673	.0
1966.0	10:12	3.36	48	53	.00	.40	13	12	673	.0
1970.0	10:44	3.30	48	53	.00	.40	13	12	673	.0
1972.0	10:54	3.40	48	52	.00	.40	13	12	678	.0
1974.0	11:15	4.05	48	52	.00	.40	13	12	678	.0
1976.0	12: 3	4.31	48	52	.00	.41	13	12	687	.0
1978.0	12:29	3.85	47	51	.00	.41	13	12	705	.0
1980.0	13: 0	4.13	47	50	.00	.42	13	12	703	.0
1684										
1982.0	13:32	3.80	48	45	.00	.42	13	12	699	.0
1984.0	13:38	3.21	49	45	.00	.42	13	12	699	.0
1986.0	13:56	3.08	49	46	.00	.42	13	12	700	.0
1988.0	14: 7	3.34	49	48	.00	.38	13	12	701	.0
1990.0	14:17	3.60	49	49	.00	.40	13	12	704	.0
1992.0	14:24	3.52	49	49	.00	.42	13	12	707	.0
1994.0	14:33	3.64	49	50	.00	.42	13	12	710	.0
1996.0	14:43	3.66	49	51	.00	.42	13	12	710	.0
1998.0	15: 4	3.64	50	52	.00	.41	13	12	710	.0
2000.0	15:12	3.56	50	53	.00	.38	13	12	710	.0
1704										
2002.0	15:22	3.66	51	53	.00	.38	13	12	704	.0
2004.0	15:34	3.94	51	53	.00	.39	13	12	701	.0
2006.0	15:55	3.70	51	53	.00	.39	13	12	699	.0
2008.0	16: 9	4.00	51	53	.00	.36	13	12	697	.0
2010.0	16:17	3.72	51	53	.00	.36	13	12	697	.0
2012.0	16:31	3.85	51	53	.00	.38	13	12	701	.0
2014.0	17: 3	4.29	50	53	.00	.39	13	12	716	.0
2016.0	17:38	3.89	50	53	.00	.36	13	12	713	.0
2018.0	17:56	3.94	50	53	.00	.35	13	12	705	.0
2020.0	18:14	3.80	50	54	.00	.37	13	12	703	.0
1724										
2022.0	18:22	3.29	51	54	.00	.39	13	12	702	.0
2024.0	18:29	3.25	51	53	.00	.39	13	12	695	.0
2026.0	18:58	3.79	50	52	.00	.38	13	12	662	.0
2028.0	19:22	4.03	49	52	.00	.37	13	12	646	.0
2030.0	19:30	3.52	49	53	.00	.37	13	12	705	.0
2032.0	19:38	3.61	50	53	.00	.38	13	12	705	.0
2034.0	19:53	3.49	50	52	.00	.39	13	12	705	.0
2036.0	20: 4	3.55	49	52	.00	.39	13	12	708	.0
2038.0	20:16	3.54	50	53	.00	.39	13	12	702	.0
2040.0	20:29	3.75	50	53	.00	.39	13	12	702	.0
1744										
2042.0	20:37	3.73	50	53	.00	.39	13	12	700	.0
2044.0	20:49	3.57	50	53	.00	.39	13	12	700	.0
2046.0	20:58	3.60	50	52	.00	.39	13	12	702	.0
2048.0	21:14	3.72	50	46	.00	.85	13	12	640	.0
2050.0	21:22	3.71	49	51	.00	.37	13	12	701	.0
2052.0	21:34	3.67	49	52	.00	.39	13	12	706	.0
2054.0	22: 4	4.13	50	52	.00	.40	13	12	692	.0
2056.0	22:14	3.80	50	53	.00	.39	13	12	709	.0
2058.0	22:27	3.90	50	53	.00	.39	13	12	712	.0
2060.0	22:37	3.83	51	54	.00	.39	13	12	714	.0
1763										

DEPTH	TIME	RS	MTI	MTO	MPI	MRO	YPM	PVM	MVI	MDOV RECDS	
1763											
2062.0	22:46	3.67	51	54	.00	.39	13	12	714	.0	2
2064.0	23: 6	3.68	51	54	.00	.40	13	12	708	.0	2
2066.0	23:33	4.04	51	53	.00	.41	13	12	701	.0	2
2068.0	0: 3	4.27	50	53	.00	.41	13	12	701	.0	2
2070.0	0:16	3.95	51	53	.00	.41	13	12	700	.0	2
2071.0	0:21	3.75	50	53	.00	.41	13	12	699	.0	1
NEW BIT ID: 8											
2072.0	17: 9	3.66	42	46	.00	.46	13	12	699	.0	1
2074.0	17:19	3.69	42	46	.00	.47	13	12	699	.0	2
2076.0	17:35	3.86	43	46	.00	.48	13	12	694	.0	2
2078.0	18:35	4.13	43	47	.00	.48	13	12	682	.0	2
1785											
2080.0	19:27	3.81	45	48	.00	.46	13	12	675	.0	2
2082.0	19:27	4.24	46	48	.00	.47	13	12	674	.0	2
2084.0	19:51	4.09	46	48	.00	.46	13	12	672	.0	2
2086.0	20:11	3.20	46	49	.00	.46	13	12	672	.0	2
2088.0	20:18	3.74	46	49	.00	.42	13	12	674	.0	2
2090.0	20:25	3.90	46	49	.00	.40	13	12	674	.0	2
2092.0	20:46	3.55	47	49	.00	.41	13	12	674	.0	2
2094.0	20:53	3.52	47	50	.00	.43	13	12	689	.0	2
2096.0	21:10	3.77	47	50	.00	.44	13	12	689	.0	2
2098.0	21:21	3.54	47	51	.00	.41	13	12	689	.0	2
1805											
2100.0	21:30	3.48	47	51	.00	.41	13	12	689	.0	2
2102.0	21:50	3.67	47	51	.00	.41	13	12	687	.0	2
2104.0	22: 3	3.61	48	51	.00	.41	13	12	692	.0	2
2106.0	22:31	3.84	49	52	.00	.42	13	12	678	.0	2
2108.0	22:42	3.81	49	52	.00	.43	13	12	671	.0	2
2110.0	22:52	3.85	49	53	.00	.42	13	12	670	.0	2
2114.0	23:29	3.75	49	52	.00	.42	13	12	572	.0	2
2116.0	0:14	4.50	50	53	.00	.42	13	12	700	.0	3
2118.0	1: 3	4.58	50	54	.00	.42	13	12	695	.0	2
2120.0	2:13	4.78	51	54	.00	.42	13	12	692	.0	5
1829											
2122.0	3:50	4.97	51	54	.00	.43	13	12	690	.0	5
2124.0	5: 5	4.77	51	49	.00	.43	13	12	689	.0	5
2126.0	5:43	4.54	50	53	.00	.43	13	12	687	.0	3
2128.0	6:33	4.70	51	54	.00	.43	13	12	699	.0	3
2130.0	6:50	4.24	51	54	.00	.43	13	12	703	.0	2
2132.0	7:35	4.30	51	54	.00	.44	13	12	693	.0	3
2134.0	7:57	4.30	51	54	.00	.44	13	12	703	.0	2
2136.0	8:27	4.46	51	54	.00	.44	13	12	703	.0	2
2138.0	8:46	4.20	51	54	.00	.44	13	12	706	.0	2
2142.0	9:33	4.16	51	54	.00	.45	13	12	706	.0	2
1858											
2144.0	11: 8	4.35	51	55	.00	.44	13	12	679	.0	3
2146.0	11:21	4.09	52	56	.00	.44	13	12	699	.0	2
2148.0	11:36	4.15	51	55	.00	.44	13	12	699	.0	2
2152.0	12:34	4.39	51	54	.00	.45	13	12	701	.0	2
2156.0	16:52	4.99	52	55	.00	.45	13	12	673	.0	6
2158.0	17:16	4.38	53	56	.00	.45	13	12	664	.0	2
2160.0	17:48	4.40	52	55	.00	.46	13	12	671	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
1877											
2162.0	19: 2	5.00	52	55	.00	.45	13	12	640	.0	4
2164.0	21: 7	5.18	54	56	.00	.45	13	12	668	.0	6
2166.0	23:17	5.15	52	55	.00	.46	13	12	663	.0	6
2168.0	0:24	4.90	52	55	.00	.45	13	12	666	.0	4
2170.0	2:13	3.71	52	54	.00	.42	13	12	669	.0	1
2172.0	2:30	4.16	53	56	.00	.44	13	10	674	.0	2
2174.0	2:47	4.24	52	55	.00	.45	13	10	673	.0	2
2176.0	3: 1	4.17	52	55	.00	.46	13	10	675	.0	2
2180.0	3:35	4.26	51	55	.00	.46	13	10	690	.0	3
2182.0	3:50	4.24	51	55	.00	.45	13	10	708	.0	2
1909											
2184.0	4: 6	4.25	52	55	.00	.45	13	10	715	.0	2
2186.0	4:29	4.37	52	55	.00	.46	13	10	724	.0	2
2188.0	4:56	4.28	52	56	.00	.45	13	10	707	.0	2
2190.0	5:13	4.11	52	56	.00	.45	13	10	703	.0	2
2192.0	5:32	4.21	52	55	.00	.45	13	10	688	.0	2
2194.0	5:52	4.24	52	55	.00	.46	13	10	670	.0	2
2196.0	6:23	4.44	52	55	.00	.46	13	10	695	.0	3
2198.0	7:16	4.30	52	55	.00	.45	13	10	703	.0	2
2200.0	7:36	4.05	52	55	.00	.45	13	10	711	.0	2
2202.0	7:56	4.13	52	55	.00	.46	13	10	707	.0	2
1930											
2204.0	8:13	4.15	52	55	.00	.46	13	10	704	.0	2
2206.0	8:40	4.18	52	55	.00	.45	13	10	687	.0	2
2208.0	10:16	4.78	52	54	.00	.43	13	10	667	.0	5
2210.0	10:32	4.14	52	55	.00	.43	13	10	671	.0	2
2212.0	10:50	4.14	52	55	.00	.43	13	10	686	.0	2
2214.0	11: 4	4.13	52	55	.00	.44	13	10	672	.0	2
2218.0	11:37	4.04	52	55	.00	.44	13	10	666	.0	3
2220.0	11:53	3.88	52	56	.00	.44	13	10	660	.0	2
2222.0	12: 8	3.84	52	56	.00	.43	13	10	674	.0	2
2224.0	12:36	4.00	52	56	.00	.43	13	10	677	.0	2
1954											
2226.0	13: 6	3.86	52	56	.00	.44	13	10	667	.0	2
2228.0	13:26	4.14	52	56	.00	.44	13	10	684	.0	2
2230.0	13:48	4.20	53	56	.00	.44	13	10	662	.0	2
2232.0	14: 7	4.15	53	56	.00	.44	13	10	670	.0	2
2234.0	14:26	4.16	53	56	.00	.42	13	10	673	.0	2
2236.0	14:59	4.20	53	56	.00	.40	13	10	666	.0	2
2238.0	16:29	4.72	54	57	.00	.42	13	10	671	.0	5
2240.0	17:47	4.81	54	57	.00	.43	13	10	664	.0	5
2242.0	18:41	4.65	55	57	.00	.43	13	10	665	.0	4
2244.0	19:50	4.76	55	58	.00	.43	13	10	678	.0	4
1984											
2246.0	21:21	4.61	54	57	.00	.43	13	10	648	.0	2
2248.0	22:32	4.76	55	58	.00	.44	13	10	663	.0	5
2250.0	23:31	4.52	55	58	.00	.44	13	10	664	.0	6
2251.6	23:58	4.32	55	57	.00	.44	13	10	671	.0	1
NEW BIT ID: 9											
2252.0	0:23	4.40	50	51	.00	.00	11	11	649	.0	1
2254.0	1: 0	4.29	50	52	.00	.00	11	11	639	.0	2
2256.0	1: 8	3.66	50	53	.00	.00	11	11	653	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MFO	YPM	PVM	MVI	MDOV RECDS	
2007											
2258.0	1:15	3.65	51	53	.00	.00	11	11	674	.0	2
2260.0	1:24	3.86	51	53	.00	.00	11	11	672	.0	2
2262.0	1:31	3.85	51	54	.00	.00	11	11	676	.0	2
2264.0	1:39	3.89	51	54	.00	.00	11	11	688	.0	2
2266.0	1:46	3.86	51	54	.00	.00	11	11	673	.0	2
2268.0	1:55	3.87	51	54	.00	.00	11	11	671	.0	2
2270.0	2: 4	3.92	50	54	.00	.00	11	11	660	.0	2
2272.0	2:13	3.91	50	54	.00	.00	11	11	648	.0	2
2274.0	2:26	4.06	50	54	.00	.00	11	11	647	.0	2
2276.0	2:39	4.11	50	54	.00	.00	11	11	649	.0	2
2027											
2278.0	2:49	3.96	50	56	.00	.00	11	11	649	.0	1
2280.0	3: 1	4.04	51	56	.00	.00	11	11	647	.0	2
2282.0	3:17	4.17	51	55	.00	.00	11	11	650	.0	2
2284.0	3:30	4.07	51	56	.00	.00	11	11	654	.0	2
2286.0	3:54	4.32	53	56	.00	.00	11	11	666	.0	2
2288.0	4:15	4.27	54	57	.00	.00	11	11	672	.0	2
2290.0	0:15	4.12	54	57	.00	.00	11	11	676	.0	2
2292.0	15:12	3.62	54	57	.00	.22	11	11	677	.0	2
2294.0	15:26	3.86	53	56	.00	.43	11	11	682	.0	2
2296.0	15:43	4.18	54	56	.00	.43	11	11	672	.0	2
2046											
2298.0	15:54	4.05	55	57	.00	.43	11	11	670	.0	2

DUMP C

DEPTH	-	Well depth in metres.
STEP	-	Depth increment in metres.
CHRS	-	Cumulative bit hours. The number of hours that the bit has actually been 'on bottom' as opposed to in the hole, recorded in decimal hours.
WOB	-	Weight on bit in thousands of pounds.
HKLDX	-	Maximum hookload. This is the total weight of the string. The value for maximum hookload picked up by the computer is the average value of the total weight of the string over a 5 second interval beginning after the rotary table has made five revolutions after the slips have been pulled. This value is then fixed in the computer memory until the next time the slips are set, when a new value is taken.
HKLD	-	Current hookload. This is the weight of the string when 'on bottom' i.e. whilst actually drilling. The difference between the maximum hookload is the computer calculated weight on bit.
BWOV	-	The weight on the bit setting. This is used in the event of a hookload sensor malfunction to enable the operator to inform the computer of the WOB in use.
SPM1	-	Stroke rate/minute for pump number 1.
SPM2	-	Stroke rate/minute for pump number 2.
PMPR	-	The pump pressure, psi.
PCSG	-	Casing pressure. This is the pressure exerted on the casing after the well has been shut in following a 'kick'
HSP	-	Hydrostatic pressure. This is the pressure exerted by the column of mud in the hole, measured in psi.

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	64										
				NEW BIT ID:	2						
210.0	.0	.0	26	164	138	0	106.5	109.1	1772	0	303
212.0	2.0	.0	20	164	144	0	109.2	105.1	1782	0	308
214.0	2.0	.0	23	164	148	0	119.2	107.1	1793	0	314
218.0	4.0	.1	24	164	162	0	114.3	107.0	1809	0	325
220.0	2.0	.1	24	164	148	0	108.0	94.8	1563	0	330
222.0	2.0	.1	24	164	129	0	106.7	95.2	1578	0	334
224.0	2.0	.1	24	164	138	0	114.2	95.8	1583	0	338
226.0	2.0	.1	24	164	151	0	103.7	95.8	1575	0	340
228.0	2.0	.1	24	164	150	0	99.3	96.0	1588	0	336
230.0	2.0	.1	24	164	154	0	120.0	98.1	1636	0	332
	87										
232.0	2.0	.1	24	164	154	0	110.0	98.4	1654	0	338
234.0	2.0	.1	24	164	156	0	100.4	97.7	1649	0	343
238.0	4.0	.2	24	165	156	0	120.2	101.2	1632	0	355
240.0	2.0	.2	23	165	137	0	106.3	99.1	1619	0	360
242.0	2.0	.2	22	165	143	0	119.9	99.2	1624	0	365
244.0	2.0	.2	24	165	159	0	136.6	99.4	1629	0	370
248.0	4.0	.2	24	163	145	0	116.6	100.2	1634	0	364
250.0	2.0	.2	24	163	143	0	101.8	99.2	1595	0	365
252.0	2.0	.2	23	163	145	0	93.2	99.8	1596	0	370
254.0	2.0	.2	24	163	144	0	93.9	99.3	1601	0	376
	107										
258.0	4.0	.2	24	161	139	0	99.6	97.0	1650	0	383
260.0	2.0	.2	24	161	144	0	104.0	96.6	1669	0	386
262.0	2.0	.3	24	161	128	0	123.4	98.1	1675	0	389
264.0	2.0	.3	25	161	136	0	113.6	96.7	1684	0	393
266.0	2.0	.3	26	165	137	0	116.4	99.0	1696	0	395
268.0	2.0	.3	24	161	126	0	113.4	99.3	1747	0	398
270.0	2.0	.3	24	161	144	0	131.7	100.4	1765	0	401
272.0	2.0	.3	24	161	139	0	111.0	100.4	1765	0	406
274.0	2.0	.3	24	161	138	0	104.7	100.0	1780	0	410
276.0	2.0	.3	24	162	143	0	107.9	99.0	1737	0	413
	126										
278.0	2.0	.3	24	162	149	0	102.7	97.2	1681	0	418
280.0	2.0	.3	24	162	146	0	115.2	97.0	1684	0	422
282.0	2.0	.3	24	162	133	0	102.9	97.1	1697	0	426
284.0	2.0	.4	24	162	144	0	106.9	97.1	1697	0	430
286.0	2.0	.4	24	163	154	0	109.9	97.8	1658	0	427
288.0	2.0	.4	22	163	141	0	100.8	97.2	1659	0	432
290.0	2.0	.4	22	163	141	0	98.9	97.5	1669	0	437
292.0	2.0	.4	24	163	126	0	99.0	97.5	1678	0	442
294.0	2.0	.4	24	163	129	0	101.5	97.6	1672	0	446
296.0	2.0	.4	29	163	133	0	111.4	96.3	1680	0	444
	146										
298.0	2.0	.4	33	163	130	0	125.0	94.0	1695	0	449
300.0	2.0	.4	31	163	132	0	120.3	95.7	1698	0	454
308.0	8.0	.5	22	163	141	0	114.5	96.5	1707	0	462
310.0	2.0	.5	33	163	130	0	108.7	101.8	1733	0	470
314.0	4.0	.5	20	172	146	0	108.7	99.5	1719	0	469
316.0	2.0	.5	30	165	136	0	115.5	96.5	1682	0	473
318.0	2.0	.5	24	165	141	0	104.5	96.3	1685	0	479

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
159											
320.0	2.0	.5	25	165	140	0	103.9	96.6	1700	0	484
322.0	2.0	.5	36	165	129	0	112.8	96.8	1696	0	489
324.0	2.0	.5	27	165	138	0	114.0	98.5	1740	0	486
326.0	2.0	.5	34	165	131	0	107.0	101.0	1865	0	490
328.0	2.0	.5	27	165	138	0	107.2	103.2	1883	0	496
330.0	2.0	.5	33	165	132	0	107.3	101.6	1881	0	501
332.0	2.0	.5	30	165	135	0	107.1	102.8	1886	0	507
334.0	2.0	.6	25	173	139	0	102.4	102.2	1809	0	498
336.0	2.0	.6	26	173	147	0	107.6	102.1	1759	0	504
338.0	2.0	.6	41	173	132	0	98.4	103.0	1765	0	510
178											
340.0	2.0	.6	38	173	136	0	97.9	104.5	1766	0	513
344.0	4.0	.6	28	172	137	0	111.5	101.3	1746	0	514
346.0	2.0	.6	30	170	136	0	127.8	95.0	1725	0	521
348.0	2.0	.6	33	165	132	0	116.2	95.0	1733	0	526
350.0	2.0	.6	33	165	132	0	111.0	95.0	1730	0	530
352.0	2.0	.7	37	166	128	0	111.0	95.6	1731	0	529
354.0	2.0	.7	18	167	149	0	111.0	105.4	1970	0	529
356.0	2.0	.7	35	167	132	0	111.0	108.3	1987	0	535
358.0	2.0	.7	34	167	133	0	111.0	105.8	1991	0	539
360.0	2.0	.7	33	167	134	0	111.0	106.0	1997	0	541
199											
362.0	2.0	.7	22	174	148	0	113.0	107.1	1989	0	538
364.0	2.0	.7	30	180	134	0	108.2	105.3	1936	0	537
366.0	2.0	.8	30	180	140	0	115.3	100.7	1939	0	539
368.0	2.0	.8	30	180	133	0	118.0	100.4	1948	0	543
372.0	4.0	.8	34	175	146	0	113.5	101.4	1957	0	552
374.0	2.0	.8	39	169	130	0	112.9	113.9	2048	0	561
376.0	2.0	.8	28	169	141	0	111.2	113.8	2065	0	567
378.0	2.0	.8	26	169	135	0	109.8	113.6	2071	0	573
380.0	2.0	.8	35	169	134	0	119.3	114.7	2078	0	579
382.0	2.0	.8	24	170	145	0	113.0	114.9	2090	0	577
219											
384.0	2.0	.9	40	170	130	0	116.4	105.7	2013	0	577
386.0	2.0	.9	42	170	128	0	114.2	101.5	1913	0	582
388.0	2.0	.9	42	170	128	0	109.6	101.3	1885	0	588
390.0	2.0	.9	36	170	134	0	105.6	100.8	1882	0	595
392.0	2.0	.9	33	170	137	0	107.0	100.5	1883	0	584
394.0	2.0	.9	35	170	135	0	108.5	100.6	1896	0	590
396.0	2.0	.9	40	170	121	0	108.6	101.4	1900	0	596
398.0	2.0	.9	40	170	120	0	108.7	101.4	1908	0	602
400.0	2.0	1.0	42	175	123	0	108.1	101.0	1896	0	601
402.0	2.0	1.0	48	170	122	0	105.7	99.2	1789	0	600
239											
404.0	2.0	1.0	47	170	123	0	102.0	98.8	1800	0	606
406.0	2.0	1.0	35	170	135	0	106.8	99.0	1798	0	612
408.0	2.0	1.0	38	170	127	0	106.9	101.1	1804	0	618
410.0	2.0	1.0	37	175	131	0	109.4	101.0	1802	0	617
412.0	2.0	1.0	38	170	126	0	103.3	99.5	1798	0	616
414.0	2.0	1.0	21	170	149	0	101.6	100.7	1813	0	622
416.0	2.0	1.1	40	170	130	0	103.2	101.2	1826	0	628
418.0	2.0	1.1	41	170	129	0	102.0	100.2	1836	0	634
420.0	2.0	1.1	25	170	145	0	102.2	99.2	1818	0	625
422.0	2.0	1.1	41	170	129	0	100.4	99.5	1795	0	631
259											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	259										
424.0	2.0	1.1	27	170	143	0	99.4	100.4	1796	0	637
426.0	2.0	1.1	35	170	135	0	99.2	100.2	1801	0	643
428.0	2.0	1.1	37	170	133	0	122.7	101.0	1803	0	648
430.0	2.0	1.1	35	183	132	0	109.9	102.4	1852	0	641
432.0	2.0	1.1	35	177	126	0	99.1	102.0	1791	0	647
434.0	2.0	1.2	36	170	134	0	90.5	104.2	1717	0	653
436.0	2.0	1.2	24	170	146	0	90.8	103.1	1722	0	659
440.0	4.0	1.2	46	179	128	0	97.8	102.1	1812	0	662
442.0	2.0	1.2	47	184	133	0	104.9	104.2	1895	0	661
444.0	2.0	1.2	47	184	134	0	104.8	101.8	1902	0	667
	280										
446.0	2.0	1.2	46	184	134	0	105.6	103.8	1910	0	666
448.0	2.0	1.3	55	184	128	0	107.2	100.6	1931	0	666
450.0	2.0	1.3	40	171	135	0	108.0	101.2	1950	0	672
452.0	2.0	1.3	41	171	130	0	108.5	101.7	1961	0	677
454.0	2.0	1.3	34	171	137	0	108.7	102.5	1960	0	683
458.0	4.0	1.3	41	178	135	0	106.9	100.9	1925	0	686
460.0	2.0	1.4	44	185	136	0	102.5	98.9	1823	0	689
462.0	2.0	1.4	42	185	131	0	102.8	99.0	1824	0	692
468.0	6.0	1.4	42	187	134	0	103.0	98.7	1838	0	695
470.0	2.0	1.5	42	188	130	0	103.2	100.9	1862	0	703
	301										
472.0	2.0	1.5	42	188	130	0	103.6	101.7	1869	0	708
474.0	2.0	1.5	42	188	126	0	103.6	100.9	1872	0	714
478.0	4.0	1.6	34	177	143	0	103.5	100.0	1858	0	702
480.0	2.0	1.6	37	171	134	0	103.7	100.0	1833	0	701
482.0	2.0	1.6	33	171	138	0	104.5	99.2	1846	0	707
484.0	2.0	1.7	38	171	133	0	104.1	100.1	1853	0	713
486.0	2.0	1.7	40	171	131	0	104.7	99.6	1863	0	720
488.0	2.0	1.7	36	171	135	0	104.4	99.3	1846	0	708
500.0	12.0	2.0	28	180	144	0	102.1	101.0	1847	0	747
502.0	2.0	2.0	24	171	147	0	100.5	103.6	1881	0	753
	322										
504.0	2.0	2.1	35	171	136	0	100.7	103.8	1891	0	757
506.0	2.0	2.1	35	171	139	0	101.0	105.0	1868	0	750
508.0	2.0	2.2	42	171	129	0	99.9	107.4	1927	0	743
516.0	8.0	2.3	33	171	143	0	101.2	107.0	1920	0	758
518.0	2.0	2.3	34	171	137	0	106.9	109.7	2055	0	771
520.0	2.0	2.4	39	171	132	0	107.1	107.3	2060	0	777
522.0	2.0	2.4	37	171	134	0	107.3	107.9	2066	0	782
524.0	2.0	2.4	37	171	134	0	107.7	107.6	2056	0	786
526.0	2.0	2.5	38	171	135	0	102.9	97.8	1842	0	777
528.0	2.0	2.5	39	171	134	0	106.9	98.1	1919	0	780
	343										
530.0	2.0	2.6	39	171	133	0	106.7	99.3	1919	0	780
532.0	2.0	2.6	41	171	137	0	103.0	99.2	1870	0	783
534.0	2.0	2.7	41	171	140	0	102.6	99.4	1867	0	790
536.0	2.0	2.7	41	171	137	0	101.1	106.9	1905	0	795
538.0	2.0	2.8	40	171	145	0	101.2	103.6	1926	0	791
540.0	2.0	2.8	40	171	139	0	101.2	104.4	1945	0	798
544.0	4.0	2.9	41	171	141	0	107.7	102.1	1927	0	804
546.0	2.0	2.9	41	171	141	0	108.2	104.0	2041	0	807
548.0	2.0	3.0	40	171	135	0	108.2	103.7	2055	0	812
554.0	6.0	3.1	40	171	141	0	108.5	104.8	2062	0	820
	361										

DEPTH	STEP	CHPS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	361										
564.0	10.0	3.2	40	178	141	0	105.9	104.4	1908	0	840
566.0	2.0	3.2	41	171	148	0	102.7	105.9	2022	0	852
568.0	2.0	3.2	42	171	137	0	102.4	106.1	2036	0	857
574.0	6.0	3.3	41	186	142	0	102.5	106.9	2038	0	867
576.0	2.0	3.3	41	194	146	0	103.3	105.8	2064	0	875
578.0	2.0	3.3	41	171	149	0	104.2	106.0	2079	0	881
584.0	6.0	3.3	40	171	145	0	85.2	89.9	1924	0	889
592.0	8.0	3.4	39	171	144	0	98.8	102.8	1960	0	899
594.0	2.0	3.4	38	171	149	0	104.8	102.7	2050	0	911
598.0	4.0	3.5	40	171	154	0	104.0	104.1	2075	0	915
	383										
612.0	14.0	3.6	38	171	179	0	100.9	99.1	1826	0	942
616.0	4.0	3.6	39	171	156	0	95.5	97.1	1880	0	948
618.0	2.0	3.6	41	171	153	0	96.0	98.4	1842	0	954
622.0	4.0	3.7	41	180	159	0	86.4	89.6	1766	0	958
624.0	2.0	3.7	41	171	151	0	92.8	101.8	1916	0	963
626.0	2.0	3.7	42	171	153	0	94.9	100.7	1919	0	968
628.0	2.0	3.8	43	171	152	0	94.2	102.7	1910	0	973
630.0	2.0	3.8	43	171	148	0	93.7	104.1	1905	0	978
632.0	2.0	3.8	41	171	146	0	100.3	101.4	1973	0	999
634.0	2.0	3.9	41	171	144	0	102.3	99.0	1997	0	998
	403										
636.0	2.0	3.9	41	171	149	0	102.4	100.0	2000	0	986
638.0	2.0	3.9	41	171	146	0	102.7	100.3	2011	0	984
650.0	12.0	4.1	41	172	148	0	102.3	100.0	1899	0	1049
652.0	2.0	4.3	40	173	146	0	92.2	93.6	1715	0	999
654.0	2.0	4.3	40	173	143	0	93.3	92.1	1738	0	1003
656.0	2.0	4.4	41	173	144	0	95.0	100.5	1796	0	1009
658.0	2.0	4.4	42	173	149	0	94.8	94.6	1800	0	1014
660.0	2.0	4.5	42	174	151	0	90.1	94.1	1682	0	1010
662.0	2.0	4.5	39	174	143	0	86.4	93.0	1624	0	1016
664.0	2.0	4.5	39	174	140	0	94.3	92.7	1764	0	1021
	421										
666.0	2.0	4.6	39	174	140	0	97.0	92.6	1780	0	1026
670.0	4.0	4.6	38	191	142	0	96.1	96.5	1833	0	1025
672.0	2.0	4.7	38	173	148	0	96.5	100.5	1896	0	1025
674.0	2.0	4.7	38	173	144	0	97.5	101.2	1905	0	1032
676.0	2.0	4.7	38	173	144	0	96.5	100.3	1903	0	1038
680.0	4.0	4.8	39	173	149	0	98.8	97.3	1892	0	1047
682.0	2.0	4.8	40	173	152	0	100.4	96.3	1906	0	1056
684.0	2.0	4.9	40	173	147	0	100.3	96.0	1908	0	1062
686.0	2.0	4.9	40	173	147	0	100.2	97.3	1910	0	1068
688.0	2.0	4.9	40	191	153	0	99.9	96.0	1896	0	1069
	442										
690.0	2.0	5.0	40	208	145	0	91.1	90.2	1679	0	1068
692.0	2.0	5.0	40	173	145	0	91.1	90.0	1686	0	1073
694.0	2.0	5.1	40	173	152	0	91.4	91.8	1688	0	1078
696.0	2.0	5.1	40	173	145	0	92.1	91.3	1693	0	1083
698.0	2.0	5.1	40	191	149	0	92.8	92.7	1770	0	1082
700.0	2.0	5.2	40	210	150	0	103.2	104.2	2081	0	1083
702.0	2.0	5.2	40	173	152	0	103.7	104.9	2096	0	1089
704.0	2.0	5.2	40	174	152	0	103.5	105.7	2091	0	1094
706.0	2.0	5.3	40	191	151	0	103.7	105.1	2096	0	1096
708.0	2.0	5.3	40	201	152	0	107.1	106.6	2166	0	1091
	462										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
462											
710.0	2.0	5.4	40	190	150	0	110.1	106.9	2237	0	1097
712.0	2.0	5.4	39	190	151	0	110.6	107.6	2253	0	1103
714.0	2.0	5.4	39	190	151	0	110.5	107.5	2256	0	1106
716.0	2.0	5.5	40	190	150	0	111.1	107.9	2263	0	1108
718.0	2.0	5.6	37	190	153	0	110.2	105.2	2193	0	1108
720.0	2.0	5.6	40	190	150	0	109.6	103.4	2159	0	1112
722.0	2.0	5.7	36	190	154	0	109.2	103.0	2161	0	1113
724.0	2.0	5.7	39	190	151	0	109.4	103.2	2160	0	1115
728.0	4.0	5.8	38	190	156	0	110.0	104.3	2158	0	1120
730.0	2.0	5.9	39	190	151	0	110.0	106.6	2153	0	1126
483											
732.0	2.0	5.9	38	190	152	0	110.0	106.7	2157	0	1128
734.0	2.0	6.0	39	190	151	0	110.0	107.1	2154	0	1129
736.0	2.0	6.1	41	214	151	0	110.0	105.1	2077	0	1131
738.0	2.0	6.1	43	214	155	0	110.0	103.4	2051	0	1134
740.0	2.0	6.2	43	214	160	0	110.0	103.5	2088	0	1137
742.0	2.0	6.3	43	203	157	0	110.0	103.9	2092	0	1140
744.0	2.0	6.4	35	192	157	0	110.0	104.5	2092	0	1145
746.0	2.0	6.4	43	221	158	0	110.0	105.0	2274	0	1146
748.0	2.0	6.5	39	221	158	0	110.0	106.4	2366	0	1150
750.0	2.0	6.5	39	221	157	0	110.0	106.6	2372	0	1155
503											
752.0	2.0	6.6	38	195	159	0	110.0	106.2	2376	0	1160
754.0	2.0	6.6	39	197	158	0	110.0	106.4	2375	0	1165
756.0	2.0	6.6	38	222	162	0	110.0	100.8	2107	0	1166
758.0	2.0	6.7	38	210	161	0	110.0	101.3	2124	0	1172
760.0	2.0	6.7	38	199	161	0	110.0	100.9	2132	0	1177
762.0	2.0	6.8	39	199	160	0	110.0	101.6	2136	0	1180
764.0	2.0	6.8	33	199	166	0	110.0	102.0	2117	0	1180
766.0	2.0	6.8	39	199	160	0	110.0	101.5	2001	0	1181
768.0	2.0	6.9	38	199	161	0	110.0	101.5	2011	0	1187
770.0	2.0	6.9	39	199	160	0	109.5	101.6	2012	0	1193
523											
772.0	2.0	6.9	36	200	163	0	109.0	101.7	2014	0	1200
776.0	4.0	6.9	36	215	168	0	109.0	103.9	2150	0	1204
778.0	2.0	7.0	40	222	161	0	109.0	108.4	2337	0	1209
780.0	2.0	7.0	40	222	158	0	109.0	107.7	2344	0	1213
782.0	2.0	7.0	40	202	160	0	109.0	106.9	2351	0	1218
786.0	4.0	7.1	38	207	165	0	109.0	106.5	2317	0	1224
788.0	2.0	7.1	45	207	162	0	109.0	104.6	2230	0	1226
790.0	2.0	7.1	46	207	161	0	109.0	105.0	2237	0	1229
792.0	2.0	7.1	47	207	160	0	109.0	104.9	2240	0	1233
794.0	2.0	7.2	42	216	168	0	109.0	104.5	2238	0	1232
543											
796.0	2.0	7.2	39	207	168	0	109.0	104.7	2236	0	1234
798.0	2.0	7.2	46	207	161	0	109.0	104.7	2244	0	1238
800.0	2.0	7.2	46	207	161	0	109.0	104.2	2257	0	1242
804.0	4.0	7.3	38	219	171	0	109.0	102.8	2164	0	1249
806.0	2.0	7.3	44	207	160	0	109.0	98.0	1952	0	1256
808.0	2.0	7.3	41	207	166	0	109.0	99.2	1960	0	1264
810.0	2.0	7.3	41	207	166	0	108.0	99.2	1964	0	1269
812.0	2.0	7.3	42	207	165	0	108.0	99.2	1968	0	1268
814.0	2.0	7.4	43	207	164	0	108.0	101.2	1978	0	1278
816.0	2.0	7.4	45	207	162	0	108.0	105.1	1985	0	1283
564											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
564											
818.0	2.0	7.4	47	207	160	0	108.0	103.9	1992	0	1291
820.0	2.0	7.4	50	207	157	0	108.0	103.6	1990	0	1299
822.0	2.0	7.4	47	182	159	0	108.0	104.1	2007	0	1290
824.0	2.0	7.5	45	157	153	0	108.0	97.3	2109	0	1313
828.0	4.0	7.5	45	157	154	0	108.0	97.2	2071	0	1308
830.0	2.0	7.5	48	207	156	0	108.0	97.4	2071	0	1306
834.0	4.0	7.6	47	207	160	0	108.0	100.0	2081	0	1300
836.0	2.0	7.6	50	207	157	0	110.0	103.5	2076	0	1305
838.0	2.0	7.7	50	207	157	0	110.0	104.5	2089	0	1307
840.0	2.0	7.7	52	207	155	0	110.0	103.6	2087	0	1307
585											
842.0	2.0	7.8	53	207	157	0	110.0	104.2	2107	0	1306
844.0	2.0	7.8	49	207	158	0	110.0	105.4	2260	0	1303
846.0	2.0	7.9	48	207	159	0	110.0	104.7	2260	0	1306
848.0	2.0	8.0	50	207	157	0	110.0	106.2	2263	0	1310
850.0	2.0	8.0	49	207	158	0	110.0	105.5	2258	0	1311
852.0	2.0	8.1	49	230	162	0	110.0	106.4	2259	0	1310
854.0	2.0	8.1	52	206	157	0	110.0	106.2	2257	0	1316
856.0	2.0	8.2	49	206	157	0	110.0	107.2	2262	0	1320
858.0	2.0	8.2	46	206	160	0	110.0	106.6	2266	0	1324
860.0	2.0	8.3	46	206	160	0	110.0	106.2	2266	0	1329
605											
862.0	2.0	8.3	46	217	164	0	110.0	107.0	2291	0	1327
864.0	2.0	8.3	37	204	167	0	110.0	107.7	2297	0	1333
866.0	2.0	8.4	43	204	161	0	110.0	108.1	2304	0	1339
868.0	2.0	8.4	40	204	164	0	110.0	108.2	2311	0	1346
870.0	2.0	8.4	31	204	173	0	110.0	108.0	2308	0	1349
872.0	2.0	8.4	42	204	162	0	110.0	103.3	2201	0	1352
874.0	2.0	8.4	41	204	163	0	110.0	104.3	2207	0	1355
876.0	2.0	8.5	45	204	159	0	110.0	103.9	2211	0	1358
878.0	2.0	8.5	46	204	158	0	110.0	103.6	2208	0	1362
880.0	2.0	8.6	42	218	167	0	109.6	104.6	2301	0	1360
625											
882.0	2.0	8.7	39	204	165	0	108.6	105.3	2354	0	1360
884.0	2.0	8.7	41	204	163	0	111.5	105.6	2368	0	1364
886.0	2.0	8.8	42	204	162	0	109.2	106.6	2368	0	1366
888.0	2.0	8.9	42	207	163	0	110.7	106.2	2364	0	1366
890.0	2.0	9.0	49	210	161	0	109.8	106.0	2364	0	1368
892.0	2.0	9.0	48	210	162	0	110.5	106.3	2377	0	1370
894.0	2.0	9.1	49	210	161	0	108.8	107.7	2376	0	1374
896.0	2.0	9.2	49	210	161	0	109.1	106.4	2387	0	1376
898.0	2.0	9.3	49	222	162	0	111.4	106.5	2361	0	1379
900.0	2.0	9.4	48	222	163	0	107.4	106.7	2300	0	1379
645											
902.0	2.0	9.5	48	210	162	0	108.6	106.0	2308	0	1380
904.0	2.0	9.6	48	210	162	0	105.0	106.7	2306	0	1383
906.0	2.0	9.8	48	210	162	0	105.3	106.1	2306	0	1389
908.0	2.0	9.9	48	234	164	0	105.8	105.6	2327	0	1387
910.0	2.0	10.1	49	223	163	0	106.0	104.7	2353	0	1389
912.0	2.0	10.1	50	212	162	0	106.0	104.7	2356	0	1396
914.0	2.0	10.2	49	212	163	0	106.0	104.7	2360	0	1398
916.0	2.0	10.3	50	212	162	0	106.0	105.6	2357	0	1404
922.0	6.0	10.5	49	212	163	0	105.2	104.3	2293	0	1414
924.0	2.0	10.6	51	212	161	0	104.3	104.0	2281	0	1417
665											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
665											
928.0	4.0	10.8	52	212	161	0	104.2	103.3	2265	0	1418
930.0	2.0	11.0	50	212	162	0	104.6	102.2	2257	0	1419
932.0	2.0	11.2	51	212	161	0	112.0	102.7	2257	0	1422
934.0	2.0	11.4	53	212	159	0	110.0	102.7	2258	0	1425
936.0	2.0	11.6	50	212	162	0	110.0	103.3	2252	0	1427
938.0	2.0	11.7	43	212	166	0	110.0	103.1	2284	0	1430
940.0	2.0	11.9	55	212	157	0	110.0	103.0	2331	0	1434
942.0	2.0	12.0	55	212	157	0	110.0	104.4	2338	0	1440
944.0	2.0	12.1	59	212	153	0	110.0	103.8	2301	0	1445
946.0	2.0	12.2	58	206	150	0	110.0	103.5	2262	0	1450
686											
948.0	2.0	12.3	47	199	152	0	110.0	104.4	2172	0	1453
950.0	2.0	12.3	48	199	151	0	110.0	105.8	2181	0	1456
952.0	2.0	12.4	49	199	150	0	110.0	108.2	2187	0	1459
954.0	2.0	12.5	49	199	150	0	110.0	111.3	2194	0	1462
956.0	2.0	12.6	57	224	152	0	110.0	109.5	2224	0	1465
958.0	2.0	12.8	57	210	154	0	110.0	109.1	2252	0	1464
960.0	2.0	12.9	57	210	153	0	110.0	109.0	2259	0	1465
962.0	2.0	13.0	57	210	153	0	110.0	109.0	2250	0	1470
964.0	2.0	13.2	58	210	152	0	110.2	108.2	2243	0	1477
966.0	2.0	13.2	57	222	157	0	110.4	109.1	2264	0	1486
706											
968.0	2.0	13.3	57	233	156	0	110.9	110.9	2284	0	1493
970.0	2.0	13.4	57	223	155	0	112.3	105.2	2231	0	1500
972.0	2.0	13.4	59	212	153	0	113.2	104.6	2230	0	1506
974.0	2.0	13.5	60	212	152	0	112.9	104.6	2235	0	1513
976.0	2.0	13.6	57	212	155	0	110.3	108.4	2243	0	1515
978.0	2.0	13.6	61	212	151	0	110.7	107.9	2253	0	1520
980.0	2.0	13.7	60	212	152	0	110.2	106.6	2257	0	1524
982.0	2.0	13.8	61	212	151	0	110.3	108.4	2260	0	1526
984.0	2.0	13.9	64	213	152	0	110.4	109.3	2274	0	1527
986.0	2.0	13.9	60	213	153	0	110.9	109.6	2298	0	1531
725											
988.0	2.0	14.0	63	213	150	0	111.0	110.3	2314	0	1534
990.0	2.0	14.1	63	213	150	0	111.7	111.1	2325	0	1536
				NEW BIT ID:		3					
998.0	2.0	.3	32	237	205	0	105.0	102.0	3081	0	1530
1000.0	2.0	.4	33	237	204	0	105.0	102.0	3053	0	1536
1002.0	2.0	.6	35	236	201	0	105.0	102.0	3111	0	1539
1004.0	2.0	.7	42	234	192	0	105.0	103.7	3213	0	1542
1006.0	2.0	.8	42	234	192	0	105.0	104.3	3209	0	1549
748											
1008.0	2.0	.8	43	234	191	0	105.0	103.7	3205	0	1554
1016.0	8.0	1.0	42	234	192	0	105.0	105.4	3224	0	1561
1018.0	2.0	1.2	45	234	189	0	105.0	105.2	3220	0	1568
1020.0	2.0	1.3	45	234	192	0	105.0	105.1	3183	0	1574
1022.0	2.0	1.4	44	234	190	0	105.0	104.5	3162	0	1585
1024.0	2.0	1.4	44	234	190	0	105.0	103.5	3156	0	1592
1026.0	2.0	1.5	42	234	192	0	105.0	104.3	3151	0	1599
1028.0	2.0	1.6	43	234	191	0	105.0	103.4	3145	0	1607
1030.0	2.0	1.6	43	235	191	0	105.0	105.1	3170	0	1608
1032.0	2.0	1.7	46	235	189	0	105.0	106.1	3138	0	1605
768											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
768											
1034.0	2.0	1.8	44	235	191	0	105.0	105.9	3037	0	1610
1036.0	2.0	1.9	43	235	192	0	105.0	105.5	3040	0	1616
1038.0	2.0	1.9	38	235	197	0	105.0	104.4	3042	0	1622
1040.0	2.0	2.0	45	261	197	0	105.0	52.1	1889	0	1619
1042.0	2.0	2.1	45	261	200	0	105.0	87.8	2778	0	1623
1044.0	2.0	2.2	47	248	201	0	105.0	102.8	3027	0	1629
1046.0	2.0	2.3	39	235	196	0	105.0	103.9	3014	0	1636
1050.0	4.0	2.4	39	236	196	0	105.0	104.7	3026	0	1640
1052.0	2.0	2.5	41	236	195	0	105.0	105.7	3036	0	1641
1054.0	2.0	2.6	42	238	195	0	105.0	105.5	3042	0	1644
789											
1056.0	2.0	2.6	44	240	196	0	105.0	106.6	3046	0	1649
1058.0	2.0	2.7	46	249	194	0	105.0	105.7	3045	0	1652
1060.0	2.0	2.8	47	258	196	0	105.0	104.3	3005	0	1653
1062.0	2.0	2.8	48	248	197	0	105.0	104.4	2995	0	1657
1064.0	2.0	2.9	43	237	194	0	105.0	104.9	2990	0	1662
1066.0	2.0	3.0	44	237	193	0	105.0	104.4	2980	0	1670
1068.0	2.0	3.1	49	248	195	0	105.0	105.0	2947	0	1678
1070.0	2.0	3.2	43	237	194	0	105.0	103.5	3002	0	1679
1072.0	2.0	3.3	40	237	197	0	105.0	104.4	3032	0	1684
1074.0	2.0	3.4	39	237	198	0	105.0	104.4	3037	0	1690
809											
1076.0	2.0	3.5	42	242	199	0	105.0	104.5	3029	0	1697
1078.0	2.0	3.6	47	251	199	0	105.0	101.9	2934	0	1699
1080.0	2.0	3.6	45	242	197	0	105.0	103.9	2987	0	1703
1082.0	2.0	3.7	45	242	197	0	105.0	104.7	3020	0	1709
1084.0	2.0	3.7	46	242	196	0	105.0	104.3	3021	0	1713
1086.0	2.0	3.8	45	242	197	0	105.0	104.0	3031	0	1719
1088.0	2.0	3.8	43	241	199	0	105.0	107.5	3068	0	1721
1090.0	2.0	3.9	46	241	195	0	105.0	115.9	3111	0	1716
1092.0	2.0	3.9	46	241	195	0	105.0	110.6	3109	0	1716
1094.0	2.0	4.0	47	241	195	0	105.0	112.6	3111	0	1714
829											
1096.0	2.0	4.1	44	241	197	0	105.0	107.6	3101	0	1714
1098.0	2.0	4.1	40	241	201	0	105.0	98.0	3078	0	1719
1100.0	2.0	4.2	43	241	198	0	105.0	106.5	3080	0	1723
1102.0	2.0	4.2	45	241	196	0	105.0	104.9	3090	0	1728
1104.0	2.0	4.3	45	291	197	0	105.0	105.7	3092	0	1734
1106.0	2.0	4.3	45	340	199	0	105.0	105.1	3085	0	1739
1108.0	2.0	4.3	45	340	197	0	105.0	104.3	2986	0	1741
1110.0	2.0	4.4	45	340	199	0	105.0	104.5	2992	0	1746
1112.0	2.0	4.4	45	340	199	0	105.0	104.7	2990	0	1749
1114.0	2.0	4.5	45	340	199	0	105.0	105.0	2997	0	1750
849											
1116.0	2.0	4.5	45	302	200	0	105.0	105.6	3039	0	1750
1118.0	2.0	4.5	45	265	199	0	105.0	110.5	3113	0	1754
1120.0	2.0	4.6	45	265	201	0	105.0	106.2	3056	0	1757
1122.0	2.0	4.6	45	340	202	0	105.0	105.9	3029	0	1760
1124.0	2.0	4.7	42	240	200	0	105.3	105.7	3033	0	1764
1126.0	2.0	4.7	44	252	200	0	120.8	105.3	3078	0	1767
1128.0	2.0	4.8	43	240	197	0	129.4	103.3	3096	0	1771
1130.0	2.0	4.8	43	240	197	0	116.9	103.0	3101	0	177-
1132.0	2.0	4.9	44	240	196	0	112.7	104.5	3115	0	177?
1134.0	2.0	4.9	45	240	195	0	113.5	103.9	3123	0	177?
869											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
869											
1136.0	2.0	5.0	45	240	195	0	119.8	102.3	3116	0	1780
1138.0	2.0	5.0	43	240	197	0	120.4	101.3	3113	0	1783
1140.0	2.0	5.1	44	240	196	0	117.4	102.5	3116	0	1786
1142.0	2.0	5.2	44	240	196	0	117.5	101.8	3120	0	1788
1144.0	2.0	5.2	43	240	197	0	115.0	101.8	3126	0	1793
1146.0	2.0	5.3	47	267	202	0	110.8	102.1	3087	0	1795
1148.0	2.0	5.3	47	255	202	0	111.8	99.9	3072	0	1799
1150.0	2.0	5.4	41	244	202	0	113.5	100.1	3078	0	1803
1152.0	2.0	5.4	43	244	201	0	112.9	100.9	3082	0	1806
1154.0	2.0	5.5	43	255	203	0	114.0	100.3	3082	0	1809
889											
1156.0	2.0	5.5	45	255	199	0	107.1	104.9	3087	0	1812
1158.0	2.0	5.6	43	244	201	0	104.7	105.6	3091	0	1817
1160.0	2.0	5.6	44	244	200	0	106.5	104.5	3099	0	1823
1162.0	2.0	5.7	44	244	200	0	107.9	104.9	3106	0	1829
1164.0	2.0	5.7	45	255	200	0	106.1	105.0	3079	0	1838
1166.0	2.0	5.8	45	266	202	0	102.4	104.4	3027	0	1844
1168.0	2.0	5.8	42	245	203	0	103.2	103.4	3033	0	1849
1170.0	2.0	5.9	42	246	203	0	102.3	103.0	3036	0	1852
1172.0	2.0	5.9	42	246	204	0	104.4	103.3	3045	0	1857
1174.0	2.0	5.9	44	266	205	0	107.4	101.6	3073	0	1857
909											
1176.0	2.0	6.0	45	266	207	0	104.0	98.5	2940	0	1863
1178.0	2.0	6.0	45	266	206	0	102.4	100.3	2955	0	1869
1180.0	2.0	6.0	45	266	208	0	104.1	100.1	2960	0	1873
1182.0	2.0	6.1	45	266	207	0	103.4	100.5	2970	0	1878
1184.0	2.0	6.1	40	251	211	0	104.3	99.2	3053	0	1887
1186.0	2.0	6.2	44	246	206	0	105.3	99.2	3077	0	1892
1188.0	2.0	6.2	43	246	203	0	103.9	98.6	3083	0	1897
1190.0	2.0	6.2	43	246	203	0	107.4	98.2	3100	0	1904
1192.0	2.0	6.3	42	256	205	0	103.8	98.3	3113	0	1919
1194.0	2.0	6.3	43	256	198	0	103.1	96.0	3094	0	1936
929											
1196.0	2.0	6.4	45	246	201	0	104.8	95.9	3099	0	1944
1198.0	2.0	6.4	47	246	199	0	107.8	95.6	3103	0	1953
1200.0	2.0	6.5	46	246	200	0	104.0	95.5	3113	0	1960
1202.0	2.0	6.5	45	246	201	0	103.8	93.4	3061	0	1964
1204.0	2.0	6.6	46	246	200	0	102.8	91.3	2998	0	1969
1206.0	2.0	6.6	47	246	199	0	105.7	91.1	2980	0	1975
1208.0	2.0	6.7	48	246	198	0	102.8	91.3	2977	0	1980
1210.0	2.0	6.7	46	246	200	0	104.4	91.6	2983	0	1986
1212.0	2.0	6.8	45	267	199	0	98.7	100.5	3040	0	1995
1214.0	2.0	6.8	45	267	198	0	96.1	102.3	3055	0	2003
949											
1216.0	2.0	6.9	45	267	198	0	96.4	102.3	3058	0	2009
1218.0	2.0	6.9	45	267	197	0	99.1	102.7	3061	0	2015
1220.0	2.0	6.9	45	267	201	0	107.7	102.5	3073	0	2021
1222.0	2.0	7.0	45	267	204	0	99.2	102.0	3120	0	2028
1224.0	2.0	7.0	45	247	203	0	98.4	101.2	3100	0	2036
1226.0	2.0	7.1	45	248	203	0	99.9	95.3	3001	0	2042
1228.0	2.0	7.1	47	247	201	0	114.1	94.8	2989	0	2050
1230.0	2.0	7.2	44	246	202	0	111.3	94.6	2996	0	2058
1232.0	2.0	7.2	44	246	202	0	101.7	98.7	3080	0	2066
1234.0	2.0	7.3	43	246	203	0	102.5	98.2	3077	0	2074
969											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
969											
1236.0	2.0	7.3	44	246	202	0	98.8	98.1	3088	0	2080
1238.0	2.0	7.3	44	246	202	0	99.0	96.8	3085	0	2087
1240.0	2.0	7.4	42	259	205	0	100.4	98.7	3086	0	2090
1242.0	2.0	7.4	43	259	206	0	99.4	97.0	3030	0	2093
1244.0	2.0	7.4	41	246	205	0	98.6	97.2	3023	0	2101
1246.0	2.0	7.5	41	246	205	0	99.8	96.6	3030	0	2108
1248.0	2.0	7.5	41	246	205	0	100.9	97.3	3039	0	2114
1250.0	2.0	7.6	39	248	207	0	103.1	98.1	3081	0	2117
1252.0	2.0	7.6	43	246	203	0	101.0	99.8	2962	0	2124
1254.0	2.0	7.6	43	246	203	0	102.6	87.9	3011	0	2133
989											
1256.0	2.0	7.7	44	246	202	0	103.2	98.2	3110	0	2141
1258.0	2.0	7.7	44	246	202	0	106.5	97.6	3086	0	2147
1260.0	2.0	7.8	45	268	202	0	96.1	97.4	2963	0	2145
1262.0	2.0	7.8	46	246	202	0	94.5	98.1	2945	0	2152
1264.0	2.0	7.9	44	246	202	0	99.7	97.1	2936	0	2158
1266.0	2.0	7.9	45	246	201	0	99.9	96.1	2929	0	2162
1270.0	4.0	8.0	44	246	202	0	96.8	96.9	3005	0	2163
1272.0	2.0	8.0	46	246	200	0	98.8	97.8	3092	0	2169
1274.0	2.0	8.1	46	246	200	0	98.9	97.7	3072	0	2175
1276.0	2.0	8.1	45	246	201	0	102.1	96.2	3081	0	2180
1010											
1278.0	2.0	8.2	43	246	203	0	108.6	96.5	3060	0	2179
1280.0	2.0	8.2	47	246	199	0	99.2	99.8	3003	0	2179
1282.0	2.0	8.2	45	246	201	0	95.1	99.8	3000	0	2185
1284.0	2.0	8.3	46	246	200	0	94.7	99.8	2991	0	2190
1286.0	2.0	8.3	48	246	198	0	96.8	100.3	2985	0	2194
1288.0	2.0	8.3	37	265	199	0	97.2	101.3	3001	0	2193
1290.0	2.0	8.4	33	265	216	0	93.1	105.0	3043	0	2194
1292.0	2.0	8.4	29	246	217	0	98.8	103.4	3125	0	2199
1294.0	2.0	8.5	31	251	216	0	100.5	99.4	2738	0	2201
1296.0	2.0	8.6	26	256	213	0	115.4	18.4	1569	0	2204
1030											
1298.0	2.0	8.6	26	248	215	0	105.5	71.5	2613	0	2201
1300.0	2.0	8.7	25	248	233	0	100.5	98.6	3016	0	2201
1302.0	2.0	8.7	25	248	236	0	98.1	99.2	3002	0	2197
1304.0	2.0	8.8	24	254	233	0	101.1	97.6	2986	0	2192
1306.0	2.0	8.9	26	260	234	0	103.8	97.1	2983	0	2188
1308.0	2.0	8.9	25	260	235	0	101.7	102.6	3013	0	2162
1310.0	2.0	9.0	18	260	242	0	104.0	105.7	3151	0	2169
1312.0	2.0	9.1	16	260	244	0	104.0	105.9	3090	0	2177
1314.0	2.0	9.1	13	260	248	0	104.0	106.3	3036	0	2184
1316.0	2.0	9.2	11	260	249	0	104.0	105.2	3009	0	2189
1050											
1318.0	2.0	9.3	13	260	247	0	104.0	103.5	2986	0	2191
1320.0	2.0	9.4	11	260	249	0	104.0	103.7	2987	0	2196
1322.0	2.0	9.4	10	260	252	0	104.0	103.2	2991	0	2208
1324.0	2.0	9.5	11	263	253	0	104.0	97.8	2995	0	2225
1326.0	2.0	9.6	16	264	249	0	104.0	99.0	2954	0	2251
1328.0	2.0	9.7	14	264	250	0	104.0	97.3	2934	0	2256
1330.0	2.0	9.8	15	264	249	0	104.0	99.4	3075	0	2259
1332.0	2.0	9.9	16	264	248	0	104.0	99.1	3082	0	2263
1334.0	2.0	9.9	21	264	243	0	104.0	99.1	3099	0	2266
1336.0	2.0	10.0	21	264	243	0	104.0	98.7	3119	0	2266
1069											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1069											
1338.0	2.0	10.1	16	264	248	0	104.0	99.7	3184	0	2264
1340.0	2.0	10.2	15	264	249	0	103.5	100.1	3164	0	2265
1342.0	2.0	10.3	21	264	234	0	103.0	99.1	3155	0	2270
1344.0	2.0	10.3	17	264	222	0	103.0	98.7	3155	0	2276
1346.0	2.0	10.4	17	281	236	0	103.0	100.5	3155	0	2282
1348.0	2.0	10.4	17	281	243	0	103.0	101.6	3165	0	2288
1350.0	2.0	10.5	14	264	255	0	103.0	101.9	3164	0	2292
1352.0	2.0	10.6	20	264	243	0	103.0	101.9	3153	0	2294
1354.0	2.0	10.7	18	264	225	0	103.0	101.4	3156	0	2298
1356.0	2.0	10.8	16	265	245	0	103.0	99.4	2990	0	2318
1089											
1358.0	2.0	10.8	23	265	242	0	103.0	99.6	3113	0	2330
1360.0	2.0	10.9	32	265	233	0	103.0	99.4	3107	0	2341
1362.0	2.0	10.9	27	265	221	0	103.0	98.8	3103	0	2349
1364.0	2.0	11.0	27	252	223	0	103.0	101.5	3105	0	2357
1366.0	2.0	11.0	23	265	236	0	103.0	99.2	3049	0	2365
1368.0	2.0	11.1	29	265	236	0	103.0	101.0	3065	0	2372
1370.0	2.0	11.2	27	265	238	0	103.0	99.2	3054	0	2374
1372.0	2.0	11.3	32	265	233	0	103.0	98.7	3090	0	2375
1374.0	2.0	11.4	33	265	235	0	103.0	97.7	3110	0	2377
1376.0	2.0	11.5	25	265	240	0	103.0	96.2	3102	0	2378
1109											
1378.0	2.0	11.7	28	265	237	0	103.0	97.4	3131	0	2381
1380.0	2.0	11.9	32	265	233	0	103.0	96.2	3154	0	2384
1382.0	2.0	12.0	31	265	234	0	100.0	95.2	3165	0	2388
1384.0	2.0	12.2	31	272	236	0	100.0	95.6	3084	0	2391
1386.0	2.0	12.3	45	279	234	0	100.0	97.5	3020	0	2395
1388.0	2.0	12.5	38	267	234	0	100.0	98.3	3010	0	2398
1390.0	2.0	12.7	33	267	234	0	100.0	98.4	3010	0	2402
1392.0	2.0	12.8	32	267	235	0	100.0	98.9	3010	0	2405
1394.0	2.0	12.9	34	274	237	0	100.0	99.5	3010	0	2408
1396.0	2.0	13.1	33	267	235	0	100.0	98.6	3010	0	2412
1129											
1398.0	2.0	13.3	32	267	235	0	100.0	98.3	3010	0	2415
1400.0	2.0	13.5	34	267	233	0	100.0	95.9	3010	0	2414
1402.0	2.0	13.6	32	267	235	0	100.0	94.2	3010	0	2415
1403.0	1.0	13.7	26	268	241	0	100.0	93.7	3072	0	2392
NEW BIT ID: 101											
1412.0	.0	.4	15	258	243	0	.0	54.0	957	0	2446
1414.0	2.0	1.1	25	249	224	0	.0	54.0	1136	0	2449
1416.0	2.0	1.8	25	248	221	0	.0	54.7	1153	0	2453
1418.0	2.0	2.6	25	246	219	0	.0	54.2	1075	0	2456
1420.0	2.0	3.5	25	246	217	0	.0	53.9	1133	0	2460
1422.0	2.0	4.3	26	246	220	0	.0	53.7	1135	0	2463
1155											
1424.0	2.0	5.3	27	246	219	0	.0	53.4	1018	0	2466
1424.8	.8	6.3	27	246	219	0	.0	53.6	977	0	2469
NEW BIT ID: 102											
1428.0	.0	.4	7	249	240	0	.0	37.0	617	0	2458
1430.0	2.0	1.3	13	250	237	0	.0	45.3	753	0	2469

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1169											
1432.0	2.0	1.6	12	250	238	0	.0	47.0	774	0	2425
1434.0	2.0	1.8	12	250	238	0	.0	46.0	777	0	2480
1436.0	2.0	1.9	13	250	237	0	.0	46.9	808	0	2485
NEW BIT ID: 103											
1444.0	2.0	2.1	22	264	241	0	.0	58.0	913	0	2464
1446.0	2.0	2.4	21	264	243	0	.0	51.0	704	0	2467
1448.0	2.0	2.8	18	264	246	0	.0	51.5	642	0	2470
1450.0	2.0	3.2	19	264	245	0	.0	48.5	669	0	2474
1194											
1452.0	2.0	4.2	23	264	241	0	.0	52.0	651	0	2477
1453.0	1.0	4.9	21	264	243	0	.0	51.0	677	0	2479
NEW BIT ID: 104											
1454.0	.0	.3	16	266	250	0	.0	50.8	666	0	2529
1456.0	2.0	1.0	18	268	250	0	.0	51.8	707	0	2531
1458.0	2.0	1.4	19	268	249	0	.0	55.4	732	0	2536
1460.0	2.0	1.8	18	268	250	0	.0	52.0	590	0	2542
1462.0	2.0	1.9	7	268	261	0	.0	38.2	453	0	2548
1464.0	2.0	1.9	7	276	267	0	.0	37.9	417	0	2553
1465.0	1.0	2.0	9	276	267	0	.0	38.1	408	0	2556
NEW BIT ID: 105											
1468.0	.0	.0	20	284	278	0	.0	48.3	454	0	2528
1221											
1470.0	2.0	.5	21	284	258	0	.0	42.8	678	0	2531
1472.0	2.0	1.3	20	274	253	0	.0	47.2	709	0	2534
1474.0	2.0	2.0	27	272	246	0	.0	47.8	739	0	2538
1476.0	2.0	2.7	25	272	247	0	.0	49.2	789	0	2541
1478.0	2.0	3.2	20	272	252	0	.0	47.7	869	0	2544
NEW BIT ID: 4											
1494.0	2.0	.7	30	0	0	0	80.0	83.5	2305	0	2565
1496.0	2.0	.8	34	0	0	0	80.0	80.0	2105	0	2571
1244											
1498.0	2.0	1.0	42	0	0	0	80.0	77.0	1984	0	2574
1506.0	8.0	1.2	48	0	0	0	80.0	72.3	1964	0	2580
1508.0	2.0	1.4	54	0	0	0	80.0	72.5	1932	0	2586
1509.0	1.0	1.5	52	0	0	0	80.0	72.0	1921	0	2590
NEW BIT ID: 5											
1512.0	.0	.1	22	280	259	0	31.7	114.2	1676	0	2525
1514.0	2.0	.2	22	282	259	0	.0	115.2	1666	0	2530
1516.0	2.0	.2	14	283	269	0	16.1	105.8	1831	0	2534
1520.0	4.0	.2	19	284	265	0	75.1	70.4	2371	0	2541
1522.0	2.0	.3	24	284	260	0	69.6	69.6	2201	0	2551
1524.0	2.0	.3	25	284	259	0	69.0	68.9	2199	0	2557
1269											
1526.0	2.0	.3	28	284	256	0	68.9	69.0	2207	0	2564

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1271										
1528.0	2.0	.3	23	284	261	0	74.3	74.0	2486	0	2570
1530.0	2.0	.4	25	284	259	0	78.4	76.1	2650	0	2577
1532.0	2.0	.4	28	284	256	0	77.3	75.5	2576	0	2583
1534.0	2.0	.5	31	284	253	0	70.3	75.1	2405	0	2589
1538.0	4.0	1.0	53	283	231	0	55.5	79.3	2052	0	2577
1540.0	2.0	1.2	57	283	226	0	68.6	67.1	2100	0	2582
1542.0	2.0	1.5	59	283	224	0	70.7	66.8	2106	0	2587
1544.0	2.0	1.6	57	283	226	0	70.7	66.1	2133	0	2593
1546.0	2.0	1.7	39	283	244	0	70.8	65.9	2145	0	2599
1548.0	2.0	1.7	41	285	243	0	74.9	77.2	2427	0	2586
	1292										
1550.0	2.0	1.7	58	282	225	0	78.9	85.3	2604	0	2593
1552.0	2.0	1.8	52	278	226	0	80.4	83.1	2554	0	2600
1554.0	2.0	1.8	53	279	226	0	80.3	82.2	2545	0	2607
1556.0	2.0	2.1	55	281	225	0	81.4	82.3	2556	0	2611
1558.0	2.0	2.2	54	281	227	0	83.7	82.6	2675	0	2607
1560.0	2.0	2.3	54	281	227	0	84.2	83.4	2673	0	2614
1562.0	2.0	2.4	52	281	229	0	83.9	83.2	2673	0	2620
1564.0	2.0	2.4	49	281	231	0	85.1	82.6	2673	0	2627
1566.0	2.0	2.4	52	281	229	0	85.4	83.8	2670	0	2632
1568.0	2.0	2.4	51	281	230	0	85.4	83.2	2663	0	2638
	1312										
1570.0	2.0	2.5	53	281	228	0	85.4	83.9	2720	0	2645
1572.0	2.0	2.6	57	282	225	0	78.1	84.7	2581	0	2650
1574.0	2.0	2.7	55	282	227	0	74.9	85.1	2533	0	2649
1576.0	2.0	2.9	56	282	226	0	79.4	80.8	2637	0	2643
1578.0	2.0	3.1	55	282	227	0	80.1	80.4	2652	0	2640
1580.0	2.0	3.2	51	282	231	0	80.2	80.6	2650	0	2646
1582.0	2.0	3.3	49	282	233	0	80.5	80.7	2651	0	2652
1586.0	4.0	3.3	51	283	231	0	91.2	79.6	2644	0	2660
1588.0	2.0	3.4	53	283	230	0	81.9	78.6	2643	0	2670
1590.0	2.0	3.4	52	283	231	0	81.8	78.0	2648	0	2676
	1333										
1592.0	2.0	3.4	49	283	234	0	81.0	78.1	2654	0	2683
1596.0	4.0	3.4	55	284	229	0	81.3	81.3	2731	0	2694
1598.0	2.0	3.4	57	284	227	0	81.1	84.4	2773	0	2700
1600.0	2.0	3.4	55	284	229	0	80.4	82.5	2774	0	2705
1602.0	2.0	3.5	57	284	227	0	81.0	83.2	2778	0	2709
1604.0	2.0	3.5	57	287	227	0	80.0	82.8	2729	0	2709
1606.0	2.0	3.8	59	285	226	0	79.1	81.9	2666	0	2699
1608.0	2.0	4.0	62	285	223	0	80.3	81.9	2669	0	2695
1610.0	2.0	4.0	61	285	224	0	80.5	82.3	2666	0	2701
1612.0	2.0	4.1	57	285	228	0	79.9	82.5	2647	0	2703
	1353										
1614.0	2.0	4.2	52	285	233	0	78.4	80.0	2559	0	2705
1616.0	2.0	4.4	59	285	226	0	76.9	77.8	2586	0	2709
1618.0	2.0	4.8	59	285	225	0	74.6	77.2	2631	0	2708
1620.0	2.0	5.3	61	285	224	0	75.0	78.5	2619	0	2712
1622.0	2.0	5.8	41	281	241	0	77.4	75.9	2639	0	2714
1624.0	2.0	6.1	36	282	246	0	79.5	74.5	2653	0	2719
1626.0	2.0	6.2	38	282	244	0	79.0	73.9	2657	0	2726
1628.0	2.0	6.3	35	282	247	0	79.4	75.0	2660	0	2732
1632.0	4.0	6.3	29	282	253	0	79.2	74.6	2664	0	2733
1634.0	2.0	6.3	32	281	249	0	77.1	76.2	2659	0	2734
	1374										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1374											
1636.0	2.0	6.4	33	282	249	0	76.5	76.5	2655	0	2740
1638.0	2.0	6.4	46	290	244	0	76.9	76.1	2658	0	2747
1640.0	2.0	6.5	47	290	243	0	76.8	76.4	2666	0	2753
1644.0	4.0	6.5	45	290	245	0	74.0	77.1	2622	0	2762
1646.0	2.0	6.6	48	291	243	0	72.4	77.4	2594	0	2771
1648.0	2.0	6.7	45	291	246	0	71.7	78.1	2607	0	2778
1650.0	2.0	6.8	51	291	240	0	73.0	77.5	2619	0	2779
1654.0	4.0	6.9	48	291	243	0	75.7	75.3	2652	0	2787
1656.0	2.0	7.0	50	291	241	0	76.4	75.3	2671	0	2791
1658.0	2.0	7.0	53	291	238	0	76.4	75.3	2664	0	2795
1395											
1662.0	4.0	7.1	49	288	239	0	76.5	76.8	2710	0	2796
1664.0	2.0	7.1	45	287	242	0	76.5	78.9	2730	0	2798
1666.0	2.0	7.2	46	288	241	0	76.2	78.3	2721	0	2797
1668.0	2.0	7.3	48	289	241	0	67.7	66.0	2178	0	2797
1670.0	2.0	7.4	49	288	240	0	69.4	68.5	2278	0	2791
1672.0	2.0	8.0	47	293	243	0	75.6	74.4	2476	0	2769
1674.0	2.0	8.6	51	293	242	0	80.1	78.4	2455	0	2772
1676.0	2.0	9.0	52	293	241	0	79.7	78.4	2453	0	2776
1678.0	2.0	9.0	51	293	242	0	79.6	78.7	2466	0	2783
1682.0	4.0	9.0	40	295	254	0	78.4	81.3	2468	0	2792
1417											
1684.0	2.0	9.1	46	297	251	0	75.6	83.4	2497	0	2801
1686.0	2.0	9.1	51	297	246	0	75.7	83.3	2493	0	2808
1688.0	2.0	9.2	51	297	246	0	75.9	83.9	2496	0	2814
1690.0	2.0	9.2	56	297	241	0	75.8	83.4	2506	0	2820
1692.0	2.0	9.3	59	297	238	0	83.8	81.7	2672	0	2820
1694.0	2.0	9.8	53	297	244	0	75.6	83.5	2463	0	2806
1696.0	2.0	10.5	53	295	242	0	74.2	83.1	2419	0	2808
1698.0	2.0	10.8	51	295	244	0	73.6	83.0	2397	0	2812
1700.0	2.0	10.9	44	295	251	0	80.9	80.5	2534	0	2817
1702.0	2.0	10.9	43	295	252	0	85.8	79.4	2607	0	2824
1436											
1704.0	2.0	10.9	50	295	245	0	86.0	80.0	2613	0	2830
1706.0	2.0	11.0	52	295	243	0	86.4	79.0	2621	0	2836
1708.0	2.0	11.1	52	295	243	0	84.7	78.9	2570	0	2843
1710.0	2.0	11.3	54	296	241	0	74.9	80.2	2374	0	2844
1712.0	2.0	11.5	54	296	242	0	77.7	84.5	2562	0	2839
1714.0	2.0	11.6	51	296	245	0	78.0	84.2	2564	0	2840
1716.0	2.0	11.7	53	296	243	0	77.8	85.7	2570	0	2846
1718.0	2.0	11.7	53	296	243	0	77.6	84.1	2571	0	2850
1720.0	2.0	11.8	47	296	249	0	76.9	85.1	2584	0	2856
1722.0	2.0	11.8	47	296	249	0	76.1	82.2	2450	0	2862
1456											
1724.0	2.0	11.9	47	296	249	0	75.5	78.9	2394	0	2868
1726.0	2.0	12.0	48	296	248	0	75.9	77.7	2359	0	2875
1728.0	6.0	12.1	49	297	248	0	78.7	79.1	2451	0	2885
1734.0	2.0	12.2	50	297	247	0	80.7	78.9	2518	0	2891
1736.0	2.0	12.2	49	297	248	0	80.5	79.2	2501	0	2895
1737.0	1.0	12.3	49	297	248	0	79.7	78.2	2497	0	2891
NEW BIT ID: 6											
1738.0	.0	.0	45	295	277	0	84.1	74.5	2975	0	2873

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1473											
1740.0	2.0	.2	46	301	258	0	85.8	63.4	2721	0	2876
1742.0	2.0	.4	47	298	251	0	86.0	59.4	2637	0	2880
1744.0	2.0	.4	44	298	254	0	86.1	59.3	2618	0	2887
1746.0	2.0	.5	48	298	250	0	86.2	59.3	2617	0	2893
1748.0	2.0	.5	43	298	255	0	83.3	63.2	2618	0	2902
1750.0	2.0	.5	46	298	256	0	74.9	76.1	2773	0	2907
1752.0	2.0	.6	45	298	253	0	75.5	76.0	2741	0	2914
1754.0	2.0	.6	48	298	250	0	75.4	75.6	2744	0	2920
1756.0	2.0	.6	48	298	250	0	75.8	76.0	2750	0	2927
1762.0	6.0	.7	45	298	253	0	79.2	75.2	2834	0	2949
1491											
1764.0	2.0	.7	46	298	252	0	80.1	74.9	2864	0	2954
1766.0	2.0	.8	42	298	256	0	80.2	75.5	2869	0	2956
1768.0	2.0	.8	42	298	256	0	76.2	78.8	2849	0	2957
1770.0	2.0	.8	40	298	258	0	76.3	77.3	2828	0	2963
1772.0	2.0	1.0	45	298	257	0	73.4	75.9	2697	0	2960
1776.0	4.0	1.2	42	298	259	0	70.4	74.9	2567	0	2952
1778.0	2.0	1.3	41	298	270	0	70.8	75.0	2589	0	2949
1780.0	2.0	1.4	42	298	256	0	70.4	74.1	2542	0	2945
1782.0	2.0	1.5	50	298	248	0	70.2	74.0	2526	0	2952
1784.0	2.0	1.5	55	298	243	0	70.4	75.0	2539	0	2958
1512											
1788.0	4.0	1.6	50	298	248	0	71.6	72.8	2571	0	2960
1790.0	2.0	1.6	56	298	242	0	72.5	72.4	2582	0	2967
1792.0	2.0	1.7	55	298	241	0	72.2	72.5	2577	0	2973
1796.0	4.0	1.7	54	298	244	0	74.2	70.8	2606	0	2982
1798.0	2.0	1.8	54	298	244	0	77.2	70.6	2676	0	2992
1800.0	2.0	1.9	54	298	244	0	77.1	70.4	2681	0	2999
1802.0	2.0	2.1	57	298	241	0	77.5	70.2	2688	0	3005
1804.0	2.0	2.3	55	298	243	0	77.0	69.9	2666	0	3002
1806.0	2.0	2.4	55	298	243	0	70.5	74.3	2590	0	3004
1808.0	2.0	2.6	55	298	243	0	70.6	73.5	2594	0	3001
1533											
1810.0	2.0	2.7	53	298	245	0	71.1	74.3	2600	0	3007
1812.0	2.0	2.7	45	298	270	0	64.3	79.0	2536	0	2996
1816.0	4.0	2.8	44	297	253	0	72.6	77.7	2758	0	3006
1818.0	2.0	2.9	44	297	253	0	83.5	76.1	2958	0	3016
1820.0	2.0	2.9	45	296	258	0	83.5	76.3	2959	0	3022
1822.0	2.0	2.9	45	298	273	0	83.6	77.4	2894	0	3029
1824.0	2.0	3.0	44	308	260	0	77.7	78.4	2793	0	3038
1826.0	2.0	3.0	55	308	253	0	79.5	78.9	2940	0	3043
1828.0	2.0	3.1	45	300	263	0	80.3	78.7	2913	0	3050
1830.0	2.0	3.1	44	300	259	0	80.2	78.8	2878	0	3057
1553											
1832.0	2.0	3.2	45	300	255	0	80.4	78.3	2828	0	3063
1836.0	4.0	3.2	43	300	260	0	70.1	80.3	2661	0	3070
1838.0	2.0	3.3	45	300	255	0	66.1	81.4	2634	0	3073
1840.0	2.0	3.3	45	300	255	0	66.6	81.3	2651	0	3075
1842.0	2.0	3.5	41	300	259	0	66.9	81.5	2660	0	3077
1844.0	2.0	3.7	44	306	265	0	79.6	77.6	2812	0	3071
1846.0	2.0	3.7	45	311	266	0	81.8	77.8	2775	0	3076
1848.0	2.0	3.9	47	311	264	0	81.6	77.4	2804	0	3077
1850.0	2.0	4.2	52	311	259	0	80.4	78.9	2865	0	3074
1854.0	4.0	4.5	53	304	253	0	80.8	78.7	2857	0	3076
1574											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1574											
1856.0	2.0	4.6	45	300	260	0	81.7	78.9	2850	0	3082
1858.0	2.0	4.7	45	300	259	0	81.5	78.3	2871	0	3080
1860.0	2.0	4.7	45	300	265	0	81.8	76.6	2864	0	3078
1862.0	2.0	4.9	46	300	254	0	80.1	78.8	2901	0	3087
1864.0	2.0	5.2	43	300	257	0	76.0	76.0	2733	0	3096
1865.0	1.0	5.2	44	300	257	0	77.8	77.9	2850	0	3099
NEW BIT ID: 7											
1866.0	.0	.0	40	367	322	0	74.0	67.3	3000	0	3025
1868.0	2.0	.1	40	382	269	0	72.3	69.3	3018	0	3090
1870.0	2.0	.3	40	407	255	0	69.0	72.5	3023	0	3097
1872.0	2.0	.4	40	407	256	0	69.3	72.2	3034	0	3105
1595											
1874.0	2.0	.5	40	407	257	0	68.8	72.8	3030	0	3112
1876.0	2.0	.6	40	407	256	0	69.4	72.2	3025	0	3119
1878.0	2.0	.7	40	407	258	0	68.8	72.7	3018	0	3126
1880.0	2.0	.9	40	407	256	0	69.1	72.1	3008	0	3132
1882.0	2.0	1.1	44	356	255	0	69.9	72.3	3019	0	3136
1884.0	2.0	1.3	45	313	261	0	70.7	69.9	3028	0	3134
1886.0	2.0	1.5	41	306	265	0	70.2	69.4	3022	0	3129
1888.0	2.0	1.7	49	306	257	0	69.9	69.9	3006	0	3131
1890.0	2.0	2.0	35	306	271	0	69.5	69.7	2995	0	3133
1892.0	2.0	2.2	38	303	312	0	70.5	68.0	2950	0	3137
1610											
1894.0	2.0	2.2	40	359	275	0	70.6	67.9	2959	0	3142
1896.0	2.0	2.4	40	415	274	0	71.0	68.0	2966	0	3149
1898.0	2.0	2.5	40	415	275	0	71.1	67.6	2941	0	3155
1900.0	2.0	2.6	40	415	274	0	70.5	67.1	2937	0	3162
1902.0	2.0	2.8	39	315	275	0	71.5	68.4	3020	0	3165
1904.0	2.0	2.9	36	315	279	0	72.5	68.8	3058	0	3167
1906.0	2.0	3.0	42	315	273	0	72.8	67.7	3063	0	3169
1908.0	2.0	3.2	38	315	277	0	72.1	68.9	3065	0	3171
1910.0	2.0	3.3	38	315	277	0	72.1	68.8	3065	0	3176
1916.0	6.0	3.5	38	315	277	0	72.8	66.6	2982	0	3186
1630											
1918.0	2.0	3.7	40	315	275	0	70.3	68.6	2988	0	3193
1920.0	2.0	3.8	39	312	273	0	64.3	72.3	2878	0	3196
1922.0	2.0	4.0	35	311	274	0	54.7	76.2	2712	0	3199
1932.0	10.0	4.3	40	322	274	0	55.7	57.6	2925	0	3211
1934.0	2.0	4.5	39	317	281	0	75.5	68.7	3041	0	3219
1936.0	2.0	4.5	39	317	278	0	75.5	68.5	3038	0	3224
1938.0	2.0	4.6	40	317	273	0	75.5	68.5	3032	0	3230
1940.0	2.0	4.8	41	308	266	0	68.8	66.9	3046	0	3227
1942.0	2.0	5.0	35	308	277	0	72.7	69.5	3005	0	3227
1944.0	2.0	5.1	27	308	283	0	73.0	69.6	3015	0	3227
1650											
1946.0	2.0	5.3	31	308	271	0	72.7	69.6	2997	0	3228
1948.0	2.0	5.5	45	308	262	0	68.7	65.5	3013	0	3233
1950.0	2.0	5.6	44	307	264	0	78.9	65.1	3053	0	3235
1952.0	2.0	5.7	35	309	276	0	71.5	71.0	2992	0	3239
1954.0	2.0	5.9	33	309	275	0	70.2	72.5	3023	0	3244
1956.0	2.0	6.1	36	309	278	0	70.0	72.4	3018	0	3250
1958.0	2.0	6.2	40	325	278	0	70.7	68.8	3076	0	3257

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1664											
1960.0	2.0	6.3	40	325	283	0	68.1	72.0	2923	0	3264
1962.0	2.0	6.6	40	315	269	0	66.1	68.5	2739	0	3262
1964.0	2.0	6.8	34	315	284	0	67.7	68.0	2795	0	3265
1966.0	2.0	6.9	33	315	283	0	68.1	68.8	2800	0	3270
1970.0	4.0	7.1	34	315	281	0	67.5	68.1	2806	0	3273
1972.0	2.0	7.2	32	315	285	0	67.1	69.0	2840	0	3277
1974.0	2.0	7.5	42	320	275	0	67.7	69.5	2843	0	3277
1976.0	2.0	8.0	45	315	282	0	64.3	66.5	2914	0	3279
1978.0	2.0	8.5	29	315	280	0	69.2	73.5	3065	0	3282
1980.0	2.0	9.0	37	315	279	0	68.1	73.6	3034	0	3285
1684											
1982.0	2.0	9.4	32	315	286	0	67.4	73.2	3006	0	3289
1984.0	2.0	9.5	27	315	289	0	67.9	72.9	3013	0	3293
1986.0	2.0	9.6	30	326	308	0	67.6	72.8	3023	0	3296
1988.0	2.0	9.6	35	328	294	0	57.3	73.2	3030	0	3299
1990.0	2.0	9.8	36	328	292	0	69.0	67.5	3055	0	3302
1992.0	2.0	9.9	39	327	272	0	70.7	70.9	3085	0	3306
1994.0	2.0	10.0	40	326	272	0	70.7	70.8	3102	0	3310
1996.0	2.0	10.2	40	326	283	0	70.8	71.2	3111	0	3314
1998.0	2.0	10.4	40	326	275	0	64.7	73.6	3094	0	3317
2000.0	2.0	10.5	40	326	274	0	64.4	77.0	3098	0	3323
1704											
2002.0	2.0	10.6	43	326	286	0	64.7	75.4	3055	0	3328
2004.0	2.0	10.8	48	326	276	0	65.2	74.1	3032	0	3332
2006.0	2.0	11.0	43	326	281	0	64.8	72.0	3016	0	3334
2008.0	2.0	11.2	48	326	281	0	68.8	69.6	3002	0	3333
2010.0	2.0	11.3	47	326	281	0	69.0	69.6	2995	0	3335
2012.0	2.0	11.5	42	326	283	0	66.6	72.5	3036	0	3340
2014.0	2.0	12.0	46	326	287	0	68.9	74.4	3159	0	3343
2016.0	2.0	12.3	42	328	292	0	64.0	70.6	3143	0	3342
2018.0	2.0	12.6	42	330	288	0	67.8	73.2	3070	0	3346
2020.0	2.0	12.9	34	330	297	0	67.6	72.8	3047	0	3349
1724											
2022.0	2.0	13.0	28	330	311	0	67.4	72.9	3051	0	3353
2024.0	2.0	13.1	28	330	304	0	67.5	73.1	2988	0	3359
2026.0	2.0	13.4	35	330	288	0	52.7	68.0	2729	0	3361
2028.0	2.0	13.8	40	330	292	0	61.1	64.5	2610	0	3360
2030.0	2.0	13.9	36	330	294	0	69.1	72.1	3078	0	3363
2032.0	2.0	14.1	38	330	294	0	69.1	71.9	3081	0	3369
2034.0	2.0	14.2	37	330	298	0	68.8	71.7	3081	0	3377
2036.0	2.0	14.3	36	330	295	0	67.3	72.1	3105	0	3385
2038.0	2.0	14.5	34	330	295	0	65.6	74.3	3047	0	3392
2040.0	2.0	14.7	41	330	290	0	65.6	74.7	3053	0	3396
1744											
2042.0	2.0	14.8	46	330	280	0	65.2	74.8	3033	0	3399
2044.0	2.0	15.0	51	330	286	0	63.7	74.2	3027	0	3403
2046.0	2.0	15.1	41	330	284	0	64.6	75.7	3058	0	3406
2048.0	2.0	15.2	42	330	284	0	55.6	64.6	2593	0	3409
2050.0	2.0	15.4	47	330	279	0	66.9	73.8	3054	0	3412
2052.0	2.0	15.5	40	330	292	0	67.7	74.0	3091	0	3416
2054.0	2.0	15.8	48	332	278	0	67.1	68.4	2965	0	3415
2056.0	2.0	16.0	49	334	287	0	66.6	66.7	3116	0	3412
2058.0	2.0	16.1	50	334	282	0	67.4	75.1	3149	0	3416
2060.0	2.0	16.3	48	334	286	0	68.1	75.2	3166	0	3419
1763											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1763											
2062.0	2.0	16.5	44	334	291	0	68.2	75.3	3161	0	3426
2064.0	2.0	16.6	39	334	289	0	65.0	72.6	3106	0	3430
2066.0	2.0	17.0	40	334	298	0	65.7	74.6	3064	0	3425
2068.0	2.0	17.5	46	334	286	0	65.5	74.7	3056	0	3423
2070.0	2.0	17.7	48	334	294	0	64.9	74.7	3043	0	3427
2071.0	1.0	17.9	40	334	293	0	65.2	74.9	3039	0	3429
NEW BIT ID: 8											
2072.0	.0	.1	27	347	316	0	44.2	60.9	3032	0	3427
2074.0	2.0	.2	30	347	316	0	59.0	79.1	3031	0	3432
2076.0	2.0	.5	29	347	317	0	59.4	78.7	3000	0	e3440
2078.0	2.0	.9	30	344	313	0	61.8	75.1	2904	0	3454
1785											
2080.0	2.0	1.2	35	341	304	0	42.8	44.5	2847	0	3442
2082.0	2.0	1.6	37	341	303	0	70.7	80.5	2846	0	3448
2084.0	2.0	2.0	34	341	312	0	66.2	83.0	2822	0	3452
2086.0	2.0	2.1	30	341	309	0	61.4	68.4	2830	0	3458
2088.0	2.0	2.2	40	341	295	0	60.6	69.7	2841	0	3464
2090.0	2.0	2.3	51	341	292	0	60.6	69.4	2837	0	3468
2092.0	2.0	2.4	40	331	291	0	64.6	74.7	2838	0	3471
2094.0	2.0	2.5	31	321	289	0	66.6	68.6	2968	0	3475
2096.0	2.0	2.7	29	321	292	0	68.3	69.8	2973	0	3480
2098.0	2.0	2.9	26	321	290	0	67.9	70.2	2965	0	3481
1805											
2100.0	2.0	3.1	25	321	297	0	68.3	70.0	2956	0	3483
2102.0	2.0	3.3	25	321	294	0	64.4	66.8	2943	0	3486
2104.0	2.0	3.6	26	323	293	0	62.5	71.7	2994	0	3487
2106.0	2.0	4.0	23	325	305	0	66.3	68.8	2881	0	3488
2108.0	2.0	4.2	35	327	289	0	66.9	66.4	2820	0	3490
2110.0	2.0	4.4	38	327	287	0	66.7	66.2	2818	0	3493
2114.0	4.0	4.6	31	328	292	0	66.0	68.0	2900	0	3500
2116.0	2.0	5.3	38	329	292	0	65.7	72.2	3058	0	3503
2118.0	2.0	6.1	40	329	286	0	65.6	73.4	3024	0	3506
2120.0	2.0	6.9	41	329	287	0	65.4	73.3	2991	0	3509
1829											
2122.0	2.0	8.4	50	335	281	0	65.5	72.0	2974	0	3512
2124.0	2.0	9.6	41	329	286	0	65.2	74.0	2967	0	3515
2126.0	2.0	10.5	42	329	284	0	62.9	74.8	2953	0	3519
2128.0	2.0	11.4	48	329	280	0	66.3	74.3	3053	0	3523
2130.0	2.0	11.8	46	329	284	0	67.9	74.2	3080	0	3526
2132.0	2.0	12.1	45	329	284	0	66.6	73.3	3046	0	3527
2134.0	2.0	12.4	46	329	281	0	66.4	75.8	3090	0	3533
2136.0	2.0	12.9	49	329	280	0	66.6	75.7	3093	0	3536
2138.0	2.0	13.2	45	329	283	0	67.2	75.7	3112	0	3540
2142.0	4.0	13.7	43	329	281	0	67.4	75.2	3110	0	3545
1858											
2144.0	2.0	14.3	41	329	286	0	66.8	71.0	2897	0	3549
2146.0	2.0	14.6	44	329	286	0	68.0	74.2	3059	0	3553
2148.0	2.0	14.8	47	329	278	0	68.6	73.3	3065	0	3556
2152.0	4.0	15.6	41	329	286	0	65.6	75.9	3076	0	3563
2156.0	4.0	18.5	50	332	277	0	70.4	67.8	2856	0	3567
2158.0	2.0	20.4	49	333	287	0	75.3	63.0	2787	0	3573
2160.0	2.0	20.7	50	338	287	0	70.6	63.2	2831	0	3576

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1877											
2162.0	2.0	21.4	60	343	277	0	63.5	76.2	2610	0	3579
2164.0	2.0	22.9	57	340	280	0	70.8	70.3	2812	0	3582
2166.0	2.0	24.9	57	336	278	0	69.4	69.6	2778	0	3585
2168.0	2.0	26.5	55	336	281	0	66.9	72.3	2798	0	3588
2170.0	2.0	26.9	47	336	287	0	65.2	76.2	2826	0	3593
2172.0	2.0	27.1	45	336	289	0	62.3	73.6	2807	0	3596
2174.0	2.0	27.4	49	336	284	0	63.3	76.9	2810	0	3599
2176.0	2.0	27.7	48	336	291	0	63.2	76.8	2826	0	3603
2180.0	4.0	28.1	50	338	286	0	68.1	75.0	2940	0	3608
2182.0	2.0	28.5	52	339	286	0	74.6	73.2	3087	0	3612
1909											
2184.0	2.0	28.7	51	339	286	0	74.8	72.8	3142	0	3616
2186.0	2.0	29.1	52	339	286	0	74.9	72.7	3219	0	3619
2188.0	2.0	29.4	50	334	287	0	67.2	70.3	3075	0	3622
2190.0	2.0	29.7	42	329	286	0	67.5	74.1	3045	0	3626
2192.0	2.0	30.0	43	330	288	0	71.2	66.8	2927	0	3629
2194.0	2.0	30.3	45	330	282	0	68.2	62.7	2779	0	3632
2196.0	2.0	30.7	45	330	282	0	62.6	76.9	2983	0	1246
2198.0	2.0	31.2	39	330	291	0	62.2	75.1	3056	0	3639
2200.0	2.0	31.6	37	330	290	0	66.2	76.8	3115	0	3642
2202.0	2.0	31.9	39	330	286	0	65.7	77.1	3081	0	3646
1930											
2204.0	2.0	32.2	44	330	283	0	65.4	77.2	3056	0	3649
2206.0	2.0	32.5	48	330	283	0	65.5	76.6	2923	0	3652
2208.0	2.0	33.4	39	330	285	0	64.0	71.7	2766	0	3655
2210.0	2.0	34.2	45	330	280	0	65.4	72.7	2801	0	3659
2212.0	2.0	34.4	42	330	284	0	65.5	72.6	2913	0	3662
2214.0	2.0	34.7	47	330	282	0	65.9	72.7	2803	0	3665
2218.0	4.0	35.1	39	330	291	0	63.2	71.5	2759	0	3671
2220.0	2.0	35.5	32	330	299	0	63.2	75.2	2717	0	3675
2222.0	2.0	35.8	30	330	299	0	63.2	75.5	2827	0	3679
2224.0	2.0	36.1	30	330	299	0	63.2	75.4	2850	0	3682
1954											
2226.0	2.0	36.5	28	331	301	0	63.3	75.7	2768	0	3685
2228.0	2.0	36.9	38	343	299	0	70.7	67.3	2905	0	3689
2230.0	2.0	37.2	40	344	302	0	74.2	65.4	2734	0	3692
2232.0	2.0	37.5	41	344	302	0	74.2	67.1	2796	0	3695
2234.0	2.0	37.9	41	344	300	0	74.5	67.0	2829	0	3699
2236.0	2.0	38.2	40	344	302	0	71.8	67.9	2762	0	3702
2238.0	2.0	39.3	41	344	300	0	68.4	74.1	2807	0	3705
2240.0	2.0	40.5	48	344	295	0	67.6	74.0	2751	0	3708
2242.0	2.0	41.5	47	344	295	0	67.4	73.9	2761	0	3711
2244.0	2.0	42.6	47	344	297	0	67.3	74.0	2856	0	3714
1984											
2246.0	2.0	44.1	44	342	298	0	72.9	60.2	2630	0	3719
2248.0	2.0	44.9	46	342	295	0	69.8	72.8	2750	0	3721
2250.0	2.0	45.9	42	335	297	0	69.0	72.7	2749	0	3724
2251.6	1.6	46.8	37	342	298	0	54.9	57.6	2818	0	3728
NEW BIT ID: 9											
2252.0	.0	.4	40	366	323	.0	70.0	65.0	2675	0	3725
2254.0	2.0	.8	40	366	323	0	70.5	66.0	2606	0	3727
2256.0	2.0	1.1	41	366	323	0	72.0	64.0	2712	0	3734

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2007											
2258.0	2.0	1.2	44	366	323	0	75.0	67.0	2883	0	3742
2260.0	2.0	1.4	48	366	323	0	75.0	67.0	2862	0	3750
2262.0	2.0	1.5	53	366	323	0	75.0	67.0	2906	0	3758
2264.0	2.0	1.6	52	366	323	0	75.0	67.0	2999	0	3765
2266.0	2.0	1.7	54	366	323	0	72.0	69.5	2867	0	3773
2268.0	2.0	1.9	48	366	323	0	71.0	72.0	2858	0	3781
2270.0	2.0	2.0	48	366	323	0	72.0	72.0	2769	0	3789
2272.0	2.0	2.2	51	366	323	0	71.0	71.5	2677	0	3793
2274.0	2.0	2.4	51	366	323	0	70.5	72.0	2669	0	3795
2276.0	2.0	2.6	51	366	323	0	71.0	71.5	2687	0	3794
2027											
2278.0	2.0	2.8	50	366	323	0	70.0	71.0	2689	0	3793
2280.0	2.0	3.0	50	366	323	0	70.0	70.0	2678	0	3793
2282.0	2.0	3.2	51	366	323	0	71.0	70.0	2697	0	3792
2284.0	2.0	3.4	50	366	323	0	69.5	70.5	2730	0	3792
2286.0	2.0	3.8	49	366	323	0	69.0	71.5	2828	0	3795
2288.0	2.0	4.2	49	366	323	0	69.0	71.0	2862	0	3799
2290.0	2.0	4.5	50	366	323	0	69.0	70.0	2909	0	3802
2292.0	2.0	4.6	38	366	323	0	71.3	69.0	2911	0	3805
2294.0	2.0	4.8	40	366	323	0	74.2	67.1	2942	0	3806
2296.0	2.0	5.1	49	366	323	0	73.4	66.9	2847	0	3798
2046											
2298.0	2.0	5.3	48	366	323	0	73.2	67.5	2834	0	3792

PE603787

This is an enclosure indicator page.
The enclosure PE603787 is enclosed within the container PE906383 at this location in this document.

The enclosure PE603787 has the following characteristics:

ITEM_BARCODE	PE603787
CONTAINER_BARCODE	PE906383
NAME	Extended Services Log
BASIN	GIPPSLAND
PERMIT	VIC/L1
TYPE	WELL
SUBTYPE	WELL_LOG
DESCRIPTION	Extended Services (Geo-Plot) Log for Seahorse-1
REMARKS	
DATE_CREATED	24/08/78
DATE_RECEIVED	
W_NO	W705
WELL_NAME	SEAHORSE-1
CONTRACTOR	CORE LABORATORIES
CLIENT_OP_CO	ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603788

This is an enclosure indicator page.
The enclosure PE603788 is enclosed within the container PE906383 at this location in this document.

The enclosure PE603788 has the following characteristics:

ITEM_BARCODE	= PE603788
CONTAINER_BARCODE	= PE906383
NAME	= Extended Services Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L1
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Extended Services (Geo-Plot) Log for Seahorse-1
REMARKS	=
DATE_CREATED	= 24/08/78
DATE_RECEIVED	=
W_NO	= W705
WELL_NAME	= SEAHORSE-1
CONTRACTOR	= CORE LABORATORIES
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603789

This is an enclosure indicator page.
The enclosure PE603789 is enclosed within the container PE906383 at this location in this document.

The enclosure PE603789 has the following characteristics:

ITEM_BARCODE	= PE603789
CONTAINER_BARCODE	= PE906383
NAME	= Extended Services Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L1
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Extended Services (Drill) Log for Seahorse-1
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W705
WELL_NAME	= SEAHORSE-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603790

This is an enclosure indicator page.
The enclosure PE603790 is enclosed within the container PE906383 at this location in this document.

The enclosure PE603790 has the following characteristics:

ITEM_BARCODE	= PE603790
CONTAINER_BARCODE	= PE906383
NAME	= Temperature Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L1
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Temperature Log for Seahorse-1
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W705
WELL_NAME	= SEAHORSE-1
CONTRACTOR	= CORE LABORATORIES
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603791

This is an enclosure indicator page.
The enclosure PE603791 is enclosed within the container PE906383 at this location in this document.

The enclosure PE603791 has the following characteristics:

ITEM_BARCODE	= PE603791
CONTAINER_BARCODE	= PE906383
NAME	= Pressure Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L1
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Pressure Log for Seahorse-1
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W705
WELL_NAME	= SEAHORSE-1
CONTRACTOR	= CORE LABORATORIES
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603792

This is an enclosure indicator page.
The enclosure PE603792 is enclosed within the container PE906383 at this location in this document.

The enclosure PE603792 has the following characteristics:

ITEM_BARCODE	= PE603792
CONTAINER_BARCODE	= PE906383
NAME	= Mud Log (Grapholog)
BASIN	= GIPPSLAND
PERMIT	= VIC/L1
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Mud Log (Grapholog) for Seahorse-1
REMARKS	=
DATE_CREATED	= 16/08/78
DATE_RECEIVED	=
W_NO	= W705
WELL_NAME	= SEAHORSE-1
CONTRACTOR	= CORE LABORATORIES
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)