ESSO AUSTRALIA LTD.

BARRACOUTA # 4

EXTENDED SERVICE WELL REPORT

ENCLOSURE 6

EXTENDED SERVICES

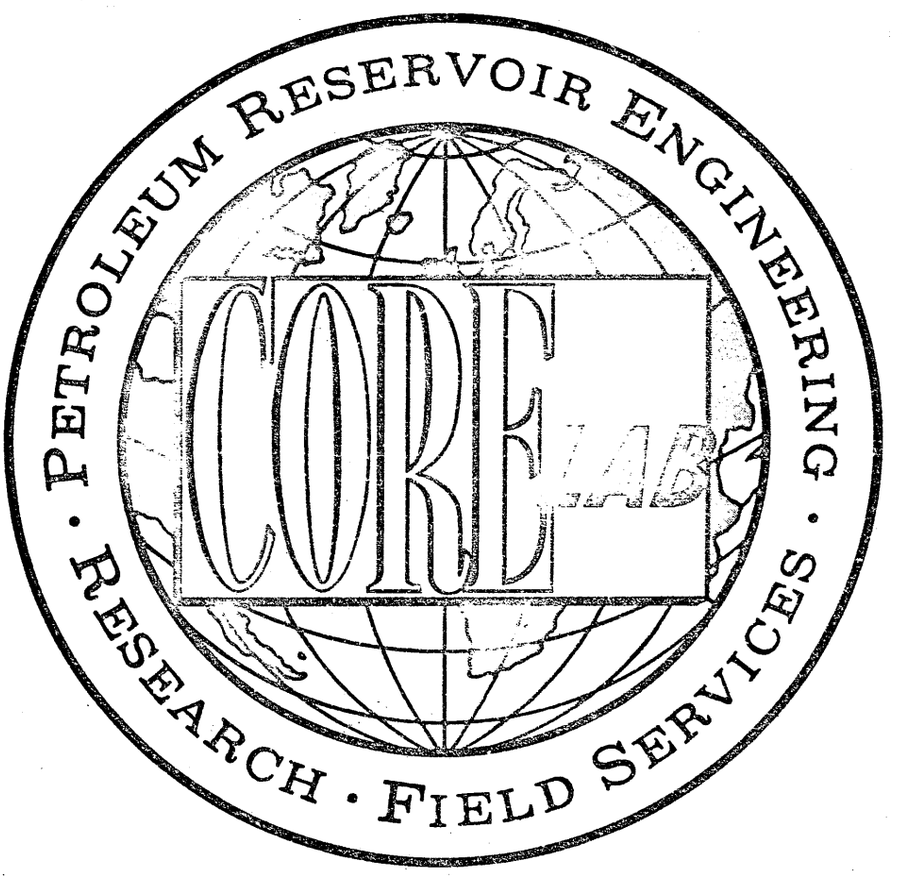
BARRACOUTA-4

(W 688)

EXTENDED SERVICE

ESSO AUSTRALIA, LTD.,
BARRACOUTA # 4
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, 2821587
TELEX: CORELAB RS 21423

20th MAY 1977

ESSO AUSTRALIA, LTD.,
P.O. BOX 372,
SALE, 3850
VICTORIA.
AUSTRALIA.

ATTENTION MR. L.D. ATTAWAY.

Dear Sir,

Accompanying this well summary report, for your inspection and referance, are all logs and relavent data (computer recorded) pertaining to the drilling and activities of BARRACOUTA # 4. If you have any queries or suggestions on the presentation of this well report and data found within, do not hesitate to contact us.

CORE LABORATORIES appreciates being of special assistance to ESSO AUSTRALIA during the entire drilling operations of BARRACOUTA # 4 and look forward to our continuing association on future exploratory work in Australia.

Yours Sincerely

S. La Rosa.

S.R. LA ROSA
(UNIT SUPERVISOR)

BARRACOUTA # 4 was drilled by ESSO AUSTRALIA in the Gippsland Basin of the Bass Strait. The development well was drilled by ODECO's semi-submersible drilling rig, Ocean Endeavour. The well was spudded in a water depth of 153' on the 30th. of March 1977 and total depth of 4783' was reached at 1305 hours on the 22nd. of April 1977.

Well location co-ordinates being :-

Latitude :	38°	17'	~~21.667~~ 20.789"	S
Longitude :	147°	42'	~~4.015~~ 03.184"	E

A Core Laboratories Extended Services fully integrated computer unit (with back-up facilities) was located on board the Ocean Endeavour to monitor all drilling parameters below 20" casing depth. 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 the following :-

Unit Supervisor	-	Sal La Rosa
E.S. Engineer	-	Mike Warner
E.S. Engineer	-	Ingolf Hansen
Mud Loggers	-	Joseph Greener
		David Gilbert
		Ron Wigham

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 & Other Geological Testing Equipment.
6 Chart Recorders For All Drilling Parameters.

B. CORE ANALYSING

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

C. COMPUTER SYSTEM & PERIPHERALS

2 Hewlett Packard 2100A 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 Sensor.
1 Rotary Torque Sensor.
1 Pump Pressure Sensor.
1 Casing Pressure Sensor.
1 Mud Flow Out Sensor.
1 Gas Trap.
1 Depth & Rate Of Penetration Sensor.
2 Pump Stroke Counters.
3 Pit Level Sensors.
1 Trip Tank Level Sensor.
1 Six-Extension Intercom System.

E. PRESSURE TESTING EQUIPMENT

1 Hewlett Packard 2811B Quartz Pressure Gauge System.

RIG DESCRIPTION

The Ocean Endeavour is a self-propelled octagonal shaped semi-submersible drilling rig, constructed for Ocean Drilling & 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 2 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" Traveling Block, rated 650 ton.

1 Continental-Emsco 650 ton Swivel, L650.

1 Bryon-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 Milchem Triple RVS-96 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 well-site 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 1:6000

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 semi log scale and shale density on a linear 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 & 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 a stabilised 30°F. then chemicals are added to the mud system, the temperature of the same quantity of mud is reduced only 15°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 temperatures 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 well-site 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 1:6,000 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 1:6,000 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.

HP Quartz Pressure Gauge

This highly accurate bottomhole pressure gauge is used in conjunction with the Schlumberger F.I.T. tool. The Hewlett

Packard Quartz Pressure Guage measures well bore pressure with a resolution of 0.01 psi over a dynamic range in excess of 10,000 psi. This capability makes it possible to accurately measure pressure changes that cannot be detected with conventional gauges using bourdon tube transducers.

WELL LOG PARAMETERS

1. Grapholog

   Scale 1:400, 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 1:6,000, 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 1:6,000, containing flowline temperature, $\triangle$ T:- flowline temperature minus suction temperature, end to end plot (dimensionless).

4. E.S. Pressure Log

   Scale 1:6,000, containing formation pore pressure, equivalent circulating density, formation fracture gradient.

5. E. S. Geoplot 1

Scale 1:6,000, 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 1:6,000, containing weight on bit, rotary RPM, mud density in and pump pressure.

BARRACOUTA # 4 WELL SUMMARY

Barracouta # 4 was spudded on the 30th. March 1977, water depth being 153 feet. A 26" hole was drilled from the sea floor to 718' using sea water, with returns to the sea floor. 20" casing was set at 657', followed by B.O.P. and 20" marine riser emplacement.

A 17.5" hole was drilled from 718' to 3200'. The lithology over the section 718' to 2640' consisted mainly of soft to firm calcarenite grading to calcareous siltstones. The low background gas, absence of connection gas, low torque and few cavings indicated that this section was normally pressured and drilling took place in an overbalanced condition. The uncompacted nature of the sediments and the variability of the drilling rate tends to indicate that much of this section was drilled by jet extrusive action as well as bit cutting action. This is reflected in the erratic nature of the corrected 'd' exponent and the computer-calculated drilling porosity, as neither mathematical model is designed to correct for hydraulic or jet extrusive drilling. The nature of surface hole sediments and the effect of jet extrusive drilling hampers pressure predictions over this interval.

The interval 2645' to 2800' was predominately loose to poorly consolidated sandstone of medium to coarse grain. Rates of penetration between 2645 - 2951 feet ranged from 146 to 1560 feet/hour. Lost circulation was encountered at 2951' and after regaining partial returns, ISF - SONIC - GR logs were run to 2942' for correlation purposes over the interval of lost returns. Proceeded to drill to 3200' without returns. 13.375" casing was set at 3147' and a tempe-

rature log run from surface to 3053'.
Drilled out of shoe with 12.25" bit and 11.2 ppg fresh water/gel mud followed by a formation pressure test at 3225' equal to a 13.5 ppg mud weight equivalent. Lithology from 3200' to 3425' was mainly marl and minor siltstone and from 3425' to 4783' (T.D.) comprised of sandstone interbedded with coal and siltstone. The section 4065' - 4105' was coal and resulted in a 60 bbl drilling fluid loss, however after a flow check and drilling ahead, no significant loss of returns resulted. Controlled drilling the sand section between 3446' - 4232' and attempted to run an ISF - SONIC to 4232' but were unable to go deeper than 3124'. Proceeded to ream and mill junk and drilled to 4232' but were unable to go deeper than 3124'. Proceeded to ream and mill junk and drilled to 4240'. Run ISF -SONIC from 3940' - 3147'; FDC -GR - CNL from 3936' - 3147'; velocity survey; ISF - SONIC from 4237' - 3800'; HDT from 4015'-3147'; sidewall cores over interval 4000' - 3150', and opened hole to 16" over interval 3200' - 4240'. Run FDC - caliper - gamma ray logs prior to running 10.75" liner. Liner shoe set at 4244' and hung at 2670'. Run temperature survey and cement bond log.
Drilled out shoe with a 9.625" bit to 4274' and pressure tested formation to 13.5 ppg mud weight equivalent, then proceeded to 4566'. The lithology over this section being in the main loose quartz sands of fine to very coarse grain and poorly sorted, interbedded with thin coal seams.
Cores were cut over the following intervals:

Core 1	-	4566' - 4594'
Core 2	-	4594' - 4635'
Core 3	-	4635' - 4668'
Core 4	-	4668' - 4702'

and full descriptions of the above cores can be found at the tail of the grapholog enclosed within this report. The section 4702' - 4783' (T.D.) was essentially loose quartz sands with minor claystone/siltstone stringers. Final electric logs were run which included the following :

FDC - CNL - CALIPER	4783' - 4241'
GR	4783' - 3600'
ISF - SCT	4783' - 4241'
VELOCITY SURVEY	4783' - 4241'
HDC	4783' - 4241'
SIDE WALL CORES	4780' - 4250' (30)
FIT'S	4635' - 4649', 4646'
RFT'S	4745', 4695', 4678', 4649', 4648', 4647', 4646', 4635', 4648', 4722', 4693', 4655', 4648.5', 4634'

CONCLUSION

Considering all the data, processed and analyzed, it can be assumed that Barracouta # 4 was normally pressured throughout. Such findings can be confirmed in that part of the well which was subjected to direct formation pressure readings made by the HP quartz probe run with the 14 RFT's and 3 FIT's listed above, which revealed normally pressured formation. Most hole problems were of a mechanical nature and partially due to the fast drilling rates and formation characteristics in those sections of lost circulation. Possible coal fracturing, high equivalent circulating densities and partial "packing off" of the annulus by large coal cavings could account for the lost returns during the interval 4065'- 4105'.

Total loss of returns over the interval 2951'- 3200' could be attributed to a number of factors; excessively high, uncontrolled drilling rates leading to high loading of the annulus, and consequent increase in the equivalent circulating density and subsequent induced fracturing of the poorly consolidated sandstones could be one explanation, while high porosity/permeability of the sands with possible fractures coupled with the above could be another.
Leak off tests to determine formation pressure/fracturing pressures were made in marl and calcaremite, while no tests were made in the sand sections encountered. Thus, no estimation of the upper value limits for equivalent circulating density were ascertained for that portion of the hole which was sands/sandstone.

BIT DATA

VARIABLE	UNITS
BIT INTERVAL	FEET
SIZE	INCHES
JETS	32'S OF AN INCH
BIT RUN	FEET
CONDITION	TEETH/BEARING/GAUGE
OD'S, ID'S	INCHES
LENGTH	FEET
DEPTH	FEET
WOB	THOUSANDS OF POUNDS
PUMP RATE	STROKES PER MINUTE
FLOW RATE	GALLONS PER MINUTE
PUMP PRESSURE	POUNDS PER SQUARE INCH
MUD WEIGHT	POUNDS PER GALLON
PV	CENTIPOISE
YP	POUNDS PER 100 SQ.FT.
TEMPERATURE	FARANHEIT
PRESSURE DROPS (P)	POUNDS PER SECOND^2
JET VELOCITY	FEET PER SECOND
ANN. VELOCITIES	FEET PER MINUTE
ECD	POUNDS PER GALLON

CORE LAB ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 2 BIT NO. 1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	BASS STRAIT	236'-718

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	OSC-3AJ	482'	35700
	SIZE 17.5"/26"H.O	JETS 20/20/20	HOURS RUN 8.5	CONDITION 2-5-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3.0"	
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
					HUNG AT.

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

REMARKS:

DRILL WITH SEA WATER, ALL RETURNS TO SEA FLOOR
DS OF 1.25° AT 678'.
CIRCULATE BOTTOMS UP, SPOT MUD, MAKE SHORT TRIP TO BASE PLATE, CIRCULATE OUT, SPOT 450bbls MUD, DROP SURVEY AND PULL OUT OF HOLE.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 1010 RUN NO. 2 BIT NO. 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	718' - 2952'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	OSC3AJ	2234'	108000
	SIZE	JETS	HOURS RUN	CONDITION
	17.5"	20/20/20	14.4	2-6-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	567'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	20"	19124"		657'	HUNG AT.

DEPTH	2000					
WOB	28					
RPM	128					
PUMP RATE	121					
FLOWRATE	588					
PUMP PRESS	2490					
MW	8.9					
PV	5					
YP	2					
SAND %						
TEMP.	88					
Psurface	4					
Pstring	1002					
Pbit	1487					
Pannulus	2					
Ptotal	2495					
HHP	1068					
IMPACTFORCE	2600					
JET VEL	452					
DC/OH	60					
DP/OH	51					
DP/CSG	40					
ECD	9.1					

REMARKS;

DEPTH CORRECTION OF - 71' AT 1580'.
1806' PUMP 50bbls SLUG, CIRCULATE OUT, DROP SURVEY, TRIP TO SHOE, TIGHT SPOT AT 1488' - REAM AND PULL TO SHOE. RECOVER SURVEY, 0.75°. STRAP PIPE IN DERRICK , DEPTH CORRECTION OF +94', TOTAL DEPTH NOW 1900'.
LOST CIRCULATION AT 2947'- 70 bbls LOST, PULL 8 STANDS AND FILL HOLE. TOTAL LOSS OF 290bbls. PULL TO SHOE AND CIRCULATE OUT. PULL OUT OF HOLE TO RUN ELECTRIC LOGS FOR CORRELATION PURPOSES.
ALL HYDRAULICS CALCULATED USING 95% PUMP EFFICIENCY.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 1010 RUN NO. 3 BIT NO. 3

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	2952 -3201'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	OSC3AJ	249'	70000
	SIZE	JETS	HOURS RUN	CONDITION
	17.5"	20/20/20	9.8	1-5-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	≠ 3"	101.93'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	20"	19.124"		657'	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;

DRILLING BLIND, WITHOUT RETURNS.
CONTROLLED DRILLING, WITH SEA WATER.
LOW WOB DUE TO ONLY 101.93' OF DRILL COLLARS.
SPOT HOLE WITH MUD BEFORE TRIP AND ELECTRIC LOGS.

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 4 BIT NO. 4

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	3201'-3573'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	X3A	372'	41000
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	16/16/16	8.6	6-2-.06"

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	474.36'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	HUNG AT.

DEPTH	3350					
WOB	19					
RPM	91					
PUMP RATE	129					
FLOW RATE	680					
PUMP PRESS	2410					
MW	11.2					
PV	18					
YP	12					
SAND %						
TEMP.	85					
Psurface	17					
Pstring	733					
Pbit	1655					
Pannulus	14					
Ptotal	2419					
HHP	720					
IMPACTFORCE	1852					
JET VEL	428					
DC/OH	193					
DP/OH	133					
DP/CSG	129					
ECD	11.3					

REMARKS;

DRILL OUT CEMENT, START DRILLING FORMATION AT 0540hours.

FORMATION PRESSURE TEST TO 13.5ppg.

CIRCULATE BOTTOMS UP AT 3400'.

CIRCULATE BOTTOMS UP AT 3425'.

PULL OUT OF HOLE FOR NB # 5.

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 5 BIT NO. 5

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	3573'-4232'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	X3A	659'	165000
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	16/16/16	23.3	8-8-.125"

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	564.95'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	HUNG AT.

DEPTH	3700	3800	3900	4000		
WOB	45	20	39	45		
RPM	122	114	120	118		
PUMP RATE	149	143	123	127		
FLOWRATE	716	704	602	620		
PUMP PRESS	2720	2619	2000	2140		
MW	11.2	11.2	11.3	11.3		
PV	21	21	21	21		
YP	13	13	13	13		
SAND %						
TEMP.	93.7	98.1	101.4	101		
Psurface	20	20	20	20		
Pstring	939	913	734	785		
Pbit	1745	1686	1259	1334		
Pannulus	19	19	18	18		
Ptotal	2723	2638	2031	2157		
HHP	765	735	466	523		
IMPACTFORCE	1953	1887	1409	1493		
JET VEL	431	428	369	382		
DC/OH	204	200	171	176		
DP/OH	140	138	118	121		
DP/CSG	136	133	114	118		
ECD	11.5	11.5	11.6	11.4		

REMARKS;

GAS KICK , 400units HOT WIRE CUT MUD TO 10.6ppg AT 3610'.
PUMP # 1 DOWN, BACK WORKING 0605hours AT 3631'.
AT 4232' CIRCULATE BOTTOMS UP, RUN SHORT TRIP, CIRCULATE BOTTOMS UP, PULL OUT OF HOLE FOR ELECTRIC LOGS AND TO RUN 10.75" LINER.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 1010 RUN NO. 6 BIT NO. 6

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4232' -4240'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	XD7	8'	2000
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	18/18/18	3	1-1-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	474.36'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	13.375"	12.415"		3147'	

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;

RUN IN HOLE, TIGHT SPOT AT 4059', REAM TO 4223', CIRCULATE TO CLEAN HOLE, PULL OUT OF HOLE, TIGHT SPOT AT 4030', RUN BACK IN, CIRCULATE BOTTOMS UP TWICE. TIGHT SPOT AGAIN AT 3850'. RUN IN HOLE AND CIRCULATE, PULL OUT, RUN ELECTRIC LOGS, TIGHT HOLE AT 3830'.

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 7 BIT NO. 6RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	3201'- 3632'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	XD7 w/15"UNDERREAM	431'	-
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	18/18/18	-	-

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	474.36'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	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;

RE-RUN BIT # 6 WITH 15" UNDERREAMER TO ALLOW SETTING OF 10.75" LINER.

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 8 BIT NO. 6RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	3632'- 4240'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	XD7 w/15" UNDERREAMER	608'	-
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	18/18/18	-	-

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	47346
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	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;

PULL OUT OF HOLE TO RUN 10.75" LINER.

CORE LAB ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 9 BIT NO. 6RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4240'-4254'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	XD7	14'	-
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	18/18/18	-	-

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	474.36'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	HUNG AT.

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

REMARKS;

ATTEMPTED TO RUN LINER, STUCK, PULL LINER OUT OF HOLE
TO FIND HAVE LOST 24 CENTRALIZERS DOWN HOLE. PICK UP
BIT AND JUNK SUB TO RUN IN AND MILL JUNK.
DRILL AN EXTRA 14'.
PULL OUT OF HOLE TO RUN LINER.

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 10 BIT NO. 7

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4254'-4570'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	X1G	316'	31000
	SIZE	JETS	HOURS RUN	CONDITION
	9.625"	12/12/10	5.1	4-6-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	566.40'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	13.375"	12.415"		3147'	
	10.75"	9.95"		4244'	2670'

DEPTH	4370	4561				
WOB	18	23				
RPM	101	108				
PUMP RATE	90	93				
FLOWRATE	444	460				
PUMP PRESS	2810	2880				
MW	11.2	10.7				
PV	18	18				
YP	12	12				
SAND %						
TEMP.	98	103				
Psurface	20	19				
Pstring	454	454				
Pbit	2328	2371				
Pannulus	31	36				
Ptotal	2833	2880				
HHP	610	635				
IMPACTFORCE	1315	1341				
JET VEL	507	521				
DC/OH	216	224				
DP/OH	-	-				
DP/CSG	147	152				
ECD	11.4	10.8				

REMARKS;

PRESSURE INTEGRETY TEST TO 13.5 ppg MUD WEIGHT EQUIVALENT AT 4274'

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 11 BIT NO. CB 1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4566'-4594'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C-22	27'	10900
	SIZE 8.47"	JETS -	HOURS RUN 3.5	CONDITION GOOD

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	623.75'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	HUNG AT.
	10.75"	9.95"		4244'	2670'

DEPTH	4580					
WOB	15					
RPM	50					
PUMP RATE	52					
FLOW RATE	265					
PUMP PRESS	637					
MW	10.6					
PV	18					
YP	14					
SAND . %						
TEMP.	97					
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD	10.8					

REMARKS;

DRILLERS DEPTH CORRECTION AT 4570' BACK TO 4566'
CORED 27'. CORE BARREL JAMMED P.O.O.H

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 1010 RUN NO. 12 BIT NO CB. 1RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4594'-4635'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C-22	41'	14400
	SIZE	**JETS**	**HOURS RUN**	**CONDITION**
	8.47"	-	4.0	FAIR

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5.0"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	623.75'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	13.375"	12.415"		3147'	
	10.75"	9.95"		4244'	2670'

DEPTH	4620					
WOB	20					
RPM	60					
PUMP RATE	54					
FLOWRATE	265					
PUMP PRESS	1000					
MW	10.6					
PV	19					
YP	14					
SAND - %						
TEMP.	92					
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD	10.8					

REMARKS;

CORED TO 4635'. 4' FAST BREAK.
P.O.O.H RECOVERED 27'.HYDROCARBONS IN BOTTOM SECTION OF RECOVERED CORE. STRAPPED PIPE 42 STANDS.

CORE LAB ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 13 BIT NO. CB. 1RR.

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4635'-4668'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C-22	33'	3800
	SIZE 8.47"	JETS -	HOURS RUN 2	CONDITION FAIR

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5.0"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	623.75'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	13.375"	12.415"		3147'	
	10.75"	9.95"		4244'	2670'.

DEPTH	4660					
WOB	20					
RPM	30					
PUMP RATE	35					
FLOW RATE	172					
PUMP PRESS	800					
MW	10.6					
PV	19					
YP	14					
SAND %						
TEMP.	92					
Psurface						
Pstring						
Pbit						
Pannulus						
Ptotal						
HHP						
IMPACTFORCE						
JET VEL						
DC/OH						
DP/OH						
DP/CSG						
ECD	10.8					

REMARKS;

CUT CORE NUMBER 3 CORE JAMMED. PUMPED SLUG . P.O.OH.

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 14 BIT NO. CB 3RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4668' - 4702'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C-22	34'	6000
	SIZE	JETS	HOURS RUN	CONDITION
	8.47"	-	1.5	FAIR

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	623.75'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	HUNG AT.
	10.75"	9.95"		4244'	2670'

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

REMARKS;

pump slug, pull out of hole.
100% recovery.

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 1010 RUN NO. 15 BIT NO. 8

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	4702' - 4783'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	X1G	81'	9000
	SIZE	JETS	HOURS RUN	CONDITION
	9.625"	10/12/12	1.1	1-1-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	565.2'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		3147'	HUNG AT.
	10.75"	9.95"		4244'	2670'

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

REMARKS;

RUN IN HOLE TO 4407', WASH AND REAM TIGHT HOLE, 4407'-4570'.
REAM RAT HOLE FROM 4570' TO 4702'.
DRILL FROM 4702' TO 4783', TOTAL DEPTH.
CIRCULATE OUT AND CONDITION MUD. RUN SHORT 6 STAND WIPER TRIP.
CIRCULATE OUT AND CONDITION MUD PRIOR TO PULLING OUT OF HOLE
TO RUN ELECTRIC LOGS.

MUD DATA

VARIABLE	UNITS
DEPTH	FEET
MUD WEIGHT	POUNDS PER GALLON
FUNNEL VISCOSITY	A.P.I. SECONDS
PLASTIC VISCOSITY	CENTIPOISE
YIELD POINT	LBS./100 SQ.FT.
GEL: INITIAL/10 MIN.	LBS./100 SQ.FT.
FILTRATE	CC./30 MINUTES
CAKE THICKNESS	THIRTY SECONDS OF AN INCH
SALINITY	PPM
SOLIDS/SAND/OIL	PERCENTAGE

CORE LAB

MUD INFORMATION DATA SHEET

ESP

UNIT NO. 1010 SHEET NO. 1

COMPANY	WELL	LOCATION
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN

DEPTH	719	719	2225	2415	2700	3052	3201
DATE	31/3/77	1/4	1/4	1/4	2/4	2/4	3/4
TIME	2200	0300	1200	1800	0300	1500	1200
WEIGHT	8.6	8.5	8.9	8.9	9.0	Seawater	8.6
FUNNEL VISCOSITY	30	32	33	34	35	-	41
PLASTIC VISCOSITY			4	5	5		9
YIELD POINT			7	10	11		13
GEL INITIAL/10 MIN				6/12	5/12		10/20
pH				9	9.5		9.5
FILTRATE			NC	NC	NC		24
CAKE				13000	11000		10000
SALINITY				-/.75/0	4.4/.75/-		
SOLIDS/SAND/OIL							

REMARKS:

DEPTH	3201	3201	3201	3225	3429	3430	3612
DATE	4/4	5/4	6/4	7/4	8/4	8/4	8/4
TIME	0300	1200	0300	0300	0300	0330	1800
WEIGHT	8.6	8.6	11.2	11.2	11.2	11.1^{+}	11.1^{+}
FUNNEL VISCOSITY	43	42	41	43	43	44	45
PLASTIC VISCOSITY	9	(Pits)	21	19	18	22	21
YIELD POINT	14		15	11	13	12	13
GEL INITIAL/10 MIN	9.0/22		6/14	3/10	4/10	3/10	3/9
pH	9.5		11	10	10	10	10
FILTRATE	26		8.2	7	6.8	7.0	6.7
CAKE			2	2	2	2	2
SALINITY	11500		2200	2000	2000	2000	2300
SOLIDS/SAND/OIL			11/.5/-	11/.3/-	11/.25/-	12/.75/-	13/.3/-

REMARKS:

CORE LAB

MUD INFORMATION DATA SHEET

ESP

UNIT NO. 1010 SHEET NO. 2

COMPANY		WELL			LOCATION		
ESSO AUSTRALIA		BARRACOUTA # 4			GIPPSLAND BASIN		
DEPTH	3800	4190	4240	4254	4432	4595	4783
DATE	9/4	9/4	11/4	16/4	19/4	20/4	24/4
TIME	0300	1800	0400	0300	0600	0300	0100
WEIGHT	11.2	11.2	11.2	11.2	10.6	10.6	10.6
FUNNEL VISCOSITY	45	46	45	47	51	43	46
PLASTIC VISCOSITY	22	20	21	23	20	18	23
YIELD POINT	13	16	14	14	13	14	9
GEL INITIAL/10 MIN	3/9	3/10	2/7	3/9	4/16	4/16	2/5
pH	10	10.5	10	11.5	12	11	11
FILTRATE	6.2	4.4	4.6	6	5.6	6	4.6
CAKE	2	2	2	2	2	2	2
SALINITY	2300	2300	3500	3500	4000	4000	4000
SOLIDS/SAND/OIL	14/½/-	14/.75/-	12/1/-	14/1¼/-	12/1/-	13/1/-	13/1/-

REMARKS:

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

REMARKS:

COST PER FOOT CHARTS

INTERVAL	.. ..	FEET
FOOTAGE	.. ..	FEET
BIT SIZE	.. ..	INCHES
JET SIZE	.. ..	THIRTY SECONDS OF AN INCH
CONDITION	.. ..	TEETH/BEARING/GAUGE
COST	.. ..	DOLLARS

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

CORE LAB

COST PER FOOT GRAPH

ESP

UNIT NO. 1010 BIT NO. 2

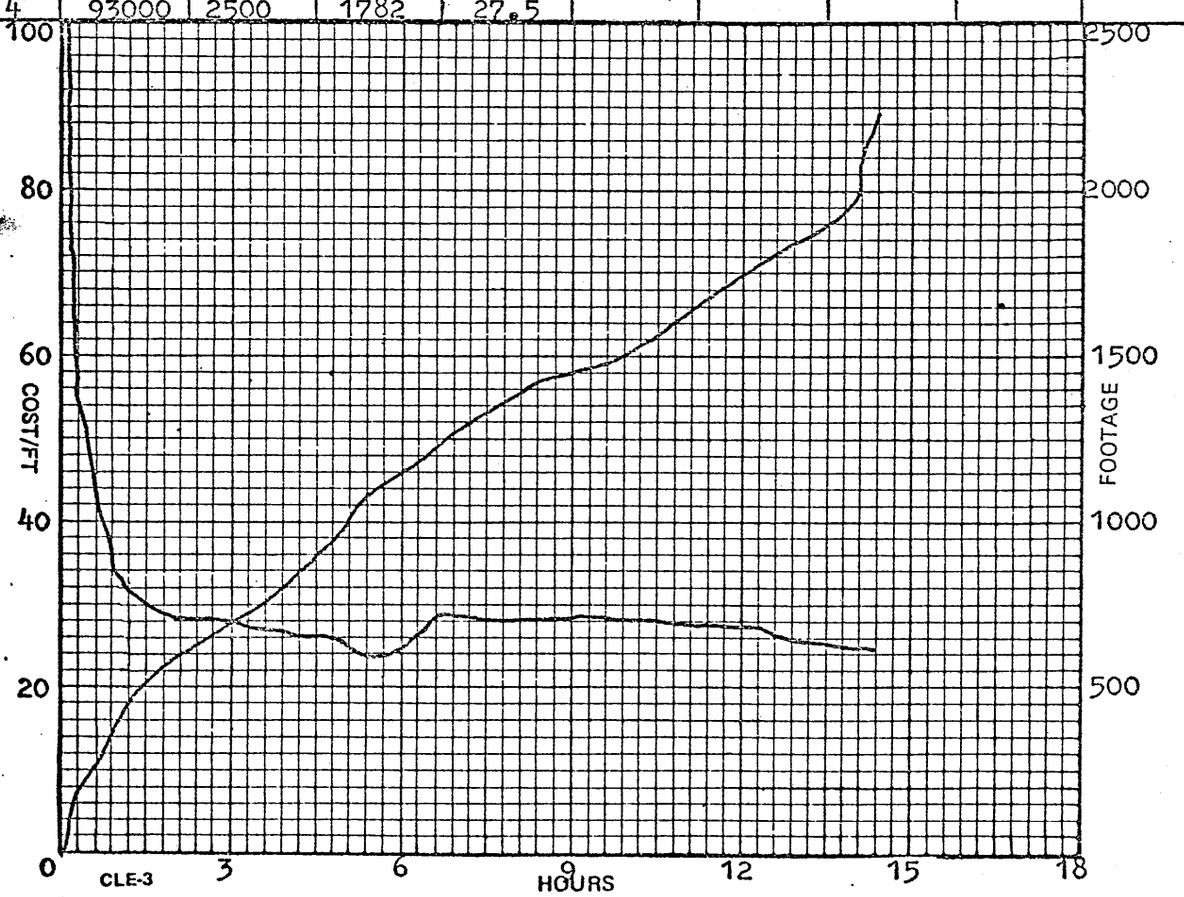
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	718' - 2952'

BIT	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC OSC 3AJ	17.5"	2234'	108000
	COST	JETS	HOURS RUN	CONDITION
	A$1582	20/20/20	14.4	2- 6- I

RIG COST/HR. 1700

TRIP TIME 4

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
.1	1000	800	82	89	13.4	100000	2600	1882	27.2
.3	2000	900	182	55.8	14	105000	2700	1982	26.6
.7	5000	1000	282	41.8	14.1	106000	2800	2082	25.9
1	8000	1100	382	33.7	14.3	107000	2900	2182	25.2
1.4	10000	1200	482	30.9	14.4	108000	2952	2234	24.9
1.9	13000	1300	582	28.1					
2.9	21000	1400	682	28.1					
3.8	27000	1500	782	27.0					
4.4	32000	1600	882	25.9					
5.0	37000	1700	982	24.5					
5.6	42000	1800	1082	23.9					
6.4	48000	1900	1182	29.2					
7.2	54000	2000	1282	28.4					
8.1	60000	21000	1382	28.0					
9.7	73000	2200	1482	28.5					
10.7	80000	2300	1582	28.2					
11.5	86000	2400	1682	27.7					
12.4	93000	2500	1782	27.5					



CORE LAB **ESP**

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 3

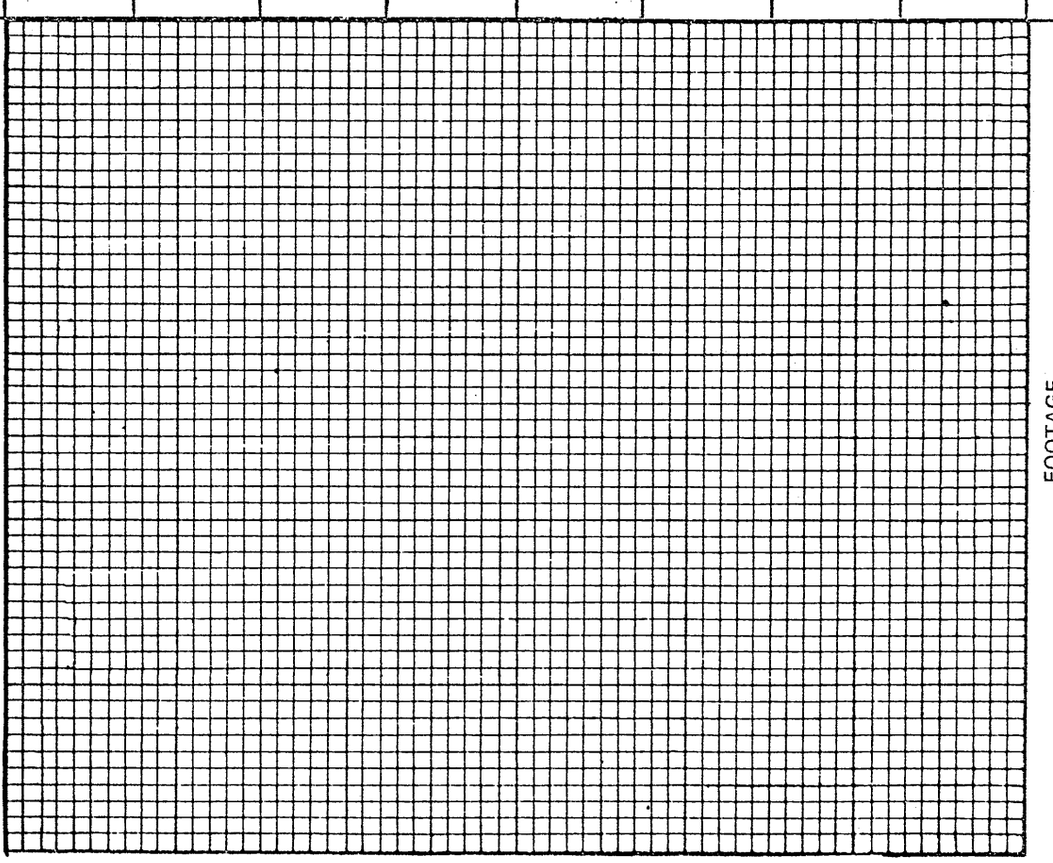
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	2952' - 3201'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC OSC 3AJ	17.5"	249'	70000
	COST	JETS	HOURS RUN	CONDITION
	A$1582	20/20/20	9.8	1 - 5 - I

RIG COST/HR. 1700

TRIP TIME 4.5

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
		CONTROLLED DRILLING, DUE TO DRILLING BLIND							
		WITH SEAWATER AND NO RETURNS.							



CLE-3

CORE LAB

COST PER FOOT GRAPH

ESP

UNIT NO. 1010 BIT NO. 4

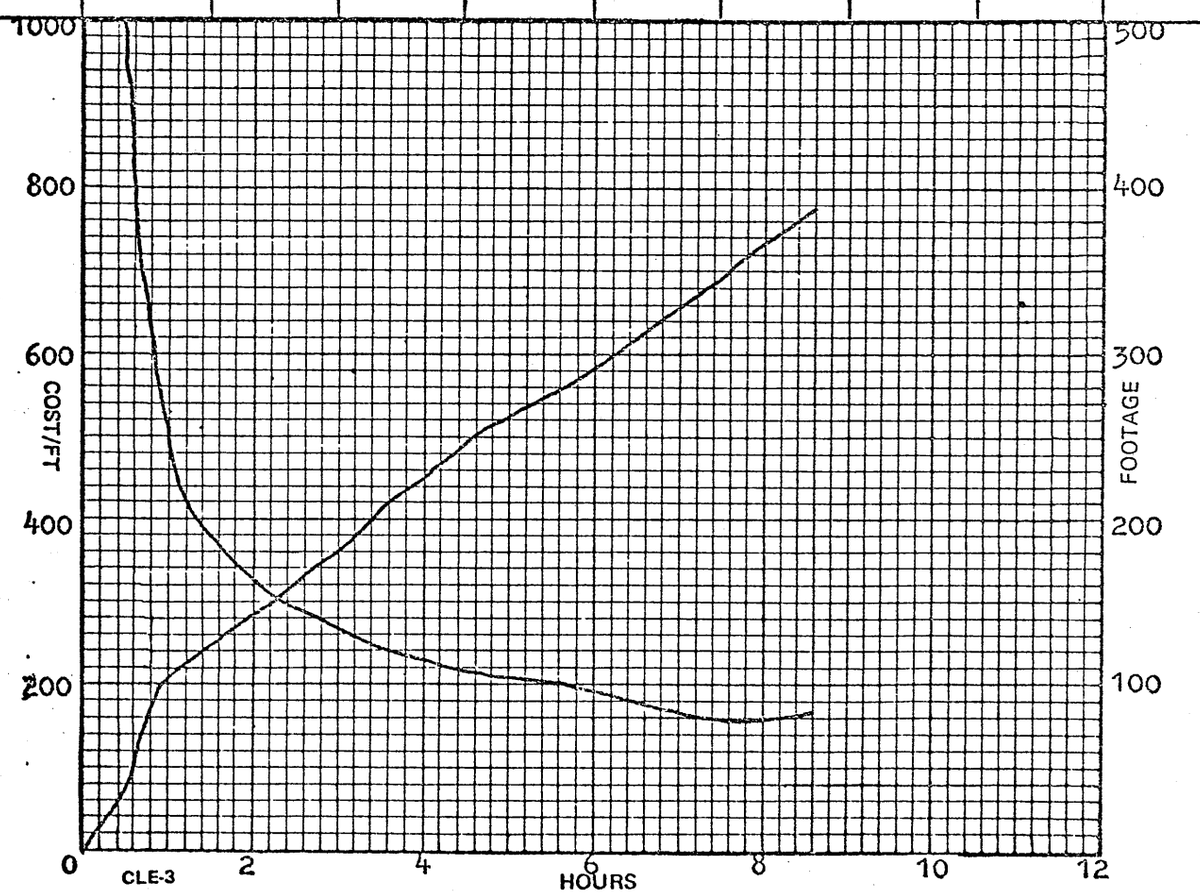
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	3201' - 3573'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	12.25"	372'	41000
	COST	JETS	HOURS RUN	CONDITION
	744	16/16/16	8.6	6 - 2 - .06"

RIG COST/HR. 1700

TRIP TIME 4.5

HRS	BIT-TURNS	DEPTH	ACC-FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
.6	3000	3250	49	865					
1.1	7000	3300	99	443					
2.2	12000	3350	149	310					
3.4	19000	3400	199	246					
4.5	25000	3450	249	215					
6.2	31000	3500	299	190					
7.6	35000	3550	350	158					
8.6	41000	3572	372	165					



CORE LAB **ESP**

COST PER FOOT GRAPH

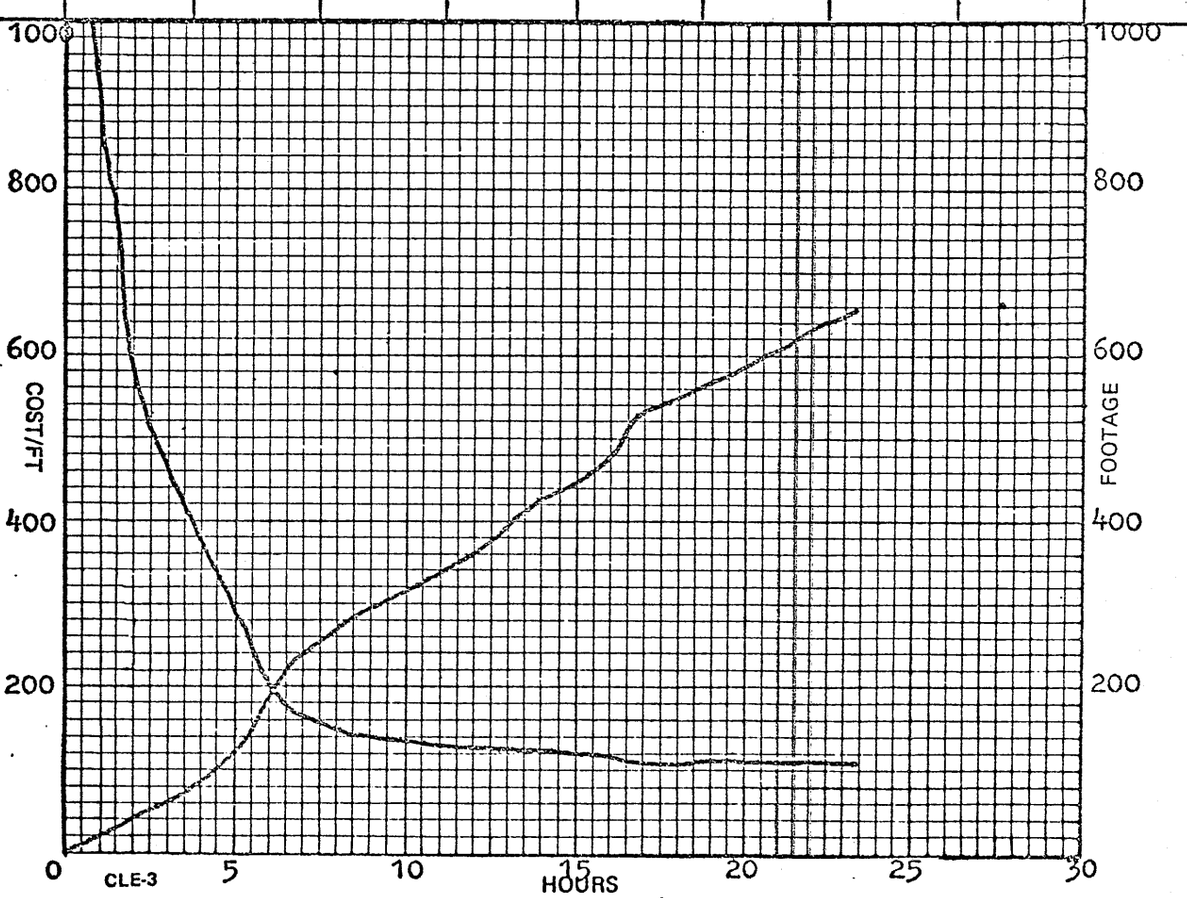
UNIT NO. 1010 BIT NO. 5

COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA # 4	GIPPSLAND BASIN	3573' - 4232'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	12.25"	659'	165000
	COST	JETS	HOURS RUN	CONDITION
	744	16/16/16	23.3	8 - 8 -.06"

RIG COST/HR.	1700		
TRIP TIME	5.8		

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.4	9000	3600	27	790					
3.6	24000	3650	77	408					
5.2	36000	3700	127	273					
5.9	41000	3750	177	206					
6.7	46000	3800	227	168					
8.2	57000	3850	277	149					
10.6	74000	3900	327	139					
12.5	88000	3950	377	131					
13.8	97000	4000	427	123					
16.0	114000	4050	477	118					
16.7	120000	4100	527	110					
19.5	138000	4150	577	112					
21.8	154000	4200	627	110					
23.3	16500	4232	659	109					



CORE LAB **ESP**

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 7

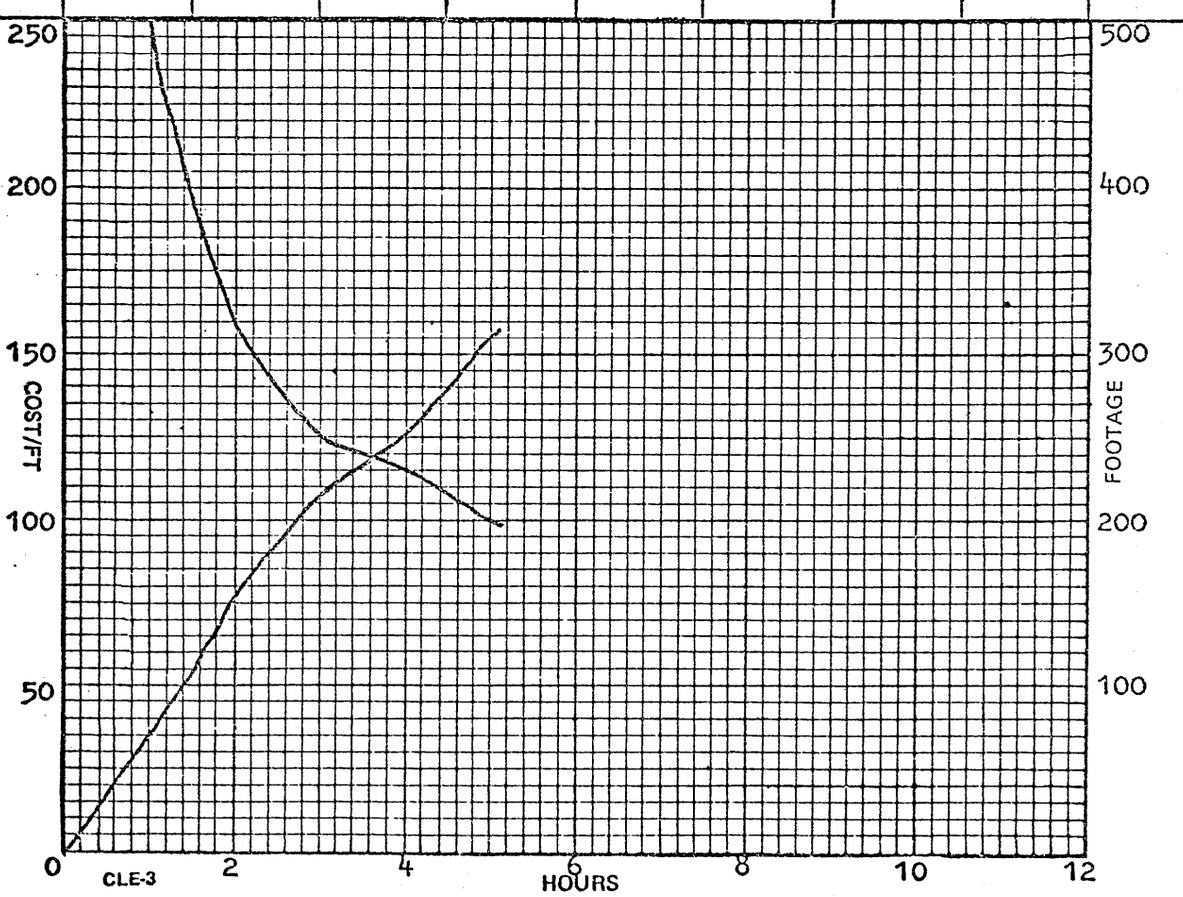
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	BARRACOUTA# 4	GIPPSLAND BASIN	4254' - 4570'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X1G	9.625"	316'	31000
	COST	JETS	HOURS RUN	CONDITION
	770	12/12/10	5.1	4-6-I

RIG COST/HR. 1700

TRIP TIME 8

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.6	9000	4373	119	192					
2.0	11000	4406	152	159					
3.1	19000	4472	218	123					
4.2	26000	4515	261	113					
4.9	30000	4560	306	101					
5.1	31000	4570	316	98					



DUMP A

DEPTH	-	Well depth in feet
TIME	-	Time of day in hours and minutes
ROP	-	Rate of penetration in feet 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 matric 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

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
64											
				NEW BIT ID:	2						
720.0	6:48	476.9	6	117	8.6	8.6	8.6	8.60	10.9	68.7	.56
750.0	6:56	543.2	11	140	8.5	8.6	9.0	8.60	10.9	55.6	.63
760.0	6:57	1090.9	21	138	8.5	8.6	9.0	8.60	10.9	51.6	.53
770.0	6:58	445.0	16	148	8.5	8.6	9.1	8.60	11.0	47.8	.73
780.0	7: 3	743.9	14	111	8.5	8.6	9.0	8.60	11.0	57.1	.52
790.0	7: 4	821.9	19	106	8.5	8.6	9.0	8.60	11.0	51.9	.52
800.0	7: 5	459.5	21	127	8.5	8.6	9.1	8.60	11.0	42.5	.73
810.0	7: 5	796.4	19	142	8.5	8.6	9.2	8.60	11.0	52.2	.60
815.0	7:14	268.6	17	140	8.5	8.6	8.6	8.60	11.0	27.8	.90
820.0	7:15	609.5	16	107	8.5	8.6	8.7	8.60	11.1	43.2	.60
78											
830.0	7:16	789.5	19	106	8.4	8.6	8.8	8.60	11.1	44.8	.55
840.0	7:25	613.2	14	101	8.5	8.6	8.6	8.60	11.1	45.9	.58
850.0	7:26	685.7	21	119	8.5	8.6	8.7	8.60	11.1	38.5	.64
860.0	7:28	385.6	22	127	8.7	8.6	8.8	8.60	11.1	26.8	.91
870.0	7:36	413.4	16	113	8.7	8.6	9.0	8.60	11.1	45.0	.69
880.0	7:37	646.4	16	129	8.6	8.6	9.0	8.60	11.2	50.8	.61
885.0	7:38	439.0	18	123	8.6	8.6	9.0	8.60	11.2	42.9	.71
890.0	7:38	419.5	15	125	8.6	8.6	9.0	8.60	11.2	48.0	.69
895.0	7:39	416.6	18	124	8.7	8.6	9.1	8.60	11.2	44.3	.72
900.0	7:47	378.9	12	111	8.7	8.6	9.0	8.60	11.2	51.8	.67
90											
905.0	7:48	438.0	13	118	8.6	8.6	9.0	8.60	11.2	51.5	.66
910.0	7:49	251.2	13	115	8.7	8.7	8.9	8.60	11.2	43.8	.79
915.0	7:51	219.0	12	115	8.7	8.7	9.0	8.60	11.2	43.8	.81
920.0	7:52	227.7	15	114	8.7	8.7	9.0	8.60	11.2	40.4	.83
940.0	8: 3	476.6	16	110	8.7	8.7	9.0	8.60	11.3	47.9	.65
950.0	8: 5	294.2	13	127	8.6	8.7	9.0	8.60	11.3	46.4	.77
955.0	8: 5	493.1	13	118	8.7	8.7	9.0	8.60	11.3	54.8	.62
960.0	8: 6	356.4	12	118	8.7	8.7	9.1	8.60	11.3	52.1	.69
965.0	8: 7	318.5	14	117	8.8	8.7	9.1	8.60	11.3	48.0	.73
970.0	8:37	340.9	15	103	8.7	8.7	8.8	8.60	11.3	42.1	.72
106											
975.0	8:39	258.5	12	113	8.7	8.7	8.8	8.60	11.3	44.2	.77
980.0	8:40	275.1	15	114	8.6	8.7	8.8	8.60	11.3	39.7	.79
985.0	8:41	235.5	16	113	8.7	8.7	8.9	8.60	11.3	36.4	.84
990.0	8:42	312.0	16	114	8.7	8.7	8.9	8.60	11.3	40.5	.77
995.0	8:43	263.8	17	111	8.7	8.7	9.0	8.60	11.4	37.4	.83
1000.0	8:55	445.6	17	102	8.6	8.7	8.7	8.60	11.4	39.8	.68
1005.0	8:57	208.6	15	105	8.6	8.7	8.7	8.60	11.4	33.8	.86
1010.0	9:58	341.0	22	103	8.5	8.7	8.8	8.60	11.4	31.8	.79
1020.0	9: 2	314.8	24	104	8.6	8.7	8.8	8.60	11.4	24.2	1.00
1030.0	9:13	301.7	22	100	8.6	8.7	8.7	8.60	11.4	30.1	.82
122											
1035.0	9:14	402.6	25	98	8.6	8.7	8.8	8.60	11.4	31.3	.75
1040.0	9:14	530.9	27	107	8.6	8.7	8.8	8.60	11.4	33.0	.71
1045.0	9:15	387.0	25	110	8.6	8.7	8.8	8.60	11.4	31.3	.79
1050.0	9:17	264.2	26	111	8.7	8.7	8.9	8.60	11.4	25.7	.93
1055.0	9:19	191.2	27	113	8.8	8.7	8.9	8.60	11.4	20.8	1.05
1060.0	9:31	362.9	26	103	8.5	8.7	8.6	8.60	11.5	18.2	1.00
1070.0	9:32	431.6	27	109	8.5	8.7	8.7	8.60	11.5	28.8	.78

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
133											
1080.0	9:33	389.4	26	108	8.5	8.7	8.8	8.60	11.5	29.1	.80
1085.0	9:35	250.4	27	110	8.6	8.7	8.8	8.60	11.5	22.3	.97
1090.0	9:43	666.6	21	109	8.6	8.7	8.8	8.60	11.5	41.7	.61
1095.0	9:44	446.5	17	106	8.7	8.7	8.8	8.60	11.5	42.2	.68
1100.0	9:45	266.6	30	105	8.7	8.7	8.8	8.60	11.5	22.4	.94
1105.0	9:46	228.1	24	109	8.7	8.7	8.8	8.60	11.5	26.0	.93
1110.0	9:48	243.5	25	109	8.7	8.7	8.9	8.60	11.5	27.3	.91
1115.0	9:50	139.0	26	112	8.7	8.7	8.9	8.60	11.5	19.6	1.08
1120.0	9:51	279.5	23	111	8.7	8.7	9.0	8.60	11.5	32.3	.85
1130.0	10: 3	269.8	21	99	8.7	8.7	8.8	8.60	11.6	30.9	.86
149											
1135.0	10: 4	290.4	22	116	8.8	8.7	8.9	8.60	11.6	31.1	.86
1140.0	10: 6	145.0	23	126	8.7	8.7	8.9	8.60	11.6	21.4	1.09
1145.0	10: 7	365.9	22	126	8.7	8.7	9.0	8.60	11.6	35.4	.81
1150.0	10: 8	308.7	23	127	8.7	8.7	9.0	8.60	11.6	33.2	.87
1155.0	10:18	186.2	24	124	8.7	8.8	8.9	8.60	11.6	23.3	1.05
1160.0	10:19	355.0	23	117	8.8	8.9	8.8	8.60	11.6	32.1	.82
1165.0	10:20	266.6	23	124	8.7	9.0	8.8	8.60	11.6	28.4	.91
1170.0	10:21	286.9	22	130	8.7	9.0	8.9	8.60	11.6	27.8	.95
1175.0	10:23	256.7	23	130	8.8	9.0	8.9	8.60	11.6	29.3	.93
1180.0	10:24	212.5	23	132	8.8	9.0	9.0	8.60	11.6	25.0	1.03
169											
1190.0	10:37	296.0	25	119	8.8	8.9	8.9	8.60	11.6	28.3	.89
1195.0	10:38	195.2	25	119	8.8	8.8	8.9	8.60	11.6	24.5	1.00
1200.0	10:39	367.1	19	124	8.8	8.8	9.0	8.60	11.7	39.0	.78
1205.0	10:40	253.2	24	124	8.8	8.8	9.0	8.60	11.7	28.3	.95
1210.0	10:43	193.6	24	126	8.7	8.9	9.0	8.60	11.7	23.0	1.08
1215.0	10:44	300.5	24	117	8.7	8.9	9.0	8.60	11.7	33.7	.85
1220.0	10:53	164.6	24	120	8.7	9.1	8.8	8.60	11.7	21.2	1.06
1225.0	10:54	229.7	25	125	8.7	9.1	8.9	8.60	11.7	25.4	.97
1230.0	10:57	158.5	25	127	8.7	8.9	8.8	8.60	11.7	19.6	1.10
1235.0	10:58	228.5	23	127	8.6	8.9	8.9	8.60	11.7	27.9	.95
193											
1240.0	11: 0	169.4	22	128	8.6	8.9	8.9	8.60	11.7	25.0	1.03
1245.0	11: 1	260.1	25	126	8.6	8.8	8.9	8.60	11.7	28.3	.93
1250.0	11: 9	251.2	24	113	8.6	9.0	8.7	8.60	11.7	24.9	.94
1255.0	11:11	257.2	25	124	8.6	8.9	8.7	8.60	11.7	24.3	.95
1260.0	11:13	139.5	27	128	8.6	8.8	8.7	8.60	11.7	14.6	1.16
1265.0	11:15	175.7	26	127	8.6	8.8	8.7	8.60	11.7	18.1	1.10
1270.0	11:16	275.6	24	126	8.6	9.0	8.8	8.60	11.7	27.1	.92
1275.0	11:25	187.9	23	126	8.6	8.9	8.8	8.60	11.8	23.5	1.03
1280.0	11:26	452.2	27	117	8.7	8.9	8.8	8.60	11.8	32.2	.78
1290.0	11:27	624.9	26	125	8.6	8.9	8.9	8.60	11.8	37.4	.69
210											
1295.0	11:29	165.5	20	133	8.6	8.9	8.8	8.60	11.8	25.9	1.04
1300.0	11:30	294.9	27	129	8.6	8.9	8.9	8.60	11.8	27.2	.92
1305.0	11:31	217.9	23	132	8.6	8.9	8.9	8.60	11.8	27.0	.98
1310.0	11:32	302.5	26	130	8.6	8.9	8.9	8.60	11.8	28.7	.91
1315.0	11:52	79.4	22	113	8.7	9.0	8.6	8.60	11.8	13.5	1.23
1320.0	11:55	133.5	20	116	8.7	9.0	8.7	8.60	11.8	20.4	1.11
1325.0	12: 1	66.8	20	118	8.7	8.8	8.8	8.60	11.8	14.5	1.27
1330.0	12: 3	128.0	16	121	8.7	8.8	8.9	8.60	11.8	29.4	1.02
1335.0	12: 6	107.0	17	121	8.7	8.8	8.9	8.60	11.8	26.3	1.08
1340.0	12:12	59.6	20	127	8.6	8.8	8.8	8.60	11.8	13.7	1.30
244											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
244											
1345.0	12:29	119.6	19	125	8.7	8.8	8.8	8.60	11.8	23.3	1.10
1350.0	12:33	95.1	26	126	8.8	8.8	8.8	8.60	11.8	11.8	1.28
1355.0	12:36	141.5	26	128	8.9	8.7	8.9	8.60	11.9	18.4	1.15
1360.0	12:40	101.9	26	129	8.6	8.6	8.9	8.60	11.9	13.8	1.27
1365.0	12:44	111.8	26	129	8.5	8.6	8.8	8.60	11.9	12.6	1.28
1370.0	12:46	218.7	23	129	8.5	8.8	8.8	8.60	11.9	26.9	.97
1380.0	12:59	129.7	19	120	8.6	8.8	8.7	8.60	11.9	21.7	1.14
1385.0	13: 2	128.0	19	122	8.8	8.8	8.8	8.60	11.9	20.3	1.15
1390.0	13: 5	95.8	21	124	8.8	8.8	8.8	8.60	11.9	19.0	1.18
1395.0	13: 7	145.3	22	124	8.8	8.8	8.9	8.60	11.9	24.4	1.06
279											
1400.0	13: 9	172.7	20	125	8.6	8.8	8.9	8.60	11.9	28.7	1.00
1405.0	13:11	166.5	21	124	8.6	8.8	8.9	8.60	11.9	26.7	1.04
1410.0	13:18	163.9	21	118	8.6	8.8	8.8	8.60	11.9	26.3	1.04
1415.0	13:20	176.4	24	121	8.7	8.8	8.8	8.60	11.9	22.6	1.05
1420.0	13:21	204.1	25	127	8.7	8.8	8.8	8.60	11.9	24.1	1.02
1425.0	13:22	269.6	24	128	8.6	8.8	8.8	8.60	11.9	28.6	.93
1430.0	13:25	126.1	25	128	8.8	8.8	8.8	8.60	11.9	16.5	1.20
1435.0	13:27	145.1	25	127	8.6	8.9	8.9	8.60	12.0	21.1	1.11
1440.0	13:36	95.4	25	123	8.6	8.7	8.8	8.60	12.0	13.8	1.26
1445.0	13:38	152.6	24	128	8.6	8.6	8.7	8.60	12.0	20.4	1.10
309											
1450.0	13:41	117.1	25	130	8.5	8.7	8.7	8.60	12.0	14.8	1.23
1455.0	13:44	104.1	25	128	8.6	8.7	8.7	8.60	12.0	14.8	1.23
1460.0	13:47	101.0	26	117	8.6	8.7	8.8	8.60	12.0	14.6	1.22
1465.0	13:51	76.4	27	117	8.5	8.8	8.8	8.60	12.0	10.9	1.30
1470.0	13:57	166.2	27	100	8.6	8.5	8.7	8.60	12.0	20.5	1.04
1475.0	13:59	195.5	27	123	8.6	8.4	8.7	8.60	12.0	20.1	1.07
1480.0	14: 3	97.7	28	128	8.7	8.7	8.7	8.60	12.0	9.2	1.34
1485.0	14: 5	128.1	27	128	8.6	8.6	8.8	8.60	12.0	16.4	1.18
1490.0	14: 7	131.1	28	128	8.6	8.8	8.8	8.60	12.0	15.9	1.19
1495.0	14:12	91.6	28	128	8.6	8.7	8.8	8.60	12.0	10.9	1.32
346											
1500.0	14:19	150.3	27	114	8.5	8.6	8.7	8.60	12.0	19.1	1.11
1505.0	14:21	120.8	27	121	8.5	8.7	8.7	8.60	12.0	14.9	1.20
1510.0	14:26	96.0	28	123	8.5	8.6	8.7	8.60	12.0	7.9	1.37
1515.0	14:30	87.4	27	125	8.6	8.8	8.7	8.60	12.0	9.6	1.36
1520.0	14:32	211.6	27	123	8.5	8.7	8.7	8.60	12.1	22.1	1.03
1525.0	14:33	177.1	27	123	8.5	8.5	8.7	8.60	12.1	20.1	1.09
1530.0	14:35	135.8	22	126	8.6	8.9	8.7	8.60	12.1	22.7	1.10
1535.0	14:43	122.1	24	115	8.6	8.9	8.7	8.60	12.1	18.6	1.15
1540.0	14:44	246.1	30	121	8.5	8.9	8.7	8.60	12.1	22.8	.99
1545.0	14:45	289.6	29	121	8.5	8.9	8.8	8.60	12.1	24.8	.95
372											
1550.0	14:46	207.5	29	123	8.5	8.9	8.7	8.60	12.1	21.3	1.04
1555.0	14:48	222.0	29	123	8.5	8.9	8.7	8.60	12.1	22.4	1.02
1560.0	14:49	202.2	27	125	8.5	8.9	8.8	8.60	12.1	22.6	1.04
1565.0	15: 0	228.8	25	128	8.6	8.9	8.7	8.60	12.1	24.4	1.00
1570.0	15: 2	169.3	23	131	8.6	8.9	8.7	8.60	12.1	23.3	1.06
1575.0	15: 4	151.7	21	134	8.6	8.9	8.7	8.60	12.1	24.5	1.07
1580.0	15:12	159.8	24	132	8.6	8.9	8.7	8.60	12.1	21.2	1.10
1585.0	15:14	179.2	24	128	8.7	8.9	8.8	8.60	12.1	23.8	1.05
1590.0	15:16	153.9	24	130	8.7	8.9	8.8	8.60	12.1	21.6	1.10
1600.0	15:20	159.4	26	127	8.7	8.9	8.8	8.60	12.1	21.2	1.10
405											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
405											
1610.0	15:26	169.9	21	115	8.8	8.9	9.0	8.60	12.2	30.6	.97
1615.0	15:27	268.7	25	125	8.5	8.9	9.0	8.60	12.2	30.9	.92
1620.0	15:29	155.2	26	127	8.6	8.7	9.0	8.60	12.2	23.5	1.09
1635.0	15:34	179.5	27	130	8.6	8.6	9.0	8.60	12.2	24.6	1.05
1650.0	15:42	182.4	26	126	8.7	8.6	8.9	8.60	12.2	24.5	1.05
1655.0	15:44	168.2	25	127	8.7	8.6	8.9	8.60	12.2	23.9	1.06
1660.0	15:46	185.2	25	128	8.7	8.8	8.9	8.60	12.2	25.2	1.04
1665.0	15:48	137.2	26	130	8.6	8.6	8.9	8.60	12.2	19.9	1.15
1670.0	15:50	157.5	24	131	8.5	8.8	8.9	8.60	12.2	23.4	1.09
1675.0	15:56	184.6	22	132	8.6	8.6	8.9	8.60	12.2	27.1	1.03
451											
1680.0	15:58	139.3	21	130	8.6	8.7	8.8	8.60	12.2	24.1	1.10
1685.0	16: 0	197.5	25	130	8.6	8.8	8.8	8.60	12.2	24.6	1.04
1690.0	16: 2	144.5	26	133	8.5	8.6	8.8	8.60	12.2	19.8	1.14
1695.0	16: 4	155.7	26	134	8.6	8.6	8.8	8.60	12.3	20.3	1.13
1700.0	16: 6	140.7	26	133	8.6	8.7	8.8	8.60	12.3	19.6	1.16
1710.0	16:16	186.9	24	121	8.6	8.6	8.8	8.60	12.3	24.0	1.05
1720.0	16:18	223.2	27	132	8.6	8.6	8.8	8.60	12.3	24.1	1.04
1725.0	16:20	166.5	27	134	8.6	8.6	8.8	8.60	12.3	21.4	1.11
1730.0	16:22	123.3	28	136	8.7	8.7	8.8	8.60	12.3	17.0	1.21
1735.0	16:24	152.7	28	136	8.7	8.5	8.9	8.60	12.3	20.4	1.14
492											
1740.0	16:25	175.0	25	137	8.6	8.5	9.1	8.60	12.3	27.1	1.05
1745.0	16:26	141.6	26	137	8.6	8.9	9.2	8.60	12.3	25.0	1.10
1750.0	16:35	191.0	24	123	8.6	8.9	8.8	8.60	12.3	26.1	1.02
1755.0	16:36	201.2	26	121	8.8	8.8	8.8	8.60	12.3	25.2	1.02
1760.0	16:38	149.8	27	123	8.8	8.8	8.8	8.60	12.3	21.3	1.11
1765.0	16:40	152.0	27	126	8.8	8.8	8.8	8.60	12.3	21.6	1.11
1770.0	16:42	158.9	26	128	8.6	8.6	8.8	8.60	12.3	22.3	1.10
1775.0	16:45	156.1	26	129	8.5	8.6	8.9	8.60	12.3	23.4	1.09
1780.0	16:54	114.4	25	125	8.6	8.7	8.9	8.60	12.3	19.3	1.19
1785.0	16:56	141.4	27	118	8.6	8.8	8.8	8.60	12.3	20.6	1.12
528											
1790.0	17: 0	145.5	27	126	8.6	8.7	8.7	8.60	12.4	18.6	1.16
1795.0	17: 3	172.0	27	129	8.6	8.6	8.7	8.60	12.4	21.1	1.10
1800.0	17: 6	97.5	26	134	8.6	8.5	8.7	8.60	12.4	15.6	1.26
1805.0	17:14	139.3	24	115	8.6	8.8	8.7	8.60	12.4	22.8	1.09
1810.0	17:17	126.1	24	113	8.6	8.8	8.7	8.60	12.4	22.0	1.11
1815.0	17:19	121.3	21	117	8.6	8.7	8.8	8.60	12.4	24.7	1.09
1820.0	17:22	140.3	25	114	8.6	8.6	8.7	8.60	12.4	22.4	1.10
1825.0	17:25	98.9	23	117	8.6	8.6	8.8	8.60	12.4	20.1	1.18
1830.0	17:27	129.6	22	117	8.6	8.8	8.8	8.60	12.4	24.2	1.09
1835.0	17:34	122.4	27	126	8.6	8.7	8.8	8.60	12.4	18.7	1.18
576											
1840.0	17:36	125.9	27	138	8.7	8.7	8.8	8.60	12.4	17.5	1.22
1845.0	17:37	103.1	27	140	8.6	8.9	8.8	8.60	12.4	16.2	1.26
1850.0	17:38	99.6	27	143	8.6	8.7	8.8	8.60	12.4	15.7	1.27
1855.0	17:39	140.9	27	139	8.6	8.8	8.8	8.60	12.4	20.0	1.17
1860.0	17:39	159.0	26	139	8.5	8.7	8.9	8.60	12.4	22.5	1.12
1870.0	17:40	192.2	26	139	8.6	8.6	8.9	8.60	12.4	25.1	1.06
1880.0	17:42	157.9	28	141	8.6	8.7	8.9	8.60	12.4	22.2	1.13
1885.0	17:43	138.0	27	140	8.6	8.8	9.0	8.60	12.5	22.0	1.15
1890.0	17:45	130.6	26	141	8.6	8.8	9.0	8.60	12.5	22.5	1.16
1900.0	22:14	202.3	27	131	8.7	8.7	9.1	8.60	12.5	28.6	1.01
601											

DEPTH	TIME	PDP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
601											
1905.0	22:16	150.4	25	120	8.7	8.8	8.8	8.60	12.5	24.3	1.08
1910.0	22:18	178.5	26	136	8.8	8.8	8.8	8.60	12.5	24.6	1.08
1915.0	22:20	102.7	26	135	8.7	8.8	8.9	8.60	12.5	16.6	1.71
1920.0	22:23	117.7	23	133	8.6	8.9	8.9	8.60	12.5	22.8	1.15
1925.0	22:25	130.7	22	135	9.0	9.0	8.9	8.60	12.5	25.1	1.11
1930.0	22:34	74.2	25	135	9.0	9.1	9.0	8.60	12.5	15.2	1.34
1935.0	22:36	148.7	26	127	9.0	8.8	9.1	8.60	12.5	26.1	1.08
1940.0	22:40	78.2	29	125	8.9	9.0	9.1	8.60	12.5	15.9	1.30
1945.0	22:43	137.0	29	122	8.9	8.9	9.1	8.60	12.5	23.5	1.12
1950.0	22:46	105.8	28	126	8.9	8.9	9.1	8.60	12.5	20.0	1.21
645											
1955.0	22:49	131.1	29	126	9.0	8.9	9.1	8.60	12.5	21.8	1.17
1960.0	22:52	108.6	27	126	9.0	8.8	9.1	8.60	12.5	21.6	1.18
1965.0	23: 2	122.7	27	117	9.0	8.8	9.1	8.60	12.5	23.8	1.12
1970.0	23: 4	132.4	30	108	9.0	8.9	9.1	8.60	12.5	23.3	1.11
1975.0	23: 6	171.5	28	120	9.0	8.9	9.1	8.60	12.5	27.2	1.04
1980.0	23: 8	154.1	29	121	9.0	8.9	9.1	8.60	12.5	25.1	1.08
1985.0	23:10	159.7	31	120	9.0	8.9	9.2	8.60	12.6	24.8	1.08
1990.0	23:12	140.8	29	122	9.0	9.0	9.2	8.60	12.6	25.1	1.10
1995.0	23:19	112.9	26	124	9.0	9.0	9.2	8.60	12.6	23.8	1.15
2000.0	23:22	137.2	23	126	9.0	9.0	9.2	8.60	12.6	28.9	1.06
692											
2005.0	23:24	146.3	24	127	9.2	9.0	9.2	8.60	12.6	29.1	1.05
2010.0	23:26	149.1	30	128	9.2	9.0	9.2	8.60	12.6	25.1	1.10
2015.0	23:27	179.9	30	129	9.2	9.0	9.2	8.60	12.6	27.2	1.05
2020.0	23:31	102.0	28	135	9.0	9.0	9.3	8.60	12.6	22.0	1.21
2025.0	23:34	139.1	31	119	9.0	9.0	9.4	8.60	12.6	24.0	1.14
2030.0	23:45	154.8	27	121	9.0	9.1	9.2	8.60	12.6	28.4	1.05
2035.0	23:47	143.4	27	124	9.0	9.1	9.1	8.60	12.6	25.8	1.09
2040.0	23:50	145.0	32	125	9.1	9.1	9.1	8.60	12.6	21.7	1.16
2045.0	23:52	160.3	32	126	9.0	9.1	9.2	8.60	12.6	23.5	1.11
2050.0	23:55	116.6	33	126	9.1	9.1	9.1	8.60	12.6	18.4	1.23
742											
2055.0	0: 7	101.6	32	120	9.1	9.1	9.2	8.60	12.6	20.0	1.21
2060.0	0:11	83.6	31	123	9.1	9.1	9.2	8.60	12.6	18.0	1.27
2065.0	0:14	95.5	32	124	9.3	9.1	9.2	8.60	12.6	19.0	1.24
2070.0	0:16	137.4	32	124	9.2	9.1	9.3	8.60	12.6	23.5	1.13
2075.0	0:18	151.8	33	123	9.2	9.1	9.3	8.60	12.6	24.5	1.11
2080.0	0:20	154.9	31	125	9.2	9.0	9.3	8.60	12.6	26.1	1.09
2080.0	0:21	94.6	32	129	9.2	8.9	9.3	8.60	12.6	19.8	1.24
2095.0	0:35	107.1	32	127	9.2	9.0	9.4	8.60	12.7	20.8	1.23
2100.0	0:39	101.1	31	133	9.2	9.0	9.4	8.60	12.7	20.6	1.25
2105.0	0:41	169.8	30	133	9.2	9.0	9.4	8.60	12.7	27.4	1.09
786											
2110.0	0:44	116.2	31	133	9.2	9.0	9.4	8.60	12.7	22.8	1.19
2115.0	0:48	95.1	32	131	9.3	9.0	9.3	8.60	12.7	18.0	1.29
2120.0	1: 3	63.8	32	131	9.3	9.0	9.4	8.60	12.7	15.1	1.37
2125.0	1: 9	61.8	31	129	9.3	9.0	9.3	8.60	12.7	14.9	1.37
2130.0	1:15	51.6	33	130	9.1	9.0	9.3	8.60	12.7	12.1	1.43
2135.0	1:17	116.6	33	126	9.0	9.0	9.3	8.60	12.7	21.3	1.19
2140.0	1:22	84.4	35	131	9.1	9.0	9.3	8.60	12.7	14.6	1.36
2145.0	1:27	71.6	36	129	9.2	9.0	9.3	8.60	12.7	13.2	1.38
2150.0	1:39	73.6	36	125	9.2	9.0	9.3	8.60	12.7	13.3	1.38
2155.0	1:43	83.0	35	125	9.2	9.0	9.3	8.60	12.7	15.8	1.32
834											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
834											
2160.0	1:47	65.4	34	127	9.2	9.0	9.3	8.60	12.7	13.9	1.38
2165.0	1:58	60.1	29	126	9.2	9.0	9.3	8.60	12.7	16.1	1.36
2170.0	2: 4	55.4	31	133	9.2	9.0	9.3	8.60	12.7	14.5	1.39
2175.0	2: 9	58.8	31	132	9.1	9.0	9.3	8.60	12.7	15.1	1.37
2180.0	2:13	71.9	29	132	9.1	9.0	9.3	8.60	12.7	18.5	1.30
2185.0	2:27	56.4	28	122	9.1	9.0	9.2	8.60	12.7	16.7	1.34
2190.0	2:32	60.7	30	122	9.1	9.0	9.2	8.60	12.7	15.2	1.36
2195.0	2:38	52.5	30	124	9.1	9.0	9.2	8.60	12.7	13.3	1.41
2200.0	2:45	55.2	31	124	9.1	9.0	9.2	8.60	12.8	13.2	1.41
2205.0	2:49	78.5	31	123	9.1	9.0	9.2	8.60	12.8	17.2	1.31
882											
2210.0	2:54	62.7	31	123	9.1	9.0	9.2	8.60	12.8	15.8	1.35
2215.0	3: 5	81.3	32	112	9.1	9.0	9.2	8.60	12.8	18.4	1.27
2220.0	3: 9	80.9	38	126	9.1	9.0	9.2	8.60	12.8	13.3	1.38
2225.0	3:13	83.2	36	128	9.1	9.0	9.2	8.60	12.8	15.4	1.33
2230.0	3:16	90.2	37	127	9.1	9.0	9.2	8.60	12.8	15.7	1.32
2235.0	3:18	143.5	37	126	9.1	9.0	9.2	8.60	12.8	20.9	1.18
2240.0	3:21	106.1	37	128	9.1	9.0	9.3	8.60	12.8	18.0	1.27
2245.0	3:33	102.5	33	126	9.1	9.0	9.3	8.60	12.8	19.3	1.26
2250.0	3:36	97.5	38	131	9.1	9.0	9.2	8.60	12.8	16.2	1.31
2255.0	3:39	117.1	37	136	9.1	9.0	9.2	8.60	12.8	18.0	1.27
930											
2260.0	3:41	133.2	38	137	9.1	9.0	9.2	8.60	12.8	19.3	1.23
2265.0	3:44	126.1	37	134	9.1	9.0	9.2	8.60	12.8	18.7	1.25
2270.0	3:46	134.2	38	134	9.1	9.0	9.2	8.60	12.8	19.9	1.22
2275.0	3:56	128.2	35	130	9.1	9.0	9.3	8.60	12.8	21.0	1.21
2280.0	3:59	127.8	41	128	9.1	9.0	9.3	8.60	12.8	18.0	1.25
2285.0	4: 1	117.7	39	131	9.1	9.0	9.3	8.60	12.8	18.4	1.25
2290.0	4: 3	164.6	38	132	9.1	9.0	9.3	8.60	12.8	21.8	1.17
2295.0	4: 6	119.7	40	132	9.1	9.0	9.3	8.60	12.8	18.1	1.26
2300.0	4: 8	140.5	41	132	9.1	9.0	9.3	8.60	12.8	18.8	1.23
2305.0	4:16	141.1	40	133	9.1	9.0	9.3	8.60	12.8	20.4	1.21
978											
2310.0	4:18	151.5	36	124	9.1	9.0	9.3	8.60	12.9	24.0	1.13
2315.0	4:20	150.5	40	130	9.1	9.0	9.3	8.60	12.9	20.9	1.19
2320.0	4:22	144.9	40	131	9.1	9.0	9.3	8.60	12.9	20.5	1.20
2325.0	4:25	124.4	42	132	9.1	9.0	9.3	8.60	12.9	17.9	1.26
2330.0	4:27	150.8	41	132	9.1	9.0	9.3	8.60	12.9	20.2	1.20
2335.0	4:29	178.9	42	132	9.1	9.0	9.4	8.60	12.9	22.5	1.15
2340.0	4:38	112.3	34	126	9.1	9.0	9.3	8.60	12.9	21.0	1.22
2345.0	4:40	165.3	40	129	9.1	9.0	9.3	8.60	12.9	22.3	1.15
2350.0	4:42	154.5	39	131	9.1	9.0	9.3	8.60	12.9	21.7	1.18
2355.0	4:45	97.2	41	131	9.1	9.0	9.3	8.60	12.9	15.7	1.33
1023											
2360.0	4:48	114.6	41	132	9.1	9.0	9.3	8.60	12.9	17.7	1.28
2365.0	4:50	119.1	42	132	9.1	9.0	9.3	8.60	12.9	17.8	1.27
2370.0	4:58	145.6	39	120	9.1	9.0	9.3	8.60	12.9	21.8	1.17
2375.0	5: 0	159.0	39	124	9.1	9.0	9.3	8.60	12.9	22.4	1.15
2380.0	5: 3	112.9	41	124	9.1	9.0	9.3	8.60	12.9	18.0	1.27
2385.0	5: 5	120.7	41	125	9.1	9.0	9.3	8.60	12.9	18.4	1.25
2390.0	5: 8	130.2	40	126	9.1	9.0	9.3	8.60	12.9	19.6	1.23
2395.0	5:11	111.8	41	127	9.1	9.0	9.3	8.60	12.9	17.6	1.28
2400.0	5:20	139.2	40	133	9.1	9.0	9.3	8.60	12.9	19.5	1.24
2405.0	5:22	109.9	39	120	9.1	9.0	9.2	8.60	12.9	17.6	1.27
1068											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1068											
2410.0	5:25	96.2	39	122	9.1	9.0	9.2	8.60	12.9	16.5	1.31
2415.0	5:28	100.4	38	123	9.1	9.0	9.2	8.60	12.9	17.5	1.29
2420.0	5:31	102.5	38	124	9.1	9.0	9.2	8.60	13.0	18.1	1.28
2425.0	5:34	110.8	40	124	9.1	9.0	9.2	8.60	13.0	17.8	1.28
2430.0	5:37	111.3	38	125	9.1	9.0	9.3	8.60	13.0	19.1	1.25
2435.0	5:57	80.5	39	126	9.1	9.0	9.2	8.60	13.0	14.7	1.37
2440.0	6: 1	94.5	36	121	9.1	9.0	9.2	8.60	13.0	17.4	1.29
2445.0	6: 3	118.6	40	126	9.1	9.0	9.2	8.60	13.0	17.6	1.27
2450.0	6: 6	102.8	42	129	9.1	9.0	9.2	8.60	13.0	15.7	1.32
2455.0	6:10	87.5	40	131	9.1	9.0	9.2	8.60	13.0	14.5	1.37
1118											
2460.0	6:12	122.2	41	131	9.1	9.0	9.2	8.60	13.0	17.7	1.28
2465.0	6:22	100.3	40	122	9.1	9.0	9.2	8.60	13.0	17.0	1.30
2470.0	6:25	132.0	41	125	9.1	9.0	9.2	8.60	13.0	19.3	1.23
2475.0	6:27	117.8	42	126	9.1	9.0	9.3	8.60	13.0	17.9	1.27
2480.0	6:30	132.9	41	127	9.1	9.0	9.3	8.60	13.0	19.5	1.23
2485.0	6:32	117.7	41	127	9.1	9.0	9.3	8.60	13.0	18.2	1.27
2490.0	6:34	145.4	42	127	9.1	9.0	9.3	8.60	13.0	20.6	1.20
2495.0	6:45	105.4	38	108	9.1	9.0	9.3	8.60	13.0	19.9	1.23
2500.0	6:48	117.4	42	109	9.1	9.0	9.3	8.60	13.0	18.9	1.24
2505.0	6:50	124.5	42	110	9.1	9.0	9.3	8.60	13.0	19.5	1.22
1167											
2510.0	6:53	111.5	41	112	9.1	9.0	9.3	8.60	13.0	18.6	1.25
2515.0	6:56	136.9	43	130	9.1	9.0	9.3	8.60	13.0	19.2	1.24
2520.0	6:58	116.0	44	130	9.1	9.0	9.3	8.60	13.0	17.0	1.30
2530.0	7:10	113.4	42	125	9.1	9.0	9.3	8.60	13.0	18.3	1.28
2535.0	7:12	120.0	40	122	9.1	9.0	9.3	8.60	13.0	20.1	1.24
2540.0	7:15	126.1	44	123	9.1	9.0	9.3	8.60	13.1	18.4	1.26
2545.0	7:17	117.1	43	130	9.1	9.0	9.3	8.60	13.1	17.8	1.29
2550.0	7:20	134.8	44	129	9.1	9.0	9.3	8.60	13.1	19.0	1.25
2555.0	7:22	147.8	45	128	9.1	9.0	9.3	8.60	13.1	19.6	1.23
2560.0	7:31	141.1	44	124	9.1	9.0	9.3	8.60	13.1	20.0	1.22
1220											
2565.0	7:34	97.5	43	124	9.1	9.0	9.3	8.60	13.1	16.7	1.33
2570.0	7:38	87.7	45	125	9.1	9.0	9.3	8.60	13.1	14.2	1.39
2575.0	7:42	77.6	45	126	9.1	9.0	9.3	8.60	13.1	12.9	1.43
2580.0	7:45	104.3	44	126	9.1	9.0	9.3	8.60	13.1	16.3	1.33
2585.0	7:48	100.4	45	125	9.1	9.0	9.3	8.60	13.1	15.7	1.35
2590.0	7:58	107.1	43	120	9.1	9.0	9.3	8.60	13.1	17.4	1.30
2595.0	8: 1	115.0	44	118	9.1	9.0	9.2	8.60	13.1	18.1	1.28
2600.0	8: 4	106.4	45	130	9.1	9.0	9.3	8.60	13.1	15.9	1.35
2605.0	8: 7	93.0	45	135	9.1	9.0	9.3	8.60	13.1	14.4	1.39
2610.0	8:10	107.7	44	135	9.1	9.0	9.3	8.60	13.1	16.1	1.35
1269											
2615.0	8:13	123.5	41	136	9.1	9.0	9.3	8.60	13.1	19.1	1.28
2620.0	8:22	147.8	45	126	9.1	9.0	9.3	8.60	13.1	19.3	1.25
2625.0	8:26	86.3	42	123	9.1	9.0	9.3	8.60	13.1	15.6	1.37
2630.0	8:29	105.6	43	125	9.1	9.0	9.3	8.60	13.1	17.2	1.32
2635.0	8:31	125.9	42	127	9.1	9.0	9.3	8.60	13.1	19.9	1.25
2640.0	8:33	157.5	41	126	9.1	9.0	9.3	8.60	13.1	22.5	1.18
2645.0	8:35	169.5	43	125	9.1	9.0	9.3	8.60	13.1	22.9	1.16
2650.0	8:43	188.8	40	126	9.1	9.0	9.3	8.60	13.1	25.1	1.12
2655.0	8:45	174.3	32	133	9.1	9.0	9.3	8.60	13.1	29.0	1.08
2660.0	8:46	369.6	35	116	9.1	9.0	9.3	8.60	13.2	36.6	.85
1309											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1309											
2665.0	8:46	497.1	42	126	9.1	9.0	9.3	8.60	13.2	35.3	.83
2670.0	8:47	392.1	41	127	9.1	9.0	9.3	8.60	13.2	33.2	.90
2680.0	8:48	608.0	44	126	9.1	9.0	9.4	8.60	13.2	36.9	.77
2690.0	8:59	595.7	41	123	9.1	9.0	9.3	8.60	13.2	37.3	.77
2700.0	9: 0	774.2	41	126	9.1	9.0	9.3	8.60	13.2	40.6	.69
2710.0	9: 1	581.5	44	127	9.1	9.0	9.4	8.60	13.2	36.7	.79
2720.0	9:12	368.1	28	113	9.1	9.0	9.3	8.60	13.2	41.1	.80
2730.0	9:14	471.2	34	126	9.1	9.0	9.3	8.60	13.2	39.4	.79
2740.0	9:15	498.6	46	122	9.1	9.0	9.3	8.60	13.2	34.4	.83
2750.0	9:23	670.2	41	113	9.1	9.0	9.4	8.60	13.2	40.5	.69
1320											
2760.0	9:24	368.5	45	124	9.1	9.0	9.4	8.60	13.2	30.4	.96
2765.0	9:25	311.4	46	125	9.1	9.0	9.4	8.60	13.2	28.9	1.00
2770.0	9:26	482.5	45	127	9.1	9.0	9.4	8.60	13.2	34.2	.85
2775.0	9:35	246.9	41	125	9.1	9.0	9.3	8.60	13.2	29.0	1.03
2780.0	9:35	865.5	39	113	9.1	9.0	9.4	8.60	13.2	44.5	.61
2790.0	9:36	514.2	43	116	9.1	9.0	9.4	8.60	13.3	37.0	.79
2800.0	9:40	297.2	45	128	9.1	9.0	9.4	8.60	13.3	27.5	1.06
2805.0	9:42	146.0	45	119	9.1	9.0	9.4	8.60	13.3	21.7	1.21
2810.0	9:50	403.3	38	100	9.1	9.0	9.3	8.60	13.3	35.6	.86
2820.0	9:52	388.2	44	119	9.1	9.0	9.3	8.60	13.3	32.2	.91
1340											
2830.0	9:53	630.6	34	137	9.1	9.0	9.3	8.60	13.3	36.5	.89
2840.0	9:53	1369.0	45	110	9.1	9.0	9.4	8.60	13.3	46.8	.48
2850.0	10: 1	1237.0	33	105	9.1	9.0	9.4	8.60	13.3	52.3	.46
2860.0	10: 1	1579.1	45	111	9.1	9.0	9.4	8.60	13.3	48.2	.44
2870.0	10: 2	893.2	40	113	9.1	9.0	9.4	8.60	13.3	44.7	.60
2880.0	10:13	474.5	33	131	9.1	9.0	9.4	8.60	13.3	40.9	.82
2890.0	10:13	906.6	44	122	9.1	9.0	9.4	8.60	13.3	42.3	.64
2895.0	10:14	302.2	48	123	9.1	9.0	9.4	8.60	13.3	28.9	1.01
2900.0	10:14	1512.7	45	125	9.1	9.0	9.4	8.60	13.3	47.5	.49
2910.0	10:23	740.7	37	119	9.1	9.0	9.3	8.60	13.3	43.7	.66
1353											
2920.0	10:24	674.1	33	117	9.1	9.0	9.4	8.60	13.4	45.6	.66
2925.0	10:25	190.7	46	119	9.1	9.0	9.4	8.60	13.4	25.1	1.13
2930.0	10:26	229.2	46	124	9.1	9.0	9.4	8.60	13.4	27.2	1.07
2935.0	10:36	162.3	45	119	9.1	9.0	9.4	8.60	13.4	24.3	1.16
2940.0	10:37	226.1	47	130	9.1	9.0	9.4	8.60	13.4	25.8	1.11
2950.0	10:38	1303.9	21	130	9.1	9.0	9.4	8.60	13.4	61.2	.45
2960.0	36:24	542.7	5	79	8.6	8.6	8.6	8.60	13.4	82.8	.45
2965.0	36:24	123.1	4	85	8.6	8.6	8.6	8.60	13.4	76.8	.74
2970.0	36:24	126.6	5	85	8.6	8.6	8.6	8.60	13.4	71.6	.75
2975.0	36:24	117.0	5	93	8.6	8.6	8.6	8.60	13.4	69.0	.78
1374											
2980.0	36:24	129.0	7	93	8.6	8.6	8.6	8.60	13.4	58.9	.81
2985.0	36:24	105.3	5	95	8.6	8.6	8.6	8.60	13.4	63.4	.83
2990.0	36:24	88.1	5	95	8.6	8.6	8.6	8.60	13.4	63.1	.86
2995.0	36:24	79.9	5	82	8.6	8.6	8.6	8.60	13.4	64.9	.83
3000.0	36:24	91.5	4	91	8.6	8.6	8.6	8.60	13.4	74.8	.81
3005.0	36:24	84.0	4	90	8.6	8.6	8.6	8.60	13.4	74.0	.82
3010.0	36:24	71.0	4	90	8.6	8.6	8.6	8.60	13.4	80.0	.84
3015.0	36:24	81.0	3	90	8.6	8.6	8.6	8.60	13.4	95.7	.79
3020.0	0: 0	45.2	3	90	8.6	8.6	8.6	8.60	13.4	102.9	.89
3025.0	0: 2	80.5	4	91	8.6	8.6	8.6	8.60	13.4	75.7	.83
1392											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1392											
3030.0	0:10	47.3	4	92	8.6	8.6	8.7	8.60	13.4	68.6	.96
3035.0	0:49	32.7	4	93	8.6	8.6	8.7	8.60	13.4	66.7	1.08
3040.0	0:53	55.7	3	94	8.6	8.6	8.6	8.60	13.4	79.3	.89
3045.0	0:57	53.3	3	96	8.6	8.6	8.7	8.60	13.4	88.7	.89
3050.0	1:13	22.2	4	96	8.6	8.6	8.7	8.60	13.4	67.3	1.09
3055.0	1:31	19.1	5	97	8.6	8.6	8.7	8.60	13.4	49.6	1.17
3060.0	2: 2	10.5	5	98	8.6	8.6	8.6	8.60	13.5	42.6	1.30
3065.0	2:20	43.2	5	94	8.6	8.6	8.6	8.60	13.5	58.3	1.00
3070.0	2:23	42.4	3	102	8.6	8.6	8.6	8.60	13.5	90.7	.92
3075.0	2:34	33.7	3	87	8.6	8.6	8.7	8.60	13.5	78.7	.98
1433											
3080.0	2:51	18.9	4	87	8.6	8.6	8.7	8.60	13.5	64.8	1.08
3085.0	3:18	12.6	4	88	8.6	8.6	8.7	8.60	13.5	57.5	1.19
3090.0	3:38	27.2	4	105	8.6	8.6	8.6	8.60	13.5	53.2	1.15
3095.0	3:56	22.2	4	125	8.6	8.6	8.6	8.60	13.5	51.2	1.19
3100.0	4:23	19.3	4	112	8.6	8.6	8.6	8.60	13.5	63.8	1.18
3105.0	4:51	11.3	5	121	8.6	8.6	8.6	8.60	13.5	42.2	1.32
3110.0	5:13	13.9	5	124	8.6	8.6	8.6	8.60	13.5	42.9	1.29
3115.0	5:28	23.7	5	124	8.6	8.6	8.6	8.60	13.5	46.4	1.21
3120.0	5:46	17.5	5	130	8.6	8.6	8.6	8.60	13.5	43.4	1.26
3125.0	6: 7	15.3	5	154	8.6	8.6	8.6	8.60	13.5	44.4	1.30
1483											
3130.0	6:36	14.6	5	153	8.6	8.6	8.6	8.60	13.5	46.0	1.30
3135.0	6:55	16.0	5	156	8.6	8.6	8.6	8.60	13.5	42.2	1.31
3140.0	7:11	19.7	6	155	8.6	8.6	8.6	8.60	13.5	41.7	1.29
3145.0	7:30	16.1	5	156	8.6	8.6	8.6	8.60	13.5	40.8	1.32
3150.0	7:48	16.5	5	154	8.6	8.6	8.6	8.60	13.5	41.8	1.31
3155.0	8: 7	16.2	6	120	8.6	8.6	8.6	8.60	13.5	41.9	1.28
3160.0	8:29	23.2	7	120	8.6	8.6	8.6	8.60	13.5	38.7	1.25
3165.0	8:42	22.9	7	151	8.6	8.6	8.6	8.60	13.5	35.4	1.31
3170.0	8:54	26.6	8	150	8.6	8.6	8.6	8.60	13.5	34.3	1.30
3175.0	9: 5	28.9	8	151	8.6	8.6	8.6	8.60	13.5	35.3	1.28
1533											
3180.0	9:17	26.8	8	151	8.6	8.6	8.6	8.60	13.5	33.4	1.31
3185.0	9:27	30.5	8	151	8.6	8.6	8.7	8.60	13.5	36.6	1.26
3190.0	9:40	25.6	8	151	8.6	8.6	8.7	8.60	13.5	35.0	1.30
3195.0	9:55	37.4	11	119	8.6	8.6	8.7	8.60	13.5	32.6	1.24
3200.0	10: 4	35.7	9	136	8.6	8.6	8.7	8.60	13.6	35.0	1.24
3201.0	10: 7	28.2	7	141	8.6	8.6	8.7	8.60	13.6	38.8	1.24

NEW BIT ID: 4

3205.0	2:13	116.0	22	99	11.1	11.2	11.2	8.60	13.6	43.0	.93
3210.0	2:16	105.2	21	100	11.1	11.2	11.2	8.60	13.6	42.8	.94
3215.0	2:20	83.6	20	102	11.1	11.2	11.2	8.60	13.6	42.0	.98
3220.0	5:46	53.0	20	74	11.1	11.2	11.2	8.60	13.6	39.6	1.02
1576											
3225.0	5:47	68.0	19	82	11.1	11.2	11.2	8.60	13.6	41.9	.97
3230.0	5:49	67.0	19	86	11.1	11.2	11.2	8.60	13.6	41.7	.98
3235.0	5:54	64.9	23	87	11.1	11.2	11.2	8.60	13.6	37.8	1.04
3240.0	5:58	73.0	22	90	11.1	11.2	11.2	8.60	13.6	39.8	1.01
3245.0	6: 2	88.6	21	108	11.1	11.2	11.3	8.60	13.6	41.5	.99
3250.0	6: 6	76.9	20	106	11.1	11.2	11.3	8.60	13.6	40.7	1.01
3255.0	6:10	77.2	22	103	11.1	11.2	11.3	8.60	13.6	39.7	1.02

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
	1605										
3260.0	6:29	91.0	21	106	11.1	11.2	11.2	8.60	13.6	41.3	1.00
3265.0	6:31	111.3	23	126	11.1	11.2	11.2	8.60	13.6	41.1	1.00
3270.0	6:34	130.0	23	125	11.1	11.2	11.2	8.60	13.6	42.2	.96
3275.0	6:41	118.0	24	107	11.1	11.2	11.2	8.60	13.6	43.1	.95
3280.0	6:44	120.8	24	122	11.1	11.2	11.2	8.60	13.6	41.8	.98
3285.0	6:46	127.1	24	125	11.1	11.2	11.3	8.60	13.6	42.6	.97
3290.0	6:55	131.8	23	129	11.1	11.2	11.3	8.60	13.6	43.4	.96
3295.0	6:56	154.1	25	125	11.1	11.2	11.3	8.60	13.6	43.3	.94
3300.0	6:58	165.4	26	129	11.1	11.2	11.3	8.60	13.6	43.0	.94
3305.0	7: 0	145.8	28	126	11.1	11.2	11.3	8.60	13.6	40.6	.99
	1653										
3310.0	7: 6	63.9	17	97	11.1	11.2	11.3	8.60	13.6	44.5	1.00
3315.0	7:13	46.1	12	92	11.1	11.2	11.3	8.60	13.6	48.9	.96
3320.0	7:29	62.2	10	89	11.1	11.2	11.2	8.60	13.6	52.7	.92
3325.0	7:40	28.3	12	86	11.1	11.2	11.2	8.60	13.6	43.4	1.06
3330.0	7:48	36.0	13	99	11.1	11.2	11.2	8.60	13.6	43.5	1.05
3335.0	7:56	36.4	14	92	11.1	11.2	11.2	8.60	13.6	42.7	1.06
3340.0	8: 4	39.3	14	91	11.2	11.2	11.2	8.60	13.6	43.6	1.04
3345.0	8:13	37.7	15	95	11.2	11.2	11.3	8.60	13.7	42.4	1.06
3350.0	8:22	79.1	18	98	11.2	11.2	11.3	8.60	13.7	46.2	.95
3355.0	8:27	62.3	16	93	11.2	11.2	11.3	8.60	13.7	46.0	.97
	1702										
3360.0	8:32	62.0	16	103	11.2	11.2	11.3	8.60	13.7	45.3	.99
3365.0	8:37	58.9	15	104	11.2	11.2	11.3	8.60	13.7	46.0	.99
3370.0	8:42	55.9	16	95	11.2	11.2	11.4	8.60	13.7	45.7	.98
3375.0	8:47	61.7	17	93	11.2	11.2	11.4	8.60	13.7	45.7	.97
3380.0	8:59	46.1	15	95	11.2	11.2	11.4	8.60	13.7	45.5	1.00
3385.0	9: 5	61.0	16	94	11.2	11.2	11.3	8.60	13.7	45.7	.98
3390.0	9:13	41.5	17	95	11.2	11.2	11.3	8.60	13.7	40.8	1.07
3395.0	9:19	47.6	17	94	11.2	11.2	11.3	8.60	13.7	41.8	1.05
3400.0	9:28	41.2	18	100	11.2	11.2	11.3	8.60	13.7	38.3	1.12
3405.0	10:16	41.3	19	81	11.2	11.2	11.3	8.60	13.7	39.7	1.08
	1751										
3410.0	10:38	30.0	19	99	11.2	11.2	11.3	8.60	13.7	33.2	1.23
3415.0	10:41	56.1	17	103	11.2	11.2	11.3	8.60	13.7	43.1	1.02
3420.0	10:42	65.0	15	108	11.2	11.2	11.3	8.60	13.7	46.8	.97
3425.0	10:53	31.4	17	99	11.2	11.2	11.3	8.60	13.7	37.8	1.15
3430.0	11:30	55.8	21	90	11.2	11.2	11.3	8.60	13.7	40.1	1.05
3435.0	11:36	56.4	20	96	11.2	11.2	11.3	8.60	13.7	40.4	1.05
3440.0	11:41	65.2	22	96	11.2	11.2	11.3	8.60	13.7	40.7	1.04
3445.0	11:45	61.9	21	97	11.2	11.2	11.3	8.60	13.7	40.6	1.04
3450.0	12:52	34.7	16	60	11.2	11.2	11.3	8.60	13.7	44.4	1.00
3455.0	13: 1	40.8	15	60	11.2	11.2	11.3	8.60	13.7	47.2	.96
	1794										
3460.0	13: 8	42.8	12	63	11.2	11.2	11.3	8.60	13.7	52.6	.90
3465.0	13:19	28.2	9	68	11.2	11.2	11.3	8.60	13.7	54.2	.93
3470.0	13:25	80.1	8	68	11.2	11.2	11.4	8.60	13.7	66.4	.75
3475.0	13:31	67.9	7	70	11.2	11.2	11.3	8.60	13.7	67.6	.77
3480.0	13:48	90.2	7	58	11.2	11.2	11.3	8.60	13.7	65.5	.81
3485.0	13:52	101.3	6	65	11.2	11.2	11.3	8.60	13.7	76.4	.65
3490.0	14: 6	32.4	6	63	11.2	11.2	11.3	8.60	13.7	67.4	.81
3495.0	14:17	34.6	8	53	11.2	11.2	11.3	8.60	13.7	59.9	.85
3500.0	14:43	12.2	12	56	11.2	11.2	11.3	8.60	13.8	41.5	1.12
3505.0	15: 4	15.2	14	58	11.2	11.2	11.3	8.60	13.8	39.5	1.13
	1842										

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1842											
3510.0	15:14	145.6	10	68	11.2	11.2	11.3	8.60	13.8	67.2	.67
3515.0	15:18	151.7	5	76	11.2	11.2	11.3	8.60	13.8	88.1	.60
3520.0	15:19	301.0	7	67	11.2	11.2	11.3	8.60	13.8	82.9	.47
3525.0	15:20	118.7	3	79	11.2	11.2	11.3	8.60	13.8	97.8	.57
3530.0	15:21	153.0	5	68	11.2	11.2	11.3	8.60	13.8	87.1	.54
3535.0	15:40	79.8	2	61	11.2	11.2	11.3	8.60	13.8	115.2	.65
3540.0	15:43	110.4	2	65	11.2	11.2	11.3	8.60	13.8	128.0	.52
3545.0	15:44	175.1	2	66	11.2	11.2	11.4	8.60	13.8	128.0	.45
3550.0	15:47	70.2	1	66	11.2	11.2	11.3	8.60	13.8	128.0	.52
3555.0	15:54	52.9	10	58	11.2	11.2	11.3	8.60	13.8	59.1	.82
1866											
3560.0	16:20	13.8	11	64	11.2	11.2	11.3	8.60	13.8	42.6	1.11
3565.0	17: 8	10.8	10	66	11.2	11.2	11.3	8.60	13.8	38.4	1.20
3570.0	17:30	27.6	10	65	11.2	11.2	11.3	8.60	13.8	49.0	1.00
3573.0	17:40	17.9	12	64	11.2	11.2	11.3	8.60	13.8	42.5	1.08
NEW BIT ID: 5											
3575.0	2:23	11.4	16	104	11.2	11.1	11.3	8.60	13.8	26.8	1.35
3580.0	3: 3	9.5	18	103	11.2	11.1	11.3	8.60	13.8	23.2	1.43
3585.0	3:19	27.7	28	109	11.2	11.1	11.3	8.60	13.8	22.7	1.41
3590.0	3:29	103.3	29	97	11.2	11.1	11.3	8.60	13.8	31.9	1.18
3595.0	3:31	192.2	26	107	11.2	11.1	11.3	8.60	13.8	46.4	.85
3600.0	3:39	486.4	20	103	11.2	11.1	11.3	8.60	13.8	61.4	.57
1906											
3605.0	3:41	173.4	25	118	11.2	11.1	11.4	8.60	13.8	46.1	.88
3610.0	3:43	167.9	17	126	11.2	11.1	11.4	8.60	13.8	51.0	.85
3615.0	4:12	12.8	18	120	11.2	11.1	11.4	8.60	13.8	25.2	1.42
3620.0	4:40	13.6	33	113	11.2	11.1	11.3	8.60	13.8	13.1	1.66
3625.0	5:14	19.8	32	113	11.2	11.1	11.3	8.60	13.8	17.0	1.55
3630.0	5:51	18.6	37	112	11.2	11.1	11.3	8.60	13.8	14.6	1.62
3635.0	6:20	27.3	46	112	11.2	11.1	11.3	8.60	13.8	15.3	1.59
3640.0	6:26	73.9	45	122	11.2	11.1	11.3	8.60	13.8	24.2	1.35
3645.0	6:31	74.1	45	123	11.2	11.1	11.3	8.60	13.8	24.4	1.34
3650.0	6:38	38.5	47	124	11.2	11.1	11.4	8.60	13.8	18.3	1.52
1952											
3655.0	6:49	34.1	47	122	11.2	11.1	11.4	8.60	13.8	16.6	1.57
3660.0	6:59	30.5	47	133	11.2	11.1	11.4	8.60	13.9	15.6	1.60
3665.0	7:18	29.7	46	123	11.2	11.1	11.4	8.60	13.9	16.4	1.58
3670.0	7:28	29.0	47	115	11.2	11.1	11.4	8.60	13.9	16.8	1.57
3675.0	7:41	25.0	47	117	11.2	11.1	11.4	8.60	13.9	15.2	1.62
3680.0	7:51	28.1	46	118	11.2	11.1	11.4	8.60	13.9	16.6	1.58
3685.0	8: 2	27.5	46	118	11.3	11.2	11.4	8.60	13.9	16.2	1.59
3690.0	8:11	34.8	45	119	11.3	11.2	11.4	8.60	13.9	19.1	1.52
3695.0	8:28	61.4	45	119	11.3	11.2	11.4	8.60	13.9	25.0	1.35
3700.0	8:32	85.8	46	117	11.3	11.2	11.4	8.60	13.9	28.2	1.26
2002											
3705.0	8:37	62.5	45	120	11.3	11.2	11.4	8.60	13.9	24.6	1.37
3710.0	8:46	38.9	44	127	11.3	11.2	11.4	8.60	13.9	20.3	1.50
3715.0	8:50	79.0	43	124	11.3	11.2	11.4	8.60	13.9	28.5	1.27
3720.0	8:59	120.1	40	115	11.3	11.2	11.5	8.60	13.9	33.5	1.14
3725.0	9: 1	115.6	31	124	11.3	11.2	11.5	8.60	13.9	36.7	1.10
3730.0	9: 6	58.0	31	125	11.3	11.2	11.5	8.60	13.9	32.1	1.22
3735.0	9:10	82.9	30	126	11.3	11.2	11.5	8.60	13.9	35.4	1.15

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2031											
3740.0	9:15	77.6	31	126	11.3	11.2	11.5	8.60	13.9	33.8	1.18
3745.0	9:16	169.7	31	124	11.3	11.2	11.5	8.60	13.9	40.7	1.00
3750.0	9:19	135.3	29	124	11.3	11.2	11.5	8.60	13.9	41.2	1.01
3755.0	9:21	128.1	24	120	11.3	11.2	11.5	8.60	13.9	44.4	.97
3760.0	9:29	186.5	22	120	11.3	11.2	11.5	8.60	13.9	50.9	.83
3765.0	9:32	113.7	16	114	11.3	11.2	11.5	8.60	13.9	50.9	.90
3770.0	9:33	291.7	13	102	11.3	11.2	11.5	8.60	13.9	67.2	.61
3775.0	9:38	77.7	13	106	11.3	11.2	11.5	8.60	13.9	51.0	.93
3780.0	9:47	43.7	18	103	11.3	11.2	11.5	8.60	13.9	41.0	1.09
3785.0	9:57	67.5	17	103	11.3	11.2	11.5	8.60	13.9	46.2	.98
2069											
3790.0	10: 0	119.3	14	112	11.3	11.2	11.5	8.60	13.9	54.7	.85
3795.0	10: 4	75.5	12	113	11.3	11.2	11.4	8.60	13.9	54.4	.89
3800.0	10:13	33.7	12	113	11.3	11.2	11.5	8.60	13.9	45.3	1.06
3805.0	10:22	40.4	20	112	11.3	11.2	11.5	8.60	13.9	37.9	1.15
3810.0	10:25	95.8	20	125	11.3	11.2	11.5	8.60	13.9	45.7	.98
3815.0	10:28	94.0	19	127	11.3	11.2	11.5	8.60	13.9	46.5	.97
3820.0	10:38	101.9	19	104	11.3	11.2	11.4	8.60	13.9	48.2	.92
3825.0	10:42	86.6	20	122	11.3	11.2	11.5	8.60	13.9	44.7	1.00
3830.0	10:49	93.1	18	122	11.3	11.2	11.5	8.60	14.0	42.3	1.07
3835.0	11: 8	70.1	16	121	11.3	11.2	11.5	8.60	14.0	40.9	1.13
2118											
3840.0	11:42	14.6	29	111	11.3	11.2	11.4	8.60	14.0	18.7	1.57
3845.0	11:50	38.8	33	110	11.3	11.2	11.4	8.60	14.0	27.6	1.33
3850.0	12: 1	79.0	37	103	11.3	11.2	11.4	8.60	14.0	33.6	1.16
3855.0	12:22	15.3	38	114	11.3	11.2	11.4	8.60	14.0	15.8	1.65
3860.0	12:39	19.1	40	111	11.3	11.2	11.4	8.60	14.0	17.3	1.60
3865.0	12:47	39.6	39	108	11.3	11.2	11.4	8.60	14.0	25.1	1.39
3870.0	13: 2	23.3	39	116	11.3	11.2	11.4	8.60	14.0	19.3	1.55
3875.0	13:13	27.4	40	115	11.3	11.2	11.4	8.60	14.0	20.7	1.51
3880.0	13:29	28.8	39	111	11.3	11.2	11.4	8.60	14.0	22.1	1.47
3885.0	13:36	71.3	31	121	11.3	11.2	11.4	8.60	14.0	32.0	1.23
2164											
3890.0	13:47	29.4	37	125	11.3	11.2	11.4	8.60	14.0	22.4	1.47
3895.0	14: 1	29.4	39	115	11.3	11.2	11.4	8.60	14.0	21.7	1.48
3900.0	14:23	16.5	39	120	11.3	11.2	11.4	8.60	14.0	14.8	1.68
3905.0	14:35	25.5	39	136	11.3	11.2	11.4	8.60	14.0	19.2	1.56
3910.0	14:49	23.7	38	119	11.3	11.2	11.4	8.60	14.0	19.6	1.55
3915.0	15:19	23.1	40	124	11.3	11.2	11.4	8.60	14.0	16.0	1.65
3920.0	15:38	20.7	46	117	11.3	11.2	11.4	8.60	14.0	14.1	1.70
3925.0	15:49	29.6	45	121	11.3	11.2	11.4	8.60	14.0	19.0	1.56
3930.0	15:58	33.5	44	122	11.3	11.2	11.4	8.60	14.0	20.4	1.52
3935.0	16: 8	31.5	44	122	11.3	11.2	11.4	8.60	14.0	19.9	1.54
2214											
3940.0	16:20	24.2	44	124	11.3	11.2	11.4	8.60	14.0	17.2	1.62
3945.0	16:33	58.6	44	110	11.3	11.2	11.4	8.60	14.0	25.7	1.36
3950.0	16:44	33.7	45	128	11.3	11.2	11.4	8.60	14.0	19.3	1.56
3955.0	16:50	59.8	44	124	11.3	11.2	11.4	8.60	14.0	26.0	1.37
3960.0	16:57	50.4	44	124	11.3	11.2	11.4	8.60	14.0	23.8	1.43
3965.0	17:11	22.3	44	132	11.3	11.2	11.4	8.60	14.0	16.3	1.65
3970.0	17:22	28.0	44	132	11.3	11.2	11.4	8.60	14.0	18.5	1.59
3975.0	17:41	32.2	45	128	11.3	11.2	11.4	8.60	14.0	19.7	1.55
3980.0	17:48	63.4	45	112	11.3	11.2	11.4	8.60	14.0	26.1	1.36
3985.0	17:57	34.4	45	118	11.3	11.2	11.4	8.60	14.0	21.2	1.51
2261											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2261											
3990.0	18: 4	34.4	45	119	11.3	11.2	11.4	8.60	14.0	21.0	1.51
3995.0	18:16	61.7	46	115	11.3	11.2	11.4	8.60	14.1	25.2	1.39
4000.0	18:20	132.0	44	114	11.3	11.2	11.4	8.60	14.1	32.3	1.18
4005.0	18:30	80.2	45	124	11.3	11.2	11.4	8.60	14.1	21.5	1.50
4010.0	18:59	14.5	45	115	11.3	11.2	11.4	8.60	14.1	12.9	1.74
4015.0	19:17	25.3	47	136	11.3	11.2	11.4	8.60	14.1	14.5	1.71
4020.0	19:28	34.3	48	135	11.3	11.2	11.4	8.60	14.1	17.8	1.61
4025.0	19:46	17.3	48	143	11.3	11.2	11.4	8.60	14.1	11.9	1.80
4030.0	20: 0	25.7	48	140	11.3	11.2	11.4	8.60	14.1	15.1	1.70
4035.0	20: 9	33.5	48	140	11.3	11.2	11.4	8.60	14.1	18.8	1.59
2307											
4040.0	20:25	32.2	47	133	11.3	11.2	11.4	8.60	14.1	18.7	1.59
4045.0	20:33	40.1	47	117	11.3	11.2	11.4	8.60	14.1	22.1	1.48
4050.0	20:42	31.2	48	128	11.3	11.2	11.4	8.60	14.2	18.7	1.59
4055.0	20:52	33.0	48	132	11.3	11.2	11.4	8.60	14.2	19.1	1.58
4060.0	21: 0	36.0	48	134	11.3	11.2	11.4	8.60	14.2	19.9	1.56
4065.0	21:19	16.1	48	140	11.3	11.2	11.4	8.60	14.2	11.7	1.81
4070.0	21:35	90.5	22	109	11.3	11.2	11.4	8.60	14.2	49.4	.95
4075.0	21:37	223.0	44	96	11.3	11.2	11.4	8.60	14.2	41.5	.91
4080.0	21:38	327.0	38	102	11.3	11.2	11.4	8.60	14.2	47.0	.79
4085.0	21:38	282.2	36	102	11.3	11.2	11.4	8.60	14.2	46.6	.81
2344											
4090.0	21:39	419.7	33	101	11.3	11.2	11.4	8.60	14.2	52.2	.68
4095.0	21:40	409.1	32	84	11.3	11.2	11.5	8.60	14.2	54.0	.64
4100.0	21:51	119.2	17	77	11.3	11.2	11.5	8.60	14.2	54.0	.79
4105.0	22:53	23.6	29	91	11.3	11.2	11.4	8.60	14.2	26.8	1.35
4110.0	22:58	73.4	29	78	11.3	11.2	11.4	8.60	14.2	38.7	1.04
4115.0	23: 0	135.3	29	78	11.3	11.2	11.4	8.60	14.2	44.8	.89
4120.0	0: 3	6.3	35	102	11.3	11.2	11.4	8.60	14.2	9.1	1.84
4125.0	0:41	7.9	44	125	11.3	11.2	11.4	8.60	14.2	7.0	1.93
4130.0	0:58	46.5	43	122	11.3	11.2	11.4	8.60	14.2	24.2	1.43
4135.0	1: 1	142.1	42	124	11.3	11.2	11.4	8.60	14.2	35.9	1.10
2374											
4140.0	1: 9	36.4	42	126	11.3	11.2	11.4	8.60	14.2	22.5	1.48
4145.0	1:17	39.6	43	131	11.3	11.2	11.4	8.60	14.2	23.1	1.47
4150.0	1:33	19.5	42	120	11.3	11.2	11.4	8.60	14.2	17.1	1.64
4155.0	1:43	44.5	42	109	11.3	11.2	11.4	8.60	14.2	24.4	1.42
4160.0	2:12	15.2	38	115	11.3	11.2	11.4	8.60	14.2	14.7	1.70
4165.0	2:32	32.0	38	114	11.3	11.2	11.4	8.60	14.2	21.4	1.52
4170.0	2:51	15.9	39	127	11.3	11.2	11.4	8.60	14.2	16.3	1.66
4175.0	3:16	14.6	41	120	11.3	11.2	11.4	8.60	14.2	14.1	1.72
4180.0	3:35	16.9	43	119	11.3	11.2	11.4	8.60	14.2	15.1	1.70
4185.0	3:46	37.1	40	115	11.3	11.2	11.4	8.60	14.2	24.1	1.44
2423											
4190.0	3:52	48.0	41	119	11.3	11.2	11.4	8.60	14.2	26.3	1.38
4195.0	3:58	48.5	41	118	11.3	11.2	11.4	8.60	14.2	26.6	1.37
4200.0	4:13	52.0	34	121	11.3	11.2	11.4	8.60	14.2	30.0	1.29
4205.0	4:18	66.8	31	116	11.3	11.2	11.4	8.60	14.2	34.8	1.17
4210.0	4:30	26.5	32	119	11.3	11.2	11.4	8.60	14.2	24.8	1.44
4215.0	4:41	36.7	35	120	11.3	11.2	11.4	8.60	14.2	25.4	1.42
4220.0	5: 2	14.4	38	117	11.3	11.2	11.5	8.60	14.2	16.4	1.67
4225.0	5:15	27.0	40	117	11.3	11.2	11.5	8.60	14.2	21.1	1.54
4230.0	5:43	14.8	40	122	11.3	11.2	11.5	8.60	14.2	15.6	1.70
4232.0	5:55	15.6	40	98	11.3	11.2	11.5	8.60	14.2	17.8	1.62

NEW BIT ID: 6

2474

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2474											
4235.0	2:20	31.1	20	107	11.3	11.2	11.4	8.60	14.3	33.9	1.20
4240.0	2:48	24.2	25	116	11.3	11.2	11.4	8.60	14.3	27.4	1.37
4245.0	21:44	43.0	8	45	11.2	11.1	11.3	8.60	14.3	53.9	.81
4250.0	21:44	34.0	11	62	11.2	11.1	11.3	8.60	14.3	45.4	.97
4255.0	21:48	16.1	18	76	11.2	11.1	11.3	8.60	14.3	27.2	1.32
4260.0	21:49	44.0	21	93	11.2	11.1	11.3	8.60	14.3	32.3	1.19
4265.0	21:52	38.6	20	95	11.2	11.1	11.3	8.60	14.3	32.0	1.20
4270.0	22: 0	40.8	19	95	11.2	11.1	11.4	8.60	14.3	33.0	1.18
4275.0	23:53	58.5	18	81	11.2	11.1	11.4	8.60	14.3	37.0	1.10
4280.0	0: 9	64.7	30	97	11.0	11.0	11.4	8.60	14.3	25.6	1.36
2506											
4285.0	0:14	92.9	32	101	10.8	10.9	11.4	8.60	14.3	31.1	1.20
4290.0	0:18	80.4	33	101	10.8	10.9	11.3	8.60	14.3	29.9	1.23
4295.0	0:22	84.6	33	100	10.8	10.9	11.3	8.60	14.3	30.5	1.21
4300.0	0:57	169.3	33	85	10.8	10.9	11.1	8.60	14.3	36.6	1.01
4305.0	1: 6	68.7	35	100	10.8	10.9	11.0	8.60	14.3	22.6	1.43
4310.0	1:13	93.2	36	101	10.8	10.9	10.9	8.60	14.3	24.3	1.37
4315.0	1:14	191.3	36	99	10.8	10.9	11.0	8.60	14.3	35.0	1.03
4320.0	1:14	310.2	35	99	10.8	10.9	11.0	8.60	14.3	40.5	.87
4325.0	1:15	216.7	36	98	10.8	10.9	11.0	8.60	14.3	36.7	.98
4330.0	1:26	327.0	34	80	10.7	10.8	11.0	8.60	14.3	43.0	.79
2542											
4335.0	1:27	278.1	36	103	10.7	10.8	11.0	8.60	14.3	38.4	.93
4340.0	1:28	271.4	36	105	10.7	10.8	11.0	8.60	14.3	38.4	.94
4345.0	1:29	292.2	36	107	10.7	10.8	11.0	8.60	14.3	39.1	.91
4350.0	1:30	467.5	33	109	10.7	10.8	11.0	8.60	14.3	44.6	.77
4355.0	1:31	188.5	35	109	10.7	10.8	11.0	8.60	14.3	35.2	1.05
4360.0	1:42	293.6	25	78	10.7	10.8	11.0	8.60	14.3	47.7	.74
4365.0	1:45	116.2	14	101	10.7	10.8	11.0	8.60	14.3	44.0	.99
4370.0	1:50	75.4	18	101	10.7	10.8	11.0	8.60	14.3	38.2	1.08
4375.0	1:58	48.5	12	105	10.7	10.8	11.0	8.60	14.3	40.6	1.09
4380.0	2: 1	139.2	18	103	10.7	10.8	10.9	8.60	14.3	44.7	.94
2568											
4385.0	2: 3	146.2	17	103	10.7	10.8	10.9	8.60	14.3	44.7	.94
4390.0	2:18	57.5	27	103	10.7	10.8	10.9	8.60	14.3	28.0	1.31
4395.0	2:19	180.6	26	114	10.7	10.8	10.9	8.60	14.3	39.5	.99
4400.0	2:22	118.7	24	116	10.7	10.8	10.9	8.60	14.3	36.7	1.09
4405.0	2:24	134.7	14	121	10.7	10.8	10.9	8.60	14.3	50.1	.90
4410.0	2:33	36.8	11	123	10.7	10.8	10.9	8.60	14.3	39.6	1.15
4415.0	2:37	70.4	12	122	10.7	10.8	10.9	8.60	14.3	44.2	1.04
4420.0	2:50	78.8	8	119	10.7	10.8	10.9	8.60	14.3	51.7	.94
4425.0	2:54	73.3	9	107	10.7	10.8	10.9	8.60	14.4	52.4	.92
4430.0	3: 0	101.0	13	106	10.7	10.8	10.9	8.60	14.4	45.3	1.00
2610											
4435.0	3: 7	64.7	21	105	10.7	10.8	10.9	8.60	14.4	34.6	1.18
4440.0	3:11	65.7	21	105	10.7	10.8	10.9	8.60	14.4	34.3	1.18
4445.0	3:14	112.4	21	103	10.7	10.8	10.9	8.60	14.4	39.6	1.04
4450.0	3:15	191.0	15	102	10.9	10.8	10.9	8.60	14.4	51.3	.81
4455.0	3:26	88.9	9	101	10.8	10.8	11.0	8.60	14.4	52.7	.89
4460.0	3:36	42.2	15	110	10.8	10.8	11.0	8.60	14.4	36.7	1.21
4465.0	3:42	62.6	22	106	10.8	10.8	11.0	8.60	14.4	33.4	1.20
4470.0	3:46	79.6	22	106	10.8	10.8	11.0	8.60	14.4	35.9	1.13
4475.0	3:51	64.3	22	106	10.8	10.8	11.0	8.60	14.4	33.8	1.19
4480.0	3:54	85.9	23	107	10.8	10.8	11.0	8.60	14.4	35.7	1.13
2652											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2652											
4485.0	4: 6	101.4	21	104	10.8	10.8	11.0	8.60	14.4	39.6	1.05
4490.0	4:14	38.0	24	111	10.7	10.8	11.0	8.60	14.4	27.1	1.38
4495.0	4:22	48.0	31	110	10.7	10.8	11.0	8.60	14.4	24.2	1.43
4500.0	4:31	39.5	32	110	10.7	10.8	11.0	8.60	14.4	22.4	1.49
4505.0	4:40	53.1	32	110	10.8	10.8	11.0	8.60	14.4	23.3	1.46
4510.0	4:50	39.5	33	109	10.8	10.8	11.0	8.60	14.4	20.6	1.54
4515.0	5:12	23.1	33	104	10.8	10.8	11.0	8.60	14.4	17.7	1.63
4520.0	5:26	21.6	34	102	10.9	10.8	11.0	8.60	14.4	17.2	1.64
4525.0	5:30	108.6	32	102	10.8	10.8	11.0	8.60	14.4	31.9	1.20
4530.0	5:32	209.2	31	103	10.8	10.8	11.0	8.60	14.4	40.1	.96
2697											
4535.0	5:33	242.6	30	103	10.7	10.8	11.0	8.60	14.4	42.2	.90
4540.0	5:34	170.9	28	104	10.8	10.8	11.0	8.60	14.4	39.4	1.00
4545.0	5:36	169.5	28	105	10.8	10.8	11.0	8.60	14.4	39.9	.99
4550.0	5:45	186.7	20	101	10.7	10.8	11.0	8.60	14.4	45.4	.90
4555.0	5:55	40.6	17	111	10.7	10.8	11.0	8.60	14.4	33.8	1.24
4560.0	6: 2	40.0	23	108	10.7	10.8	11.0	8.60	14.4	28.9	1.33
4565.0	6: 7	73.9	22	108	10.7	10.8	11.0	8.60	14.4	35.3	1.16
4570.0	6:10	89.4	17	111	10.7	10.8	11.0	8.60	14.4	41.1	1.06
4575.0	6:10	111.0	10	113	10.7	10.8	11.0	8.60	14.4	52.9	.87
4580.0	0:19	25.8	8	46	10.6	10.7	10.7	8.60	14.4	45.4	.98
2736											
4585.0	0:23	80.8	13	58	10.6	10.7	10.8	8.60	14.4	45.3	.88
4590.0	1:30	34.8	14	53	10.6	10.7	10.7	8.60	14.4	30.8	1.22
4595.0	1:35	66.0	13	66	10.6	10.7	10.8	8.60	14.4	41.0	.98
4600.0	1:53	20.0	13	66	10.6	10.6	10.7	8.60	14.4	29.3	1.27
4605.0	4:24	78.9	14	60	10.6	10.7	10.8	8.60	14.4	40.6	.99
4610.0	4:46	30.3	18	64	10.6	10.8	10.8	8.60	14.4	26.1	1.34
4615.0	5: 8	45.5	19	61	10.6	10.7	10.8	8.60	14.4	26.4	1.33
4620.0	5:41	10.7	24	61	10.7	10.7	10.8	8.60	14.5	14.9	1.64
4625.0	6:12	11.6	24	63	10.7	10.7	10.8	8.60	14.5	15.4	1.62
4630.0	7: 9	6.2	22	65	10.7	10.7	10.8	8.60	14.5	11.1	1.75
2786											
4635.0	7:52	6.9	22	65	10.7	10.6	10.8	8.60	14.5	12.7	1.71
4640.0	15:21	59.0	19	66	10.7	10.6	10.8	8.60	14.5	32.2	1.18
4645.0	15:35	32.2	18	63	10.7	10.6	10.8	8.60	14.5	28.3	1.27
4650.0	15:49	39.0	17	44	10.7	10.6	10.9	8.60	14.5	34.7	1.10
4655.0	15:53	82.9	17	55	10.7	10.6	10.9	8.60	14.5	41.9	.92
4660.0	16: 0	74.0	16	65	10.7	10.6	10.9	8.60	14.5	38.2	1.03
4665.0	16:48	6.9	18	70	10.7	10.6	10.8	8.60	14.5	14.4	1.66
4670.0	1:18	6.8	17	66	10.7	10.6	10.8	8.60	14.5	16.5	1.62
4675.0	1:44	13.9	9	56	10.7	10.6	10.8	8.60	14.5	34.6	1.19
4680.0	1:55	30.1	10	62	10.7	10.6	10.8	8.60	14.5	39.3	1.07
2836											
4685.0	2: 5	32.4	8	65	10.7	10.6	10.8	8.60	14.5	44.0	1.00
4690.0	2:11	58.6	8	62	10.7	10.6	10.9	8.60	14.5	49.3	.87
4695.0	2:14	107.1	7	62	10.7	10.6	11.0	8.60	14.5	59.5	.70
4700.0	2:19	78.0	6	67	10.7	10.6	10.9	8.60	14.5	57.9	.76
4703.0	2:22	53.4	6	67	10.7	10.6	10.9	8.60	14.5	54.6	.83
NEW BIT ID: 9											
4705.0	11:51	179.6	12	143	10.6	10.7	10.7	8.60	14.5	49.6	.86
4710.0	11:52	85.5	14	144	10.6	10.7	10.7	8.60	14.5	40.1	1.07

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2865											
4715.0	11:52	134.0	16	142	10.6	10.7	10.7	8.60	14.5	41.4	1.00
4720.0	11:52	114.0	14	144	10.6	10.7	10.7	8.60	14.5	42.8	1.00
4725.0	12: 3	147.7	13	127	10.6	10.7	10.7	8.60	14.5	46.1	.92
4730.0	12: 4	208.9	15	137	10.6	10.7	10.7	8.60	14.5	47.5	.87
4735.0	12:10	73.7	13	127	10.6	10.7	10.7	8.60	14.5	39.9	1.08
4740.0	12:18	51.1	15	131	10.6	10.7	10.7	8.60	14.5	33.1	1.24
4745.0	12:21	105.0	15	133	10.6	10.7	10.7	8.60	14.5	42.0	1.02
4750.0	12:24	110.0	15	131	10.6	10.7	10.8	8.60	14.5	42.2	1.01
4755.0	12:48	25.6	14	138	10.6	10.7	10.9	8.60	14.5	29.1	1.37
4760.0	12:55	80.7	15	142	10.6	10.7	10.7	8.60	14.5	33.6	1.24
2900											
4765.0	12:57	113.7	16	141	10.6	10.7	10.8	8.60	14.5	41.4	1.03
4770.0	13: 0	96.8	16	141	10.6	10.7	10.7	8.60	14.5	39.8	1.07
4775.0	13: 1	145.7	16	141	10.6	10.7	10.8	8.60	14.5	43.6	.97
4780.0	13: 4	129.2	16	141	10.6	10.7	10.8	8.60	14.5	42.3	1.01
4783.0	13: 7	64.8	16	144	10.6	10.7	10.8	8.60	14.5	36.2	1.17

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 farenheit
MTO	-	Mud temperature out, in degrees farenheit
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	MTD	MRI	MPD	YPM	PVM	MVI	MDOV	RECDS
	64										
				NEW BIT ID:	2						
720.0	6:48	1.07	65	70	.00	.00	2	5	1164	.0	1
750.0	6:56	1.52	64	73	.00	.00	2	5	1171	.0	1
760.0	6:57	1.66	64	73	.00	.00	2	5	1171	.0	1
770.0	6:58	1.80	64	73	.00	.00	2	5	1171	.0	1
780.0	7: 3	1.48	64	72	.00	.00	2	5	1181	.0	1
790.0	7: 4	1.66	64	72	.00	.00	2	5	1202	.0	1
800.0	7: 5	1.99	65	71	.00	.00	2	5	1202	.0	1
810.0	7: 5	1.65	65	72	.00	.00	2	5	1202	.0	1
815.0	7:14	2.50	65	72	.00	.00	2	5	1202	.0	1
820.0	7:15	1.97	67	72	.00	.00	2	5	1090	.0	1
	78										
830.0	7:16	1.91	67	71	.00	.00	2	5	1090	.0	1
840.0	7:25	1.88	67	71	.00	.00	2	5	1110	.0	1
850.0	7:26	2.14	68	71	.00	.00	2	5	1150	.0	1
860.0	7:28	2.54	69	71	.00	.00	2	5	1137	.0	2
870.0	7:36	1.91	67	73	.00	.00	2	5	1124	.0	1
880.0	7:37	1.71	64	75	.00	.00	2	5	1121	.0	1
885.0	7:38	1.99	64	75	.00	.00	2	5	1121	.0	1
890.0	7:38	1.81	65	75	.00	.00	2	5	1121	.0	1
895.0	7:39	1.94	65	75	.00	.00	2	5	1117	.0	1
900.0	7:47	1.68	65	76	.00	.00	2	5	1135	.0	2
	90										
905.0	7:48	1.69	65	77	.00	.00	2	5	1159	.0	1
910.0	7:49	1.96	65	78	.00	.00	2	5	1159	.0	2
915.0	7:51	1.96	65	78	.00	.00	2	5	1159	.0	4
920.0	7:52	2.08	65	79	.00	.00	2	5	1162	.0	1
940.0	8: 3	1.82	66	79	.00	.00	2	5	1162	.0	2
950.0	8: 5	1.88	66	79	.00	.00	2	5	1170	.0	2
955.0	8: 5	1.58	66	80	.00	.00	2	5	1162	.0	1
960.0	8: 6	1.68	66	81	.00	.00	2	5	1165	.0	1
965.0	8: 7	1.82	66	82	.00	.00	2	5	1159	.0	1
970.0	8:37	2.03	66	75	.00	.00	2	5	1163	.0	1
	106										
975.0	8:39	1.96	64	70	.00	.00	2	5	1168	.0	1
980.0	8:40	2.12	64	71	.00	.00	2	5	1172	.0	2
985.0	8:41	2.23	64	74	.00	.00	2	5	1172	.0	1
990.0	8:42	2.09	64	75	.00	.00	2	5	1172	.0	1
995.0	8:43	2.20	64	75	.00	.00	2	5	1172	.0	2
1000.0	8:55	2.12	64	74	.00	.00	2	5	1168	.0	2
1005.0	8:57	2.33	64	74	.00	.00	2	5	1128	.0	1
1010.0	8:58	2.40	64	75	.00	.00	2	5	1130	.0	2
1020.0	9: 2	2.72	65	76	.00	.00	2	5	1126	.0	3
1030.0	9:13	2.47	64	76	.00	.00	2	5	1129	.0	1
	122										
1035.0	9:14	2.42	63	75	.00	.00	2	5	1139	.0	1
1040.0	9:14	2.37	63	75	.00	.00	2	5	1134	.0	1
1045.0	9:15	2.43	63	75	.00	.00	2	5	1140	.0	1
1050.0	9:17	2.63	62	76	.00	.00	2	5	1135	.0	2
1055.0	9:19	2.80	63	76	.00	.00	2	5	1123	.0	3
1060.0	9:31	2.89	64	75	.00	.00	2	5	1158	.0	2
1070.0	9:32	2.52	64	76	.00	.00	2	5	1164	.0	1

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	133										
1080.0	9:33	2.51	64	76	.00	.00	2	5	1166	.0	2
1085.0	9:35	2.75	64	76	.00	.00	2	5	1165	.0	3
1090.0	9:43	2.07	64	76	.00	.00	2	5	1165	.0	1
1095.0	9:44	2.05	66	75	.00	.00	2	5	1123	.0	1
1100.0	9:45	2.75	66	74	.00	.00	2	5	1124	.0	2
1105.0	9:46	2.63	66	75	.00	.00	2	5	1126	.0	1
1110.0	9:48	2.58	66	75	.00	.00	2	5	1126	.0	1
1115.0	9:50	2.86	67	76	.00	.00	2	5	1126	.0	2
1120.0	9:51	2.41	67	76	.00	.00	2	5	1126	.0	1
1130.0	10: 3	2.46	67	75	.00	.00	2	5	1131	.0	2
	149										
1135.0	10: 4	2.45	68	76	.00	.00	2	5	1137	.0	2
1140.0	10: 6	2.80	68	77	.00	.00	2	5	1156	.0	3
1145.0	10: 7	2.30	68	77	.00	.00	2	5	1256	.0	1
1150.0	10: 8	2.38	68	77	.00	.00	2	5	1340	.0	2
1155.0	10:18	2.73	68	78	.00	.00	2	5	1314	.0	3
1160.0	10:19	2.42	67	77	.00	.00	2	5	1247	.0	1
1165.0	10:20	2.56	68	78	.00	.00	2	5	1247	.0	1
1170.0	10:21	2.58	68	79	.00	.00	2	5	1247	.0	2
1175.0	10:23	2.53	68	79	.00	.00	2	5	1250	.0	2
1180.0	10:24	2.68	68	79	.00	.00	2	5	1250	.0	3
	169										
1190.0	10:37	2.57	69	78	.00	.00	2	5	1247	.0	2
1195.0	10:38	2.70	69	78	.00	.00	2	5	1244	.0	2
1200.0	10:39	2.18	69	80	.00	.00	2	5	1242	.0	2
1205.0	10:40	2.57	69	80	.00	.00	2	5	1242	.0	3
1210.0	10:43	2.76	68	80	.00	.00	2	5	1245	.0	4
1215.0	10:44	2.38	68	80	.00	.00	2	5	1240	.0	1
1220.0	10:53	2.82	68	78	.00	.00	2	5	1256	.0	2
1225.0	10:54	2.68	68	78	.00	.00	2	5	1259	.0	2
1230.0	10:57	2.89	68	78	.00	.00	2	5	1262	.0	4
1235.0	10:58	2.59	66	79	.00	.00	2	5	1262	.0	2
	193										
1240.0	11: 0	2.69	66	79	.00	.00	2	5	1260	.0	2
1245.0	11: 1	2.58	66	79	.00	.00	2	5	1260	.0	1
1250.0	11: 9	2.70	64	78	.00	.00	2	5	1247	.0	2
1255.0	11:11	2.72	64	78	.00	.00	2	5	1238	.0	2
1260.0	11:13	3.07	65	79	.00	.00	2	5	1238	.0	3
1265.0	11:15	2.95	66	79	.00	.00	2	5	1247	.0	2
1270.0	11:16	2.63	66	79	.00	.00	2	5	1256	.0	1
1275.0	11:25	2.76	67	78	.00	.00	2	5	1261	.0	2
1280.0	11:26	2.45	67	76	.00	.00	2	5	1261	.0	1
1290.0	11:27	2.26	67	77	.00	.00	2	5	1268	.0	1
	210										
1295.0	11:29	2.67	67	77	.00	.00	2	5	1264	.0	3
1300.0	11:30	2.63	67	77	.00	.00	2	5	1262	.0	2
1305.0	11:31	2.64	66	77	.00	.00	2	5	1262	.0	1
1310.0	11:32	2.58	66	77	.00	.00	2	5	1262	.0	1
1315.0	11:52	3.13	68	78	.00	.00	2	5	1271	.0	3
1320.0	11:55	2.88	69	79	.00	.00	2	5	1264	.0	4
1325.0	12: 1	3.10	70	79	.00	.00	2	5	1256	.0	5
1330.0	12: 3	2.56	69	78	.00	.00	2	5	1249	.0	5
1335.0	12: 6	2.67	69	78	.00	.00	2	5	1269	.0	5
1340.0	12:12	3.13	69	78	.00	.00	2	5	1281	.0	5
	244										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	PECDS
	244										
1345.0	12:29	2.78	69	78	.00	.00	2	5	1286	.0	4
1350.0	12:33	3.20	68	79	.00	.00	2	5	1269	.0	4
1355.0	12:36	2.96	68	79	.00	.00	2	5	1262	.0	3
1360.0	12:40	3.15	67	79	.00	.00	2	5	1274	.0	4
1365.0	12:44	3.18	67	79	.00	.00	2	5	1280	.0	4
1370.0	12:46	2.66	67	79	.00	.00	2	5	1283	.0	2
1380.0	12:59	2.85	68	78	.00	.00	2	5	1277	.0	6
1385.0	13: 2	2.90	69	79	.00	.00	2	5	1266	.0	3
1390.0	13: 5	2.95	70	80	.00	.00	2	5	1266	.0	3
1395.0	13: 7	2.75	69	80	.00	.00	2	5	1267	.0	2
	279										
1400.0	13: 9	2.60	69	80	.00	.00	2	5	1279	.0	3
1405.0	13:11	2.67	68	80	.00	.00	2	5	1281	.0	3
1410.0	13:18	2.69	69	79	.00	.00	2	5	1299	.0	4
1415.0	13:20	2.82	68	80	.00	.00	2	5	1293	.0	3
1420.0	13:21	2.77	68	80	.00	.00	2	5	1295	.0	2
1425.0	13:22	2.61	68	80	.00	.00	2	5	1298	.0	2
1430.0	13:25	3.05	67	80	.00	.00	2	5	1286	.0	4
1435.0	13:27	2.88	67	80	.00	.00	2	5	1283	.0	4
1440.0	13:36	3.15	68	79	.00	.00	2	5	1293	.0	4
1445.0	13:38	2.91	68	79	.00	.00	2	5	1294	.0	1
	309										
1450.0	13:41	3.12	68	79	.00	.00	2	5	1302	.0	4
1455.0	13:44	3.12	68	79	.00	.00	2	5	1302	.0	5
1460.0	13:47	3.13	67	79	.00	.00	2	5	1300	.0	4
1465.0	13:51	3.27	67	79	.00	.00	2	5	1302	.0	4
1470.0	13:57	2.91	68	75	.00	.00	2	5	1296	.0	1
1475.0	13:59	2.93	68	78	.00	.00	2	5	1281	.0	5
1480.0	14: 3	3.33	67	79	.00	.00	2	5	1275	.0	3
1485.0	14: 5	3.07	67	80	.00	.00	2	5	1275	.0	4
1490.0	14: 7	3.09	67	80	.00	.00	2	5	1285	.0	2
1495.0	14:12	3.28	68	80	.00	.00	2	5	1282	.0	5
	346										
1500.0	14:19	2.98	67	79	.00	.00	2	5	1285	.0	3
1505.0	14:21	3.13	66	79	.00	.00	2	5	1289	.0	3
1510.0	14:26	3.40	67	79	.00	.00	2	5	1287	.0	4
1515.0	14:30	3.38	67	79	.00	.00	2	5	1281	.0	3
1520.0	14:32	2.87	67	79	.00	.00	2	5	1282	.0	2
1525.0	14:33	2.95	67	79	.00	.00	2	5	1282	.0	2
1530.0	14:35	2.85	67	79	.00	.00	2	5	1282	.0	3
1535.0	14:43	3.00	68	78	.00	.00	2	5	1267	.0	3
1540.0	14:44	2.85	68	78	.00	.00	2	5	1263	.0	1
1545.0	14:45	2.78	68	78	.00	.00	2	5	1270	.0	2
	372										
1550.0	14:46	2.90	68	79	.00	.00	2	5	1264	.0	1
1555.0	14:48	2.87	68	79	.00	.00	2	5	1264	.0	1
1560.0	14:49	2.86	68	79	.00	.00	2	5	1264	.0	2
1565.0	15: 0	2.79	68	79	.00	.00	2	5	1274	.0	2
1570.0	15: 2	2.83	69	80	.00	.00	2	5	1273	.0	4
1575.0	15: 4	2.79	69	80	.00	.00	2	5	1277	.0	3
1580.0	15:12	2.92	69	80	.00	.00	2	5	1285	.0	3
1585.0	15:14	2.82	67	80	.00	.00	2	5	1288	.0	5
1590.0	15:16	2.90	68	80	.00	.00	2	5	1284	.0	5
1600.0	15:20	2.92	69	80	.00	.00	2	5	1284	.0	7
	405										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
405											
1610.0	15:26	2.58	69	80	.00	.00	2	5	1276	.0	1
1615.0	15:27	2.57	68	77	.00	.00	2	5	1282	.0	2
1620.0	15:29	2.84	68	77	.00	.00	2	5	1283	.0	3
1635.0	15:34	2.80	68	78	.00	.00	2	5	1282	.0	10
1650.0	15:42	2.81	68	79	.00	.00	2	5	1277	.0	8
1655.0	15:44	2.83	68	79	.00	.00	2	5	1267	.0	4
1660.0	15:46	2.79	67	80	.00	.00	2	5	1270	.0	4
1665.0	15:48	2.99	67	81	.00	.00	2	5	1275	.0	4
1670.0	15:50	2.86	68	81	.00	.00	2	5	1281	.0	5
1675.0	15:56	2.72	68	81	.00	.00	2	5	1267	.0	5
451											
1680.0	15:58	2.84	68	80	.00	.00	2	5	1256	.0	4
1685.0	16: 0	2.82	68	80	.00	.00	2	5	1279	.0	3
1690.0	16: 2	3.00	68	81	.00	.00	2	5	1281	.0	3
1695.0	16: 4	2.98	69	81	.00	.00	2	5	1278	.0	4
1700.0	16: 6	3.00	69	81	.00	.00	2	5	1280	.0	5
1710.0	16:16	2.84	69	76	.00	.00	2	5	1249	.0	4
1720.0	16:18	2.84	69	80	.00	.00	2	5	1271	.0	6
1725.0	16:20	2.95	69	81	.00	.00	2	5	1273	.0	5
1730.0	16:22	3.11	69	81	.00	.00	2	5	1270	.0	3
1735.0	16:24	2.98	69	81	.00	.00	2	5	1262	.0	4
492											
1740.0	16:25	2.74	69	82	.00	.00	2	5	1269	.0	3
1745.0	16:26	2.82	69	82	.00	.00	2	5	1273	.0	1
1750.0	16:35	2.77	69	82	.00	.00	2	5	1278	.0	1
1755.0	16:36	2.81	68	81	.00	.00	2	5	1270	.0	3
1760.0	16:38	2.96	68	81	.00	.00	2	5	1251	.0	5
1765.0	16:40	2.95	67	81	.00	.00	2	5	1245	.0	3
1770.0	16:42	2.92	67	82	.00	.00	2	5	1259	.0	5
1775.0	16:45	2.88	68	81	.00	.00	2	5	1268	.0	5
1780.0	16:54	3.04	69	79	.00	.00	2	5	1268	.0	5
1785.0	16:56	2.99	68	80	.00	.00	2	5	1274	.0	5
528											
1790.0	17: 0	3.07	68	81	.00	.00	2	5	1278	.0	5
1795.0	17: 3	2.97	69	81	.00	.00	2	5	1277	.0	5
1800.0	17: 6	3.18	70	81	.00	.00	2	5	1277	.0	5
1805.0	17:14	2.91	70	81	.00	.00	2	5	1273	.0	5
1810.0	17:17	2.95	70	82	.00	.00	2	5	1264	.0	5
1815.0	17:19	2.84	70	82	.00	.00	2	5	1261	.0	5
1820.0	17:22	2.93	70	82	.00	.00	2	5	1263	.0	5
1825.0	17:25	3.02	71	82	.00	.00	2	5	1264	.0	5
1830.0	17:27	2.87	71	82	.00	.00	2	5	1264	.0	4
1835.0	17:34	3.08	71	81	.00	.00	2	5	1257	.0	4
576											
1840.0	17:36	3.12	71	81	.00	.00	2	5	1255	.0	3
1845.0	17:37	3.17	71	82	.00	.00	2	5	1255	.0	1
1850.0	17:38	3.19	71	82	.00	.00	2	5	1255	.0	1
1855.0	17:39	3.03	71	82	.00	.00	2	5	1255	.0	2
1860.0	17:39	2.94	71	82	.00	.00	2	5	1257	.0	2
1870.0	17:40	2.84	71	82	.00	.00	2	5	1263	.0	2
1880.0	17:42	2.95	71	82	.00	.00	2	5	1259	.0	3
1885.0	17:43	2.96	70	82	.00	.00	2	5	1256	.0	3
1890.0	17:45	2.94	70	82	.00	.00	2	5	1256	.0	3
1900.0	22:14	2.72	71	81	.00	.00	2	5	1254	.0	5
601											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
601											
1905.0	22:16	2.88	73	81	.00	.00	2	5	1254	.0	4
1910.0	22:18	2.87	73	84	.00	.00	2	5	1258	.0	4
1915.0	22:20	3.72	71	85	.00	.00	2	5	1077	.0	4
1920.0	22:23	2.94	69	85	.00	.00	2	5	1259	.0	5
1925.0	22:25	2.85	70	85	.00	.00	2	5	1239	.0	5
1930.0	22:34	3.23	72	85	.00	.00	2	5	1232	.0	2
1935.0	22:36	2.82	74	85	.00	.00	2	5	1239	.0	5
1940.0	22:40	3.21	75	85	.00	.00	2	5	1234	.0	5
1945.0	22:43	2.92	74	85	.00	.00	2	5	1234	.0	5
1950.0	22:46	3.06	73	85	.00	.00	2	5	1230	.0	5
645											
1955.0	22:49	2.99	75	85	.00	.00	2	5	1227	.0	5
1960.0	22:52	3.00	76	85	.00	.00	2	5	1226	.0	5
1965.0	23: 2	2.91	77	86	.00	.00	2	5	1226	.0	3
1970.0	23: 4	2.93	78	86	.00	.00	2	5	1234	.0	5
1975.0	23: 6	2.78	78	87	.00	.00	2	5	1229	.0	5
1980.0	23: 8	2.87	78	88	.00	.00	2	5	1230	.0	5
1985.0	23:10	2.88	77	88	.00	.00	2	5	1225	.0	4
1990.0	23:12	2.87	77	88	.00	.00	2	5	1225	.0	5
1995.0	23:19	2.92	77	87	.00	.00	2	5	1197	.0	5
2000.0	23:22	2.73	78	87	.00	.00	2	5	1172	.0	5
692											
2005.0	23:24	2.72	77	88	.00	.00	2	5	1161	.0	5
2010.0	23:26	2.88	77	88	.00	.00	2	5	1160	.0	5
2015.0	23:27	2.80	77	88	.00	.00	2	5	1174	.0	5
2020.0	23:31	3.00	77	88	.00	.00	2	5	1227	.0	5
2025.0	23:34	2.92	78	89	.00	.00	2	5	1229	.0	5
2030.0	23:45	2.75	79	89	.00	.00	2	5	1235	.0	5
2035.0	23:47	2.85	79	90	.00	.00	2	5	1237	.0	5
2040.0	23:50	3.01	79	90	.00	.00	2	5	1234	.0	5
2045.0	23:52	2.94	79	90	.00	.00	2	5	1224	.0	5
2050.0	23:55	3.14	79	89	.00	.00	2	5	1209	.0	5
742											
2055.0	0: 7	3.08	79	88	.00	.00	2	5	1213	.0	5
2060.0	0:11	3.16	81	90	.00	.00	2	5	1229	.0	5
2065.0	0:14	3.12	81	91	.00	.00	2	5	1216	.0	3
2070.0	0:16	2.95	82	92	.00	.00	2	5	1222	.0	5
2075.0	0:18	2.91	83	92	.00	.00	2	5	1221	.0	5
2080.0	0:20	2.85	83	92	.00	.00	2	5	1219	.0	4
2080.0	0:21	3.10	83	92	.00	.00	2	5	1220	.0	1
2095.0	0:35	3.06	82	91	.00	.00	2	5	1219	.0	7
2100.0	0:39	3.07	82	92	.00	.00	2	5	1217	.0	5
2105.0	0:41	2.81	82	92	.00	.00	2	5	1214	.0	4
786											
2110.0	0:44	2.99	82	92	.00	.00	2	5	1213	.0	5
2115.0	0:48	3.17	83	93	.00	.00	2	5	1213	.0	5
2120.0	1: 3	3.29	84	94	.00	.00	2	5	1213	.0	5
2125.0	1: 9	3.30	85	94	.00	.00	2	5	1210	.0	5
2130.0	1:15	3.41	85	94	.00	.00	2	5	1221	.0	5
2135.0	1:17	3.05	85	94	.00	.00	2	5	1227	.0	5
2140.0	1:22	3.31	85	94	.00	.00	2	5	1226	.0	5
2145.0	1:27	3.37	85	94	.00	.00	2	5	1217	.0	5
2150.0	1:39	3.37	86	95	.00	.00	2	5	1222	.0	4
2155.0	1:43	3.27	86	96	.00	.00	2	5	1245	.0	4
834											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
	834										
2160.0	1:47	3.35	87	96	.00	.00	2	5	1245	.0	5
2165.0	1:58	3.26	88	97	.00	.00	2	5	1185	.0	4
2170.0	2: 4	3.33	89	97	.00	.00	2	5	1201	.0	5
2175.0	2: 9	3.30	89	98	.00	.00	2	5	1208	.0	5
2180.0	2:13	3.17	90	98	.00	.00	2	5	1206	.0	5
2185.0	2:27	3.24	90	98	.00	.00	2	5	1232	.0	4
2190.0	2:32	3.30	90	96	.00	.00	2	5	1235	.0	5
2195.0	2:38	3.38	89	97	.00	.00	2	5	1233	.0	5
2200.0	2:45	3.38	89	99	.00	.00	2	5	1231	.0	5
2205.0	2:49	3.23	89	98	.00	.00	2	5	1231	.0	5
	882										
2210.0	2:54	3.29	89	99	.00	.00	2	5	1231	.0	5
2215.0	3: 5	3.18	89	97	.00	.00	2	5	1236	.0	5
2220.0	3: 9	3.38	88	99	.00	.00	2	5	1238	.0	4
2225.0	3:13	3.31	88	99	.00	.00	2	5	1233	.0	5
2230.0	3:16	3.30	88	100	.00	.00	2	5	1219	.0	4
2235.0	3:18	3.09	88	100	.00	.00	2	5	1219	.0	5
2240.0	3:21	3.21	88	100	.00	.00	2	5	1216	.0	5
2245.0	3:33	3.16	89	100	.00	.00	2	5	1214	.0	5
2250.0	3:36	3.28	88	100	.00	.00	2	5	1199	.0	5
2255.0	3:39	3.21	89	100	.00	.00	2	5	1208	.0	5
	930										
2260.0	3:41	3.16	89	100	.00	.00	2	5	1218	.0	5
2265.0	3:44	3.19	89	100	.00	.00	2	5	1218	.0	4
2270.0	3:46	3.14	90	100	.00	.00	2	5	1218	.0	5
2275.0	3:56	3.10	90	100	.00	.00	2	5	1220	.0	4
2280.0	3:59	3.22	89	99	.00	.00	2	5	1225	.0	5
2285.0	4: 1	3.20	88	100	.00	.00	2	5	1225	.0	5
2290.0	4: 3	3.07	88	100	.00	.00	2	5	1225	.0	5
2295.0	4: 6	3.22	89	100	.00	.00	2	5	1224	.0	5
2300.0	4: 8	3.19	90	100	.00	.00	2	5	1228	.0	5
2305.0	4:16	3.13	90	100	.00	.00	2	5	1228	.0	5
	978										
2310.0	4:18	2.99	90	100	.00	.00	2	5	1214	.0	5
2315.0	4:20	3.11	89	100	.00	.00	2	5	1214	.0	5
2320.0	4:22	3.13	88	100	.00	.00	2	5	1214	.0	4
2325.0	4:25	3.23	88	99	.00	.00	2	5	1214	.0	5
2330.0	4:27	3.15	88	100	.00	.00	2	5	1214	.0	5
2335.0	4:29	3.05	87	101	.00	.00	2	5	1214	.0	4
2340.0	4:38	3.12	85	101	.00	.00	2	5	1229	.0	5
2345.0	4:40	3.06	85	101	.00	.00	2	5	1230	.0	4
2350.0	4:42	3.09	85	101	.00	.00	2	5	1230	.0	3
2355.0	4:45	3.33	85	101	.00	.00	2	5	1230	.0	5
	1023										
2360.0	4:48	3.25	85	101	.00	.00	2	5	1228	.0	4
2365.0	4:50	3.25	85	101	.00	.00	2	5	1226	.0	5
2370.0	4:58	3.09	86	99	.00	.00	2	5	1241	.0	3
2375.0	5: 0	3.07	86	98	.00	.00	2	5	1244	.0	4
2380.0	5: 3	3.24	85	99	.00	.00	2	5	1244	.0	5
2385.0	5: 5	3.23	85	101	.00	.00	2	5	1241	.0	5
2390.0	5: 8	3.18	85	100	.00	.00	2	5	1242	.0	5
2395.0	5:11	3.26	86	100	.00	.00	2	5	1243	.0	5
2400.0	5:20	3.19	86	100	.00	.00	2	5	1249	.0	5
2405.0	5:22	3.27	85	100	.00	.00	2	5	1263	.0	4
	1068										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1068											
2410.0	5:25	3.31	86	99	.00	.00	2	5	1261	.0	5
2415.0	5:28	3.27	86	100	.00	.00	2	5	1262	.0	5
2420.0	5:31	3.25	86	100	.00	.00	2	5	1262	.0	5
2425.0	5:34	3.27	87	100	.00	.00	2	5	1262	.0	5
2430.0	5:37	3.21	88	100	.00	.00	2	5	1262	.0	5
2435.0	5:57	3.39	87	100	.00	.00	2	5	1245	.0	5
2440.0	6: 1	3.28	86	99	.00	.00	2	5	1212	.0	5
2445.0	6: 3	3.28	86	100	.00	.00	2	5	1212	.0	5
2450.0	6: 6	3.36	87	100	.00	.00	2	5	1212	.0	5
2455.0	6:10	3.40	88	100	.00	.00	2	5	1212	.0	5
1118											
2460.0	6:12	3.28	88	100	.00	.00	2	5	1212	.0	5
2465.0	6:22	3.31	89	100	.00	.00	2	5	1229	.0	5
2470.0	6:25	3.21	90	100	.00	.00	2	5	1241	.0	5
2475.0	6:27	3.27	90	101	.00	.00	2	5	1241	.0	5
2480.0	6:30	3.21	91	101	.00	.00	2	5	1228	.0	5
2485.0	6:32	3.26	91	101	.00	.00	2	5	1222	.0	5
2490.0	6:34	3.17	91	101	.00	.00	2	5	1222	.0	4
2495.0	6:45	3.20	91	101	.00	.00	2	5	1214	.0	5
2500.0	6:48	3.24	91	101	.00	.00	2	5	1196	.0	5
2505.0	6:50	3.22	91	102	.00	.00	2	5	1196	.0	5
1167											
2510.0	6:53	3.25	91	102	.00	.00	2	5	1193	.0	5
2515.0	6:56	3.23	91	102	.00	.00	2	5	1204	.0	5
2520.0	6:58	3.32	91	102	.00	.00	2	5	1217	.0	5
2530.0	7:10	3.27	91	103	.00	.00	2	5	1226	.0	8
2535.0	7:12	3.20	91	100	.00	.00	2	5	1236	.0	5
2540.0	7:15	3.27	91	100	.00	.00	2	5	1238	.0	5
2545.0	7:17	3.29	91	101	.00	.00	2	5	1238	.0	5
2550.0	7:20	3.25	91	102	.00	.00	2	5	1238	.0	5
2555.0	7:22	3.22	91	102	.00	.00	2	5	1238	.0	5
2560.0	7:31	3.21	91	103	.00	.00	7	5	1302	.0	5
1220											
2565.0	7:34	3.35	91	102	.00	.00	10	5	1340	.0	5
2570.0	7:38	3.44	91	103	.00	.00	10	5	1341	.0	5
2575.0	7:42	3.50	92	103	.00	.00	10	5	1344	.0	5
2580.0	7:45	3.37	92	103	.00	.00	10	5	1342	.0	5
2585.0	7:48	3.39	92	103	.00	.00	10	5	1331	.0	5
2590.0	7:58	3.32	92	104	.00	.00	10	5	1321	.0	5
2595.0	8: 1	3.30	92	103	.00	.00	10	5	1325	.0	4
2600.0	8: 4	3.39	92	104	.00	.00	10	5	1325	.0	5
2605.0	8: 7	3.45	92	104	.00	.00	10	5	1325	.0	5
2610.0	8:10	3.38	93	104	.00	.00	10	5	1325	.0	5
1269											
2615.0	8:13	3.26	93	104	.00	.00	10	5	1325	.0	4
2620.0	8:22	3.25	93	104	.00	.00	10	5	1338	.0	4
2625.0	8:26	3.40	93	103	.00	.00	10	5	1352	.0	5
2630.0	8:29	3.34	93	104	.00	.00	10	5	1336	.0	5
2635.0	8:31	3.23	94	104	.00	.00	10	5	1335	.0	5
2640.0	8:33	3.13	94	105	.00	.00	10	5	1337	.0	5
2645.0	8:35	3.11	94	105	.00	.00	10	5	1337	.0	5
2650.0	8:43	3.03	94	105	.00	.00	10	5	1335	.0	3
2655.0	8:45	2.87	94	105	.00	.00	10	5	1337	.0	3
2660.0	8:46	2.57	94	105	.00	.00	10	5	1335	.0	1
1309											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	1309										
2665.0	8:46	2.62	94	105	.00	.00	10	5	1340	.0	1
2670.0	8:47	2.70	94	104	.00	.00	10	5	1335	.0	1
2680.0	8:48	2.56	94	104	.00	.00	10	5	1335	.0	1
2690.0	8:59	2.54	94	101	.00	.00	10	5	1347	.0	2
2700.0	9: 0	2.41	95	99	.00	.00	10	5	1349	.0	1
2710.0	9: 1	2.57	95	100	.00	.00	10	5	1349	.0	1
2720.0	9:12	2.40	94	102	.00	.00	10	5	1335	.0	1
2730.0	9:14	2.47	94	102	.00	.00	10	5	1331	.0	1
2740.0	9:15	2.67	94	102	.00	.00	10	5	1331	.0	1
2750.0	9:23	2.42	93	102	.00	.00	10	5	1313	.0	1
	1320										
2760.0	9:24	2.84	93	102	.00	.00	10	5	1301	.0	3
2765.0	9:25	2.90	93	103	.00	.00	10	5	1300	.0	2
2770.0	9:26	2.69	93	103	.00	.00	10	5	1300	.0	1
2775.0	9:35	2.90	92	103	.00	.00	10	5	1327	.0	1
2780.0	9:35	2.27	92	103	.00	.00	10	5	1324	.0	1
2790.0	9:36	2.57	92	103	.00	.00	10	5	1324	.0	1
2800.0	9:40	2.96	93	104	.00	.00	10	5	1319	.0	3
2805.0	9:42	3.20	93	105	.00	.00	10	5	1319	.0	3
2810.0	9:50	2.64	94	105	.00	.00	10	5	1342	.0	3
2820.0	9:52	2.78	94	105	.00	.00	10	5	1363	.0	2
	1340										
2830.0	9:53	2.60	94	106	.00	.00	10	5	1366	.0	2
2840.0	9:53	2.18	94	106	.00	.00	10	5	1368	.0	1
2850.0	10: 1	1.96	93	106	.00	.00	10	5	1331	.0	1
2860.0	10: 1	2.13	93	106	.00	.00	10	5	1326	.0	1
2870.0	10: 2	2.28	93	107	.00	.00	10	5	1326	.0	1
2880.0	10:13	2.43	93	106	.00	.00	10	5	1344	.0	2
2890.0	10:13	2.37	93	105	.00	.00	10	5	1344	.0	1
2895.0	10:14	2.93	93	105	.00	.00	10	5	1347	.0	2
2900.0	10:14	2.16	94	105	.00	.00	10	5	1351	.0	1
2910.0	10:23	2.32	92	106	.00	.00	10	5	1342	.0	1
	1353										
2920.0	10:24	2.25	92	106	.00	.00	10	5	1342	.0	1
2925.0	10:25	3.09	92	106	.00	.00	10	5	1342	.0	3
2930.0	10:26	3.01	92	105	.00	.00	10	5	1342	.0	1
2935.0	10:36	3.13	92	105	.00	.00	10	5	1350	.0	3
2940.0	10:37	3.07	91	105	.00	.00	10	5	1374	.0	2
2950.0	10:38	1.60	91	105	.00	.00	10	5	1359	.0	1
2960.0	36:24	.71	57	61	.00	.00	1	5	1261	.0	1
2965.0	36:24	.96	57	61	.00	.00	1	5	1261	.0	2
2970.0	36:24	1.18	57	61	.00	.00	1	5	1253	.0	2
2975.0	36:24	1.28	57	61	.00	.00	1	5	1245	.0	1
	1374										
2980.0	36:24	1.70	57	61	.00	.00	1	5	1245	.0	1
2985.0	36:24	1.52	57	61	.00	.00	1	5	1245	.0	2
2990.0	36:24	1.53	57	61	.00	.00	1	5	1245	.0	2
2995.0	36:24	1.46	57	61	.00	.00	1	5	1179	.0	4
3000.0	36:24	1.04	57	61	.00	.00	1	5	1286	.0	2
3005.0	36:24	1.08	57	61	.00	.00	1	5	1286	.0	1
3010.0	36:24	.83	57	61	.00	.00	1	5	1286	.0	1
3015.0	36:24	.18	57	61	.00	.00	1	5	1286	.0	1
3020.0	0: 0	-.12	57	61	.00	.00	1	5	1286	.0	1
3025.0	0: 2	1.01	57	61	.00	.00	1	5	1286	.0	3
	1392										

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
1392											
3030.0	0:10	1.31	57	61	.00	.00	1	5	1283	.0	4
3035.0	0:49	1.38	57	61	.00	.00	1	5	1233	.0	4
3040.0	0:53	.86	57	61	.00	.00	1	5	1231	.0	3
3045.0	0:57	.47	57	61	.00	.00	1	5	1233	.0	3
3050.0	1:13	1.36	57	60	.00	.00	1	5	1235	.0	5
3055.0	1:31	2.10	56	59	.00	.00	1	5	1235	.0	5
3060.0	2: 2	2.39	56	59	.00	.00	1	5	1235	.0	5
3065.0	2:20	1.74	55	58	.00	.00	1	5	1228	.0	5
3070.0	2:23	.39	55	58	.00	.00	1	5	1223	.0	2
3075.0	2:34	.89	55	58	.00	.00	1	5	1223	.0	5
1433											
3080.0	2:51	1.47	55	58	.00	.00	1	5	1223	.0	5
3085.0	3:18	1.78	56	59	.00	.00	1	5	1223	.0	5
3090.0	3:38	1.96	55	58	.00	.00	1	5	1223	.0	5
3095.0	3:56	2.04	56	59	.00	.00	1	5	1223	.0	5
3100.0	4:23	1.41	56	59	.00	.00	1	5	1222	.0	5
3105.0	4:51	2.42	57	60	.00	.00	1	5	1224	.0	5
3110.0	5:13	2.39	57	61	.00	.00	1	5	1228	.0	5
3115.0	5:28	2.25	57	61	.00	.00	1	5	1228	.0	5
3120.0	5:46	2.37	57	61	.00	.00	1	5	1228	.0	5
3125.0	6: 7	2.33	57	62	.00	.00	1	5	1228	.0	5
1483											
3130.0	6:36	2.26	58	62	.00	.00	1	5	1236	.0	5
3135.0	6:55	2.42	58	62	.00	.00	1	5	1246	.0	5
3140.0	7:11	2.45	58	62	.00	.00	1	5	1244	.0	5
3145.0	7:30	2.49	58	63	.00	.00	1	5	1240	.0	5
3150.0	7:48	2.45	58	63	.00	.00	1	5	1238	.0	5
3155.0	8: 7	2.44	58	62	.00	.00	1	5	1241	.0	5
3160.0	8:29	2.58	58	63	.00	.00	1	5	1226	.0	5
3165.0	8:42	2.72	58	63	.00	.00	1	5	1198	.0	5
3170.0	8:54	2.77	58	64	.00	.00	1	5	1199	.0	5
3175.0	9: 5	2.72	58	64	.00	.00	1	5	1202	.0	5
1533											
3180.0	9:17	2.80	58	64	.00	.00	1	5	1203	.0	5
3185.0	9:27	2.67	58	65	.00	.00	1	5	1178	.0	5
3190.0	9:40	2.74	58	65	.00	.00	1	5	1142	.0	5
3195.0	9:55	2.84	57	65	.00	.00	1	5	1137	.0	5
3200.0	10: 4	2.74	58	65	.00	.00	1	5	1164	.0	5
3201.0	10: 7	2.58	58	65	.00	.00	1	5	1166	.0	1
NEW BIT ID: 4											
3205.0	2:13	2.41	74	81	.00	.00	12	18	781	.0	3
3210.0	2:16	2.41	74	81	.00	.00	12	18	792	.0	4
3215.0	2:20	2.45	75	81	.00	.00	12	18	794	.0	5
3220.0	5:46	2.55	75	82	.00	.00	12	18	793	.0	1
1576											
3225.0	5:47	2.45	75	83	.00	.00	12	18	728	.0	1
3230.0	5:49	2.46	75	83	.00	.00	12	18	712	.0	3
3235.0	5:54	2.63	75	84	.00	.00	12	18	712	.0	5
3240.0	5:58	2.54	75	85	.00	.00	12	18	710	.0	5
3245.0	6: 2	2.47	76	85	.00	.00	12	18	711	.0	5
3250.0	6: 6	2.51	76	85	.00	.00	12	18	710	.0	5
3255.0	6:10	2.55	76	84	.00	.00	12	18	674	.0	5

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	1605										
3260.0	6:29	2.49	76	85	.00	.00	12	18	755	.0	5
3265.0	6:31	2.50	76	85	.00	.00	12	18	774	.0	4
3270.0	6:34	2.45	76	85	.00	.00	12	18	747	.0	5
3275.0	6:41	2.41	75	86	.00	.00	12	18	784	.0	5
3280.0	6:44	2.47	75	85	.00	.00	12	18	792	.0	5
3285.0	6:46	2.44	75	86	.00	.00	12	18	792	.0	5
3290.0	6:55	2.40	76	86	.00	.00	12	18	800	.0	5
3295.0	6:56	2.41	76	86	.00	.00	12	18	810	.0	5
3300.0	6:58	2.42	76	85	.00	.00	12	18	809	.0	4
3305.0	7: 0	2.53	76	86	.00	.00	12	18	805	.0	5
	1653										
3310.0	7: 6	2.36	76	86	.00	.00	12	18	805	.0	5
3315.0	7:13	2.17	77	87	.00	.00	12	18	763	.0	5
3320.0	7:29	2.01	77	87	.00	.00	12	18	722	.0	4
3325.0	7:40	2.41	76	87	.00	.00	12	18	733	.0	5
3330.0	7:48	2.41	77	87	.00	.00	12	18	741	.0	5
3335.0	7:56	2.44	77	85	.00	.00	12	18	743	.0	5
3340.0	8: 4	2.40	78	86	.00	.00	12	18	739	.0	5
3345.0	8:13	2.45	78	86	.00	.00	12	18	736	.0	5
3350.0	8:22	2.30	78	86	.00	.00	12	18	739	.0	5
3355.0	8:27	2.30	78	86	.00	.00	12	18	727	.0	5
	1702										
3360.0	8:32	2.33	78	86	.00	.00	12	18	747	.0	5
3365.0	8:37	2.30	78	86	.00	.00	12	18	749	.0	5
3370.0	8:42	2.32	79	85	.00	.00	12	18	749	.0	5
3375.0	8:47	2.32	79	85	.00	.00	12	18	747	.0	5
3380.0	8:59	2.33	79	85	.00	.00	12	18	740	.0	5
3385.0	9: 5	2.32	79	86	.00	.00	12	18	740	.0	4
3390.0	9:13	2.53	79	86	.00	.00	12	18	747	.0	5
3395.0	9:19	2.49	79	86	.00	.00	12	18	747	.0	5
3400.0	9:28	2.64	79	87	.00	.00	12	18	745	.0	5
3405.0	10:16	2.58	81	88	.00	.00	12	18	744	.0	5
	1751										
3410.0	10:38	2.86	82	88	.00	.00	12	18	747	.0	5
3415.0	10:41	2.44	81	85	.00	.00	12	18	733	.0	3
3420.0	10:42	2.28	81	85	.00	.00	12	18	733	.0	1
3425.0	10:53	2.67	81	83	.00	.00	12	18	747	.0	4
3430.0	11:30	2.57	83	85	.00	.00	12	18	749	.0	5
3435.0	11:36	2.56	84	85	.00	.00	12	18	748	.0	5
3440.0	11:41	2.54	84	85	.00	.00	12	18	746	.0	5
3445.0	11:45	2.55	84	85	.00	.00	12	18	747	.0	5
3450.0	12:52	2.39	84	88	.00	.00	12	18	754	.0	5
3455.0	13: 1	2.27	84	89	.00	.00	12	18	756	.0	5
	1794										
3460.0	13: 8	2.04	84	89	.00	.00	12	18	758	.0	5
3465.0	13:19	1.97	85	89	.00	.00	12	18	758	.0	5
3470.0	13:25	1.45	85	90	.00	.00	12	18	753	.0	5
3475.0	13:31	1.39	85	90	.00	.00	12	18	751	.0	5
3480.0	13:48	1.49	85	90	.00	.00	12	18	775	.0	3
3485.0	13:52	1.02	85	91	.00	.00	12	18	743	.0	5
3490.0	14: 6	1.40	84	91	.00	.00	12	18	745	.0	5
3495.0	14:17	1.73	85	92	.00	.00	12	18	749	.0	5
3500.0	14:43	2.52	87	94	.00	.00	12	18	751	.0	5
3505.0	15: 4	2.61	85	94	.00	.00	12	18	749	.0	5
	1842										

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MIDV	RECDS
1842											
3510.0	15:14	1.42	87	95	.00	.00	12	18	769	.0	3
3515.0	15:18	.51	87	95	.00	.00	12	18	780	.0	4
3520.0	15:19	.74	87	95	.00	.00	12	18	762	.0	1
3525.0	15:20	.10	87	95	.00	.00	12	18	726	.0	2
3530.0	15:21	.56	87	95	.00	.00	12	18	725	.0	1
3535.0	15:40	-1.52	87	96	.00	.00	12	18	778	.0	3
3540.0	15:43	-1.36	87	97	.00	.00	12	18	781	.0	1
3545.0	15:44	-3.02	87	97	.00	.00	12	18	781	.0	2
3550.0	15:47	-3.23	88	97	.00	.00	12	18	781	.0	3
3555.0	15:54	1.77	87	97	.00	.00	12	18	751	.0	4
1866											
3560.0	16:20	2.49	87	96	.00	.00	12	18	739	.0	5
3565.0	17: 8	2.67	87	96	.00	.00	12	18	733	.0	5
3570.0	17:30	2.21	88	98	.00	.00	12	18	722	.0	4
3573.0	17:40	2.49	87	100	.00	.00	12	18	668	.0	2
NEW BIT ID: 5											
3575.0	2:23	3.17	79	89	.00	.00	12	18	739	.0	2
3580.0	3: 3	3.33	82	92	.00	.00	12	18	740	.0	5
3585.0	3:19	3.35	83	92	.00	.00	12	18	787	.0	5
3590.0	3:29	2.96	83	92	.00	.00	12	18	785	.0	4
3595.0	3:31	2.33	83	92	.00	.00	12	18	786	.0	3
3600.0	3:39	1.68	83	93	.00	.00	12	18	803	.0	1
1906											
3605.0	3:41	2.34	83	93	.00	.00	12	18	806	.0	3
3610.0	3:43	2.13	83	93	.00	.00	12	18	810	.0	4
3615.0	4:12	3.25	83	93	.00	.00	12	18	773	.0	5
3620.0	4:40	3.78	84	94	.00	.00	12	18	728	.0	4
3625.0	5:14	3.61	83	92	.00	.00	12	18	617	.0	5
3630.0	5:51	3.72	83	91	.00	.00	12	18	587	.0	5
3635.0	6:20	3.69	82	92	.00	.00	12	18	542	.0	5
3640.0	6:26	3.30	82	91	.00	.00	12	18	612	.0	5
3645.0	6:31	3.29	82	92	.00	.00	12	18	609	.0	5
3650.0	6:38	3.56	82	92	.00	.00	12	18	593	.0	5
1952											
3655.0	6:49	3.64	82	92	.00	.00	12	18	588	.0	5
3660.0	6:59	3.68	82	92	.00	.00	12	18	585	.0	5
3665.0	7:18	3.65	83	92	.00	.00	12	19	568	.0	5
3670.0	7:28	3.63	83	91	.00	.00	13	21	588	.0	5
3675.0	7:41	3.70	83	92	.00	.00	13	21	586	.0	5
3680.0	7:51	3.64	84	93	.00	.00	13	21	583	.0	5
3685.0	8: 2	3.66	84	93	.00	.00	13	21	579	.0	5
3690.0	8:11	3.54	84	93	.00	.00	13	21	699	.0	5
3695.0	8:28	3.28	85	93	.00	.00	13	21	758	.0	5
3700.0	8:32	3.14	85	94	.00	.00	13	21	762	.0	5
2002											
3705.0	8:37	3.30	86	94	.00	.00	13	21	762	.0	4
3710.0	8:46	3.49	86	94	.00	.00	13	21	763	.0	5
3715.0	8:50	3.13	87	95	.00	.00	13	21	761	.0	5
3720.0	8:59	2.92	87	95	.00	.00	13	21	760	.0	3
3725.0	9: 1	2.78	87	95	.00	.00	13	21	755	.0	3
3730.0	9: 6	2.98	87	95	.00	.00	13	21	759	.0	5
3735.0	9:10	2.84	87	96	.00	.00	13	21	758	.0	4

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
2031											
3740.0	9:15	2.91	87	96	.00	.00	13	21	758	.0	5
3745.0	9:16	2.60	87	96	.00	.00	13	21	758	.0	2
3750.0	9:19	2.58	87	96	.00	.00	13	21	758	.0	4
3755.0	9:21	2.44	88	96	.00	.00	13	21	758	.0	4
3760.0	9:29	2.16	88	97	.00	.00	13	21	756	.0	3
3765.0	9:32	2.16	88	96	.00	.00	13	21	764	.0	4
3770.0	9:33	1.44	88	96	.00	.00	13	21	764	.0	1
3775.0	9:38	2.16	88	97	.00	.00	13	21	764	.0	5
3780.0	9:47	2.59	88	97	.00	.00	13	21	764	.0	5
3785.0	9:57	2.37	88	97	.00	.00	13	21	762	.0	5
2069											
3790.0	10: 0	2.00	88	97	.00	.00	13	21	775	.0	5
3795.0	10: 4	2.01	88	97	.00	.00	13	21	749	.0	5
3800.0	10:13	2.41	89	98	.00	.00	13	21	748	.0	5
3805.0	10:22	2.74	89	98	.00	.00	13	21	750	.0	5
3810.0	10:25	2.39	89	98	.00	.00	13	21	750	.0	4
3815.0	10:28	2.36	90	98	.00	.00	13	21	747	.0	5
3820.0	10:38	2.29	90	99	.00	.00	13	21	759	.0	5
3825.0	10:42	2.44	90	97	.00	.00	13	21	763	.0	5
3830.0	10:49	2.55	90	95	.00	.00	13	21	762	.0	5
3835.0	11: 8	2.61	90	96	.00	.00	13	21	758	.0	5
2118											
3840.0	11:42	3.60	91	100	.00	.00	13	21	711	.0	5
3845.0	11:50	3.20	91	100	.00	.00	13	21	693	.0	5
3850.0	12: 1	2.94	91	100	.00	.00	13	21	699	.0	2
3855.0	12:22	3.73	91	100	.00	.00	13	21	715	.0	5
3860.0	12:39	3.66	92	101	.00	.00	13	21	709	.0	5
3865.0	12:47	3.32	92	101	.00	.00	13	21	712	.0	5
3870.0	13: 2	3.57	92	99	.00	.00	13	21	706	.0	5
3875.0	13:13	3.51	92	101	.00	.00	13	21	704	.0	5
3880.0	13:29	3.45	92	102	.00	.00	13	21	652	.0	5
3885.0	13:36	3.02	92	102	.00	.00	13	21	658	.0	4
2164											
3890.0	13:47	3.44	92	102	.00	.00	13	21	655	.0	5
3895.0	14: 1	3.48	92	101	.00	.00	13	21	652	.0	5
3900.0	14:23	3.78	92	101	.00	.00	13	21	645	.0	5
3905.0	14:35	3.59	92	101	.00	.00	13	21	644	.0	5
3910.0	14:49	3.57	92	101	.00	.00	13	21	646	.0	5
3915.0	15:19	3.73	92	101	.00	.00	13	21	670	.0	5
3920.0	15:38	3.82	92	101	.00	.00	13	21	640	.0	5
3925.0	15:49	3.60	90	101	.00	.00	13	21	647	.0	5
3930.0	15:58	3.54	91	101	.00	.00	13	21	647	.0	5
3935.0	16: 8	3.56	91	101	.00	.00	13	21	647	.0	5
2214											
3940.0	16:20	3.68	91	101	.00	.00	13	21	646	.0	5
3945.0	16:33	3.31	92	101	.00	.00	13	21	650	.0	5
3950.0	16:44	3.59	92	100	.00	.00	13	21	652	.0	5
3955.0	16:50	3.30	92	101	.00	.00	13	21	655	.0	5
3960.0	16:57	3.40	92	101	.00	.00	13	21	660	.0	5
3965.0	17:11	3.73	91	101	.00	.00	13	21	648	.0	5
3970.0	17:22	3.64	91	99	.00	.00	13	21	645	.0	5
3975.0	17:41	3.58	91	100	.00	.00	13	21	646	.0	3
3980.0	17:48	3.30	91	100	.00	.00	13	21	656	.0	4
3985.0	17:57	3.52	91	101	.00	.00	13	21	662	.0	5
2261											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV PECDS	
2261											
3990.0	18: 4	3.53	91	101	.00	.00	13	21	661	.0	4
3995.0	18:16	3.34	92	101	.00	.00	13	21	665	.0	3
4000.0	18:20	3.03	92	101	.00	.00	13	21	662	.0	5
4005.0	18:30	3.51	91	101	.00	.00	13	21	662	.0	4
4010.0	18:59	3.90	91	101	.00	.00	13	21	628	.0	5
4015.0	19:17	3.83	92	101	.00	.00	13	21	669	.0	5
4020.0	19:28	3.68	92	100	.00	.00	13	21	660	.0	5
4025.0	19:46	3.94	92	100	.00	.00	13	21	653	.0	5
4030.0	20: 0	3.80	92	102	.00	.00	13	21	654	.0	5
4035.0	20: 9	3.64	92	102	.00	.00	13	21	654	.0	5
2307											
4040.0	20:25	3.65	92	101	.00	.00	13	21	660	.0	5
4045.0	20:33	3.49	91	100	.00	.00	13	21	685	.0	5
4050.0	20:42	3.65	92	100	.00	.00	13	21	684	.0	5
4055.0	20:52	3.63	92	101	.00	.00	13	21	683	.0	5
4060.0	21: 0	3.60	92	102	.00	.00	13	21	684	.0	5
4065.0	21:19	3.97	92	102	.00	.00	13	21	682	.0	5
4070.0	21:35	2.27	92	102	.00	.00	13	21	681	.0	3
4075.0	21:37	2.63	92	101	.00	.00	13	21	675	.0	1
4080.0	21:38	2.38	92	100	.00	.00	13	21	675	.0	2
4085.0	21:38	2.40	92	100	.00	.00	13	21	675	.0	1
2344											
4090.0	21:39	2.15	92	100	.00	.00	13	21	675	.0	1
4095.0	21:40	2.07	92	101	.00	.00	13	21	679	.0	1
4100.0	21:51	2.07	92	102	.00	.00	13	21	702	.0	1
4105.0	22:53	3.30	87	101	.00	.00	13	21	461	.0	3
4110.0	22:58	2.76	81	98	.00	.00	13	21	478	.0	5
4115.0	23: 0	2.49	82	100	.00	.00	13	21	564	.0	4
4120.0	0: 3	4.10	86	100	.00	.00	13	21	595	.0	5
4125.0	0:41	4.19	90	100	.00	.00	13	21	670	.0	5
4130.0	0:58	3.42	91	101	.00	.00	13	21	691	.0	4
4135.0	1: 1	2.90	91	101	.00	.00	13	21	700	.0	1
2374											
4140.0	1: 9	3.50	91	101	.00	.00	13	21	710	.0	5
4145.0	1:17	3.48	91	101	.00	.00	13	21	705	.0	5
4150.0	1:33	3.75	91	102	.00	.00	13	21	706	.0	5
4155.0	1:43	3.42	92	102	.00	.00	13	21	707	.0	5
4160.0	2:12	3.86	92	102	.00	.00	13	21	702	.0	5
4165.0	2:32	3.56	93	101	.00	.00	13	21	699	.0	4
4170.0	2:51	3.79	93	103	.00	.00	13	21	706	.0	5
4175.0	3:16	3.89	92	104	.00	.00	13	21	706	.0	5
4180.0	3:35	3.84	94	104	.00	.00	13	21	709	.0	5
4185.0	3:46	3.44	94	105	.00	.00	13	21	708	.0	5
2423											
4190.0	3:52	3.34	94	105	.00	.00	13	21	708	.0	5
4195.0	3:58	3.33	94	105	.00	.00	13	21	710	.0	5
4200.0	4:13	3.17	94	105	.00	.00	13	21	728	.0	5
4205.0	4:18	2.96	94	104	.00	.00	13	21	725	.0	5
4210.0	4:30	3.41	94	102	.00	.00	13	21	703	.0	5
4215.0	4:41	3.39	94	103	.00	.00	16	21	715	.0	5
4220.0	5: 2	3.80	93	105	.00	.00	20	20	722	.0	5
4225.0	5:15	3.58	93	105	.00	.00	20	20	722	.0	5
4230.0	5:43	3.84	94	105	.00	.00	20	20	727	.0	5
4232.0	5:55	3.74	95	106	.00	.00	20	20	725	.0	2

NEW BIT ID: 6

2474

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
2474											
4235.0	2:20	3.00	83	97	.00	.00	20	20	682	.0	3
4240.0	2:48	3.30	85	96	.00	.00	20	20	712	.0	5
4245.0	21:44	2.10	79	93	.00	.00	20	20	314	.0	1
4250.0	21:44	2.49	79	97	.00	.00	20	20	369	.0	1
4255.0	21:48	3.31	79	96	.00	.00	20	20	371	.0	1
4260.0	21:49	3.08	80	95	.00	.00	20	20	372	.0	1
4265.0	21:52	3.10	80	90	.00	.00	20	20	370	.0	2
4270.0	22: 0	3.05	80	90	.00	.00	20	20	371	.0	5
4275.0	23:53	2.87	80	86	.00	.00	20	20	373	.0	4
4280.0	0: 9	3.39	78	88	.00	.00	20	20	421	.0	5
2506											
4285.0	0:14	3.14	78	90	.00	.00	20	20	457	.0	5
4290.0	0:18	3.20	78	91	.00	.00	20	20	459	.0	5
4295.0	0:22	3.17	79	91	.00	.00	20	20	459	.0	5
4300.0	0:57	2.89	81	91	.00	.00	20	20	461	.0	5
4305.0	1: 6	3.53	82	92	.00	.00	20	20	462	.0	5
4310.0	1:13	3.46	84	92	.00	.00	20	20	458	.0	5
4315.0	1:14	2.97	84	92	.00	.00	20	20	458	.0	3
4320.0	1:14	2.72	84	92	.00	.00	20	20	458	.0	1
4325.0	1:15	2.90	84	92	.00	.00	20	20	458	.0	1
4330.0	1:26	2.61	84	93	.00	.00	20	20	458	.0	1
2542											
4335.0	1:27	2.82	84	93	.00	.00	20	20	469	.0	2
4340.0	1:28	2.82	84	93	.00	.00	20	20	470	.0	1
4345.0	1:29	2.79	84	93	.00	.00	20	20	470	.0	1
4350.0	1:30	2.54	84	93	.00	.00	20	20	470	.0	1
4355.0	1:31	2.97	84	94	.00	.00	20	20	466	.0	2
4360.0	1:42	2.40	84	95	.00	.00	20	20	459	.0	1
4365.0	1:45	2.57	84	95	.00	.00	20	20	458	.0	3
4370.0	1:50	2.83	84	95	.00	.00	20	20	457	.0	5
4375.0	1:58	2.73	85	95	.00	.00	20	20	457	.0	5
4380.0	2: 1	2.54	86	96	.00	.00	20	20	459	.0	5
2568											
4385.0	2: 3	2.54	86	96	.00	.00	20	20	459	.0	4
4390.0	2:18	3.31	87	96	.00	.00	20	20	458	.0	5
4395.0	2:19	2.78	87	97	.00	.00	20	20	457	.0	4
4400.0	2:22	2.91	87	97	.00	.00	20	20	458	.0	4
4405.0	2:24	2.30	87	98	.00	.00	20	20	458	.0	4
4410.0	2:33	2.78	88	98	.00	.00	20	20	458	.0	5
4415.0	2:37	2.57	88	98	.00	.00	20	20	457	.0	4
4420.0	2:50	2.22	89	99	.00	.00	20	20	458	.0	4
4425.0	2:54	2.19	89	99	.00	.00	20	20	456	.0	3
4430.0	3: 0	2.52	89	99	.00	.00	20	20	456	.0	5
2610											
4435.0	3: 7	3.02	89	99	.00	.00	20	20	455	.0	5
4440.0	3:11	3.03	89	98	.00	.00	20	20	455	.0	4
4445.0	3:14	2.79	90	98	.00	.00	20	20	456	.0	4
4450.0	3:15	2.25	90	98	.00	.00	20	20	456	.0	3
4455.0	3:26	2.18	90	100	.00	.00	20	20	449	.0	2
4460.0	3:36	2.92	90	100	.00	.00	20	20	450	.0	5
4465.0	3:42	3.08	90	101	.00	.00	20	20	452	.0	5
4470.0	3:46	2.96	90	101	.00	.00	20	20	451	.0	5
4475.0	3:51	3.06	91	101	.00	.00	20	20	449	.0	5
4480.0	3:54	2.97	91	101	.00	.00	20	20	450	.0	4
2652											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
2652											
4485.0	4: 6	2.80	91	101	.00	.00	20	20	450	.0	2
4490.0	4:14	3.38	90	101	.00	.00	20	20	450	.0	5
4495.0	4:22	3.51	90	101	.00	.00	20	20	448	.0	5
4500.0	4:31	3.59	90	101	.00	.00	20	20	449	.0	5
4505.0	4:40	3.55	90	101	.00	.00	20	20	447	.0	5
4510.0	4:50	3.68	90	101	.00	.00	20	20	446	.0	5
4515.0	5:12	3.81	87	99	.00	.00	20	20	449	.0	5
4520.0	5:26	3.84	87	98	.00	.00	20	20	454	.0	5
4525.0	5:30	3.16	88	99	.00	.00	20	20	456	.0	5
4530.0	5:32	2.78	88	100	.00	.00	20	20	457	.0	3
2697											
4535.0	5:33	2.68	89	100	.00	.00	20	20	457	.0	1
4540.0	5:34	2.81	89	100	.00	.00	20	20	457	.0	3
4545.0	5:36	2.79	89	100	.00	.00	20	20	458	.0	3
4550.0	5:45	2.54	88	100	.00	.00	20	20	462	.0	3
4555.0	5:55	3.08	88	100	.00	.00	20	20	463	.0	5
4560.0	6: 2	3.31	88	100	.00	.00	20	20	462	.0	5
4565.0	6: 7	3.01	89	100	.00	.00	20	20	461	.0	5
4570.0	6:10	2.74	89	100	.00	.00	20	20	460	.0	4
4575.0	6:10	2.19	89	100	.00	.00	20	20	461	.0	1
4580.0	0:19	2.54	84	97	.00	.00	14	18	265	.0	5
2736											
4585.0	0:23	2.55	85	94	.00	.00	14	18	337	.0	5
4590.0	1:30	3.22	84	93	.00	.00	14	18	284	.0	5
4595.0	1:35	2.75	82	90	.00	.00	14	18	322	.0	5
4600.0	1:53	3.29	82	93	.00	.00	14	18	307	.0	5
4605.0	4:24	2.77	78	90	.00	.00	14	18	333	.0	5
4610.0	4:46	3.45	76	88	.00	.00	14	18	345	.0	5
4615.0	5: 8	3.44	77	92	.00	.00	14	18	339	.0	5
4620.0	5:41	3.97	80	92	.00	.00	14	18	333	.0	5
4625.0	6:12	3.95	82	91	.00	.00	14	18	335	.0	5
4630.0	7: 9	4.15	82	92	.00	.00	14	18	349	.0	5
2786											
4635.0	7:52	4.08	83	92	.00	.00	14	18	363	.0	5
4640.0	15:21	3.17	83	89	.00	.00	14	18	322	.0	5
4645.0	15:35	3.35	79	76	.00	.00	14	18	209	.0	5
4650.0	15:49	3.05	78	82	.00	.00	14	18	180	.0	5
4655.0	15:53	2.72	78	83	.00	.00	14	18	257	.0	5
4660.0	16: 0	2.89	77	85	.00	.00	14	18	261	.0	5
4665.0	16:48	4.01	76	87	.00	.00	14	18	281	.0	5
4670.0	1:18	3.91	77	88	.00	.00	14	18	280	.0	5
4675.0	1:44	3.06	76	89	.00	.00	14	18	266	.0	5
4680.0	1:55	2.84	77	91	.00	.00	14	18	273	.0	5
2836											
4685.0	2: 5	2.63	77	91	.00	.00	14	18	263	.0	5
4690.0	2:11	2.38	77	91	.00	.00	14	18	198	.0	5
4695.0	2:14	1.90	77	91	.00	.00	14	18	196	.0	5
4700.0	2:19	1.97	77	90	.00	.00	14	18	191	.0	5
4703.0	2:22	2.13	77	90	.00	.00	14	18	191	.0	3
NEW BIT ID: 9											
4705.0	11:51	2.36	82	91	.00	.00	12	19	369	.0	1
4710.0	11:52	2.81	82	91	.00	.00	12	19	367	.0	1

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
2865											
4715.0	11:52	2.75	82	91	.00	.00	12	19	367	.0	1
4720.0	11:52	2.69	82	91	.00	.00	12	19	367	.0	1
4725.0	12: 3	2.53	82	92	.00	.00	12	19	387	.0	3
4730.0	12: 4	2.47	82	92	.00	.00	12	19	391	.0	3
4735.0	12:10	2.83	82	92	.00	.00	12	19	392	.0	5
4740.0	12:18	3.15	82	92	.00	.00	12	19	397	.0	5
4745.0	12:21	2.73	82	92	.00	.00	12	19	397	.0	4
4750.0	12:24	2.72	82	92	.00	.00	12	19	397	.0	5
4755.0	12:48	3.34	82	91	.00	.00	12	19	406	.0	5
4760.0	12:55	3.13	82	91	.00	.00	12	19	394	.0	3
2900											
4765.0	12:57	2.76	82	91	.00	.00	12	19	396	.0	4
4770.0	13: 0	2.84	82	92	.00	.00	12	19	395	.0	3
4775.0	13: 1	2.66	82	92	.00	.00	12	19	394	.0	4
4780.0	13: 4	2.72	82	92	.00	.00	12	19	393	.0	4
4783.0	13: 7	3.01	82	93	.00	.00	12	19	394	.0	3

DUMP C

DEPTH	-	Well depth in feet
STEP	-	Depth increment in feet
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 override 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	PMPP	PCSG	HSP
	64										
				NEW BIT ID:	2						
720.0	.0	.0	6	150	144	0	111.0	99.0	1901	0	320
750.0	30.0	.0	11	151	140	0	107.5	99.0	1921	0	348
760.0	10.0	.1	21	151	130	0	109.3	99.0	1929	0	356
770.0	10.0	.1	16	151	135	0	108.8	99.0	1932	0	364
780.0	10.0	.1	14	151	137	0	109.3	99.0	1958	0	362
790.0	10.0	.1	19	151	132	0	109.2	99.0	2026	0	370
800.0	10.0	.1	21	151	130	0	108.9	99.0	2025	0	378
810.0	10.0	.1	19	151	132	0	109.6	99.0	2029	0	385
815.0	5.0	.2	17	143	133	0	109.6	99.0	2028	0	364
820.0	5.0	.2	16	151	135	0	81.3	99.0	1669	0	368
	78										
830.0	10.0	.2	19	151	132	0	82.5	99.0	1668	0	377
840.0	10.0	.2	14	151	137	0	89.0	99.0	1734	0	375
850.0	10.0	.2	21	151	130	0	101.5	99.0	1868	0	384
860.0	10.0	.2	22	151	129	0	101.2	99.0	1866	0	390
870.0	10.0	.3	16	151	135	0	99.3	99.0	1837	0	404
880.0	10.0	.3	16	151	135	0	97.5	99.0	1811	0	410
885.0	5.0	.3	18	151	133	0	98.1	99.0	1813	0	413
890.0	5.0	.3	15	151	136	0	98.0	99.0	1811	0	417
895.0	5.0	.3	18	151	133	0	98.0	99.0	1803	0	421
900.0	5.0	.3	12	151	139	0	101.4	99.0	1878	0	417
	90										
905.0	5.0	.3	13	151	138	0	104.3	99.0	1932	0	420
910.0	5.0	.4	13	152	139	0	105.3	101.0	1937	0	421
915.0	5.0	.4	12	152	140	0	105.6	101.0	1941	0	424
920.0	5.0	.4	15	152	137	0	105.6	101.0	1947	0	429
940.0	20.0	.4	16	152	136	0	107.0	101.0	1969	0	436
950.0	10.0	.5	13	152	139	0	107.6	101.0	1970	0	442
955.0	5.0	.5	13	152	139	0	107.3	101.0	1965	0	447
960.0	5.0	.5	12	153	140	0	107.8	101.0	1972	0	451
965.0	5.0	.5	14	153	139	0	108.0	101.0	1973	0	456
970.0	5.0	.5	15	152	138	0	107.9	101.0	1975	0	441
	106										
975.0	5.0	.5	12	152	140	0	106.8	101.0	1975	0	445
980.0	5.0	.6	15	152	137	0	107.9	101.0	1989	0	448
985.0	5.0	.6	16	152	136	0	108.2	101.0	1990	0	454
990.0	5.0	.6	16	152	136	0	108.0	101.0	1996	0	458
995.0	5.0	.6	17	154	136	0	108.4	101.0	1996	0	461
1000.0	5.0	.6	17	155	138	0	105.9	101.0	1978	0	451
1005.0	5.0	.7	15	155	140	0	102.8	101.0	1848	0	455
1010.0	5.0	.7	22	155	133	0	104.3	101.0	1838	0	458
1020.0	10.0	.7	24	155	131	0	105.0	102.5	1846	0	466
1030.0	10.0	.8	22	155	133	0	105.2	103.3	1847	0	465
	122										
1035.0	5.0	.8	25	156	131	0	107.9	103.3	1884	0	470
1040.0	5.0	.8	27	156	129	0	107.9	103.3	1880	0	475
1045.0	5.0	.8	25	155	130	0	108.0	103.3	1892	0	479
1050.0	5.0	.8	26	155	129	0	108.5	103.3	1886	0	483
1055.0	5.0	.8	27	155	128	0	108.8	103.3	1884	0	488
1060.0	5.0	.9	26	155	128	0	107.8	103.3	1941	0	473
1070.0	10.0	.9	27	155	128	0	107.2	103.3	1953	0	482

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	133										
1080.0	10.0	.9	26	155	129	0	107.0	103.3	1964	0	489
1085.0	5.0	1.0	27	155	128	0	107.8	103.3	1977	0	495
1090.0	5.0	1.0	21	156	134	0	107.4	103.3	1977	0	497
1095.0	5.0	1.0	17	156	139	0	105.7	103.3	1862	0	501
1100.0	5.0	1.0	30	156	126	0	106.0	103.3	1868	0	502
1105.0	5.0	1.0	24	155	130	0	106.2	103.3	1870	0	507
1110.0	5.0	1.0	25	155	130	0	106.2	103.3	1874	0	511
1115.0	5.0	1.1	26	155	129	0	106.0	101.5	1870	0	516
1120.0	5.0	1.1	23	155	132	0	106.5	99.8	1875	0	521
1130.0	10.0	1.1	21	155	134	0	107.7	99.8	1906	0	516
	149										
1135.0	5.0	1.2	22	156	134	0	109.7	99.8	1929	0	521
1140.0	5.0	1.2	23	156	133	0	110.0	99.8	1986	0	526
1145.0	5.0	1.2	22	156	134	0	117.8	99.8	2316	0	531
1150.0	5.0	1.2	23	156	133	0	122.2	99.8	2625	0	536
1155.0	5.0	1.2	24	156	131	0	123.8	99.8	2535	0	535
1160.0	5.0	1.3	23	155	132	0	117.0	99.8	2305	0	530
1165.0	5.0	1.3	23	155	132	0	117.0	99.8	2303	0	533
1170.0	5.0	1.3	22	155	133	0	117.0	99.8	2306	0	537
1175.0	5.0	1.3	23	155	132	0	117.1	99.8	2313	0	542
1180.0	5.0	1.4	23	155	132	0	117.2	99.8	2318	0	547
	169										
1190.0	10.0	1.4	25	155	135	0	117.9	104.4	2314	0	545
1195.0	5.0	1.4	25	155	130	0	117.9	109.0	2314	0	551
1200.0	5.0	1.4	19	155	136	0	117.2	109.0	2307	0	557
1205.0	5.0	1.4	24	155	131	0	116.8	109.0	2303	0	560
1210.0	5.0	1.5	24	155	131	0	116.8	109.0	2294	0	564
1215.0	5.0	1.5	24	155	131	0	116.4	109.0	2288	0	570
1220.0	5.0	1.5	24	156	137	0	118.6	109.0	2342	0	558
1225.0	5.0	1.6	25	156	131	0	119.3	109.0	2356	0	562
1230.0	5.0	1.6	25	156	131	0	119.3	109.0	2352	0	563
1235.0	5.0	1.6	23	156	133	0	118.5	111.1	2333	0	567
	193										
1240.0	5.0	1.6	22	157	135	0	118.8	111.1	2331	0	571
1245.0	5.0	1.7	25	157	132	0	118.3	111.1	2328	0	576
1250.0	5.0	1.7	24	157	133	0	116.3	111.1	2275	0	564
1255.0	5.0	1.7	25	157	132	0	115.3	111.1	2258	0	567
1260.0	5.0	1.7	27	157	130	0	115.3	111.1	2255	0	568
1265.0	5.0	1.8	26	157	131	0	116.1	111.1	2281	0	573
1270.0	5.0	1.8	24	157	133	0	119.4	111.1	2331	0	579
1275.0	5.0	1.8	23	157	134	0	119.4	111.1	2339	0	581
1280.0	5.0	1.8	27	157	130	0	119.5	111.1	2360	0	585
1290.0	10.0	1.8	26	157	131	0	119.9	111.1	2365	0	592
	210										
1295.0	5.0	1.9	20	157	137	0	119.4	111.1	2356	0	593
1300.0	5.0	1.9	27	157	130	0	119.3	111.1	2356	0	597
1305.0	5.0	1.9	23	157	134	0	119.5	111.1	2354	0	602
1310.0	5.0	1.9	26	157	131	0	119.3	111.1	2347	0	607
1315.0	5.0	2.0	22	157	141	0	120.6	111.1	2399	0	588
1320.0	5.0	2.0	20	157	148	0	117.7	113.3	2385	0	595
1325.0	5.0	2.1	20	161	146	0	114.4	113.3	2360	0	602
1330.0	5.0	2.2	16	164	148	0	110.7	113.3	2328	0	609
1335.0	5.0	2.2	17	164	147	0	115.9	113.3	2396	0	612
1340.0	5.0	2.3	20	164	144	0	120.0	115.1	2436	0	612
	244										

DEPTH	STEP	CHPS	MOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	244										
1345.0	5.0	2.4	19	166	146	0	122.5	115.5	2474	0	611
1350.0	5.0	2.4	26	168	142	0	119.7	115.5	2428	0	615
1355.0	5.0	2.5	26	168	142	0	120.0	115.5	2423	0	622
1360.0	5.0	2.5	26	168	142	0	120.1	115.5	2415	0	625
1365.0	5.0	2.6	26	168	142	0	120.1	115.5	2415	0	623
1370.0	5.0	2.6	23	168	145	0	120.5	115.5	2417	0	625
1380.0	10.0	2.7	19	161	143	0	121.8	115.9	2427	0	623
1385.0	5.0	2.8	19	160	141	0	122.7	118.1	2428	0	628
1390.0	5.0	2.8	21	160	139	0	123.2	118.1	2433	0	636
1395.0	5.0	2.9	22	160	138	0	123.3	118.1	2432	0	643
	279										
1400.0	5.0	2.9	20	160	140	0	123.0	118.1	2430	0	648
1405.0	5.0	2.9	21	161	140	0	122.7	118.1	2430	0	650
1410.0	5.0	2.9	21	162	142	0	120.8	118.1	2505	0	643
1415.0	5.0	3.0	24	164	140	0	121.3	118.1	2511	0	644
1420.0	5.0	3.0	25	164	139	0	121.1	118.1	2514	0	647
1425.0	5.0	3.0	24	164	140	0	121.2	118.8	2506	0	649
1430.0	5.0	3.1	25	164	139	0	121.3	119.5	2502	0	653
1435.0	5.0	3.1	25	164	139	0	120.9	119.5	2444	0	660
1440.0	5.0	3.2	25	165	140	0	121.3	119.5	2488	0	653
1445.0	5.0	3.2	24	165	141	0	121.2	119.5	2505	0	653
	309										
1450.0	5.0	3.2	25	165	140	0	121.7	119.5	2512	0	654
1455.0	5.0	3.3	25	167	142	0	121.6	119.5	2510	0	657
1460.0	5.0	3.3	26	167	141	0	122.1	119.9	2513	0	661
1465.0	5.0	3.4	27	167	140	0	122.3	120.0	2515	0	664
1470.0	5.0	3.5	27	167	140	0	121.8	120.0	2501	0	662
1475.0	5.0	3.5	27	167	140	0	119.7	120.0	2453	0	665
1480.0	5.0	3.5	28	167	139	0	120.2	120.0	2452	0	668
1485.0	5.0	3.6	27	167	140	0	120.4	120.0	2446	0	673
1490.0	5.0	3.6	28	167	139	0	120.6	120.0	2453	0	677
1495.0	5.0	3.7	28	167	139	0	120.8	120.0	2454	0	681
	346										
1500.0	5.0	3.7	27	167	140	0	120.0	120.0	2465	0	677
1505.0	5.0	3.8	27	167	140	0	118.7	117.7	2465	0	677
1510.0	5.0	3.8	28	167	139	0	123.8	117.7	2451	0	677
1515.0	5.0	3.9	27	167	140	0	124.4	117.7	2450	0	678
1520.0	5.0	4.0	27	167	140	0	124.0	117.7	2453	0	685
1525.0	5.0	4.0	27	167	140	0	123.9	117.7	2454	0	689
1530.0	5.0	4.0	22	167	145	0	124.0	117.7	2455	0	691
1535.0	5.0	4.0	24	165	145	0	117.6	117.7	2404	0	693
1540.0	5.0	4.1	30	167	137	0	116.2	118.0	2389	0	698
1545.0	5.0	4.1	29	167	138	0	116.3	118.0	2392	0	701
	372										
1550.0	5.0	4.1	29	167	138	0	116.2	118.0	2395	0	703
1555.0	5.0	4.1	29	167	138	0	116.3	118.0	2394	0	705
1560.0	5.0	4.2	27	167	140	0	116.2	118.0	2396	0	707
1565.0	5.0	4.2	25	167	142	0	116.9	118.0	2444	0	707
1570.0	5.0	4.2	23	167	144	0	117.5	118.0	2465	0	709
1575.0	5.0	4.2	21	167	146	0	117.7	118.0	2465	0	711
1580.0	5.0	4.3	24	167	143	0	118.0	118.0	2473	0	714
1585.0	5.0	4.3	24	167	143	0	120.4	118.0	2511	0	718
1590.0	5.0	4.3	24	167	143	0	120.6	118.0	2514	0	721
1600.0	10.0	4.4	26	167	141	0	120.7	120.6	2518	0	726
	405										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	405										
1610.0	10.0	4.5	21	163	156	0	120.3	121.0	2513	0	747
1615.0	5.0	4.5	25	167	141	0	121.4	121.0	2501	0	751
1620.0	5.0	4.5	26	167	141	0	119.3	121.0	2474	0	754
1635.0	15.0	4.6	27	167	140	0	119.2	121.0	2480	0	758
1650.0	15.0	4.6	26	167	141	0	120.3	121.5	2486	0	758
1655.0	5.0	4.7	25	167	142	0	122.2	122.0	2480	0	760
1660.0	5.0	4.7	25	167	142	0	122.9	122.0	2480	0	764
1665.0	5.0	4.8	26	167	141	0	122.9	122.0	2478	0	767
1670.0	5.0	4.8	24	167	143	0	122.7	122.0	2478	0	767
1675.0	5.0	4.8	22	166	144	0	119.8	118.0	2431	0	769
	451										
1680.0	5.0	4.9	21	164	142	0	114.5	118.0	2399	0	767
1685.0	5.0	4.9	25	167	141	0	120.0	118.0	2485	0	767
1690.0	5.0	4.9	26	167	141	0	120.2	118.0	2489	0	767
1695.0	5.0	4.9	26	167	141	0	120.4	118.0	2491	0	768
1700.0	5.0	5.0	26	167	141	0	120.4	119.0	2497	0	773
1710.0	10.0	5.0	24	168	143	0	116.3	123.0	2385	0	775
1720.0	10.0	5.1	27	168	141	0	117.8	123.0	2468	0	781
1725.0	5.0	5.1	27	168	141	0	118.7	123.0	2477	0	786
1730.0	5.0	5.2	28	168	140	0	118.6	123.0	2473	0	788
1735.0	5.0	5.2	28	168	140	0	118.8	123.0	2475	0	799
	492										
1740.0	5.0	5.2	25	168	143	0	119.0	123.0	2477	0	819
1745.0	5.0	5.3	26	168	142	0	118.6	123.0	2475	0	828
1750.0	5.0	5.3	24	169	144	0	118.6	123.0	2491	0	799
1755.0	5.0	5.3	26	169	143	0	119.5	122.3	2487	0	801
1760.0	5.0	5.4	27	169	142	0	121.4	121.0	2452	0	805
1765.0	5.0	5.4	27	169	142	0	121.8	121.0	2445	0	809
1770.0	5.0	5.4	26	169	143	0	121.6	121.0	2449	0	811
1775.0	5.0	5.5	26	169	143	0	121.3	121.0	2456	0	818
1780.0	5.0	5.5	25	168	143	0	120.8	121.0	2471	0	820
1785.0	5.0	5.5	27	169	142	0	118.8	121.0	2499	0	810
	528										
1790.0	5.0	5.6	27	169	142	0	119.1	119.1	2501	0	808
1795.0	5.0	5.6	27	169	142	0	119.5	118.6	2511	0	811
1800.0	5.0	5.7	26	169	143	0	119.6	118.6	2512	0	815
1805.0	5.0	5.7	24	169	145	0	118.8	116.8	2501	0	817
1810.0	5.0	5.7	24	169	145	0	116.2	115.6	2462	0	820
1815.0	5.0	5.8	21	169	148	0	116.1	115.6	2456	0	822
1820.0	5.0	5.8	25	169	144	0	115.6	115.6	2460	0	824
1825.0	5.0	5.9	23	169	146	0	116.3	115.6	2469	0	827
1830.0	5.0	5.9	22	169	147	0	116.4	118.0	2470	0	831
1835.0	5.0	6.0	27	169	142	0	116.7	118.8	2445	0	833
	576										
1840.0	5.0	6.0	27	169	142	0	117.2	118.8	2442	0	836
1845.0	5.0	6.1	27	169	142	0	117.1	118.8	2444	0	842
1850.0	5.0	6.1	27	169	142	0	116.8	118.8	2441	0	846
1855.0	5.0	6.1	27	169	142	0	117.1	118.8	2443	0	849
1860.0	5.0	6.2	26	169	143	0	117.3	118.8	2446	0	853
1870.0	10.0	6.2	26	169	143	0	117.5	118.8	2450	0	861
1880.0	10.0	6.3	28	169	141	0	117.3	118.8	2451	0	869
1885.0	5.0	6.3	27	169	142	0	116.9	118.8	2452	0	876
1890.0	5.0	6.4	26	169	143	0	117.3	118.4	2457	0	885
1900.0	10.0	6.4	27	169	142	0	117.2	118.2	2464	0	895
	601										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	601										
1905.0	5.0	6.5	25	171	146	0	116.9	118.2	2493	0	871
1910.0	5.0	6.5	26	171	145	0	117.4	118.2	2498	0	875
1915.0	5.0	12.0	26	171	145	0	116.1	118.2	2487	0	878
1920.0	5.0	6.6	23	171	148	0	117.9	118.2	2477	0	883
1925.0	5.0	6.6	22	171	149	0	117.8	120.6	2471	0	888
1930.0	5.0	6.7	25	169	146	0	118.0	121.2	2473	0	899
1935.0	5.0	6.7	26	171	144	0	120.2	121.2	2501	0	907
1940.0	5.0	6.8	29	172	143	0	118.4	121.2	2464	0	912
1945.0	5.0	6.8	29	172	143	0	118.2	120.9	2455	0	917
1950.0	5.0	6.9	28	172	144	0	117.9	119.7	2445	0	920
	645										
1955.0	5.0	6.9	29	172	143	0	117.4	119.7	2451	0	924
1960.0	5.0	7.0	27	172	145	0	117.1	119.7	2444	0	925
1965.0	5.0	7.0	27	172	145	0	117.9	119.7	2453	0	929
1970.0	5.0	7.0	30	172	142	0	119.4	119.7	2485	0	929
1975.0	5.0	7.1	28	172	144	0	118.8	119.7	2478	0	935
1980.0	5.0	7.1	29	172	143	0	119.0	117.4	2471	0	937
1985.0	5.0	7.1	31	172	141	0	119.0	116.9	2465	0	941
1990.0	5.0	7.2	29	172	143	0	118.8	116.9	2460	0	949
1995.0	5.0	7.2	26	169	143	0	113.4	113.9	2359	0	953
2000.0	5.0	7.3	23	167	143	0	106.5	109.5	2260	0	953
	692										
2005.0	5.0	7.3	24	167	142	0	106.5	109.5	2259	0	958
2010.0	5.0	7.3	30	172	142	0	106.8	109.5	2259	0	961
2015.0	5.0	7.4	30	172	142	0	110.1	113.5	2331	0	965
2020.0	5.0	7.4	28	172	144	0	120.1	119.5	2487	0	972
2025.0	5.0	7.5	31	172	141	0	119.9	119.5	2489	0	984
2030.0	5.0	7.5	27	167	141	0	121.9	119.5	2506	0	968
2035.0	5.0	7.5	27	169	141	0	123.1	119.5	2521	0	964
2040.0	5.0	7.6	32	172	140	0	122.9	120.9	2513	0	965
2045.0	5.0	7.6	32	172	140	0	120.9	121.9	2472	0	969
2050.0	5.0	7.7	33	172	139	0	117.3	121.9	2422	0	971
	742										
2055.0	5.0	7.7	32	172	140	0	119.5	121.9	2444	0	984
2060.0	5.0	7.8	31	172	141	0	128.6	121.9	2522	0	982
2065.0	5.0	7.8	32	172	140	0	128.8	121.9	2515	0	987
2070.0	5.0	7.9	32	172	140	0	128.5	122.2	2514	0	992
2075.0	5.0	7.9	33	172	139	0	128.2	123.6	2516	0	997
2080.0	5.0	7.9	31	172	141	0	128.5	123.6	2513	0	1003
2080.0	.0	7.9	32	172	140	0	125.4	123.6	2515	0	1007
2095.0	15.0	8.0	32	172	140	0	126.7	123.6	2513	0	1020
2100.0	5.0	8.1	31	172	141	0	123.7	123.6	2496	0	1024
2105.0	5.0	8.2	30	172	142	0	122.7	123.6	2489	0	1026
	786										
2110.0	5.0	8.2	31	173	142	0	123.0	123.7	2493	0	1029
2115.0	5.0	8.3	32	173	141	0	123.8	123.9	2491	0	1024
2120.0	5.0	8.4	32	172	140	0	124.2	123.9	2493	0	1030
2125.0	5.0	8.5	31	171	140	0	124.9	123.9	2495	0	1027
2130.0	5.0	8.5	33	173	140	0	125.7	123.9	2497	0	1028
2135.0	5.0	8.6	33	175	141	0	126.3	123.9	2502	0	1027
2140.0	5.0	8.7	35	176	141	0	125.1	124.5	2505	0	1028
2145.0	5.0	8.8	36	176	140	0	125.9	125.5	2501	0	1029
2150.0	5.0	8.8	36	176	140	0	125.8	125.5	2534	0	1031
2155.0	5.0	8.9	35	176	141	0	127.7	125.5	2623	0	1036
	834										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
834											
2160.0	5.0	9.0	34	176	142	0	128.0	125.5	2622	0	1040
2165.0	5.0	9.1	29	176	147	0	125.1	123.6	2396	0	1043
2170.0	5.0	9.2	31	176	145	0	123.8	121.7	2457	0	1047
2175.0	5.0	9.2	31	176	145	0	123.8	121.7	2453	0	1047
2180.0	5.0	9.3	29	176	147	0	123.5	121.7	2448	0	1048
2185.0	5.0	9.4	28	172	145	0	122.1	121.7	2551	0	1041
2190.0	5.0	9.5	30	176	146	0	122.6	121.7	2557	0	1043
2195.0	5.0	9.6	30	176	146	0	122.4	122.8	2558	0	1045
2200.0	5.0	9.7	31	176	145	0	122.5	123.6	2556	0	1049
2205.0	5.0	9.8	31	176	145	0	122.3	123.6	2561	0	1052
882											
2210.0	5.0	9.9	31	176	145	0	122.8	123.6	2564	0	1055
2215.0	5.0	9.9	32	177	144	0	124.6	123.6	2576	0	1056
2220.0	5.0	10.0	38	177	139	0	125.8	120.4	2584	0	1058
2225.0	5.0	10.1	36	177	141	0	124.8	119.3	2560	0	1061
2230.0	5.0	10.1	37	177	140	0	121.1	119.3	2510	0	1064
2235.0	5.0	10.2	37	177	140	0	121.1	119.3	2507	0	1069
2240.0	5.0	10.2	37	177	140	0	120.8	119.3	2505	0	1074
2245.0	5.0	10.3	33	177	144	0	121.1	119.0	2494	0	1077
2250.0	5.0	10.3	38	177	139	0	122.2	117.9	2433	0	1077
2255.0	5.0	10.4	37	177	140	0	122.0	117.9	2475	0	1079
930											
2260.0	5.0	10.4	38	177	139	0	121.3	117.9	2516	0	1082
2265.0	5.0	10.5	37	177	140	0	121.3	117.9	2521	0	1084
2270.0	5.0	10.5	38	177	139	0	121.7	117.9	2525	0	1087
2275.0	5.0	10.5	35	178	143	0	121.2	121.1	2528	0	1090
2280.0	5.0	10.6	41	178	137	0	120.8	121.1	2542	0	1093
2285.0	5.0	10.6	39	178	139	0	121.0	121.1	2546	0	1095
2290.0	5.0	10.6	38	178	140	0	120.9	121.1	2544	0	1098
2295.0	5.0	10.7	40	178	138	0	121.2	121.1	2541	0	1101
2300.0	5.0	10.7	41	178	137	0	123.0	120.0	2569	0	1103
2305.0	5.0	10.8	40	176	138	0	124.1	119.7	2575	0	1114
978											
2310.0	5.0	10.8	36	175	138	0	119.8	119.7	2504	0	1113
2315.0	5.0	10.8	40	178	138	0	119.9	119.7	2502	0	1116
2320.0	5.0	10.9	40	178	138	0	119.9	119.7	2503	0	1117
2325.0	5.0	10.9	42	178	136	0	120.3	116.4	2509	0	1120
2330.0	5.0	10.9	41	178	137	0	120.6	115.6	2513	0	1121
2335.0	5.0	11.0	42	178	136	0	120.5	115.6	2515	0	1135
2340.0	5.0	11.0	34	171	137	0	118.2	115.6	2572	0	1128
2345.0	5.0	11.0	40	178	137	0	118.7	115.6	2574	0	1129
2350.0	5.0	11.1	39	178	139	0	119.0	115.6	2577	0	1132
2355.0	5.0	11.1	41	178	137	0	118.4	114.6	2575	0	1135
1023											
2360.0	5.0	11.2	41	178	137	0	118.7	113.9	2573	0	1139
2365.0	5.0	11.2	42	178	136	0	118.8	113.9	2577	0	1140
2370.0	5.0	11.3	39	177	150	0	117.5	113.9	2631	0	1139
2375.0	5.0	11.3	39	177	138	0	117.8	113.9	2645	0	1143
2380.0	5.0	11.3	41	177	136	0	117.3	113.9	2638	0	1144
2385.0	5.0	11.4	41	177	136	0	117.6	116.7	2635	0	1146
2390.0	5.0	11.4	40	177	137	0	117.7	116.7	2637	0	1149
2395.0	5.0	11.4	41	177	136	0	117.9	116.7	2643	0	1151
2400.0	5.0	11.5	40	177	147	0	118.1	116.7	2662	0	1154
2405.0	5.0	11.5	39	177	138	0	119.1	116.7	2724	0	1141
1068											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1068											
2410.0	5.0	11.6	39	177	138	0	118.0	118.0	2718	0	1145
2415.0	5.0	11.6	38	177	139	0	118.3	118.8	2721	0	1150
2420.0	5.0	11.7	38	177	139	0	118.4	118.8	2722	0	1155
2425.0	5.0	11.7	40	177	137	0	118.6	118.8	2721	0	1160
2430.0	5.0	11.8	38	177	139	0	118.7	116.8	2721	0	1165
2435.0	5.0	11.8	39	177	138	0	117.6	115.5	2657	0	1164
2440.0	5.0	11.9	36	177	141	0	112.8	115.5	2524	0	1159
2445.0	5.0	11.9	40	178	138	0	112.8	115.5	2524	0	1161
2450.0	5.0	12.0	42	178	136	0	113.1	115.5	2527	0	1166
2455.0	5.0	12.0	40	178	138	0	113.0	115.5	2529	0	1171
1118											
2460.0	5.0	12.1	41	178	137	0	113.8	116.5	2532	0	1176
2465.0	5.0	12.1	40	178	142	0	116.7	116.8	2606	0	1180
2470.0	5.0	12.2	41	178	137	0	119.3	116.8	2660	0	1183
2475.0	5.0	12.2	42	178	136	0	119.0	116.8	2660	0	1186
2480.0	5.0	12.3	41	178	137	0	116.1	116.8	2603	0	1189
2485.0	5.0	12.3	41	178	137	0	114.6	118.6	2579	0	1192
2490.0	5.0	12.4	42	178	136	0	114.4	119.8	2578	0	1195
2495.0	5.0	12.4	38	178	140	0	114.6	119.8	2549	0	1197
2500.0	5.0	12.4	42	178	136	0	114.9	119.8	2478	0	1199
2505.0	5.0	12.5	42	178	136	0	114.8	119.8	2472	0	1202
1167											
2510.0	5.0	12.5	41	178	137	0	114.7	119.5	2471	0	1204
2515.0	5.0	12.6	43	178	135	0	115.0	119.1	2516	0	1206
2520.0	5.0	12.6	44	178	134	0	114.8	119.1	2575	0	1212
2530.0	10.0	12.7	42	177	135	0	115.2	119.1	2602	0	1218
2535.0	5.0	12.8	40	178	138	0	116.9	119.1	2645	0	1219
2540.0	5.0	12.8	44	178	134	0	116.8	117.7	2650	0	1220
2545.0	5.0	12.8	43	178	135	0	117.1	115.6	2655	0	1224
2550.0	5.0	12.9	44	178	134	0	117.3	115.6	2659	0	1225
2555.0	5.0	12.9	45	178	133	0	117.1	115.6	2660	0	1228
2560.0	5.0	13.0	44	177	134	0	115.8	115.6	2656	0	1229
1220											
2565.0	5.0	13.0	43	177	134	0	114.9	118.9	2660	0	1232
2570.0	5.0	13.1	45	177	132	0	114.7	119.7	2663	0	1233
2575.0	5.0	13.1	45	177	132	0	115.4	119.7	2665	0	1234
2580.0	5.0	13.2	44	177	133	0	115.5	119.7	2669	0	1235
2585.0	5.0	13.2	45	177	132	0	115.7	115.4	2623	0	1237
2590.0	5.0	13.3	43	177	134	0	115.6	113.2	2588	0	1239
2595.0	5.0	13.3	44	177	133	0	114.5	114.3	2598	0	1241
2600.0	5.0	13.4	45	177	132	0	115.0	114.3	2599	0	1244
2605.0	5.0	13.4	45	177	132	0	114.8	113.8	2599	0	1247
2610.0	5.0	13.5	44	177	133	0	114.7	113.8	2600	0	1249
1269											
2615.0	5.0	13.5	41	177	136	0	114.7	113.7	2603	0	1252
2620.0	5.0	13.6	45	177	134	0	115.7	115.8	2652	0	1255
2625.0	5.0	13.6	42	177	135	0	116.0	118.3	2707	0	1256
2630.0	5.0	13.7	43	177	134	0	115.8	114.2	2640	0	1259
2635.0	5.0	13.7	42	177	135	0	115.9	114.5	2648	0	1261
2640.0	5.0	13.7	41	177	136	0	115.8	114.3	2659	0	1265
2645.0	5.0	13.8	43	177	134	0	115.7	113.9	2655	0	1268
2650.0	5.0	13.8	40	177	140	0	115.5	114.2	2647	0	1270
2655.0	5.0	13.8	32	177	154	0	115.8	114.8	2658	0	1274
2660.0	5.0	13.8	35	177	142	0	115.8	114.5	2652	0	1280
1309											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1309										
2665.0	5.0	13.9	42	177	135	0	117.7	115.4	2668	0	1285
2670.0	5.0	13.9	41	177	136	0	116.3	114.2	2652	0	1289
2680.0	10.0	13.9	44	177	133	0	115.9	114.0	2661	0	1298
2690.0	10.0	13.9	41	177	138	0	117.1	115.2	2697	0	1292
2700.0	10.0	13.9	41	177	136	0	117.1	116.1	2711	0	1304
2710.0	10.0	13.9	44	177	133	0	117.0	116.0	2714	0	1313
2720.0	10.0	14.0	28	177	147	0	115.0	109.1	2658	0	1307
2730.0	10.0	14.0	34	177	143	0	115.0	108.0	2646	0	1316
2740.0	10.0	14.0	46	177	131	0	114.9	107.6	2652	0	1326
2750.0	10.0	14.0	41	177	136	0	111.8	109.3	2580	0	1334
	1320										
2760.0	10.0	14.0	45	177	132	0	108.0	107.8	2542	0	1340
2765.0	5.0	14.0	46	177	131	0	107.9	107.6	2534	0	1338
2770.0	5.0	14.1	45	177	132	0	108.0	107.1	2530	0	1342
2775.0	5.0	14.1	41	177	157	0	110.8	110.3	2640	0	1342
2780.0	5.0	14.1	39	177	138	0	113.4	112.7	2627	0	1347
2790.0	10.0	14.1	43	177	134	0	111.1	110.2	2621	0	1356
2800.0	10.0	14.1	45	177	146	0	110.7	108.9	2617	0	1357
2805.0	5.0	14.2	45	177	132	0	110.3	108.1	2622	0	1359
2810.0	5.0	14.2	38	177	139	0	112.6	110.6	2706	0	1356
2820.0	10.0	14.2	44	177	133	0	114.6	112.0	2782	0	1358
	1340										
2830.0	10.0	14.2	34	177	158	0	116.6	113.7	2797	0	1365
2840.0	10.0	14.2	45	177	132	0	117.5	114.7	2800	0	1378
2850.0	10.0	14.2	33	177	144	0	111.8	114.1	2664	0	1381
2860.0	10.0	14.2	45	177	132	0	110.3	114.0	2649	0	1389
2870.0	10.0	14.2	40	177	137	0	110.2	113.1	2650	0	1396
2880.0	10.0	14.3	33	178	163	0	110.6	111.8	2724	0	1393
2890.0	10.0	14.3	44	178	134	0	113.3	114.5	2731	0	1405
2895.0	5.0	14.3	48	178	130	0	110.8	111.6	2739	0	1410
2900.0	5.0	14.3	45	177	132	0	111.7	113.2	2750	0	1414
2910.0	10.0	14.3	37	177	161	0	109.0	112.5	2717	0	1407
	1353										
2920.0	10.0	14.3	33	177	144	0	111.0	113.2	2721	0	1417
2925.0	5.0	14.3	46	177	131	0	109.8	111.8	2722	0	1419
2930.0	5.0	14.4	46	177	131	0	110.4	112.3	2728	0	1425
2935.0	5.0	14.4	45	177	133	0	111.4	113.7	2760	0	1423
2940.0	5.0	14.4	47	177	130	0	113.4	116.2	2844	0	1423
2950.0	10.0	14.4	21	177	156	0	116.5	116.6	2789	0	1431
2960.0	10.0	.0	5	146	140	0	128.1	125.2	2345	0	1324
2965.0	5.0	.0	4	146	142	0	126.3	125.7	2356	0	1326
2970.0	5.0	.1	5	144	142	0	123.8	125.0	2321	0	1328
2975.0	5.0	.1	5	145	140	0	121.9	125.1	2292	0	1331
	1374										
2980.0	5.0	.2	7	145	138	0	123.4	124.7	2293	0	1333
2985.0	5.0	.2	5	145	140	0	122.2	125.0	2293	0	1335
2990.0	5.0	.3	5	145	140	0	121.6	125.3	2298	0	1337
2995.0	5.0	.3	5	138	138	0	105.3	109.7	2078	0	1339
3000.0	5.0	.4	4	144	140	0	126.4	132.1	2449	0	1342
3005.0	5.0	.4	4	144	140	0	128.0	131.9	2451	0	1344
3010.0	5.0	.5	4	144	140	0	127.6	132.2	2450	0	1346
3015.0	5.0	.6	3	144	141	0	128.2	131.7	2448	0	1349
3020.0	5.0	.7	3	144	141	0	128.5	132.1	2443	0	1351
3025.0	5.0	.7	4	144	142	0	127.4	131.4	2444	0	1354
	1392										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1392											
3030.0	5.0	.8	4	145	143	0	125.3	131.4	2433	0	1359
3035.0	5.0	1.1	4	145	140	0	123.7	123.6	2262	0	1361
3040.0	5.0	1.2	3	145	142	0	124.2	121.2	2248	0	1360
3045.0	5.0	1.3	3	145	142	0	124.8	120.9	2267	0	1366
3050.0	5.0	1.4	4	145	141	0	124.6	121.1	2271	0	1370
3055.0	5.0	1.8	5	145	140	0	124.8	121.0	2269	0	1371
3060.0	5.0	2.1	5	145	140	0	124.4	120.4	2268	0	1369
3065.0	5.0	2.5	5	144	139	0	121.8	121.8	2251	0	1371
3070.0	5.0	2.6	3	144	141	0	119.4	124.2	2237	0	1376
3075.0	5.0	2.8	3	144	141	0	119.1	124.5	2242	0	1381
1433											
3080.0	5.0	3.0	4	144	140	0	119.7	124.4	2246	0	1386
3085.0	5.0	3.3	4	145	141	0	119.7	124.2	2238	0	1385
3090.0	5.0	3.8	4	145	141	0	119.7	124.3	2239	0	1382
3095.0	5.0	4.0	4	145	141	0	119.0	123.1	2236	0	1386
3100.0	5.0	4.4	4	145	141	0	120.2	120.2	2237	0	1386
3105.0	5.0	4.7	5	145	140	0	122.1	121.0	2243	0	1389
3110.0	5.0	5.2	5	145	140	0	124.6	121.4	2266	0	1391
3115.0	5.0	5.5	5	145	140	0	124.4	122.0	2270	0	1393
3120.0	5.0	5.7	5	145	140	0	124.8	121.7	2268	0	1397
3125.0	5.0	6.1	5	145	140	0	125.5	121.9	2269	0	1400
1483											
3130.0	5.0	6.4	5	145	140	0	125.7	123.8	2295	0	1402
3135.0	5.0	6.8	5	146	141	0	125.7	125.5	2330	0	1404
3140.0	5.0	7.0	6	146	140	0	125.2	125.6	2328	0	1406
3145.0	5.0	7.3	5	146	141	0	125.4	125.0	2313	0	1409
3150.0	5.0	7.6	5	146	141	0	125.5	125.2	2310	0	1411
3155.0	5.0	8.0	6	146	140	0	125.7	125.1	2317	0	1413
3160.0	5.0	8.2	7	147	139	0	124.0	123.5	2264	0	1415
3165.0	5.0	8.4	7	148	140	0	120.1	118.3	2168	0	1418
3170.0	5.0	8.6	8	148	139	0	120.4	118.2	2175	0	1420
3175.0	5.0	8.8	8	148	139	0	120.8	118.7	2184	0	1422
1533											
3180.0	5.0	9.0	8	148	139	0	122.8	119.7	2192	0	1425
3185.0	5.0	9.2	8	148	140	0	120.3	117.1	2103	0	1430
3190.0	5.0	9.4	8	148	140	0	116.1	113.0	1976	0	1435
3195.0	5.0	9.6	11	148	138	0	115.0	112.2	1965	0	1435
3200.0	5.0	9.7	9	148	139	0	121.3	112.3	2057	0	1437
3201.0	1.0	9.8	7	148	141	0	122.0	112.7	2064	0	1438
NEW BIT ID: 4											
3205.0	.0	.0	22	175	153	0	66.1	80.8	2599	0	1847
3210.0	5.0	.1	21	175	153	0	69.1	80.5	2671	0	1853
3215.0	5.0	.1	20	175	155	0	69.5	80.0	2690	0	1857
3220.0	5.0	.2	20	176	156	0	77.6	74.5	2678	0	1856
1576											
3225.0	5.0	.3	19	176	157	0	74.2	65.6	2279	0	1862
3230.0	5.0	.4	19	176	157	0	70.9	63.3	2184	0	1866
3235.0	5.0	.4	23	180	157	0	70.6	62.8	2190	0	1871
3240.0	5.0	.5	22	177	155	0	70.8	62.0	2179	0	1876
3245.0	5.0	.6	21	177	156	0	70.9	61.8	2178	0	1882
3250.0	5.0	.6	20	177	157	0	70.7	61.7	2176	0	1887
3255.0	5.0	.7	22	177	155	0	69.4	60.9	1994	0	1892

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1605										
3260.0	5.0	.8	21	176	155	0	71.1	71.5	2456	0	1889
3265.0	5.0	.8	23	175	152	0	73.4	74.8	2567	0	1890
3270.0	5.0	.9	23	175	152	0	72.6	68.3	2395	0	1893
3275.0	5.0	.9	24	175	151	0	74.9	72.4	2631	0	1895
3280.0	5.0	.9	24	175	151	0	75.0	74.6	2686	0	1901
3285.0	5.0	1.0	24	175	151	0	75.1	74.0	2676	0	1906
3290.0	5.0	1.0	23	175	152	0	77.5	73.6	2730	0	1910
3295.0	5.0	1.1	25	174	149	0	80.2	74.0	2802	0	1912
3300.0	5.0	1.1	26	174	148	0	80.1	73.4	2791	0	1915
3305.0	5.0	1.1	28	174	146	0	80.0	73.4	2775	0	1919
	1653										
3310.0	5.0	1.2	17	174	157	0	79.2	72.8	2764	0	1923
3315.0	5.0	1.3	12	174	163	0	75.3	69.0	2512	0	1922
3320.0	5.0	1.4	10	176	165	0	72.3	62.9	2260	0	1922
3325.0	5.0	1.6	12	178	165	0	70.1	65.6	2322	0	1922
3330.0	5.0	1.7	13	178	165	0	69.4	68.1	2375	0	1924
3335.0	5.0	1.9	14	178	164	0	69.5	68.8	2386	0	1927
3340.0	5.0	2.0	14	178	163	0	69.8	68.9	2384	0	1935
3345.0	5.0	2.1	15	178	163	0	69.3	68.4	2362	0	1945
3350.0	5.0	2.2	18	178	160	0	69.1	68.4	2383	0	1953
3355.0	5.0	2.3	16	177	161	0	66.3	67.5	2310	0	1960
	1702										
3360.0	5.0	2.4	16	177	161	0	72.1	66.8	2424	0	1963
3365.0	5.0	2.5	15	177	161	0	72.6	66.7	2445	0	1968
3370.0	5.0	2.6	16	177	161	0	73.5	66.7	2446	0	1973
3375.0	5.0	2.7	17	177	160	0	73.3	66.8	2429	0	1977
3380.0	5.0	2.7	15	177	162	0	73.0	67.1	2389	0	1981
3385.0	5.0	2.8	16	178	162	0	71.5	66.3	2391	0	1980
3390.0	5.0	3.0	17	178	161	0	74.6	67.6	2435	0	1980
3395.0	5.0	3.1	17	178	161	0	75.4	67.1	2443	0	1980
3400.0	5.0	3.2	18	178	160	0	74.6	67.4	2425	0	1983
3405.0	5.0	3.3	19	178	159	0	74.5	67.4	2420	0	1984
	1751										
3410.0	5.0	3.5	19	178	159	0	74.5	67.8	2436	0	1987
3415.0	5.0	3.7	17	176	159	0	74.2	64.8	2355	0	1991
3420.0	5.0	3.8	15	176	161	0	74.7	64.9	2350	0	1997
3425.0	5.0	3.9	17	177	160	0	73.5	68.6	2441	0	1999
3430.0	5.0	4.0	21	180	159	0	71.6	70.6	2452	0	1998
3435.0	5.0	4.1	20	180	160	0	71.5	70.4	2449	0	2003
3440.0	5.0	4.2	22	180	158	0	71.6	70.2	2437	0	2008
3445.0	5.0	4.3	21	180	159	0	71.6	70.2	2440	0	2013
3450.0	5.0	4.4	16	181	165	0	75.1	68.4	2489	0	2008
3455.0	5.0	4.6	15	181	166	0	75.2	68.6	2504	0	2010
	1794										
3460.0	5.0	4.7	12	181	169	0	71.2	65.3	2512	0	2015
3465.0	5.0	4.9	9	181	172	0	71.2	65.2	2508	0	2023
3470.0	5.0	5.0	8	181	173	0	71.3	64.8	2486	0	2030
3475.0	5.0	5.1	7	181	174	0	71.2	64.4	2475	0	2032
3480.0	5.0	5.2	7	181	174	0	75.5	66.1	2623	0	2031
3485.0	5.0	5.3	6	181	175	0	67.0	66.0	2426	0	2032
3490.0	5.0	5.4	6	181	175	0	69.7	64.1	2439	0	2034
3495.0	5.0	5.6	8	181	173	0	69.3	65.9	2466	0	2036
3500.0	5.0	5.9	12	181	169	0	70.1	65.8	2474	0	2037
3505.0	5.0	6.4	14	180	167	0	70.7	65.9	2473	0	2040
	1842										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1842											
3510.0	5.0	6.5	10	180	170	0	70.1	70.3	2589	0	2043
3515.0	5.0	6.6	5	180	175	0	69.9	72.1	2660	0	2048
3520.0	5.0	6.6	7	180	173	0	70.9	68.4	2550	0	2054
3525.0	5.0	6.6	3	180	177	0	73.7	58.3	2328	0	2057
3530.0	5.0	6.7	5	180	175	0	72.5	58.6	2314	0	2064
3535.0	5.0	6.7	2	182	179	0	73.5	68.1	2644	0	2067
3540.0	5.0	6.8	2	182	180	0	73.6	70.1	2670	0	2071
3545.0	5.0	6.9	2	182	180	0	74.4	69.6	2669	0	2075
3550.0	5.0	6.9	1	182	181	0	74.0	68.7	2671	0	2073
3555.0	5.0	7.0	10	181	171	0	72.5	64.7	2484	0	2076
1866											
3560.0	5.0	7.3	11	180	169	0	71.4	62.5	2405	0	2081
3565.0	5.0	8.0	10	179	169	0	70.9	64.2	2376	0	2082
3570.0	5.0	8.4	10	179	169	0	72.7	60.1	2312	0	2084
3573.0	3.0	8.7	12	181	169	0	68.4	56.5	1991	0	2084
NEW BIT ID: 5											
3575.0	.0	.3	16	190	174	0	66.8	72.6	2459	0	2080
3580.0	5.0	.8	18	190	173	0	68.0	73.3	2469	0	2082
3585.0	5.0	1.2	28	192	164	0	77.6	76.8	2769	0	2085
3590.0	5.0	1.4	29	192	162	0	77.9	76.1	2750	0	2093
3595.0	5.0	1.4	26	192	166	0	77.8	76.1	2762	0	2099
3600.0	5.0	1.4	20	189	169	0	76.6	80.1	2882	0	2104
1906											
3605.0	5.0	1.4	25	189	164	0	74.8	83.7	2908	0	2108
3610.0	5.0	1.5	17	189	172	0	74.0	84.7	2927	0	2113
3615.0	5.0	1.8	18	189	171	0	76.1	76.2	2681	0	2115
3620.0	5.0	2.3	33	189	156	0	81.5	76.1	2402	0	2115
3625.0	5.0	2.7	32	189	157	0	32.6	114.2	1758	0	2118
3630.0	5.0	3.0	37	192	154	0	.0	114.1	1606	0	2121
3635.0	5.0	3.3	46	196	150	0	20.2	90.7	1384	0	2124
3640.0	5.0	3.4	45	196	151	0	33.1	91.3	1741	0	2127
3645.0	5.0	3.5	45	196	151	0	60.3	77.3	1729	0	2132
3650.0	5.0	3.6	47	196	149	0	57.1	74.1	1644	0	2137
1952											
3655.0	5.0	3.8	47	196	149	0	57.1	72.5	1616	0	2142
3660.0	5.0	3.9	47	196	149	0	56.9	72.3	1606	0	2147
3665.0	5.0	4.1	46	196	150	0	69.9	79.6	1537	0	2149
3670.0	5.0	4.3	47	198	151	0	50.7	113.2	1653	0	2152
3675.0	5.0	4.5	47	198	151	0	26.2	112.8	1640	0	2155
3680.0	5.0	4.7	46	198	152	0	.0	113.1	1623	0	2158
3685.0	5.0	4.8	46	198	152	0	.0	113.2	1605	0	2161
3690.0	5.0	5.0	45	198	153	0	51.4	81.2	2308	0	2164
3695.0	5.0	5.1	45	199	153	0	73.6	72.7	2671	0	2168
3700.0	5.0	5.2	46	199	153	0	73.8	73.0	2695	0	2173
2002											
3705.0	5.0	5.3	45	199	154	0	74.3	72.6	2700	0	2179
3710.0	5.0	5.4	44	199	155	0	74.2	72.8	2700	0	2184
3715.0	5.0	5.5	43	199	156	0	74.1	72.4	2690	0	2189
3720.0	5.0	5.5	40	197	158	0	74.1	72.6	2685	0	2194
3725.0	5.0	5.6	31	193	162	0	71.0	74.1	2650	0	2196
3730.0	5.0	5.7	31	193	163	0	70.8	75.6	2678	0	2200
3735.0	5.0	5.7	30	193	163	0	71.2	74.5	2678	0	2204

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2031											
3740.0	5.0	5.8	31	193	162	0	71.4	74.5	2682	0	2207
3745.0	5.0	5.9	31	193	162	0	71.0	74.7	2682	0	2213
3750.0	5.0	5.9	29	193	164	0	71.3	74.4	2679	0	2216
3755.0	5.0	5.9	24	193	170	0	71.4	74.6	2684	0	2220
3760.0	5.0	6.0	22	193	171	0	68.9	75.9	2662	0	2223
3765.0	5.0	6.0	16	193	177	0	69.6	77.2	2717	0	2225
3770.0	5.0	6.0	13	193	180	0	17.2	77.2	2714	0	2231
3775.0	5.0	6.1	13	193	179	0	65.6	77.5	2713	0	2232
3780.0	5.0	6.2	18	193	175	0	69.2	76.9	2709	0	2232
3785.0	5.0	6.3	17	192	176	0	68.8	77.1	2706	0	2232
2069											
3790.0	5.0	6.4	14	191	176	0	72.4	77.0	2801	0	2235
3795.0	5.0	6.4	12	191	179	0	70.6	72.3	2616	0	2237
3800.0	5.0	6.6	12	192	179	0	70.8	72.0	2618	0	2240
3805.0	5.0	6.7	20	199	179	0	71.1	71.7	2628	0	2243
3810.0	5.0	6.8	20	199	179	0	70.8	71.8	2622	0	2247
3815.0	5.0	6.9	19	199	180	0	70.4	71.5	2608	0	2251
3820.0	5.0	6.9	19	198	179	0	73.2	71.1	2692	0	2251
3825.0	5.0	7.0	20	199	179	0	73.6	72.1	2714	0	2255
3830.0	5.0	7.1	18	199	181	0	73.6	71.0	2707	0	2259
3835.0	5.0	7.2	16	199	183	0	73.8	71.4	2687	0	2261
2118											
3840.0	5.0	4.7	29	199	170	0	69.0	68.0	2383	0	2257
3845.0	5.0	8.1	33	199	166	0	65.8	64.6	2273	0	2260
3850.0	5.0	8.2	37	200	163	0	68.8	62.9	2316	0	2264
3855.0	5.0	8.4	38	200	162	0	67.7	67.3	2409	0	2266
3860.0	5.0	8.7	40	200	160	0	68.5	65.6	2378	0	2269
3865.0	5.0	8.9	39	200	161	0	68.8	66.2	2395	0	2272
3870.0	5.0	9.1	39	200	161	0	68.4	65.5	2358	0	2275
3875.0	5.0	9.3	40	200	160	0	66.1	67.7	2348	0	2278
3880.0	5.0	9.5	39	198	161	0	58.3	64.2	2031	0	2281
3885.0	5.0	9.6	31	190	159	0	59.8	64.1	2068	0	2285
2164											
3890.0	5.0	9.8	37	197	159	0	59.7	64.7	2055	0	2292
3895.0	5.0	10.0	39	198	159	0	61.9	62.9	2037	0	2295
3900.0	5.0	10.3	39	198	159	0	61.1	61.6	1996	0	2292
3905.0	5.0	10.5	39	198	159	0	60.6	61.7	1991	0	2293
3910.0	5.0	10.7	38	198	160	0	61.2	61.6	2001	0	2296
3915.0	5.0	11.0	40	198	158	0	62.4	63.4	2141	0	2299
3920.0	5.0	11.4	46	198	152	0	60.2	61.7	1971	0	2302
3925.0	5.0	11.6	45	198	153	0	59.5	63.3	2014	0	2305
3930.0	5.0	11.8	44	198	154	0	59.3	63.7	2010	0	2308
3935.0	5.0	11.9	44	198	154	0	59.4	63.4	2010	0	2311
2214											
3940.0	5.0	12.1	44	198	154	0	59.2	62.9	2002	0	2313
3945.0	5.0	12.3	44	197	153	0	59.7	63.2	2029	0	2317
3950.0	5.0	12.4	45	198	153	0	60.0	63.4	2040	0	2322
3955.0	5.0	12.5	44	198	154	0	59.5	63.9	2060	0	2328
3960.0	5.0	12.6	44	198	154	0	59.6	64.6	2086	0	2333
3965.0	5.0	12.8	44	198	154	0	60.8	62.1	2023	0	2338
3970.0	5.0	13.0	44	198	154	0	61.4	61.0	2004	0	2341
3975.0	5.0	13.2	45	198	153	0	61.3	60.9	2010	0	2343
3980.0	5.0	13.3	45	198	153	0	58.7	66.5	2067	0	2347
3985.0	5.0	13.4	45	198	153	0	62.5	64.0	2103	0	2349
2261											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2261											
3990.0	5.0	13.6	45	198	153	0	62.2	63.9	2101	0	2351
3995.0	5.0	13.7	46	198	152	0	60.3	64.6	2120	0	2352
4000.0	5.0	13.8	44	198	154	0	61.0	63.0	2113	0	2355
4005.0	5.0	13.9	45	198	153	0	61.0	63.6	2106	0	2360
4010.0	5.0	14.2	45	199	154	0	40.1	86.1	1918	0	2361
4015.0	5.0	14.6	47	199	152	0	59.8	66.6	2150	0	2362
4020.0	5.0	14.8	48	199	151	0	61.1	63.3	2095	0	2365
4025.0	5.0	15.0	48	199	151	0	62.6	60.7	2057	0	2367
4030.0	5.0	15.3	48	199	151	0	62.5	61.0	2061	0	2370
4035.0	5.0	15.5	48	199	151	0	63.0	60.7	2064	0	2373
2307											
4040.0	5.0	15.6	47	199	152	0	63.0	61.1	2097	0	2376
4045.0	5.0	15.8	47	199	152	0	62.9	66.4	2251	0	2379
4050.0	5.0	15.9	48	199	151	0	62.8	66.5	2251	0	2382
4055.0	5.0	16.1	48	199	151	0	63.0	66.1	2241	0	2385
4060.0	5.0	16.2	48	199	151	0	63.0	66.1	2251	0	2388
4065.0	5.0	16.5	48	199	151	0	62.7	65.7	2233	0	2391
4070.0	5.0	16.6	22	199	177	0	62.9	65.1	2234	0	2394
4075.0	5.0	16.7	44	199	155	0	64.3	61.5	2196	0	2399
4080.0	5.0	16.7	38	199	161	0	64.6	61.9	2191	0	2404
4085.0	5.0	16.7	36	199	163	0	64.2	61.9	2196	0	2409
2344											
4090.0	5.0	16.7	33	199	166	0	65.0	62.3	2206	0	2413
4095.0	5.0	16.7	32	199	167	0	65.4	61.3	2217	0	2418
4100.0	5.0	16.8	17	200	182	0	67.6	62.5	2360	0	2421
4105.0	5.0	16.9	29	200	171	0	60.9	69.7	1085	0	2418
4110.0	5.0	17.0	29	200	171	0	.0	82.7	1160	0	2418
4115.0	5.0	17.1	29	200	171	0	26.4	71.5	1599	0	2424
4120.0	5.0	17.7	35	201	165	0	55.5	55.4	1756	0	2422
4125.0	5.0	18.5	44	202	158	0	61.1	62.5	2169	0	2423
4130.0	5.0	18.8	43	201	158	0	64.2	63.6	2298	0	2426
4135.0	5.0	18.9	42	200	158	0	66.6	60.5	2352	0	2433
2374											
4140.0	5.0	19.0	42	200	158	0	65.3	65.6	2417	0	2435
4145.0	5.0	19.1	43	200	158	0	65.0	66.3	2387	0	2439
4150.0	5.0	19.3	42	200	158	0	65.0	66.0	2394	0	2443
4155.0	5.0	19.6	42	200	158	0	65.1	65.9	2403	0	2445
4160.0	5.0	19.8	38	200	162	0	65.2	65.0	2368	0	2447
4165.0	5.0	20.2	38	199	162	0	64.9	65.3	2359	0	2449
4170.0	5.0	20.5	39	199	161	0	65.3	66.1	2400	0	2452
4175.0	5.0	20.8	41	202	161	0	65.4	66.5	2401	0	2455
4180.0	5.0	21.3	43	202	159	0	65.3	66.5	2415	0	2458
4185.0	5.0	21.5	40	202	162	0	65.4	65.9	2411	0	2461
2423											
4190.0	5.0	21.6	41	202	161	0	65.5	66.0	2415	0	2464
4195.0	5.0	21.7	41	202	161	0	65.7	66.2	2427	0	2467
4200.0	5.0	21.8	34	197	164	0	66.3	68.6	2540	0	2470
4205.0	5.0	21.9	31	197	166	0	67.2	67.7	2520	0	2473
4210.0	5.0	22.0	32	197	165	0	68.2	61.7	2378	0	2478
4215.0	5.0	22.2	35	199	164	0	67.8	64.1	2440	0	2481
4220.0	5.0	22.5	38	202	164	0	67.9	64.3	2446	0	2482
4225.0	5.0	22.7	40	202	162	0	68.5	63.9	2450	0	2483
4230.0	5.0	23.1	40	201	161	0	69.3	63.4	2476	0	2486
4232.0	2.0	23.3	40	202	162	0	70.0	61.3	2467	0	2488

NEW BIT ID: 6

2474

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2474											
4235.0	.0	.1	20	188	171	0	66.8	65.8	1645	0	2485
4240.0	5.0	.3	25	195	164	0	65.6	66.3	1776	0	2488
4245.0	5.0	.1	8	179	171	0	.0	76.9	1420	0	2471
4250.0	5.0	.3	11	179	168	0	.0	114.0	1941	0	2475
4255.0	5.0	.6	18	179	161	0	.0	112.9	1959	0	2480
4260.0	5.0	.7	21	179	158	0	.0	112.7	1978	0	2484
4265.0	5.0	.8	20	179	159	0	.0	113.5	1949	0	2488
4270.0	5.0	.9	19	179	160	0	.0	113.0	1969	0	2491
4275.0	5.0	1.0	18	177	159	0	.0	109.9	1985	0	2496
4280.0	5.0	1.2	30	182	152	0	.0	98.3	2512	0	2499
2506											
4285.0	5.0	1.3	32	183	151	0	.0	94.0	2860	0	2499
4290.0	5.0	1.4	33	183	150	0	.0	93.6	2860	0	2493
4295.0	5.0	1.5	33	183	150	0	.0	92.8	2860	0	2488
4300.0	5.0	1.5	33	184	151	0	.0	88.2	2876	0	2444
4305.0	5.0	1.6	35	184	149	0	.0	92.2	2879	0	2419
4310.0	5.0	1.7	36	184	148	0	.0	91.5	2843	0	2420
4315.0	5.0	1.8	36	184	148	0	.0	91.2	2832	0	2424
4320.0	5.0	1.8	35	184	149	0	.0	91.2	2834	0	2430
4325.0	5.0	1.8	36	184	148	0	.0	92.3	2841	0	2434
4330.0	5.0	1.8	34	184	150	0	.0	90.5	2807	0	2433
2542											
4335.0	5.0	1.9	36	184	148	0	.0	93.6	2955	0	2436
4340.0	5.0	1.9	36	184	148	0	.0	93.3	2971	0	2441
4345.0	5.0	1.9	36	184	148	0	.0	94.1	2977	0	2445
4350.0	5.0	1.9	33	184	151	0	.0	93.4	2976	0	2449
4355.0	5.0	1.9	35	184	149	0	.0	92.3	2918	0	2457
4360.0	5.0	2.0	25	184	159	0	.0	91.5	2837	0	2452
4365.0	5.0	2.0	14	184	170	0	.0	90.8	2818	0	2454
4370.0	5.0	2.1	18	184	166	0	.0	90.4	2806	0	2453
4375.0	5.0	2.2	12	184	172	0	.0	90.2	2807	0	2458
4380.0	5.0	2.3	18	184	166	0	.0	91.0	2836	0	2456
2568											
4385.0	5.0	2.3	17	184	167	0	.0	91.0	2835	0	2456
4390.0	5.0	2.4	27	183	157	0	.0	90.9	2815	0	2456
4395.0	5.0	2.5	26	184	158	0	.0	90.9	2820	0	2456
4400.0	5.0	2.5	24	184	160	0	.0	90.9	2827	0	2460
4405.0	5.0	2.5	14	184	170	0	.0	90.9	2817	0	2466
4410.0	5.0	2.6	11	184	173	0	.0	90.6	2817	0	2468
4415.0	5.0	2.7	12	184	172	0	.0	90.5	2807	0	2471
4420.0	5.0	2.8	8	184	176	0	.0	91.0	2822	0	2473
4425.0	5.0	2.9	9	184	175	0	.0	90.5	2805	0	2473
4430.0	5.0	3.0	13	184	170	0	.0	90.5	2797	0	2476
2610											
4435.0	5.0	3.1	21	184	164	0	.0	90.8	2793	0	2480
4440.0	5.0	3.2	21	185	164	0	.0	90.5	2785	0	2482
4445.0	5.0	3.2	21	185	164	0	.0	90.7	2797	0	2484
4450.0	5.0	3.2	15	185	170	0	.0	91.0	2800	0	2488
4455.0	5.0	3.3	9	185	176	0	.0	90.4	2785	0	2500
4460.0	5.0	3.4	15	185	170	0	.0	90.1	2767	0	2507
4465.0	5.0	3.5	22	185	163	0	.0	90.7	2765	0	2511
4470.0	5.0	3.6	22	185	163	0	.0	90.3	2758	0	2515
4475.0	5.0	3.7	22	185	163	0	.0	90.5	2760	0	2520
4480.0	5.0	3.8	23	185	162	0	.0	90.5	2769	0	2525
2652											

DEPTH	STEP	CHRS	WOB	HKLDV	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2652											
4485.0	5.0	3.8	21	185	164	0	.0	89.8	2760	0	2528
4490.0	5.0	3.9	24	185	161	0	.0	89.9	2751	0	2527
4495.0	5.0	4.0	31	185	154	0	.0	89.4	2724	0	2523
4500.0	5.0	4.2	32	185	153	0	.0	89.5	2722	0	2526
4505.0	5.0	4.3	32	185	153	0	.0	91.2	2724	0	2527
4510.0	5.0	4.5	33	185	152	0	.0	91.1	2722	0	2531
4515.0	5.0	4.7	33	178	151	0	.0	90.4	2764	0	2539
4520.0	5.0	4.9	34	185	151	0	.0	91.7	2834	0	2549
4525.0	5.0	5.1	32	185	153	0	.0	92.0	2851	0	2555
4530.0	5.0	5.1	31	185	154	0	.0	92.2	2850	0	2559
2697											
4535.0	5.0	5.1	30	185	155	0	.0	91.9	2847	0	2564
4540.0	5.0	5.2	28	185	157	0	.0	91.9	2846	0	2567
4545.0	5.0	5.2	28	185	157	0	.0	92.0	2852	0	2570
4550.0	5.0	5.2	20	185	165	0	.0	92.6	2881	0	2567
4555.0	5.0	5.3	17	185	168	0	.0	92.8	2887	0	2566
4560.0	5.0	5.5	23	185	162	0	.0	93.1	2884	0	2563
4565.0	5.0	5.5	22	185	163	0	.0	93.3	2879	0	2564
4570.0	5.0	5.6	17	185	168	0	.0	93.3	2885	0	2567
4575.0	5.0	5.7	10	185	175	0	.0	93.5	2877	0	2575
4580.0	5.0	.2	8	184	172	0	.0	40.0	637	0	2530
2736											
4585.0	5.0	.4	13	184	172	0	.0	51.0	986	0	2547
4590.0	5.0	1.0	14	184	172	0	22.4	26.2	729	0	2537
4595.0	5.0	1.6	13	184	172	0	56.8	.0	910	0	2549
4600.0	5.0	1.8	13	184	172	0	55.2	.0	835	0	2538
4605.0	5.0	2.0	14	184	171	0	22.0	31.5	972	0	2554
4610.0	5.0	2.2	18	184	166	0	.0	51.6	1037	0	2557
4615.0	5.0	2.6	19	184	165	0	.0	51.8	1002	0	2563
4620.0	5.0	3.0	24	188	164	0	.0	52.7	976	0	2563
4625.0	5.0	3.5	24	189	165	0	.0	51.5	984	0	2567
4630.0	5.0	4.4	22	189	167	0	.0	57.1	1064	0	2568
2786											
4635.0	5.0	5.2	22	189	167	0	.0	63.1	1145	0	2578
4640.0	5.0	5.6	19	189	170	0	.0	56.5	947	0	2591
4645.0	5.0	5.8	18	189	171	0	.0	31.3	416	0	2596
4650.0	5.0	6.1	17	189	172	0	31.1	15.2	335	0	2611
4655.0	5.0	6.2	17	189	172	0	35.3	.0	613	0	2618
4660.0	5.0	6.3	16	189	173	0	35.9	.0	626	0	2617
4665.0	5.0	6.8	18	189	171	0	40.6	.0	717	0	2594
4670.0	5.0	7.8	17	186	169	0	46.1	.0	713	0	2596
4675.0	5.0	8.3	9	182	173	0	41.2	.0	648	0	2603
4680.0	5.0	8.7	10	182	172	0	42.4	.0	681	0	2611
2836											
4685.0	5.0	8.8	8	182	174	0	42.4	.0	638	0	2615
4690.0	5.0	9.0	8	182	174	0	25.9	.0	376	0	2635
4695.0	5.0	9.0	7	182	175	0	23.1	.0	367	0	2663
4700.0	5.0	9.1	6	182	176	0	24.0	.0	350	0	2651
4703.0	3.0	9.2	6	182	176	0	23.9	.0	350	0	2641
NEW BIT ID: 9											
4705.0	.0	.0	12	186	171	0	76.2	.0	1864	0	2591
4710.0	5.0	.1	14	186	172	0	74.7	.0	1854	0	2596

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2865											
4715.0	5.0	.1	16	186	170	0	75.7	.0	1856	0	2600
4720.0	5.0	.1	14	186	172	0	75.7	.0	1847	0	2604
4725.0	5.0	.2	13	186	172	0	79.7	.0	2055	0	2606
4730.0	5.0	.2	15	186	171	0	81.0	.0	2086	0	2611
4735.0	5.0	.3	13	186	173	0	80.9	.0	2103	0	2615
4740.0	5.0	.4	15	186	171	0	82.3	.0	2146	0	2619
4745.0	5.0	.5	15	186	171	0	82.8	.0	2160	0	2624
4750.0	5.0	.5	15	186	171	0	82.4	.0	2154	0	2641
4755.0	5.0	.7	14	186	172	0	81.5	.0	2254	0	2677
4760.0	5.0	.9	15	186	171	0	81.5	.0	2128	0	2632
2900											
4765.0	5.0	.9	16	186	170	0	82.0	.0	2139	0	2640
4770.0	5.0	1.0	16	186	170	0	82.0	.0	2130	0	2638
4775.0	5.0	1.0	16	186	170	0	81.5	.0	2119	0	2647
4780.0	5.0	1.1	16	186	170	0	81.2	.0	2120	0	2651
4783.0	3.0	1.1	16	186	170	0	81.4	.0	2128	0	2649

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PE602714

This is an enclosure indicator page.
The enclosure PE602714 is enclosed within the container PE903923 at this location in this document.

The enclosure PE602714 has the following characteristics:

ITEM_BARCODE	= PE602714
CONTAINER_BARCODE	= PE903923
NAME	= Barracouta 4 Geo-Plot log
BASIN	= GIPPSLAND
PERMIT	= VIC/L2
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Barracouta 4 Geo-Plot log (from enclosure 6, WCR)
REMARKS	=
DATE_CREATED	= 22/04/77
DATE_RECEIVED	=
W_NO	= W688
WELL_NAME	= Barracouta-4
CONTRACTOR	= Core Laboratories International Ltd
CLIENT_OP_CO	= Esso Exploration Australia Inc

(Inserted by DNRE - Vic Govt Mines Dept)

PE602715

This is an enclosure indicator page.
The enclosure PE602715 is enclosed within the container PE903923 at this location in this document.

The enclosure PE602715 has the following characteristics:

ITEM_BARCODE	= PE602715
CONTAINER_BARCODE	= PE903923
NAME	= Barracouta 4 Drill Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L2
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Barracouta 4 Drill log (from enclosure 6, WCR)
REMARKS	=
DATE_CREATED	= 22/04/77
DATE_RECEIVED	=
W_NO	= W688
WELL_NAME	= Barracouta-4
CONTRACTOR	= Core Laboratories International Ltd
CLIENT_OP_CO	= Esso Exploration Australia Inc

(Inserted by DNRE - Vic Govt Mines Dept)

PE602716

This is an enclosure indicator page.
The enclosure PE602716 is enclosed within the container PE903923 at this location in this document.

The enclosure PE602716 has the following characteristics:

ITEM_BARCODE	= PE602716
CONTAINER_BARCODE	= PE903923
NAME	= Barracouta 4 Pressure Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L2
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Barracouta 4 Pressure Log (from enclosure 6, WCR)
REMARKS	=
DATE_CREATED	= 22/04/77
DATE_RECEIVED	=
W_NO	= W688
WELL_NAME	= Barracouta-4
CONTRACTOR	= Core Laboratories International Ltd
CLIENT_OP_CO	= Esso Exploration Australia Inc

(Inserted by DNRE - Vic Govt Mines Dept)

PE602717

This is an enclosure indicator page.
The enclosure PE602717 is enclosed within the container PE903923 at this location in this document.

The enclosure PE602717 has the following characteristics:

ITEM_BARCODE	= PE602717
CONTAINER_BARCODE	= PE903923
NAME	= Barracouta 4 Geo Plot 2
BASIN	= GIPPSLAND
PERMIT	= VIC/L2
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Barracouta 4 Geo Plot 2 (from enclosure 6, WCR)
REMARKS	=
DATE_CREATED	= 22/04/77
DATE_RECEIVED	=
W_NO	= W688
WELL_NAME	= Barracouta-4
CONTRACTOR	= Core Laboratories International Ltd
CLIENT_OP_CO	= Esso Exploration Australia Inc

(Inserted by DNRE - Vic Govt Mines Dept)

PE602718

This is an enclosure indicator page.
The enclosure PE602718 is enclosed within the container PE903923 at this location in this document.

The enclosure PE602718 has the following characteristics:

ITEM_BARCODE	= PE602718
CONTAINER_BARCODE	= PE903923
NAME	= Barracouta 4 Temperature 1
BASIN	= GIPPSLAND
PERMIT	= VIC/L2
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Barracouta 4 Temperature log (from enclosure 6, WCR)
REMARKS	=
DATE_CREATED	= 22/04/77
DATE_RECEIVED	=
W_NO	= W688
WELL_NAME	= Barracouta-4
CONTRACTOR	= Core Laboratories International Ltd
CLIENT_OP_CO	= Esso Exploration Australia Inc

(Inserted by DNRE - Vic Govt Mines Dept)

PE602719

This is an enclosure indicator page.
The enclosure PE602719 is enclosed within the container PE903923 at this location in this document.

The enclosure PE602719 has the following characteristics:

ITEM_BARCODE	= PE602719
CONTAINER_BARCODE	= PE903923
NAME	= Barracouta 4 Grapholog (Mud Log)
BASIN	= GIPPSLAND
PERMIT	= VIC/L2
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Barracouta 4 Grapholog (from enclosure 6, WCR)
REMARKS	=
DATE_CREATED	= 22/04/77
DATE_RECEIVED	=
W_NO	= W688
WELL_NAME	= Barracouta-4
CONTRACTOR	= Core Laboratories International Ltd
CLIENT_OP_CO	= Esso Exploration Australia Inc

(Inserted by DNRE - Vic Govt Mines Dept)