OIL and GAS DIVISION

DEPT. NAT. RES & ENV
PE906230

ESSO AUSTRALIA LTD.

OPAH # 1

EXTENDED SERVICE WELL REPORT

ATTACHMENT TO

WCR : OPAH-1

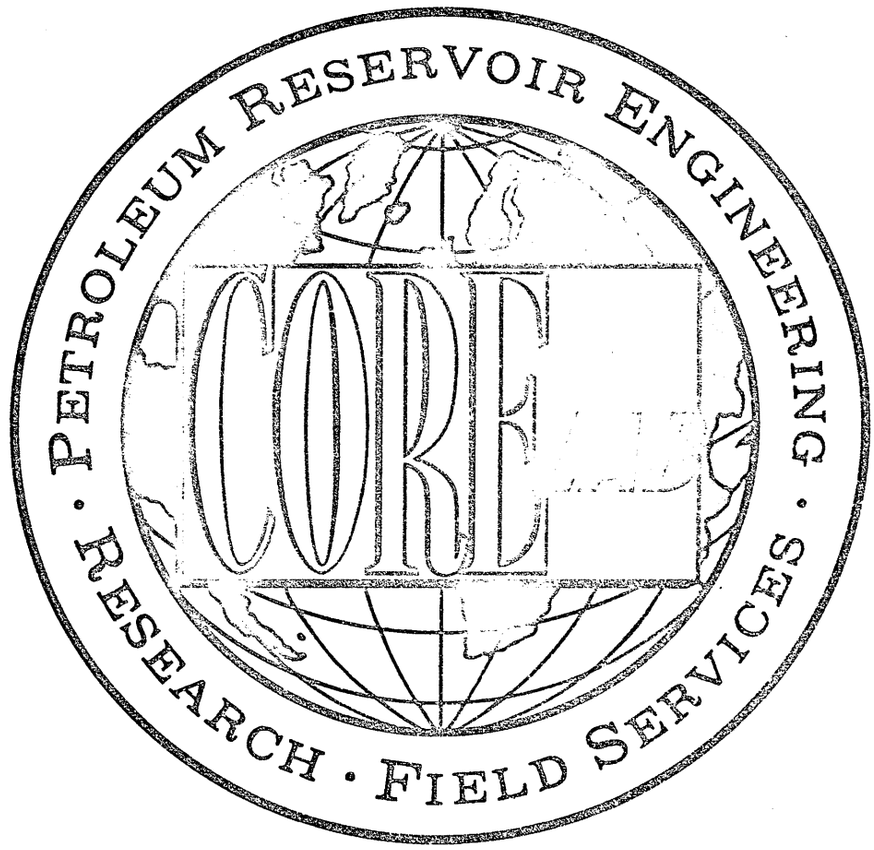
(W687)

EXTENDED SERVICE

ESSO AUSTRALIA LTD.

OPAH # 1

EXTENDED SERVICE WELL REPORT



CORE LABORATORIES INTERNATIONAL LTD.

24A, LIM TECK BOO ROAD. SINGAPORE 19.

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

CORE LABORATORIES INTERNATIONAL LTD.

Petroleum Reservoir Engineering

SINGAPORE

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

20th APRIL 1977

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

ATTN. MR. D. ATTAWAY.

Dear Sir,

Accompanying this well report for your inspection and referance, are all logs and relavent data (computer recorded) pertaining to the drilling of OPAH # 1. 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 assistance to ESSO AUSTRALIA during the entire drilling operation of OPAH # 1 and look forward to our continuing association on future exploratory work in Australia.

Yours Sincerely

S. La Rosa.

S.R. LA ROSA
(UNIT SUPERVISOR)

OPAH # 1 was drilled by ESSO AUSTRALIA in the Gippsland Basin of the Bass Strait. The exploration well was drilled by ODECO's semi-submersible drilling rig - Ocean Endeavour. The well was spudded in a water depth of 258' on 26 February 1977 and total depth of 8,205' was reached at 0514 hours on 11 March 1977.

Well location co-ordinates are:-

Latitude:	38°	31'	45.806" S.
Longitude:	148°	16'	42.205" E.

A Core Laboratories Extended Service fully integrated computer unit was located on board the Ocean Endevaour 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:-

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

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.

OPAH # 1 WELL SUMMARY

OPAH # 1 was spudded on 26 February 1977, with 20" casing being set at a depth of 761'. Drilling fluid used for the surface hole was sea-water, with all returns to the sea-floor. As was noted on the previous well drilled in this area, SWORDFISH # 1, surface hole drilling attained high penetration rates and corresponding high drilling porosity which are indicative of extrusive drilling; that is drilling by jet abrasion rather than conventional drilling by cutting action of the bit teeth. The lithology throughout the surface section, to an approximate depth of 2,200', was a calcareous soft to firm siltstone, with traces of carbonaceous material, glauconite and pyrite occasionally, also with abundant skeletal fragments throughout the section. From 2,200' to the programmed 13.375" casing point of 2,912', the lithology varied to a calcarenite, firming up at the base of the section. As noted, the formation became slightly more compacted and as seen on the plots, gradually established the drilling porosity and 'd' exponent trends. Absence of drilling problems, low

background gas, no connection gas, all these factors indicate a normal pore pressure gradient over this interval. After drilling to 2,912' the following Wireline Logs were run: ISF-Sonic, FDC, Gamma Ray. Due to the absence of clean competent shales over the logged interval, no pressure predictions from the Wireline Log data were performed.

13.375" casing was set at 2,861' in a firm calcarenite, providing a good casing seat. On drilling through the casing shoe no actual PIT was run, thus preventing obtaining an accurate measurement of the formation fracture pressure for OPAH # 1. Over the section 2,912' to 5,600', few hole problems were experienced, mainly due to the fact that good drilling practices were maintained by optimizing Impact Force, Jet Velocity and available Horsepower. Lithologies encountered over this interval being calcarenite and calcilutite, giving a reasonably good trend line, with a definite lateral shift at 4,875'. This shift in trend line could possibly indicate an abnormal pressure zone. But at this particular point of the well operation no other monitored parameters, such as increasing background gas, non-existent connection gas or hole sloughing indicated that possibility. But these tell-tale factors could well be masked by the more than adequate over-balance being maintained. A second possibility exists. The correction of 'd' exponent for mud weight in use is an empirical one, but quite adequate where the over-balance of a mud system is minor. A given increase in over-balance has less effect on rate of pene-

tration when a substantial over-balance exists, but the 'd' exponent correction assumes the same effect, the 'd' exponent then tends to be over-corrected and this over-correction increases with increasing over-balance, that is, for a constant mud weight, with increasing depth. This can produce a vertical or near vertical trend line. Again, an increasing silt content of lithologies encountered, would tend to straighten the trend line. Mud samples from the desilter over this interval indicated a higher percentage of silt in the formation than was actually apparent from samples taken over the shale shaker screens.

At approximately 6,420' a pump pressure increase was noted, associated with lower pump strokes and partial mud returns, indicating a possible 'packing-off' in the soft clay formation. After circulating the hole and a trip for a new bit drilling resumed, only to 'pack-off' once again at 7,645'. The hole was again circulated clean, conditioned and drilling continued after a trip for a new bit, with no further major hole problems.

At 7,911', the first major objective was encountered, a sandstone with loose medium to coarse quartz grains, with no visual fluorescence, but only a strong white cut was noted. Gas composition recorded for this first break was good but suggests that the zone would probably be non-productive. Two more drilling breaks were circulated out before reaching total depth of 8,205'. The two breaks were at 7,989' and 8,016'. Once again both breaks proved to be very poor with no shows recorded.

Hydrocarbons noted on the grapholog at intervals 8,050' - 8,100' and 8,140' - 8,160' could possibly be attributed to re-circulated gas from the upper gas bearing sand body. The following should also be noted about the gas readings recorded on OPAH # 1 in the lower section of the hole. Generally one Hot Wire unit is equivalent to 500 parts per million methane in air. With the presence of ethane, propane, butane, pentane, and hexane, the Hot Wire can no longer be used quantitatively, because the catalytic combustion detector element is sensitive in varying degrees to the carbon number of the hydrocarbon atoms present and is looking at all gaseous components simultaneously and not individually as in the case of the chromatograph. Some divergence between Hot Wire and Chromatograph can therefore be expected where a high proportion of "heavies" occurs.

On reaching total depth of 8,205', Wireline Logs were run, thereafter seven (7) Schlumberger F.I.T./Hewlett-Packard Quartz Pressure Gauge pressure tests were performed on the formation at varying depths. The final test, taken at a depth of 8,123' produced an equivalent formation pore pressure of 8.2 ppg representing the drawn-down pressure produced by the surrounding reservoir fields.

As can be seen from all data obtained, processed and analysed, our opinion is that OPAH # 1 was normally pressured throughout.

SLR:bh

BIT DATA

PARAMETER	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. 3 BIT NO. 3

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	2912' - 4040'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	X3A	1128'	85000
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	18/18/18	12.4	6-5-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	95'
	HW DRILL COLLARS	8"	3"	565'

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		2861'	HUNG AT.

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

REMARKS;

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	4040' - 5117'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	X3A	1077'	126000
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	18/18/18	14.9	6-6-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	95'
	HW DRILL COLLARS	8"	3"	565'

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		2861'	HUNG AT.

DEPTH	4108	4420	4620	5000		
WOB	45	50	60	45		
RPM	157	140	153	130		
PUMP RATE	95/99	100/95	97/98	108		
FLOWRATE	959	970	961	530		
PUMP PRESS	2840	2930	2899	1120		
MW	9.1	9.1	9.1	9.4+		
PV	18	18	10	10		
YP	10	10	13	11		
SAND %	TR	TR	-	-		
TEMP. OUT	98	98	100	109		
Psurface	2	2	2	2		
Pstring	1371	1456	1199	539		
Pbit	1448	1468	1676	566		
Pannulus	21	22	28	18		
Ptotal	2842	2948	2905	1126		
HHP	834	839	1031	196		
IMPACTFORCE	2059	2049	2409	797		
JET VEL	447	446	485	270		
DC/OH	303	306	303	155		
DP/OH	188	191	188	111		
DP/CSG	182	185	182	102		
ECD	9.2	9.2	9.3	9.6		

REMARKS;

BOTH PUMPS DOWN @ 5001', HOT WIRE GAS RECORDED ON CIRCULATING BOTTOMS UP 15UNITS.

TWO BEARINGS LOCKED, TEETH BROKEN OFF.

BIT RUN DATA SHEET.

CORE LAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	5117'-6477'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HUGHES	X3A	1360'	127000
	SIZE	JETS	HOURS RUN	CONDITION
	12.25"	18/18/18	15.5	2-8-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	95'
	HW DRILL COLLARS	8"	3"	565'

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		2861'	HUNG AT.

DEPTH	5267	5387	5860	6190	6332	
WOB	47	49	47	56	57	
RPM	150	151	127	148	151	
PUMP RATE	91/94	93/94	109	90/89	90/86	
FLOWRATE	910	919	538	877	856	
PUMP PRESS	3010	3090	1280	3110	3010	
MW	9.2+	9.3	9.4	9.5	9.6	
PV	14	14	13	19	13	
YP	8	8	9	8	9	
SAND %	TR	TR	TR	.5	.5	
TEMP.	106	102	106	105	107	
Psurface	3	3	3	3	3	
Pstring	1502	1544	688	1577	1554	
Pbit	1465	1516	565	1480	1420	
Pannulus	32	34	16	32	33	
Ptotal	3001	3087	1272	3092	3010	
HHP	847	877	199	832	803	
IMPACTFORCE	2099	2147	800	2099	2041	
JET VEL	444	449	274	436	433	
DC/OH	260	265	148	250	221	
DP/OH	177	179	102	172	166	
DP/CSG	171	173	100	168	163	
ECD	9.4	9.5	9.6	9.8	9.7	

REMARKS;

10° off LOCATION HANG OFF, TENSION ANCHORS
BOTH PUMPS DOWN, REPAIR
INCREASED PUMP PRESSURE-LESS STROKES, ALSO PARTIAL LOSS
OF RETURNS POSSIBLY PACKING OFF IN SOFT CLAY FORMATION,
CIRCULATE AND REAM, DRILL TO 6477, CIRCULATE OUT, PULL OUT
OF HOLE

BIT RUN DATA SHEET.

CORE LAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	6477-7648

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	4171	160000
	SIZE 12.25"	JETS 18/18/18	HOURS RUN 20.3	CONDITION 2-5-1

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	95'
	HW DRILL COLLARS	8.0"	3.0"	565'

CASING & LINER	OD	ID	GRADE	SET AT	
	13.375"	12.415"		2861'	HUNG AT.

DEPTH	6640	7050	7589			
WOB	51	49	52			
RPM	130	143	140			
PUMP RATE	86/89	88/86	86/84			
FLOWRATE	859	850	836			
PUMP PRESS	2960	2960	2970			
MW	9.6+	9.6+	9.8+			
PV	19	19	13			
YP	10	10	10			
SAND %	0	0	0			
TEMP.	109	111	132			
Psurface	4	4	4			
Pstring	1598	1740	1700			
Pbit	1296	1163	1139			
Pannulus	40	53	61			
Ptotal	2938	2960	2904			
HHP	590	585	553			
IMPACTFORCE	1583	1568	1532			
JET VEL	370	370	358			
DC/OH	223	221	220			
DP/OH	167	166	163			
DP/CSG	165	164	160			
ECD	9.9	9.9	10.2			

REMARKS;

CIRCULATE WHILE REPAIRING POWER TO DRAWWORKS @ 6682

HOLE PACKED OFF @ 7645', PULL 18 STANDS

CIRCULATE OUT, PULL OUT OF HOLE FOR NEW BIT, STACK TEST

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	7648-8205

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XIG	557	114000
	SIZE	JETS	HOURS RUN	CONDITION
	12.25	18/18/18	13.6	4-4-8

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5.0"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	95'
	HW DRILL COLLARS	8.0"	3.0"	565'

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	13.375"	12.415"		2861'	

DEPTH	9700	8027				
WOB	50	50				
RPM	147	140				
PUMP RATE	85/84	92/77				
FLOWRATE	830	828				
PUMP PRESS	2970	2960				
MW	9.8	9.8				
PV	13	22				
YP	10	11				
SAND %	.25	.25				
TEMP.	109	126				
Psurface	4	4				
Pstring	1636	1805				
Pbit	1302	1140				
Pannulus	32	37				
Ptotal	2974	2986				
HHP	689	559				
IMPACTFORCE	1844	1614				
JET VEL	411	381				
DC/OH	225	224				
DP/OH	162	161				
DP/CSG	156	155				
ECD	10.0	10.1				

REMARKS;

TEST STACK,DISPLACE RISER AFTER CLEANING
RUN TO BOTTOM,NO BRIDGES,CIRCULATE OUT,DRILL AHEAD @ 07:30
CIRCULATE OUT @ 7911'
CIRCULATE OUT @ 7989'
CIRCULATE OUT @ 8016'
DRILL TO 8205',CIRCULATE OUT,SHORT TRIP,RUN IN HOLE,44'OF FILL,
CIRCULATE OUT,PULL OUT OF HOLE FOR ELECTRIC LOGS.

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.

COST PER FOOT GRAPH

CORE LAB ESP

UNIT NO. 1010 BIT NO. 3

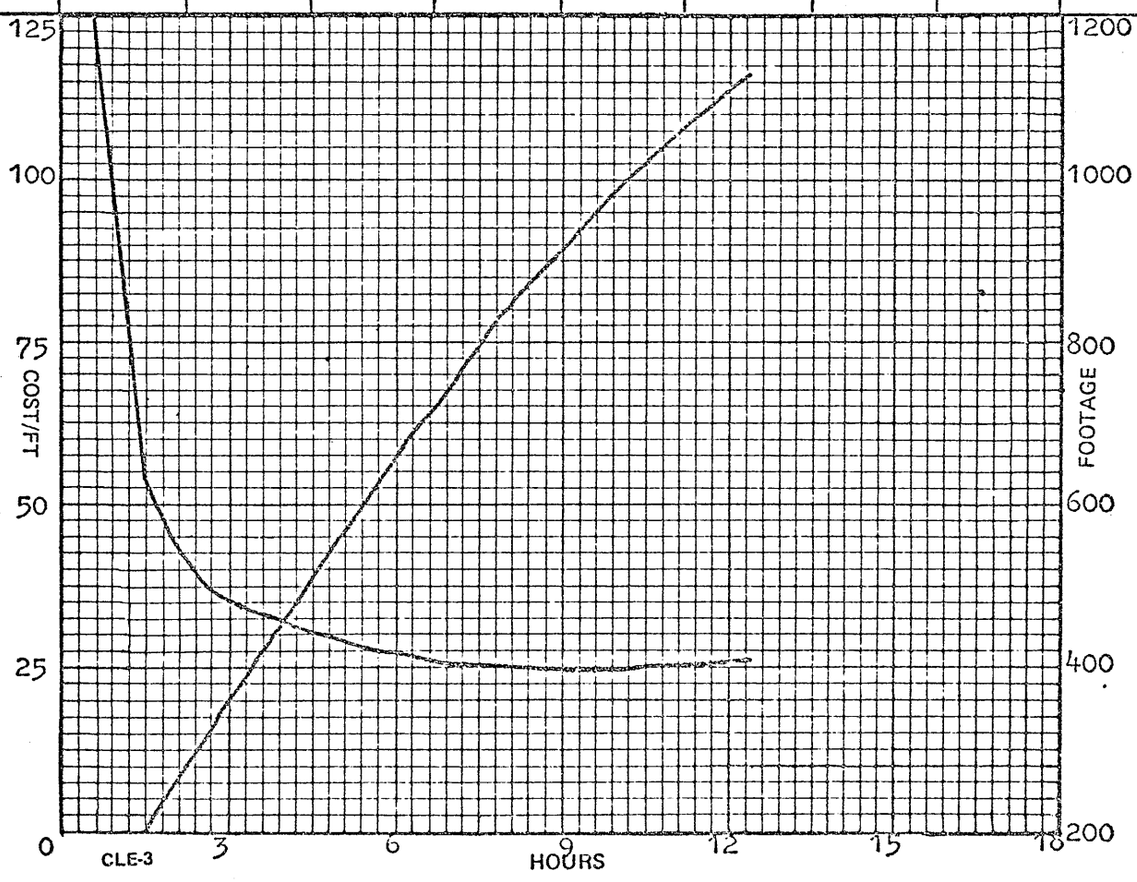
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	2912-4040

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	12.25	1128	85000
	COST	JETS	HOURS RUN	CONDITION
	744	18/18/18	12.4	6-5-I

RIG COST/HR. 1700

TRIP TIME 4.0

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
0.9	4000	3000	88	102					
1.5	8000	3100	188	54					
2.3	13000	3200	288	40					
3.2	19000	3300	388	34					
4.3	25000	3400	488	31					
5.3	32000	3500	588	28					
6.3	40000	3600	688	27					
6.9	44000	3650	738	26					
7.5	49000	3700	788	25.8					
7.9	53000	3750	838	25.1					
8.6	57000	3800	888	25.0					
9.3	63000	3850	938	24.9					
9.9	67000	3900	988	24.8					
10.8	73000	3950	1038	25.0					
11.7	80000	4000	1088	25.2					
12.0	82000	4020	1108	25.3					
12.4	85000	4040	1128	25.4					



CORE LAB **ESP**

COST PER FOOT GRAPH

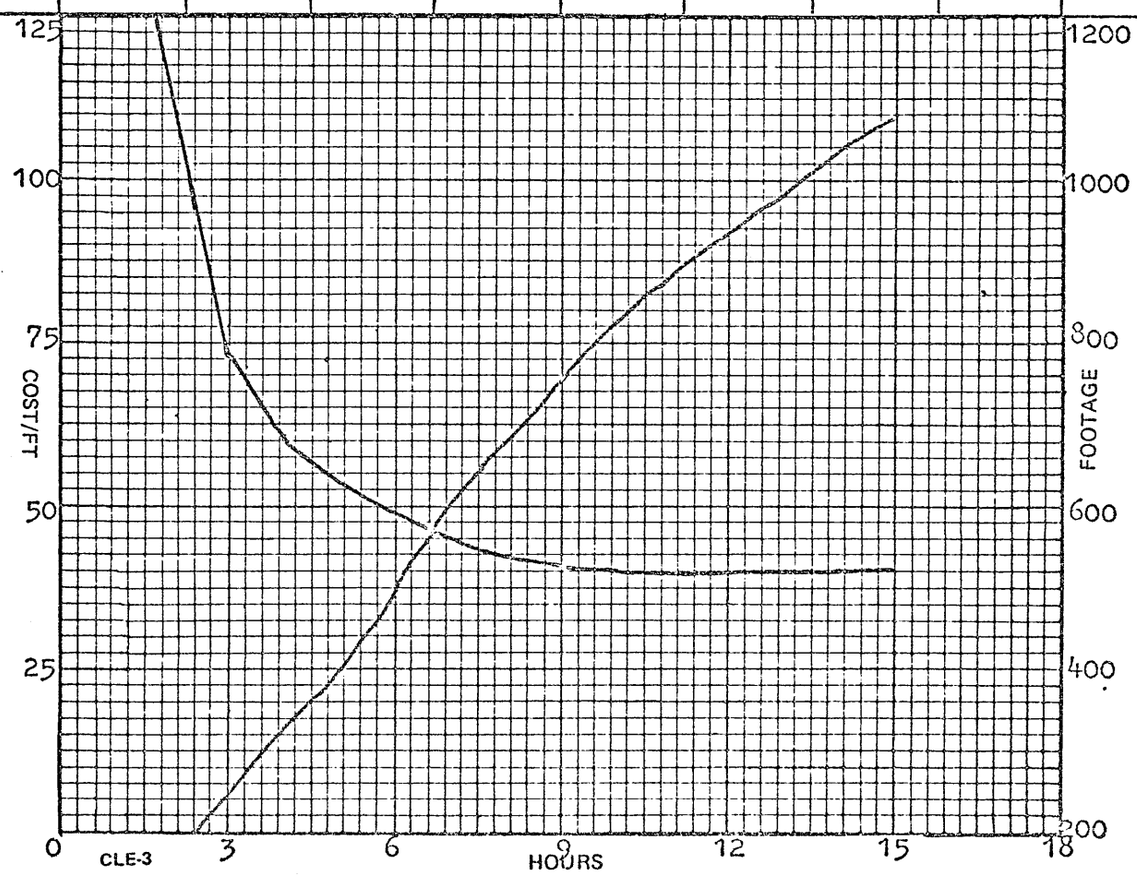
UNIT NO. 1010 BIT NO. 4

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	4040 - 5117

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	12.25	1077'	126000
	COST	JETS	HOURS RUN	CONDITION
	744	18/18/18	14.9	6-6-I

RIG COST/HR.	1200		
TRIP TIME	5.0		

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.1	7000	4101	61	218					
2.0	15000	4197	157	217					
3.0	24000	4288	248	73					
4.0	32000	4373	333	61					
5.3	43000	4477	437	52					
6.0	49000	4540	500	49					
7.1	59000	4644	602	45					
8.1	67000	4729	689	42					
9.0	75000	4796	756	41					
10.1	85000	4866	826	40					
11.0	93000	4917	877	39					
12.0	102000	4978	938	39					
13.0	110000	5018	978	41					
14.7	120000	5074	1034	40					
14.9	126000	5117	1077	40					



CORE LAB ESP

COST PER FOOT GRAPH

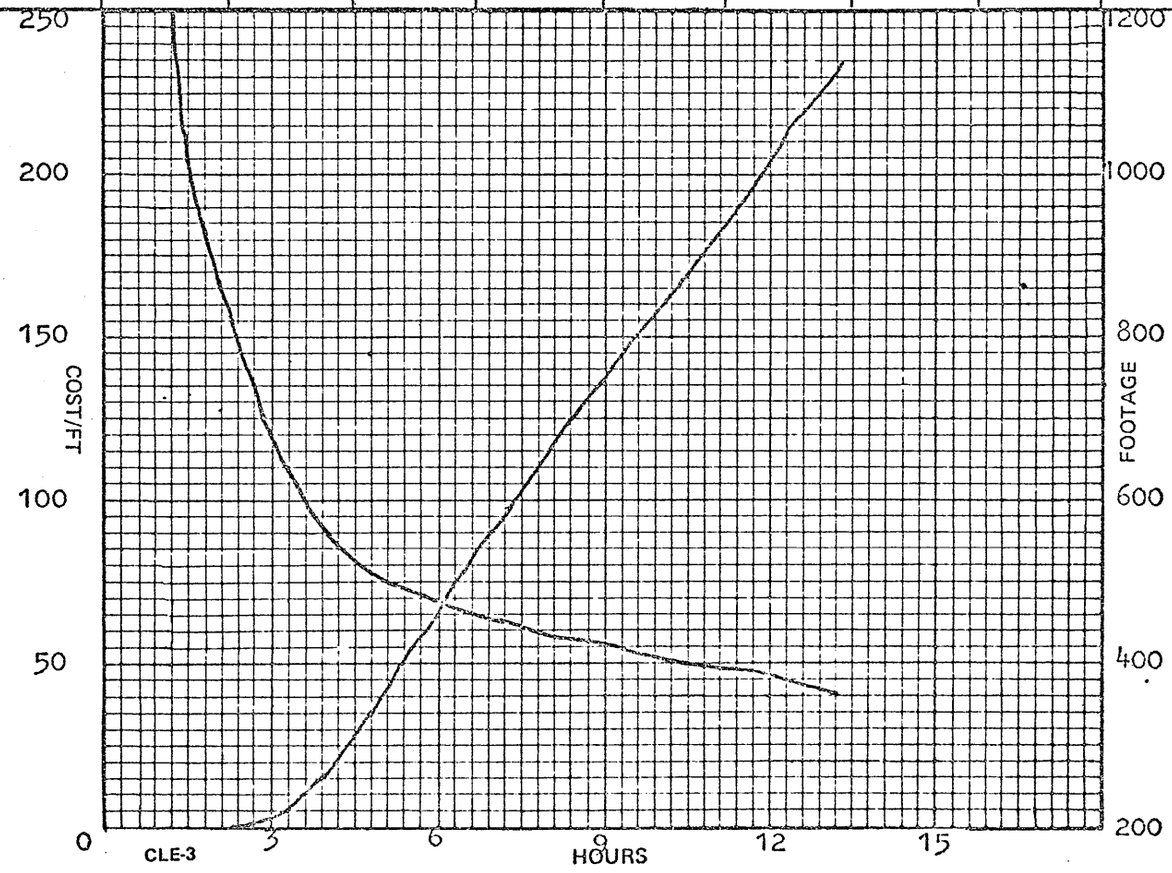
UNIT NO. 1010 BIT NO. 5

COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	5117 - 6477

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	12.25	1360	127000
	COST	JETS	HOURS RUN	CONDITION
	744	18/18/18	15.5	2-8-I

RIG COST/HR.	1700	
TRIP TIME	7	

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.0	6000	5163	46	383					
2.2	16000	5239	122	165					
3.2	25000	5323	206	111					
4.0	33000	5398	281	88.5					
6.0	50000	5594	477	70					
7.0	58000	5688	571	62					
8.0	66000	5774	657	58					
9.1	75000	5858	741	54					
10.1	83000	5956	839	51					
11.0	91000	6039	922	48					
12.0	100000	6146	1029	46					
13.0	108000	6255	1138	40					
14.1	117000	6359	1242	38					
15.1	124000	6439	1322	39					
15.5	127000	6477	1360	38					



COST PER FOOT GRAPH

CORE LAB ESP

UNIT NO. 1010 BIT NO. 6

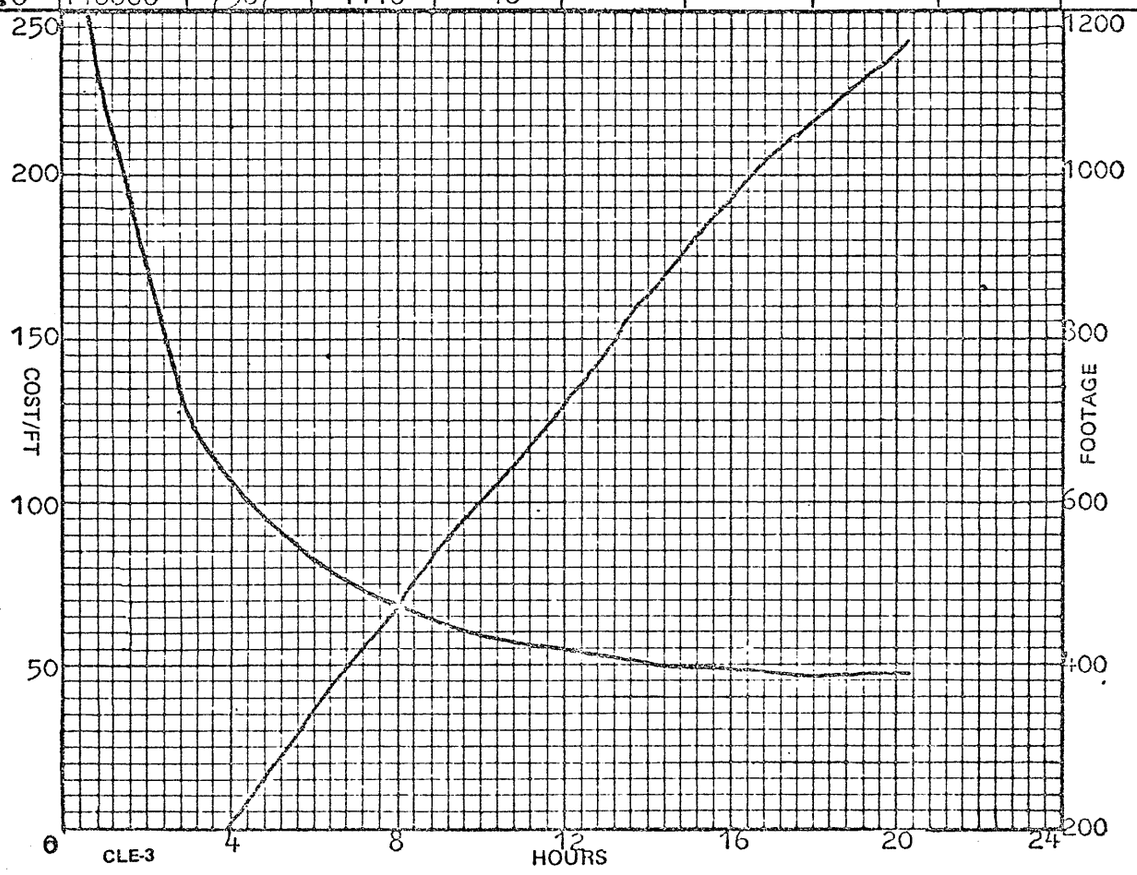
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # 1	GIPPSLAND BASIN	6477'-7648'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	12.25"	1171'	160000
	COST	JETS	HOURS RUN	CONDITION
	744	18/18/18	20.3	2-5-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	7000	6527	50	338	20	157000	7630	1153	48
2	15000	6588	111	171	20.3	160000	7648	1171	48
3	23000	6647	170	125					
4	28000	6683	206	115					
5	36000	6754	277	93					
6	45000	6821	344	81					
7	53000	6880	403	74					
8	61000	6944	467	68					
9	69000	7018	541	62					
11.3	87000	7161	674	57					
12.0	92000	7195	718	55					
13.5	104000	7303	826	51					
14.6	112000	7370	893	50					
15.5	119000	7417	940	49					
16.0	123000	7448	971	49					
17.0	131000	7498	1021	48.5					
18.1	140000	7546	1069	48					
19.0	148000	7587	1110	48					



CORE LAB **ESP**

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 7

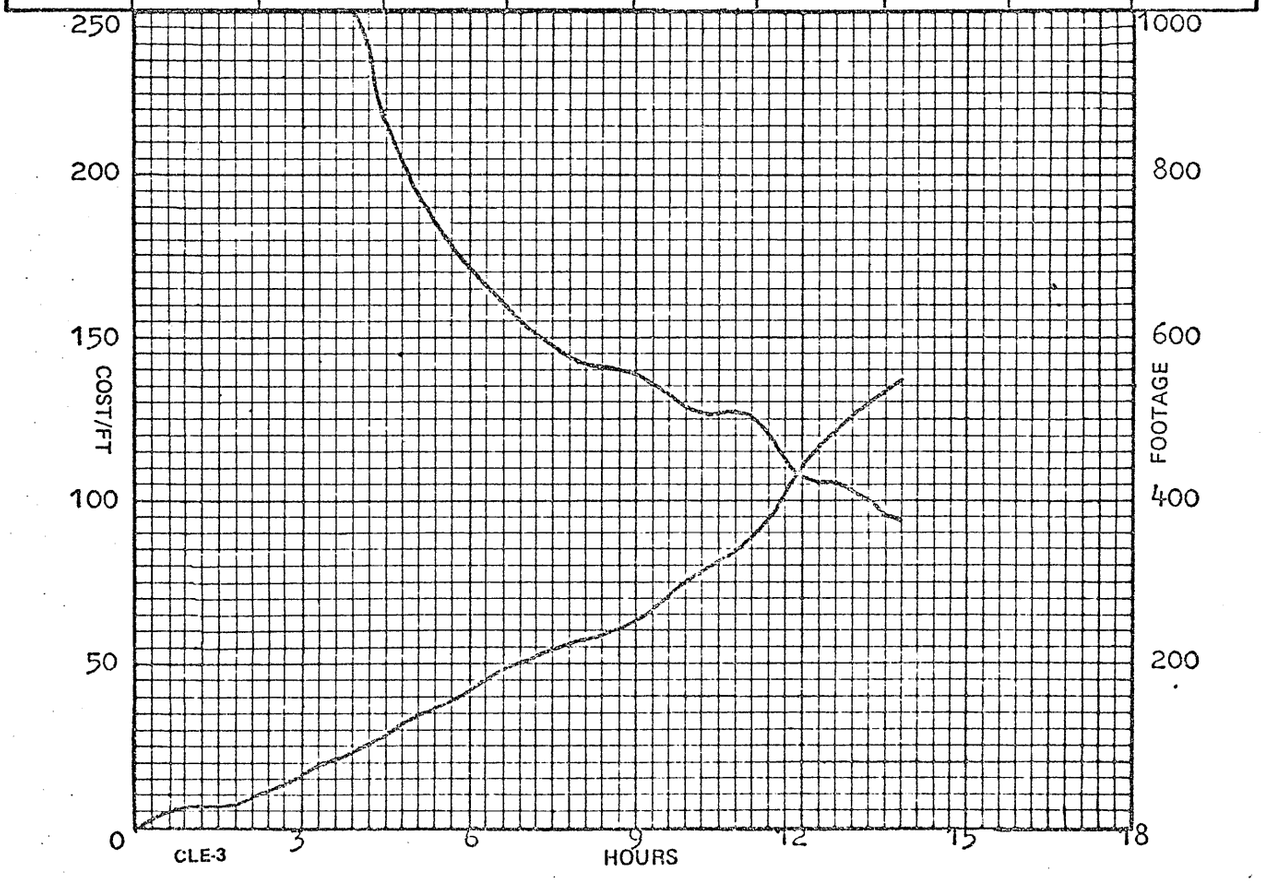
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	OPAH # I	GIPPSLAND BASIN	7648 - 8205

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC XIG	12.25	557	11400
	COST	JETS	HOURS RUN	CONDITION
	744	18/18/18	13.6	4-4-8

RIG COST/HR. 1700

TRIP TIME 9

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.0	7000	7665	17	1044					
2.0	15000	7686	38	522					
3.0	24000	7714	66	331					
4.0	33000	7746	98	247					
5.0	41000	7785	137	196					
6.0	51000	7815	167	172					
7.0	60000	7850	202	153					
8.0	68000	7880	232	142					
9.0	77000	7900	252	139					
10.0	84000	7955	307	127					
11.0	93000	7990	342	126					
11.4	96000	8027	379	119					
12.0	101000	8090	442	106					
13.0	108000	8161	513	101					
13.6	114000	8205	557	95					



MUD DATA

PARAMETER	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 **ESP**

MUD INFORMATION DATA SHEET

UNIT NO. 1010 SHEET NO. 1

COMPANY		WELL			LOCATION		
ESSO		OPAH - 1			GIPPSLAND BASIN		
DEPTH	2100	2912	2946	3806	4040	4330	5117
DATE	28/2/77	3/3/77	4/3/77	4/3/77	4/3/77	5/3/77	6/3/77
TIME	0330	2330	0700	1900	0100	0445	2000
WEIGHT	9.0	9.0	8.9	9.2	9.3	9.4	9.4
FUNNEL VISCOSITY	27	32	42	43	41	40	49
PLASTIC VISCOSITY	SEAWATER	4	6	14	13	10	19
YIELD POINT		13	20	10	12	13	15
GEL INITIAL/10 MIN		4/12	7/22	5/16	3/14	3/10	4/15
pH			11.0	10.0	10.5	10.0	10.0
FILTRATE			18.6	15.9	14.6	13.6	12.6
CAKE			2	2	2	2	2
SALINITY			2100	2200	2100	2400	3600
SOLIDS/SAND/OIL			8/TR/0	8/.25/0	8/.25/0	9/.25/0	9/.25/0

REMARKS: FROM 2100 TO 2912 ONLY LIGHTLY TREATED SEAWATER GEL WAS USED.

DEPTH	6410	6518	7325	7648	7810	7837	8190
DATE	7/3/77	7/3/77	8/3/77	8/3/77	10/3/77	10/3/77	11/3/77
TIME	0330	1800	1000	0430	1445	1550	0500
WEIGHT	9.7	9.8	9.7	9.7+	9.8	9.9	9.8
FUNNEL VISCOSITY	49	44	49	42	43	56	54
PLASTIC VISCOSITY	17	15	13	14	16	22	21
YIELD POINT	9	12	10	12	.9	11	12
GEL INITIAL/10 MIN	3/13	3/14	3/11	3/13	3/11	3/12	3/10
pH	10.5	10.5	10.0	10.0	10.5	10.5	10.0
FILTRATE	6.8	15.1	6.6	15.1	14.2	14.2	13.7
CAKE	2	2	2	2	2	2	2
SALINITY	3700	5800	6000*	5800	4200	4200	4100
SOLIDS/SAND/OIL	10/.5/0	9/.5/0	8/.5/0	9/.5/0	10/TR/0	11/.5/0	10/1/0

REMARKS: *ADDED SALTWATER TO MUD SYSTEM, OUT OF POTABLE WATER

BIT DIRECTORY TABLE

BIT #	FIRST RECORD	LAST RECORD	FIRST DEPTH	LAST DEPTH	INTERVAL	TERM CODE
2	64	760	865.0	2912.0	2047.0	1
3	761	1766	2913.0	4040.0	1127.0	1
4	1767	2817	4042.0	5117.0	1075.0	1
5	2818	4048	5118.0	6477.0	1359.0	1
6	4049	5184	6478.0	7648.0	1170.0	1
7	64	583	7650.0	8205.0	555.0	1

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, Tooth-wear, 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 tc the 'd' exponent for variations in mud density to give the corrected 'd' exponent

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	64										
				NEW BIT ID:	2						
865.0	20:18	416.0	3	70	8.6	8.6	8.6	8.60	10.7	100.0	.43
875.0	20:28	391.0	3	75	8.6	8.6	8.7	8.60	10.7	100.0	.45
900.0	20:29	410.0	3	80	8.6	8.6	9.0	8.60	10.8	100.0	.45
950.0	20:29	328.0	2	80	8.6	8.6	9.1	8.60	10.9	128.0	.43
1000.0	20:34	302.0	2	80	8.6	8.6	9.3	8.60	11.0	128.0	.45
1050.0	20:35	291.0	3	85	8.6	8.6	9.5	8.60	11.1	122.4	.49
1100.0	20:35	274.0	4	90	8.6	8.6	9.5	8.60	11.2	109.8	.52
1150.0	20:41	334.0	5	95	8.6	8.6	9.7	8.60	11.2	98.2	.51
1200.0	20:41	319.0	5	100	8.6	8.6	9.9	8.60	11.3	94.1	.53
1250.0	20:46	345.0	8	85	8.6	8.6	9.7	8.60	11.4	76.9	.54
	78										
1300.0	20:47	297.0	16	82	8.6	8.6	9.9	8.60	11.5	61.3	.63
1350.0	20:53	318.0	14	86	8.6	8.6	9.7	8.60	11.5	60.8	.62
1400.0	20:57	352.0	19	87	8.6	8.6	9.7	8.60	11.6	54.6	.64
1405.0	20:58	212.0	6	88	8.6	8.6	9.7	8.60	11.6	84.2	.60
1410.0	21:20	337.0	7	80	8.6	8.6	8.7	8.60	11.6	64.8	.58
1415.0	21:21	321.0	3	73	8.6	8.6	8.7	8.60	11.6	114.1	.49
1420.0	21:28	179.0	4	82	8.6	8.6	8.7	8.60	11.6	94.3	.63
1425.0	21:29	404.0	10	84	8.6	8.6	8.8	8.60	11.6	57.7	.58
1430.0	21:29	284.0	6	85	8.6	8.6	8.8	8.60	11.7	71.3	.60
1435.0	21:35	383.0	10	72	8.6	8.6	8.8	8.60	11.7	59.8	.56
	88										
1440.0	21:35	311.0	7	85	8.6	8.6	8.8	8.60	11.7	67.3	.60
1445.0	21:36	291.0	10	85	8.6	8.6	8.8	8.60	11.7	56.7	.65
1450.0	22:55	275.0	8	85	8.6	8.6	8.6	8.60	11.7	59.6	.65
1455.0	22:56	315.0	14	85	8.6	8.6	8.7	8.60	11.7	45.8	.69
1460.0	22:56	329.0	5	85	8.6	8.6	8.7	8.60	11.7	78.4	.56
1465.0	23: 3	286.0	20	85	8.6	8.6	8.7	8.60	11.7	36.9	.77
1470.0	23: 5	351.0	21	93	8.6	8.6	8.8	8.60	11.7	37.3	.75
1475.0	23:10	366.0	18	93	8.6	8.6	8.8	8.60	11.7	41.6	.71
1480.0	23:10	322.0	19	93	8.6	8.6	8.8	8.60	11.7	39.6	.75
1485.0	23:11	313.0	18	93	8.6	8.6	8.8	8.60	11.7	40.7	.75
	98										
1490.0	23:11	336.0	20	93	8.6	8.6	8.8	8.60	11.7	39.2	.74
1495.0	23:12	289.0	18	93	8.6	8.6	8.8	8.60	11.7	40.1	.76
1500.0	23:12	404.0	12	93	8.6	8.6	8.9	8.60	11.7	54.6	.62
1505.0	23:12	229.0	19	93	8.6	8.6	8.6	8.60	11.7	33.0	.85
1510.0	23:13	490.0	12	93	8.6	8.6	8.7	8.60	11.9	54.3	.59
1515.0	23:18	346.0	25	93	8.6	8.6	8.7	8.60	11.8	32.4	.78
1520.0	23:18	284.0	29	93	8.6	8.6	8.7	8.60	11.8	27.1	.87
1525.0	23:18	441.0	26	93	8.6	8.6	8.8	8.60	11.8	35.4	.72
1530.0	23:19	229.0	28	93	8.6	8.6	8.8	8.60	11.8	26.7	.92
1535.0	23:19	441.0	26	93	8.6	8.6	8.8	8.60	11.8	35.8	.72
	108										
1540.0	23:19	248.0	26	93	8.6	8.6	8.8	8.60	11.8	29.9	.88
1545.0	23:20	284.0	25	93	8.6	8.6	8.9	8.60	11.8	32.5	.83
1550.0	23:20	264.0	21	93	8.6	8.6	8.9	8.60	11.8	36.3	.81
1555.0	23:27	341.0	20	93	8.6	8.6	8.9	8.60	11.8	40.2	.74
1560.0	23:28	318.0	24	93	8.6	8.6	8.9	8.60	11.8	36.3	.78
1565.0	23:28	253.0	25	93	8.6	8.6	9.0	8.60	11.8	32.3	.86
1570.0	23:33	284.0	27	93	8.6	8.6	8.9	8.60	11.8	30.8	.84

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
115											
1575.0	23:33	415.0	36	93	8.6	8.6	8.9	8.60	11.8	29.4	.79
1580.0	23:34	474.0	34	95	8.6	8.6	8.9	8.60	11.8	32.1	.75
1585.0	23:34	483.0	28	95	8.6	8.6	8.9	8.60	11.9	36.1	.71
1590.0	23:34	410.0	27	95	8.6	8.6	8.9	8.60	11.9	35.4	.75
1595.0	23:34	201.0	33	95	8.6	8.6	8.9	8.60	11.9	23.0	.99
1600.0	23:35	241.0	30	95	8.6	8.6	8.9	8.60	11.9	27.5	.91
1605.0	23:47	171.0	29	95	8.6	8.6	8.8	8.60	11.9	22.4	1.02
1610.0	23:48	403.0	20	95	8.6	8.6	8.8	8.60	11.9	41.0	.70
1615.0	23:48	122.0	22	95	8.6	8.6	8.9	8.60	11.9	25.5	1.04
1620.0	23:49	510.0	17	95	8.6	8.6	8.9	8.60	11.9	49.0	.61
125											
1625.0	23:49	488.0	13	95	8.6	8.6	8.9	8.60	11.9	54.2	.59
1630.0	23:49	378.0	11	90	8.6	8.6	8.9	8.60	11.9	55.7	.62
1635.0	23:56	308.0	30	90	8.6	8.6	8.8	8.60	11.9	29.0	.84
1640.0	23:57	442.0	42	90	8.6	8.6	8.9	8.60	11.9	26.8	.80
1645.0	23:58	318.0	41	90	8.6	8.6	8.9	8.60	11.9	23.6	.90
1650.0	23:58	272.0	40	90	8.6	8.6	8.9	8.60	11.9	23.0	.94
1655.0	23:59	469.0	42	90	8.6	8.6	8.9	8.60	11.9	28.9	.77
1660.0	0:14	312.5	40	90	8.6	8.6	8.7	8.60	11.9	22.5	.91
1665.0	0:15	405.0	45	90	8.6	8.6	8.7	8.60	11.9	21.6	.86
1670.0	0:15	475.6	35	86	8.6	8.6	8.7	8.60	12.0	30.0	.74
138											
1675.0	0:16	538.0	31	86	8.6	8.6	8.7	8.60	12.0	34.2	.68
1680.0	0:16	458.5	30	86	8.6	8.6	8.8	8.60	12.0	33.9	.71
1685.0	0:17	358.2	30	86	8.6	8.6	8.8	8.60	12.0	31.5	.78
1690.0	0:17	358.0	30	86	8.6	8.6	8.8	8.60	12.0	32.0	.78
1695.0	0:21	317.0	31	86	8.6	8.6	8.8	8.60	12.0	30.2	.82
1700.0	0:21	382.0	26	86	8.6	8.6	8.9	8.60	12.0	36.1	.73
1705.0	0:22	302.4	25	88	8.6	8.6	8.9	8.60	12.0	34.0	.81
1710.0	0:22	264.7	23	89	8.6	8.6	8.9	8.60	12.0	35.7	.81
1715.0	0:30	397.2	33	89	8.6	8.6	9.1	8.60	12.0	33.0	.76
1720.0	0:31	584.4	32	89	8.6	8.6	9.0	8.60	12.0	36.6	.68
152											
1725.0	0:32	533.4	32	89	8.6	8.6	9.1	8.60	12.0	36.9	.67
1730.0	0:32	685.7	35	89	8.6	8.6	9.0	8.60	12.0	38.0	.61
1735.0	0:33	265.2	38	92	8.6	8.6	9.0	8.60	12.0	24.9	.94
1740.0	0:35	189.3	36	95	8.6	8.6	9.0	8.60	12.0	20.8	1.05
1745.0	0:37	290.7	29	95	8.6	8.6	9.1	8.60	12.0	30.0	.88
1750.0	0:38	226.1	32	93	8.6	8.6	9.4	8.60	12.0	30.7	.90
1755.0	0:39	459.1	35	91	8.6	8.6	8.9	8.60	12.1	31.1	.75
1760.0	1: 9	255.2	39	91	8.6	8.6	8.9	8.60	12.1	22.8	.95
1765.0	1:10	221.8	42	91	8.6	8.6	8.7	8.60	12.1	16.6	1.06
1770.0	1:11	235.0	46	94	8.6	8.6	8.7	8.60	12.1	15.0	1.08
179											
1775.0	1:12	399.0	43	95	8.6	8.6	8.7	8.60	12.1	23.6	.87
1780.0	1:13	552.1	40	95	8.6	8.6	8.8	8.60	12.1	29.6	.74
1785.0	1:22	248.6	43	95	8.6	8.6	8.8	8.60	12.1	18.7	1.02
1790.0	1:23	321.1	40	95	8.6	8.6	8.8	8.60	12.1	23.0	.93
1795.0	1:24	234.0	43	99	8.6	8.6	8.9	8.60	12.1	18.8	1.04
1800.0	1:26	223.3	39	100	8.6	8.6	8.9	8.60	12.1	20.4	1.03
1805.0	1:27	223.6	37	100	8.6	8.6	8.9	8.60	12.1	20.8	1.03
1810.0	1:35	170.3	33	96	8.6	8.6	8.8	8.60	12.1	20.4	1.06
1815.0	1:37	183.0	42	95	8.6	8.6	8.8	8.60	12.1	16.1	1.11
1820.0	1:38	237.8	42	98	8.6	8.6	8.9	8.60	12.1	19.6	1.03
208											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
208											
1825.0	1:39	300.9	42	100	8.6	8.6	8.9	8.60	12.1	22.1	.96
1830.0	1:40	366.9	38	100	8.6	8.6	8.9	8.60	12.1	27.2	.86
1835.0	1:41	386.7	41	100	8.6	8.6	8.9	8.60	12.1	25.7	.87
1840.0	1:42	367.7	38	95	8.6	8.6	8.9	8.60	12.1	27.3	.85
1845.0	1:50	241.8	33	95	8.6	8.6	8.9	8.60	12.2	25.2	.95
1850.0	1:51	360.2	42	95	8.6	8.6	8.9	8.60	12.2	23.2	.94
1855.0	1:52	283.7	40	95	8.6	8.6	8.9	8.60	12.2	23.8	.94
1860.0	1:53	404.4	41	100	8.6	8.6	9.0	8.60	12.2	27.5	.85
1865.0	1:54	353.5	41	100	8.6	8.6	8.9	8.60	12.2	25.7	.89
1870.0	1:55	329.7	38	100	8.6	8.6	9.0	8.60	12.2	27.2	.90
231											
1875.0	2: 3	316.1	38	100	8.6	8.6	8.8	8.60	12.2	22.4	.97
1880.0	2: 4	466.4	30	100	8.6	8.6	8.8	8.60	12.2	34.7	.75
1885.0	2: 6	349.0	31	100	8.6	8.6	8.9	8.60	12.2	29.5	.87
1890.0	2: 6	585.4	33	98	8.6	8.6	8.9	8.60	12.2	35.9	.69
1895.0	2: 6	592.0	34	98	8.6	8.6	8.9	8.60	12.2	35.4	.69
1900.0	2: 7	485.1	31	98	8.6	8.6	8.9	8.60	12.2	35.4	.73
1910.0	2:24	349.2	34	98	8.6	8.6	8.8	8.60	12.2	29.0	.85
1915.0	2:26	270.9	37	98	8.6	8.6	8.7	8.60	12.2	22.6	.97
1920.0	2:27	303.9	36	100	8.6	8.6	8.7	8.60	12.2	24.3	.93
1925.0	2:27	357.8	37	100	8.6	8.6	8.7	8.60	12.2	25.3	.90
251											
1930.0	2:28	509.3	35	100	8.6	8.6	8.8	8.60	12.2	30.1	.80
1935.0	2:41	389.7	35	100	8.6	8.6	8.8	8.60	12.3	28.7	.84
1940.0	2:41	856.9	40	100	8.6	8.6	8.8	8.60	12.3	35.2	.62
1945.0	2:42	240.1	39	100	8.6	8.6	8.8	8.60	12.3	20.7	1.03
1950.0	2:44	263.1	39	100	8.6	8.6	8.8	8.60	12.3	21.4	1.01
1955.0	2:46	328.2	37	100	8.6	8.6	8.8	8.60	12.3	25.5	.91
1960.0	2:46	277.2	40	95	8.6	8.6	8.8	8.60	12.3	21.8	.98
1965.0	2:49	160.2	36	90	8.6	8.6	9.7	8.60	12.3	30.2	1.00
1970.0	2:57	149.7	32	90	8.6	8.6	8.8	8.60	12.3	21.3	1.07
1975.0	2:59	173.6	30	90	8.6	8.6	8.8	8.60	12.3	25.0	1.00
273											
1980.0	3: 0	194.2	31	90	8.6	8.6	8.8	8.60	12.3	25.5	.98
1985.0	3: 1	257.1	29	93	8.6	8.6	8.9	8.60	12.3	30.1	.89
1990.0	3: 2	240.5	32	95	8.6	8.6	8.9	8.60	12.3	26.8	.94
1995.0	3: 3	238.2	28	95	8.6	8.6	8.9	8.60	12.3	29.4	.92
2000.0	3: 3	222.0	25	95	8.6	8.6	8.9	8.60	12.3	31.9	.90
2005.0	3:12	244.9	33	95	8.6	8.6	8.8	8.60	12.3	26.0	.95
2010.0	3:13	275.2	33	98	8.6	8.6	8.8	8.60	12.3	27.0	.92
2015.0	3:14	367.7	33	100	8.6	8.6	8.7	8.60	12.3	28.5	.85
2020.0	3:14	301.0	39	100	8.6	8.6	8.7	8.60	12.3	23.2	.95
2025.0	3:15	317.5	33	100	8.6	8.6	8.7	8.60	12.3	27.6	.89
291											
2030.0	3:16	395.5	33	100	8.6	8.6	8.7	8.60	12.4	30.1	.83
2035.0	3:27	307.2	33	100	8.6	8.6	8.7	8.60	12.4	27.6	.90
2040.0	3:28	338.4	35	100	8.6	8.6	8.8	8.60	12.4	27.8	.88
2045.0	3:29	311.4	36	100	8.6	8.6	8.8	8.60	12.4	26.2	.92
2050.0	3:29	241.7	35	100	8.6	8.6	8.8	8.60	12.4	24.0	1.00
2055.0	3:30	369.5	34	100	8.6	8.6	8.8	8.60	12.4	28.7	.88
2060.0	3:31	535.6	35	100	8.6	8.6	8.9	8.60	12.4	34.6	.73
2065.0	3:32	271.2	33	98	8.6	8.6	9.0	8.60	12.4	29.0	.92
2070.0	3:42	214.7	37	97	8.6	8.6	8.9	8.60	12.4	23.5	1.02
2075.0	3:43	251.3	37	99	8.6	8.6	9.1	8.60	12.4	26.4	.96
318											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
318											
2080.0	3:44	222.5	37	100	8.6	8.6	8.9	8.60	12.4	23.8	1.01
2085.0	3:45	185.9	32	100	8.6	8.6	8.9	8.60	12.4	23.9	1.05
2090.0	3:54	111.0	31	100	8.6	8.6	8.8	8.60	12.4	16.5	1.19
2095.0	3:54	481.0	42	100	8.6	8.6	8.8	8.60	12.4	28.0	.82
2100.0	3:55	401.0	40	96	8.6	8.6	8.8	8.60	12.4	27.7	.85
2105.0	3:56	486.4	36	96	8.6	8.6	8.9	8.60	12.4	33.4	.75
2110.0	3:56	450.4	40	96	8.6	8.6	9.0	8.60	12.4	30.6	.80
2115.0	3:57	476.1	35	96	8.6	8.6	8.9	8.60	12.4	34.2	.75
2120.0	3:57	334.0	34	96	8.6	8.6	9.0	8.60	12.4	30.9	.85
2125.0	3:58	249.2	34	96	8.6	8.6	9.0	8.60	12.4	27.6	.95
334											
2130.0	4: 7	220.0	34	97	8.6	8.6	9.0	8.60	12.5	25.9	.99
2135.0	4: 8	268.4	35	98	8.6	8.6	8.9	8.60	12.5	26.2	.95
2140.0	4: 9	243.5	31	98	8.6	8.6	9.1	8.60	12.5	31.0	.92
2145.0	4:10	260.6	38	98	8.6	8.6	9.0	8.60	12.5	26.5	.95
2150.0	4:10	214.4	35	98	8.6	8.6	9.3	8.60	12.5	28.8	.96
2155.0	4:11	275.2	34	97	8.6	8.6	9.1	8.60	12.5	29.6	.91
2160.0	4:12	274.5	28	96	8.6	8.6	9.0	8.60	12.5	33.5	.86
2165.0	4:20	344.3	39	96	8.6	8.6	8.8	8.60	12.5	27.0	.89
2170.0	4:21	351.6	39	96	8.6	8.6	9.0	8.60	12.5	29.9	.86
2175.0	4:23	244.7	38	96	8.6	8.6	9.0	8.60	12.5	24.8	.99
363											
2180.0	4:23	385.7	37	96	8.6	8.6	9.0	8.60	12.5	31.6	.82
2185.0	4:24	365.3	39	99	8.6	8.6	9.4	8.60	12.5	33.7	.83
2190.0	4:25	351.8	36	100	8.6	8.6	9.0	8.60	12.5	30.7	.86
2195.0	4:34	223.7	35	100	8.6	8.6	8.8	8.60	12.5	24.4	1.01
2200.0	4:35	437.1	36	100	8.6	8.6	8.9	8.60	12.5	32.1	.80
2205.0	4:36	281.4	36	100	8.6	8.6	9.0	8.60	12.5	27.2	.95
2210.0	4:37	301.0	26	100	8.6	8.6	9.0	8.60	12.5	36.5	.83
2215.0	4:37	281.0	16	100	8.6	8.6	9.0	8.60	12.5	46.3	.76
2220.0	4:38	271.4	32	100	8.6	8.6	9.0	8.60	12.5	31.0	.91
2225.0	4:48	301.4	34	100	8.6	8.6	8.9	8.60	12.5	29.9	.90
385											
2230.0	4:48	335.1	38	100	8.6	8.6	8.8	8.60	12.6	28.1	.90
2235.0	4:51	282.6	37	100	8.6	8.6	9.0	8.60	12.6	28.4	.93
2240.0	4:51	221.0	35	100	8.6	8.6	9.1	8.60	12.6	28.4	.97
2245.0	4:52	208.6	38	100	8.6	8.6	8.9	8.60	12.6	24.0	1.04
2250.0	4:53	232.0	33	100	8.6	8.6	8.9	8.60	12.6	28.1	.97
2255.0	5: 1	197.0	28	100	8.6	8.6	8.8	8.60	12.6	28.0	.98
2260.0	5: 2	232.5	38	100	8.6	8.6	8.8	8.60	12.6	23.7	1.02
2265.0	5: 2	387.7	40	100	8.6	8.6	8.8	8.60	12.6	28.5	.88
2270.0	5: 3	592.1	37	100	8.6	8.6	8.8	8.60	12.6	35.6	.71
2275.0	5: 4	432.9	35	100	8.6	8.6	8.9	8.60	12.6	32.5	.82
400											
2280.0	5: 4	248.0	37	100	8.6	8.6	9.0	8.60	12.6	27.6	.96
2285.0	5:12	245.7	35	112	8.6	8.6	9.0	8.60	12.6	27.3	.99
2290.0	5:13	371.7	39	112	8.6	8.6	8.8	8.60	12.6	28.4	.91
2295.0	5:14	352.0	36	112	8.6	8.6	8.8	8.60	12.6	29.3	.91
2300.0	5:15	354.7	37	106	8.6	8.6	8.9	8.60	12.6	29.4	.89
2305.0	5:16	282.6	38	99	8.6	8.6	9.0	8.60	12.6	29.0	.93
2310.0	5:17	389.5	37	99	8.6	8.6	9.1	8.60	12.6	34.1	.81
2315.0	5:26	235.4	35	99	8.6	8.6	8.9	8.60	12.6	26.8	.99
2320.0	5:27	276.6	35	99	8.6	8.6	8.8	8.60	12.6	28.0	.94
2325.0	5:28	241.6	36	99	8.6	8.6	8.9	8.60	12.6	25.6	1.01
425											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	425										
2330.0	5:29	284.9	35	100	8.6	8.6	9.0	8.60	12.6	29.7	.92
2335.0	5:39	251.5	34	104	8.6	8.6	9.0	8.60	12.7	28.6	.96
2340.0	5:39	261.0	35	112	8.6	8.6	8.8	8.60	12.7	26.2	.99
2345.0	5:40	289.0	35	112	8.6	8.6	8.8	8.60	12.7	27.2	.97
2350.0	5:40	351.1	31	112	8.6	8.6	9.0	8.60	12.7	34.5	.85
2355.0	5:41	262.7	34	112	8.6	8.6	9.0	8.60	12.7	28.6	.97
2360.0	5:41	537.4	34	112	8.6	8.6	8.9	8.60	12.7	35.8	.76
2365.0	5:42	343.0	31	112	8.6	8.6	9.0	8.60	12.7	34.2	.86
2370.0	5:43	331.0	32	112	8.6	8.6	9.0	8.60	12.7	32.7	.88
2375.0	5:44	218.9	33	112	8.6	8.6	8.9	8.60	12.7	27.5	1.01
	441										
2380.0	5:55	232.5	31	112	8.6	8.6	8.9	8.60	12.7	29.0	.98
2385.0	5:56	273.7	36	119	8.6	8.6	8.8	8.60	12.7	26.6	1.00
2390.0	5:58	163.1	35	125	8.6	8.6	9.0	8.60	12.7	21.8	1.16
2395.0	5:59	187.6	35	125	8.6	8.6	9.1	8.60	12.7	24.7	1.10
2400.0	6: 0	212.2	35	125	8.6	8.6	8.9	8.60	12.7	24.2	1.08
2405.0	6: 1	250.6	35	125	8.6	8.6	9.0	8.60	12.7	27.0	1.02
2410.0	6: 1	297.9	34	125	8.6	8.6	8.8	8.60	12.7	27.9	.98
2415.0	6:10	281.8	35	125	8.6	8.6	8.8	8.60	12.7	26.5	1.00
2420.0	6:11	185.9	37	121	8.6	8.6	9.0	8.60	12.7	23.3	1.11
2425.0	6:12	275.0	36	116	8.6	8.6	8.9	8.60	12.7	27.6	.98
	463										
2430.0	6:12	207.0	32	116	8.6	8.6	8.9	8.60	12.7	27.0	1.04
2435.0	6:13	306.0	36	116	8.6	8.6	9.3	8.60	12.7	33.1	.91
2440.0	6:13	272.1	36	116	8.6	8.6	8.9	8.60	12.7	27.2	.99
2445.0	6:25	273.5	29	118	8.6	8.6	8.8	8.60	12.8	32.0	.94
2450.0	6:26	332.0	26	118	8.6	8.6	8.8	8.60	12.8	35.5	.87
2455.0	6:27	216.7	25	118	8.6	8.6	8.8	8.60	12.8	31.5	.98
2460.0	6:27	179.0	22	118	8.6	8.6	8.8	8.60	12.8	32.4	1.00
2465.0	6:28	237.4	30	115	8.6	8.6	8.9	8.60	12.8	29.8	.98
2470.0	6:29	265.4	27	111	8.6	8.6	9.2	8.60	12.8	36.5	.88
2475.0	6:31	266.9	29	111	8.6	8.6	8.9	8.60	12.8	32.8	.92
	483										
2480.0	6:48	213.7	31	111	8.6	8.6	8.8	8.60	12.8	27.6	1.02
2485.0	6:49	303.1	32	116	8.6	8.6	8.8	8.60	12.8	30.0	.94
2490.0	6:49	363.7	30	118	8.6	8.6	8.8	8.60	12.8	33.8	.87
2495.0	6:50	362.0	34	118	8.6	8.6	8.8	8.60	12.8	31.3	.90
2500.0	6:51	325.1	32	118	8.6	8.6	8.8	8.60	12.8	30.5	.92
2505.0	7: 5	199.2	31	123	8.6	8.6	8.8	8.60	12.8	25.8	1.07
2510.0	7: 7	219.5	34	123	8.6	8.6	8.8	8.60	12.8	24.4	1.09
2515.0	7: 8	244.8	32	123	8.6	8.6	8.9	8.60	12.8	28.0	1.01
2520.0	7: 9	181.6	32	122	8.6	8.6	8.9	8.60	12.8	24.8	1.10
2525.0	7:12	226.5	31	116	8.6	8.6	8.8	8.60	12.8	28.1	1.02
	516										
2530.0	7:13	298.4	26	116	8.6	8.6	8.8	8.60	12.8	34.4	.89
2535.0	7:19	213.6	29	116	8.6	8.6	8.8	8.60	12.8	27.8	1.02
2540.0	7:20	225.0	33	116	8.6	8.6	8.9	8.60	12.8	27.5	1.02
2545.0	7:22	156.7	33	119	8.6	8.6	8.9	8.60	12.8	23.5	1.14
2550.0	7:23	288.7	31	120	8.6	8.6	8.9	8.60	12.8	30.6	.97
2555.0	7:24	353.4	31	120	8.6	8.6	8.9	8.60	12.9	33.1	.89
2560.0	7:25	471.9	33	120	8.6	8.6	8.9	8.60	12.9	35.8	.81
2565.0	7:26	385.6	34	123	8.6	8.6	8.9	8.60	12.9	32.6	.89
2570.0	7:38	261.8	33	125	8.6	8.6	8.9	8.60	12.9	27.9	1.02
2575.0	7:41	181.0	34	125	8.6	8.6	8.8	8.60	12.9	23.2	1.13
	537										

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
537											
2580.0	7:41	214.0	32	125	8.6	8.6	8.9	8.60	12.9	26.9	1.05
2585.0	7:43	221.7	33	126	8.6	8.6	8.8	8.60	12.9	25.5	1.08
2590.0	7:45	255.0	34	127	8.6	8.6	8.9	8.60	12.9	27.5	1.02
2595.0	7:47	164.0	33	127	8.6	8.6	8.9	8.60	12.9	23.0	1.16
2600.0	7:49	156.6	35	127	8.6	8.6	8.8	8.60	12.9	20.6	1.20
2625.0	8:33	167.0	30	127	8.6	8.6	8.7	8.60	12.9	23.8	1.14
2650.0	8:33	177.0	31	127	8.6	8.6	8.8	8.60	12.9	25.2	1.11
2660.0	8:34	183.0	29	128	8.6	8.6	8.8	8.60	12.9	26.7	1.09
2665.0	8:34	205.7	28	128	8.6	8.6	8.8	8.60	12.9	28.9	1.04
2670.0	8:35	158.5	27	128	8.6	8.6	8.8	8.60	13.0	27.0	1.11
559											
2675.0	8:37	165.7	26	128	8.6	8.6	8.8	8.60	13.0	27.7	1.10
2680.0	8:39	166.5	29	128	8.6	8.6	8.9	8.60	13.0	26.4	1.11
2685.0	8:41	158.7	35	128	8.6	8.6	8.9	8.60	13.0	22.0	1.18
2690.0	8:45	146.4	30	128	8.6	8.6	9.2	8.60	13.0	26.9	1.13
2700.0	8:55	162.3	34	128	8.6	8.6	9.2	8.60	13.0	25.7	1.14
2705.0	8:57	130.8	30	132	8.6	8.6	8.8	8.60	13.0	22.8	1.20
2710.0	8:59	162.1	34	132	8.6	8.6	8.8	8.60	13.0	22.2	1.19
2715.0	9: 1	148.8	32	132	8.6	8.6	8.8	8.60	13.0	22.8	1.19
2720.0	9: 4	137.1	34	132	8.6	8.6	8.8	8.60	13.0	20.7	1.23
2725.0	9: 7	138.8	35	126	8.6	8.6	8.8	8.60	13.0	20.8	1.22
604											
2730.0	9:16	114.3	34	126	8.6	8.6	8.8	8.60	13.0	19.5	1.27
2735.0	9:18	145.4	33	126	8.6	8.6	8.8	8.60	13.0	21.9	1.20
2740.0	9:20	117.5	33	126	8.6	8.6	8.8	8.60	13.0	20.0	1.26
2745.0	9:23	130.1	34	127	8.6	8.6	8.8	8.60	13.0	20.2	1.24
2750.0	9:26	136.5	37	128	8.6	8.6	8.8	8.60	13.0	19.2	1.25
2755.0	9:28	160.8	34	128	8.6	8.6	8.8	8.60	13.0	21.9	1.19
2760.0	9:36	142.6	34	128	8.6	8.6	8.8	8.60	13.0	21.3	1.22
2765.0	9:39	122.9	39	128	8.6	8.6	8.8	8.60	13.0	17.4	1.30
2770.0	9:41	115.3	34	128	8.6	8.6	8.8	8.60	13.0	19.6	1.27
2775.0	9:44	114.9	29	128	8.6	8.6	8.8	8.60	13.0	22.0	1.23
650											
2780.0	9:48	84.4	31	128	8.6	8.6	8.8	8.60	13.0	17.5	1.35
2785.0	9:51	105.5	33	118	8.6	8.6	8.8	8.60	13.0	19.3	1.28
2790.0	9:54	111.0	30	116	8.6	8.6	8.8	8.60	13.1	22.5	1.22
2795.0	10: 7	93.4	32	116	8.6	8.6	8.7	8.60	13.1	18.3	1.31
2800.0	10:10	108.9	33	121	8.6	8.6	8.7	8.60	13.1	18.2	1.31
2805.0	10:13	102.4	32	132	8.6	8.6	8.7	8.60	13.1	18.8	1.31
2810.0	10:16	79.1	32	132	8.6	8.6	8.7	8.60	13.1	15.7	1.39
2815.0	10:20	93.0	34	132	8.6	8.6	8.7	8.60	13.1	16.4	1.36
2820.0	10:28	128.1	33	132	8.6	8.6	8.7	8.60	13.1	20.6	1.25
2825.0	10:31	98.0	33	124	8.6	8.6	8.8	8.60	13.1	18.6	1.31
694											
2830.0	10:33	136.9	34	123	8.6	8.6	8.8	8.60	13.1	21.2	1.23
2835.0	10:36	100.8	31	123	8.6	8.6	8.8	8.60	13.1	20.7	1.27
2840.0	10:39	96.6	29	123	8.6	8.6	8.8	8.60	13.1	21.6	1.27
2845.0	10:44	66.1	29	126	8.6	8.6	8.8	8.60	13.1	17.2	1.39
2850.0	10:48	78.9	31	125	8.6	8.6	8.8	8.60	13.1	17.6	1.36
2855.0	10:59	97.4	31	123	8.6	8.6	8.7	8.60	13.1	19.6	1.31
2860.0	11: 1	147.9	31	123	8.6	8.6	8.7	8.60	13.1	24.7	1.16
2865.0	11: 3	176.6	31	102	8.6	8.6	8.8	8.60	13.1	27.7	1.07
2870.0	11: 4	193.0	31	102	8.6	8.6	8.8	8.60	13.1	29.1	1.03
2875.0	11: 6	178.9	34	102	8.6	8.6	8.8	8.60	13.1	26.5	1.08
737											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
	737										
2880.0	11:15	145.4	32	102	8.6	8.6	8.8	8.60	13.1	24.6	1.15
2885.0	11:17	186.6	37	104	8.6	8.6	8.8	8.60	13.1	25.2	1.09
2890.0	11:19	153.7	35	104	8.6	8.6	8.8	8.60	13.1	24.5	1.13
2895.0	11:21	158.3	35	104	8.6	8.6	8.8	8.60	13.1	24.6	1.13
2900.0	11:25	156.1	31	104	8.6	8.6	8.8	8.60	13.1	26.8	1.10
2905.0	11:27	154.2	38	104	8.6	8.6	8.8	8.60	13.1	23.3	1.15
2910.0	11:28	172.9	33	104	8.6	8.6	8.8	8.60	13.1	27.1	1.08
2912.0	11:28	133.4	33	104	8.6	8.6	8.9	8.60	13.2	25.3	1.14
				NEW BIT ID:	3						
2915.0	2:43	64.1	13	67	8.7	8.7	8.8	8.60	13.2	33.7	1.08
2920.0	2:46	77.6	21	82	8.7	8.7	8.8	8.60	13.2	22.4	1.22
	772										
2925.0	2:46	55.7	20	82	8.7	8.7	8.9	8.60	13.2	20.0	1.30
2930.0	2:47	80.5	20	83	8.7	8.7	8.9	8.60	13.2	24.3	1.19
2940.0	2:52	101.9	19	86	8.7	8.7	8.9	8.60	13.2	26.1	1.16
2945.0	2:57	55.1	14	87	8.7	8.7	8.9	8.60	13.2	27.1	1.22
2950.0	3:55	119.2	18	103	8.7	8.7	8.9	8.60	13.2	27.8	1.15
2955.0	3:56	175.1	24	114	8.7	8.7	8.8	8.60	13.2	26.1	1.12
2960.0	3:58	176.5	25	114	8.7	8.7	8.8	8.60	13.2	25.5	1.12
2965.0	4: 0	139.5	22	115	8.7	8.7	8.9	8.60	13.2	25.2	1.16
2970.0	4:11	106.5	22	90	8.7	8.7	8.9	8.60	13.2	25.2	1.17
2975.0	4:13	123.7	22	98	8.7	8.7	8.9	8.60	13.2	25.5	1.16
	810										
2980.0	4:15	163.3	28	96	8.7	8.7	8.9	8.60	13.2	24.0	1.14
2985.0	4:17	143.5	27	97	8.7	8.7	8.9	8.60	13.2	23.4	1.17
2990.0	4:19	150.5	27	97	8.7	8.7	8.9	8.60	13.2	24.3	1.14
2995.0	4:21	181.3	24	99	8.7	8.7	8.9	8.60	13.2	28.8	1.05
3000.0	4:29	146.2	24	78	8.7	8.7	8.9	8.60	13.2	29.1	1.04
3005.0	4:30	140.3	23	106	8.7	8.7	8.9	8.60	13.2	26.7	1.14
3010.0	4:32	163.5	26	107	8.7	8.7	8.9	8.60	13.2	26.0	1.13
3015.0	4:34	150.2	25	104	8.7	8.7	8.9	8.60	13.2	26.0	1.14
3020.0	4:36	136.1	25	103	8.7	8.7	8.9	8.60	13.2	24.8	1.18
3025.0	4:38	143.2	24	103	8.7	8.7	8.9	8.60	13.2	26.1	1.15
	854										
3030.0	4:41	138.6	25	103	8.7	8.7	8.9	8.60	13.2	25.5	1.16
3035.0	4:49	132.7	25	104	8.7	8.7	8.9	8.60	13.2	24.7	1.18
3040.0	4:51	141.2	23	109	8.7	8.7	8.9	8.60	13.2	26.3	1.16
3045.0	4:53	149.4	23	109	8.7	8.7	8.9	8.60	13.3	27.1	1.14
3050.0	4:57	89.7	24	110	8.7	8.7	8.9	8.60	13.3	19.8	1.34
3055.0	4:59	163.4	33	110	8.7	8.7	8.9	8.60	13.3	20.7	1.23
3060.0	5: 0	176.0	36	112	8.7	8.7	8.9	8.60	13.3	20.0	1.24
3065.0	5: 2	163.1	34	112	8.7	8.7	8.9	8.60	13.3	20.5	1.24
3070.0	5:10	147.9	33	99	8.7	8.7	8.9	8.60	13.3	21.3	1.22
3075.0	5:12	158.6	33	108	8.7	8.7	8.9	8.60	13.3	21.2	1.23
	890										
3080.0	5:14	158.2	32	109	8.7	8.7	8.9	8.60	13.3	21.8	1.22
3085.0	5:16	159.0	32	109	8.7	8.7	8.9	8.60	13.3	21.6	1.23
3090.0	5:18	140.6	30	110	8.7	8.7	8.9	8.60	13.3	22.0	1.24
3095.0	5:20	145.1	31	109	8.7	8.7	8.9	8.60	13.3	21.3	1.25
3100.0	5:22	131.3	32	109	8.7	8.7	8.9	8.60	13.3	20.1	1.28
3105.0	5:34	80.1	28	65	8.7	8.7	8.9	8.60	13.3	22.1	1.25
3110.0	5:36	175.3	37	105	8.7	8.7	8.9	8.60	13.3	20.7	1.23

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	922										
3115.0	5:38	175.1	34	112	8.7	8.7	8.9	8.60	13.3	21.8	1.23
3120.0	5:40	183.9	32	113	8.7	8.7	8.9	8.60	13.3	23.3	1.19
3125.0	5:41	161.6	32	113	8.7	8.7	8.9	8.60	13.3	22.2	1.23
3130.0	5:43	160.8	31	114	8.7	8.7	8.9	8.60	13.3	22.9	1.22
3135.0	5:51	150.0	34	92	8.7	8.7	8.9	8.60	13.3	23.0	1.19
3140.0	5:53	186.4	35	114	8.7	8.7	8.9	8.60	13.3	22.6	1.21
3145.0	5:54	178.7	34	116	8.7	8.7	8.9	8.60	13.3	22.3	1.22
3150.0	5:56	173.6	33	117	8.7	8.7	8.9	8.60	13.3	22.8	1.22
3155.0	5:58	203.3	34	116	8.7	8.7	8.9	8.60	13.3	23.5	1.18
3160.0	5:59	185.0	33	116	8.7	8.7	8.9	8.60	13.3	23.3	1.20
	958										
3165.0	6: 9	147.8	27	97	8.7	8.7	8.9	8.60	13.3	27.5	1.13
3170.0	6:11	155.4	36	112	8.7	8.7	8.9	8.60	13.3	20.4	1.28
3175.0	6:15	107.5	36	114	8.7	8.7	8.9	8.60	13.4	13.1	1.52
3180.0	6:17	156.0	35	113	8.7	8.7	8.9	8.60	13.4	20.4	1.28
3185.0	6:20	134.5	35	115	8.7	8.7	8.9	8.60	13.4	17.7	1.37
3190.0	6:21	190.5	35	114	8.7	8.7	8.9	8.60	13.4	23.0	1.20
3195.0	6:33	138.2	35	107	8.7	8.7	8.9	8.60	13.4	20.1	1.29
3200.0	6:40	50.9	36	110	8.7	8.7	8.9	8.60	13.4	7.8	1.69
3205.0	6:44	88.1	35	109	8.7	8.7	8.9	8.60	13.4	14.4	1.47
3210.0	6:45	158.1	35	109	8.7	8.7	8.9	8.60	13.4	20.9	1.26
	999										
3215.0	6:48	141.1	38	108	8.7	8.7	8.9	8.60	13.4	18.3	1.33
3220.0	6:50	162.6	34	109	8.7	8.7	8.9	8.60	13.4	21.8	1.24
3225.0	7: 5	117.6	33	90	8.7	8.7	8.9	8.60	13.4	21.1	1.26
3230.0	7: 7	115.6	35	112	8.8	8.8	8.8	8.60	13.4	17.4	1.38
3235.0	7: 9	137.8	34	113	8.9	8.9	8.9	8.60	13.4	19.8	1.31
3240.0	7:12	124.0	32	114	8.9	8.9	8.9	8.60	13.4	19.9	1.33
3245.0	7:13	103.6	29	113	8.9	8.9	8.9	8.60	13.4	20.9	1.33
3250.0	7:21	107.1	30	95	8.9	8.9	9.1	8.60	13.4	23.3	1.26
3255.0	7:22	123.7	33	107	8.9	8.9	9.1	8.60	13.4	21.8	1.28
3260.0	7:24	121.6	33	107	8.9	8.9	9.1	8.60	13.4	21.4	1.29
	1036										
3265.0	7:27	108.7	34	108	8.9	8.9	9.1	8.60	13.4	20.0	1.33
3270.0	7:30	108.1	33	108	8.9	8.9	9.1	8.60	13.4	20.1	1.34
3275.0	7:33	100.9	33	108	8.9	8.9	9.1	8.60	13.4	19.9	1.35
3280.0	7:36	107.2	32	109	8.9	8.9	9.1	8.60	13.4	20.9	1.32
3285.0	7:53	88.7	31	91	8.9	8.9	9.1	8.60	13.4	22.7	1.28
3290.0	7:56	87.4	31	89	8.9	8.9	9.0	8.60	13.4	20.6	1.32
3295.0	8: 0	76.2	33	90	8.9	8.9	9.1	8.60	13.4	17.4	1.41
3300.0	8: 3	105.0	32	94	8.9	8.9	9.1	8.60	13.4	21.6	1.29
3305.0	8: 7	93.6	30	95	8.9	8.9	9.1	8.60	13.4	21.8	1.31
3310.0	8:10	86.6	32	95	8.9	8.9	9.1	8.60	13.4	20.1	1.35
	1085										
3315.0	8:14	77.9	31	103	8.9	8.9	9.1	8.60	13.5	19.1	1.39
3320.0	8:23	78.5	26	63	8.9	8.9	9.1	8.60	13.5	26.7	1.17
3325.0	8:29	65.6	32	89	8.9	8.9	9.1	8.60	13.5	15.7	1.48
3330.0	8:33	95.5	31	92	8.9	8.9	9.1	8.60	13.5	21.5	1.31
3335.0	8:37	79.3	29	93	8.9	8.9	9.1	8.60	13.5	21.0	1.34
3340.0	8:39	116.4	32	93	8.9	8.9	9.1	8.60	13.5	23.0	1.26
3345.0	8:42	106.5	34	92	8.9	8.9	9.1	8.60	13.5	21.6	1.29
3350.0	8:46	87.0	31	92	8.9	8.9	9.1	8.60	13.5	21.2	1.33
3355.0	8:53	104.0	30	91	8.9	8.9	9.1	8.60	13.5	24.1	1.25
3360.0	8:56	103.1	33	94	8.9	8.9	9.1	8.60	13.5	21.1	1.31
	1130										

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1130											
3365.0	8:59	97.4	32	95	8.9	8.9	9.1	8.60	13.5	21.3	1.32
3370.0	9: 2	113.2	33	103	8.9	8.9	9.1	8.60	13.5	21.6	1.31
3375.0	9: 5	98.8	34	103	8.9	8.9	9.1	8.60	13.5	19.9	1.36
3380.0	9: 8	118.9	33	103	8.9	8.9	9.1	8.60	13.5	22.5	1.28
3385.0	9:19	113.8	33	99	8.9	8.9	9.1	8.60	13.5	22.4	1.28
3390.0	9:22	114.4	33	101	8.9	8.9	9.1	8.60	13.5	21.9	1.30
3395.0	9:24	126.3	33	101	8.9	8.9	9.1	8.60	13.5	22.7	1.27
3400.0	9:27	105.0	34	101	8.9	8.9	9.1	8.60	13.5	20.7	1.33
3405.0	9:30	95.4	32	101	8.9	8.9	9.1	8.60	13.5	20.7	1.34
3410.0	9:39	86.3	32	95	8.9	8.9	9.1	8.60	13.5	20.7	1.35
1179											
3415.0	9:41	118.6	33	110	8.9	8.9	9.1	8.60	13.5	21.9	1.31
3420.0	9:44	102.2	32	108	8.9	8.9	9.1	8.60	13.5	21.0	1.34
3425.0	9:47	104.9	34	98	8.9	8.9	9.1	8.60	13.5	21.0	1.33
3430.0	9:50	119.4	32	113	8.9	8.9	9.1	8.60	13.5	22.3	1.31
3435.0	9:52	129.8	34	121	8.9	8.9	9.1	8.60	13.5	21.8	1.32
3440.0	9:54	128.5	33	124	8.9	8.9	9.1	8.60	13.5	22.2	1.32
3445.0	10:14	132.2	32	119	8.9	8.9	9.1	8.60	13.5	23.1	1.29
3450.0	10:17	100.4	32	122	8.9	8.9	9.0	8.60	13.5	19.8	1.39
3455.0	10:20	95.4	31	119	8.9	8.9	9.1	8.60	13.5	20.2	1.39
3460.0	10:23	87.5	31	115	8.9	8.9	9.1	8.60	13.6	19.8	1.40
1227											
3465.0	10:27	81.5	31	115	8.9	8.9	9.1	8.60	13.6	19.0	1.42
3470.0	10:30	92.8	31	115	8.9	8.9	9.1	8.60	13.6	20.7	1.38
3475.0	10:38	125.7	29	103	8.9	8.9	9.1	8.60	13.6	24.2	1.26
3480.0	10:41	104.8	30	120	8.9	8.9	9.0	8.60	13.6	20.5	1.34
3485.0	10:48	90.6	26	106	8.9	8.9	9.0	8.60	13.6	22.8	1.31
3490.0	10:50	127.0	33	119	8.9	8.9	9.1	8.60	13.6	22.3	1.31
3495.0	10:53	105.4	32	120	8.9	8.9	9.1	8.60	13.6	21.2	1.36
3500.0	10:56	104.6	32	121	8.9	8.9	9.1	8.60	13.6	21.4	1.36
3505.0	10:59	98.6	31	123	8.9	8.9	9.1	8.60	13.6	20.9	1.38
3510.0	11: 8	110.5	28	95	8.9	8.9	9.1	8.60	13.6	27.8	1.18
1273											
3515.0	11:11	90.6	30	118	8.9	8.9	9.1	8.60	13.6	21.1	1.38
3520.0	11:14	100.7	34	117	8.9	8.9	9.1	8.60	13.6	19.7	1.39
3525.0	11:17	106.9	33	117	8.9	8.9	9.1	8.60	13.6	20.6	1.37
3530.0	11:20	107.2	34	118	8.9	8.9	9.1	8.60	13.6	20.3	1.38
3535.0	11:23	102.7	32	119	8.9	8.9	9.1	8.60	13.6	20.8	1.37
3540.0	11:30	122.8	26	118	8.9	8.9	9.1	8.60	13.6	27.2	1.23
3545.0	11:33	105.7	32	123	8.9	8.9	9.1	8.60	13.6	21.0	1.37
3550.0	11:36	103.2	33	132	8.9	8.9	9.1	8.60	13.6	19.9	1.41
3555.0	11:39	103.4	32	134	8.9	8.9	9.1	8.60	13.6	20.1	1.41
3560.0	11:42	104.6	33	133	8.9	8.9	9.1	8.60	13.6	20.2	1.41
1320											
3565.0	11:45	109.0	34	132	8.9	8.9	9.1	8.60	13.6	20.0	1.41
3570.0	11:48	96.3	34	133	8.9	8.9	9.1	8.60	13.6	18.9	1.45
3575.0	11:58	80.0	32	135	8.9	8.9	9.1	8.60	13.6	17.9	1.49
3580.0	12: 0	117.7	31	137	8.9	8.9	9.1	8.60	13.6	21.7	1.37
3585.0	12: 3	107.3	32	135	8.9	8.9	9.1	8.60	13.6	20.6	1.40
3590.0	12: 6	120.6	35	133	9.0	8.9	9.1	8.60	13.6	20.7	1.38
3595.0	12: 9	121.9	35	132	9.0	9.3	9.1	8.60	13.6	20.6	1.39
3600.0	12:11	116.4	34	133	9.0	9.3	9.1	8.60	13.6	20.6	1.40
3605.0	12:18	117.1	32	129	9.0	9.1	9.1	8.60	13.6	22.0	1.36
3610.0	12:20	117.9	35	135	9.0	9.1	9.2	8.60	13.7	20.6	1.39
1363											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1363											
3615.0	12:23	118.9	35	133	9.0	9.1	9.2	8.60	13.7	21.0	1.38
3620.0	12:26	96.2	34	134	9.0	9.1	9.2	8.60	13.7	19.4	1.44
3625.0	12:29	108.3	35	134	9.1	9.1	9.2	8.60	13.7	20.1	1.41
3630.0	12:32	97.1	35	133	9.0	9.2	9.2	8.60	13.7	19.3	1.45
3635.0	12:46	78.7	32	132	9.0	9.2	9.2	8.60	13.7	18.8	1.47
3640.0	12:52	54.2	24	108	8.9	9.2	9.1	8.60	13.7	19.6	1.43
3645.0	12:57	64.1	27	109	8.8	9.2	9.0	8.60	13.7	18.9	1.43
3650.0	13: 2	63.2	27	108	8.9	9.2	9.0	8.60	13.7	19.1	1.43
3655.0	13: 8	98.5	32	129	9.0	9.3	9.1	8.60	13.7	19.7	1.42
3660.0	13:11	90.8	32	136	9.0	9.4	9.1	8.60	13.7	19.8	1.45
1413											
3665.0	13:19	93.5	32	123	9.1	9.4	9.2	8.60	13.7	21.2	1.40
3670.0	13:23	75.5	26	133	9.1	9.4	9.2	8.60	13.7	22.8	1.40
3675.0	13:26	89.0	27	133	9.1	9.3	9.2	8.60	13.7	23.5	1.37
3680.0	13:30	79.5	30	134	9.1	9.3	9.3	8.60	13.7	20.9	1.43
3685.0	13:33	90.9	31	134	9.1	9.4	9.3	8.60	13.7	21.5	1.41
3690.0	13:37	96.7	33	134	9.0	9.4	9.3	8.60	13.7	21.3	1.41
3695.0	13:40	80.1	33	135	9.0	9.4	9.3	8.60	13.7	19.5	1.47
3700.0	13:50	88.0	30	134	9.0	9.4	9.2	8.60	13.7	21.6	1.41
3705.0	13:53	112.7	31	138	9.0	9.3	9.2	8.60	13.7	23.1	1.36
3710.0	13:55	128.0	30	137	9.1	9.3	9.2	8.60	13.7	24.8	1.31
1462											
3715.0	13:58	117.3	31	139	9.1	9.3	9.2	8.60	13.7	23.2	1.36
3720.0	14: 0	132.4	33	138	9.1	9.3	9.2	8.60	13.7	23.8	1.33
3725.0	14: 3	105.7	30	133	9.1	9.3	9.2	8.60	13.7	23.5	1.35
3730.0	14:10	142.7	32	134	9.0	9.4	9.3	8.60	13.7	25.7	1.28
3735.0	14:13	97.7	30	141	9.0	9.4	9.3	8.60	13.7	22.4	1.40
3740.0	14:15	136.0	31	141	9.0	9.4	9.3	8.60	13.7	25.8	1.29
3745.0	14:18	139.8	31	141	9.2	9.3	9.2	8.60	13.7	26.0	1.28
3750.0	14:21	102.1	31	142	9.1	9.4	9.2	8.60	13.7	22.5	1.39
3755.0	14:24	102.3	31	142	9.1	9.4	9.3	8.60	13.7	22.4	1.39
3760.0	14:40	43.1	32	104	9.1	9.2	9.2	8.60	13.7	15.0	1.61
1507											
3765.0	14:44	85.1	33	135	9.0	9.2	9.1	8.60	13.7	19.1	1.48
3770.0	14:47	101.3	34	135	9.1	9.2	9.1	8.60	13.8	20.4	1.43
3775.0	14:50	112.5	32	135	9.0	9.2	9.2	8.60	13.8	23.0	1.36
3780.0	14:54	91.4	33	136	9.0	9.2	9.2	8.60	13.8	20.1	1.45
3785.0	14:57	101.1	32	137	9.0	9.1	9.2	8.60	13.8	21.9	1.40
3790.0	15: 6	102.0	29	136	9.1	9.2	9.2	8.60	13.8	24.0	1.35
3795.0	15: 9	95.9	29	138	9.0	9.2	9.2	8.60	13.8	23.4	1.38
3800.0	15:13	98.3	32	138	8.9	9.2	9.2	8.60	13.8	21.4	1.42
3805.0	15:17	75.6	30	134	9.0	9.1	9.2	8.60	13.8	20.0	1.47
3810.0	15:21	75.7	29	132	9.0	9.2	9.2	8.60	13.8	21.3	1.44
1555											
3815.0	15:25	75.5	30	132	9.0	9.2	9.2	8.60	13.8	20.8	1.45
3820.0	15:36	64.5	33	130	9.1	9.3	9.2	8.60	13.8	17.2	1.55
3825.0	15:39	92.2	34	135	9.0	9.2	9.2	8.60	13.8	20.2	1.45
3830.0	15:43	87.7	36	135	9.0	9.2	9.2	8.60	13.8	18.6	1.50
3835.0	15:46	87.0	35	137	9.0	9.2	9.2	8.60	13.8	18.8	1.49
3840.0	15:50	87 7	37	137	9.0	9.3	9.2	8.60	13.8	18.0	1.51
3845.0	15:54	71.9	35	139	9.0	9.3	9.2	8.60	13.8	17.0	1.56
3850.0	16: 8	62.7	35	136	9.0	9.3	9.2	8.60	13.8	12.5	1.70
3855.0	16:10	107.4	37	134	8.9	9.3	9.1	8.60	13.8	19.2	1.47
3860.0	16:13	101.1	37	137	9.0	9.3	9.1	8.60	13.8	19.0	1.48
1597											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1597											
3865.0	16:16	113.6	38	138	8.9	9.3	9.1	8.60	13.8	19.7	1.45
3870.0	16:19	89.2	37	139	9.0	9.3	9.1	8.60	13.8	18.0	1.52
3875.0	16:24	72.7	36	136	9.1	9.3	9.1	8.60	13.8	16.5	1.57
3880.0	16:26	125.7	39	134	9.0	9.3	9.2	8.60	13.8	20.5	1.42
3885.0	16:36	115.1	39	129	9.0	9.3	9.1	8.60	13.8	19.8	1.43
3890.0	16:45	68.4	30	94	9.0	9.2	9.1	8.60	13.8	21.1	1.40
3895.0	16:50	63.6	33	129	8.9	9.1	9.1	8.60	13.8	16.0	1.56
3900.0	17:39	71.7	30	103	9.0	9.3	9.0	8.60	13.8	20.2	1.42
3905.0	17:43	80.7	33	127	9.0	9.3	9.0	8.60	13.8	17.6	1.50
3910.0	17:48	69.9	31	128	9.0	9.3	9.1	8.60	13.8	18.0	1.50
1642											
3915.0	18: 4	46.9	30	124	9.1	9.3	9.1	8.60	13.8	15.3	1.59
3920.0	18:10	55.5	32	114	9.1	9.4	9.1	8.60	13.8	16.6	1.54
3925.0	18:16	59.0	32	118	9.0	9.5	9.2	8.60	13.8	17.0	1.53
3930.0	18:21	63.0	31	123	9.0	9.5	9.2	8.60	13.8	18.0	1.50
3935.0	18:26	63.2	30	127	9.0	9.6	9.2	8.60	13.8	18.6	1.49
3940.0	18:32	64.6	28	117	9.1	9.6	9.2	8.60	13.9	20.6	1.44
3945.0	18:38	54.3	33	137	9.1	9.6	9.2	8.60	13.9	16.3	1.60
3950.0	18:49	63.1	33	125	9.2	9.6	9.2	8.60	13.9	17.6	1.55
3955.0	18:54	60.2	34	130	9.1	9.5	9.3	8.60	13.9	16.9	1.57
3960.0	19: 0	57.6	33	131	9.1	9.5	9.2	8.60	13.9	16.7	1.58
1692											
3965.0	19: 5	58.2	34	132	9.1	9.4	9.2	8.60	13.9	16.9	1.58
3970.0	19:11	55.4	32	131	9.0	9.5	9.3	8.60	13.9	17.3	1.57
3975.0	19:16	64.3	30	132	9.1	9.4	9.2	8.60	13.9	19.3	1.51
3980.0	19:30	66.9	32	129	9.1	9.3	9.2	8.60	13.9	19.2	1.51
3985.0	19:34	81.3	32	133	9.1	9.1	9.2	8.60	13.9	20.6	1.46
3990.0	19:39	66.6	28	134	9.0	9.1	9.2	8.60	13.9	20.7	1.48
3995.0	19:45	57.5	32	109	9.0	9.0	9.2	8.60	13.9	20.1	1.47
4000.0	19:50	60.3	30	135	9.1	9.0	9.2	8.60	13.9	18.6	1.54
4005.0	20: 2	65.5	31	104	9.0	9.0	9.2	8.60	13.9	24.6	1.34
4010.0	20: 6	55.7	32	132	9.0	8.9	9.1	8.60	13.9	16.6	1.59
1739											
4015.0	20:12	51.3	33	133	9.0	8.9	9.1	8.60	13.9	15.4	1.63
4020.0	20:16	61.5	33	133	9.1	8.9	9.1	8.60	13.9	16.9	1.58
4025.0	20:22	55.0	34	134	9.2	9.0	9.1	8.60	13.9	15.7	1.62
4030.0	20:27	60.3	35	134	9.2	9.0	9.2	8.60	13.9	16.5	1.59
4035.0	20:33	49.3	35	134	9.1	8.9	9.3	8.60	13.9	14.7	1.65
4040.0	20:40	44.5	34	129	9.1	9.0	9.3	8.60	13.9	14.8	1.65
4045.0	23:54	46.9	22	119	9.0	9.1	9.1	8.60	14.0	20.3	1.46
4050.0	0: 3	40.6	25	123	9.0	9.1	9.1	8.60	14.0	16.0	1.58
4055.0	0: 9	50.8	25	125	9.0	9.1	9.1	8.60	14.0	18.3	1.51
4060.0	0:15	48.9	25	126	9.0	9.1	9.1	8.60	14.0	18.0	1.51
1790											
4065.0	0:23	41.1	24	122	9.0	9.1	9.1	8.60	14.0	17.2	1.54
4070.0	0:41	58.8	26	123	9.0	9.1	9.1	8.60	14.0	19.2	1.47
4075.0	0:46	56.7	36	115	9.0	9.1	9.1	8.60	14.0	13.4	1.59
4080.0	0:53	56.1	36	116	9.1	9.1	9.1	8.60	14.0	13.1	1.61
4085.0	1:11	47.5	36	111	9.1	9.1	9.2	8.60	14.0	12.0	1.64
4090.0	1:19	54.1	37	107	9.0	9.1	9.2	8.60	14.0	13.8	1.58
4095.0	1:22	104.7	47	147	9.1	9.1	9.2	8.60	14.0	14.5	1.58
4100.0	1:25	90.6	45	151	9.1	9.1	9.3	8.60	14.0	14.0	1.61
4105.0	1:33	113.7	44	146	9.0	9.1	9.2	8.60	14.0	16.4	1.52
4110.0	1:36	100.6	46	155	9.1	9.1	9.2	8.60	14.0	14.2	1.61
1836											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1836											
4115.0	1:39	118.4	50	156	9.1	9.1	9.2	8.60	14.0	14.2	1.60
4120.0	1:41	114.2	50	153	9.1	9.1	9.2	8.60	14.0	14.2	1.59
4125.0	1:44	123.1	51	152	9.1	9.1	9.2	8.60	14.0	14.7	1.58
4130.0	1:46	126.6	50	152	9.0	9.1	9.2	8.60	14.0	15.2	1.56
4135.0	1:56	113.4	47	152	9.0	9.1	9.3	8.60	14.0	15.3	1.57
4140.0	1:59	102.1	43	150	9.1	9.1	9.3	8.60	14.0	17.0	1.54
4145.0	2: 1	116.7	50	156	9.0	9.1	9.3	8.60	14.0	14.8	1.59
4150.0	2: 4	128.2	49	157	9.0	9.1	9.3	8.60	14.0	16.0	1.54
4155.0	2: 7	106.3	49	159	9.0	9.1	9.3	8.60	14.1	14.2	1.62
4160.0	2: 9	118.0	48	157	9.1	9.1	9.3	8.60	14.1	15.4	1.57
1884											
4165.0	2:26	105.4	49	156	9.1	9.1	9.2	8.60	14.1	14.1	1.62
4170.0	2:28	127.7	46	159	9.0	9.4	9.2	8.60	14.1	16.3	1.54
4175.0	2:31	111.8	48	158	9.1	9.5	9.2	8.60	14.1	14.5	1.60
4180.0	2:33	117.3	45	161	9.2	9.4	9.2	8.60	14.1	15.9	1.56
4185.0	2:36	128.4	51	159	9.2	9.4	9.2	8.60	14.1	14.7	1.59
4190.0	2:39	102.6	49	161	9.1	9.4	9.2	8.60	14.1	13.4	1.65
4195.0	2:42	112.2	49	161	9.1	9.3	9.2	8.60	14.1	14.2	1.62
4200.0	2:52	86.5	49	146	9.0	9.3	9.2	8.60	14.1	11.4	1.72
4205.0	2:55	112.3	51	161	9.0	9.4	9.2	8.60	14.1	13.9	1.64
4210.0	2:58	96.8	50	163	9.0	9.2	9.2	8.60	14.1	12.7	1.68
1932											
4215.0	3: 1	87.3	48	164	9.0	9.3	9.2	8.60	14.1	12.6	1.69
4220.0	3: 5	98.1	50	161	9.0	9.3	9.2	8.60	14.1	13.0	1.67
4225.0	3: 8	85.0	50	132	9.0	9.3	9.2	8.60	14.1	12.8	1.66
4230.0	3:20	83.5	49	134	9.0	9.3	9.2	8.60	14.1	12.9	1.66
4235.0	3:24	93.2	48	146	9.0	9.4	9.2	8.60	14.1	13.8	1.64
4240.0	3:27	88.6	47	148	9.0	9.4	9.2	8.60	14.1	13.6	1.65
4245.0	3:30	91.2	46	148	9.1	9.5	9.2	8.60	14.1	14.3	1.63
4250.0	3:34	91.6	45	150	9.1	9.5	9.2	8.60	14.1	14.8	1.62
4255.0	3:37	96.4	46	150	9.0	9.5	9.2	8.60	14.1	14.8	1.61
4260.0	3:48	79.8	35	141	9.1	9.5	9.2	8.60	14.1	20.4	1.50
1982											
4265.0	3:51	91.6	43	132	9.0	9.5	9.2	8.60	14.1	17.4	1.55
4270.0	3:54	101.5	45	134	9.0	9.5	9.2	8.60	14.1	17.3	1.54
4275.0	3:58	87.0	45	135	9.0	9.1	9.2	8.60	14.1	15.8	1.60
4280.0	4: 1	101.9	45	137	9.1	9.1	9.2	8.60	14.1	17.3	1.54
4285.0	4: 4	88.1	45	137	9.0	9.5	9.2	8.60	14.1	15.9	1.59
4290.0	4:17	65.0	45	138	9.1	9.3	9.2	8.60	14.1	12.7	1.72
4295.0	4:20	85.1	48	142	9.1	9.3	9.2	8.60	14.1	14.3	1.65
4300.0	4:23	117.1	47	141	9.1	9.3	9.2	8.60	14.1	17.9	1.52
4305.0	4:26	91.1	48	143	9.1	9.2	9.3	8.60	14.1	15.1	1.63
4310.0	4:30	86.7	47	143	9.2	9.2	9.3	8.60	14.1	15.2	1.63
2029											
4315.0	4:33	104.4	46	142	9.1	9.3	9.3	8.60	14.1	17.4	1.55
4320.0	4:36	95.7	45	144	9.0	9.3	9.3	8.60	14.1	17.4	1.57
4330.0	4:47	108.5	48	144	9.1	9.5	9.3	8.60	14.1	17.2	1.56
4335.0	4:50	94.1	48	146	9.1	9.4	9.3	8.60	14.1	16.0	1.61
4340.0	4:54	87.1	47	153	9.0	9.4	9.3	8.60	14.2	15.4	1.64
4345.0	4:57	94.4	49	152	9.1	9.4	9.3	8.60	14.2	15.3	1.64
4350.0	5: 1	84.7	49	153	9.0	9.5	9.3	8.60	14.2	14.2	1.68
4360.0	5:12	77.2	47	144	9.1	9.4	9.3	8.60	14.2	14.5	1.67
4365.0	5:17	72.0	45	136	9.1	9.3	9.3	8.60	14.2	14.8	1.66
4370.0	5:21	74.9	45	136	9.1	9.4	9.3	8.60	14.2	15.1	1.64
2082											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2082											
4375.0	5:24	80.5	47	135	9.0	9.4	9.3	8.60	14.2	15.5	1.63
4380.0	5:28	79.2	45	136	9.0	9.5	9.3	8.60	14.2	15.9	1.62
4385.0	5:32	78.6	46	138	9.0	9.2	9.3	8.60	14.2	15.5	1.64
4390.0	5:43	80.3	47	141	9.0	9.3	9.2	8.60	14.2	14.8	1.66
4395.0	5:46	91.5	46	145	9.0	9.4	9.2	8.60	14.2	16.3	1.61
4400.0	5:50	83.5	47	145	9.1	9.3	9.2	8.60	14.2	15.0	1.66
4405.0	5:53	85.3	47	144	9.1	9.2	9.2	8.60	14.2	15.2	1.65
4410.0	5:57	85.8	46	145	9.2	9.1	9.2	8.60	14.2	15.4	1.65
4415.0	6: 1	71.2	46	147	9.1	9.3	9.2	8.60	14.2	13.8	1.71
4420.0	6:13	72.1	32	136	9.1	9.2	9.2	8.60	14.2	22.2	1.49
2131											
4425.0	6:17	80.1	47	132	9.1	9.4	9.2	8.60	14.2	15.6	1.63
4430.0	6:21	80.2	48	134	9.1	9.5	9.2	8.60	14.2	15.3	1.65
4435.0	6:24	84.9	49	136	9.1	9.4	9.2	8.60	14.2	15.2	1.65
4440.0	6:28	78.0	49	138	9.1	9.4	9.2	8.60	14.2	14.4	1.69
4445.0	6:32	89.0	50	139	9.1	9.3	9.2	8.60	14.2	15.4	1.65
4450.0	6:43	77.3	48	147	9.1	9.2	9.3	8.60	14.2	14.7	1.69
4455.0	6:46	107.4	49	156	9.1	9.3	9.3	8.60	14.2	17.1	1.61
4460.0	6:49	93.5	48	158	9.2	9.2	9.3	8.60	14.2	16.3	1.65
4465.0	6:52	82.9	48	158	9.1	9.3	9.3	8.60	14.2	15.1	1.69
4470.0	6:56	89.2	48	160	9.1	9.3	9.3	8.60	14.2	15.9	1.67
2180											
4475.0	6:59	95.3	48	159	9.1	9.2	9.3	8.60	14.2	16.6	1.64
4480.0	7: 8	94.5	44	154	9.1	9.3	9.3	8.60	14.2	17.9	1.60
4485.0	7:11	89.1	49	146	9.1	9.4	9.3	8.60	14.2	16.1	1.65
4490.0	7:15	80.5	49	149	9.2	9.4	9.3	8.60	14.2	14.8	1.70
4495.0	7:18	89.3	51	148	9.1	9.3	9.3	8.60	14.2	15.3	1.67
4500.0	7:21	100.2	48	150	9.1	9.3	9.3	8.60	14.2	17.4	1.60
4505.0	7:25	85.1	49	150	9.2	9.3	9.3	8.60	14.2	15.7	1.67
4510.0	7:36	72.0	48	143	9.2	9.4	9.3	8.60	14.2	14.9	1.70
4515.0	7:39	88.3	48	162	9.2	9.3	9.3	8.60	14.2	16.2	1.67
4520.0	7:42	102.9	53	160	9.2	9.2	9.4	8.60	14.2	16.1	1.67
2227											
4525.0	7:45	98.8	54	160	9.2	9.2	9.4	8.60	14.3	15.7	1.68
4530.0	7:48	104.3	56	160	9.2	9.3	9.4	8.60	14.3	15.8	1.69
4535.0	7:51	113.7	56	160	9.1	9.2	9.4	8.60	14.3	16.5	1.66
4540.0	7:54	103.4	56	161	9.2	9.4	9.4	8.60	14.3	15.6	1.70
4545.0	8: 4	83.0	54	148	9.1	9.4	9.3	8.60	14.3	14.3	1.75
4550.0	8: 8	89.2	59	142	9.1	9.3	9.3	8.60	14.3	14.6	1.74
4555.0	8:11	87.9	55	144	9.2	9.3	9.3	8.60	14.3	14.8	1.71
4560.0	8:14	92.0	58	143	9.2	9.3	9.3	8.60	14.3	14.9	1.72
4565.0	8:18	91.8	57	144	9.2	9.4	9.3	8.60	14.3	15.0	1.72
4570.0	8:22	77.9	58	144	9.2	9.4	9.3	8.60	14.3	13.5	1.78
2276											
4575.0	8:33	81.4	56	143	9.2	9.3	9.4	8.60	14.3	14.1	1.75
4580.0	8:36	98.0	58	150	9.1	9.2	9.4	8.60	14.3	15.8	1.70
4585.0	8:39	94.7	57	153	9.1	9.2	9.4	8.60	14.3	15.4	1.71
4590.0	8:42	100.3	58	154	9.1	9.2	9.4	8.60	14.3	15.9	1.70
4595.0	8:46	95.2	58	154	9.0	9.4	9.4	8.60	14.3	15.2	1.73
4600.0	8:48	108.7	59	155	9.0	9.3	9.4	8.60	14.3	16.4	1.69
4605.0	8:59	83.2	57	149	9.1	9.2	9.3	8.60	14.3	13.8	1.78
4610.0	9: 2	96.8	57	154	9.0	9.3	9.3	8.60	14.3	15.0	1.73
4615.0	9: 5	100.2	56	155	9.0	9.3	9.3	8.60	14.3	15.4	1.71
4620.0	9: 8	102.8	58	155	9.0	9.1	9.2	8.60	14.3	15.3	1.72
2326											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2326											
4625.0	9:11	98.0	59	154	9.1	9.1	9.2	8.60	14.3	14.8	1.75
4630.0	9:14	90.7	58	155	9.1	9.1	9.2	8.60	14.3	14.3	1.77
4635.0	9:17	101.8	58	154	9.1	9.1	9.2	8.60	14.3	15.3	1.73
4640.0	9:27	82.1	42	148	9.1	9.3	9.2	8.60	14.3	20.0	1.60
4645.0	9:30	89.2	58	148	9.1	9.3	9.2	8.60	14.3	14.7	1.76
4650.0	9:33	94.5	60	147	9.0	9.3	9.3	8.60	14.3	15.1	1.75
4655.0	9:36	92.0	59	148	9.0	9.4	9.3	8.60	14.3	15.0	1.75
4660.0	9:40	90.6	59	149	9.1	9.5	9.3	8.60	14.3	14.8	1.76
4665.0	9:43	96.0	58	151	9.0	9.3	9.2	8.60	14.3	15.4	1.74
4670.0	9:52	92.0	59	144	9.0	9.2	9.2	8.60	14.3	14.3	1.78
2374											
4675.0	9:56	89.8	59	141	9.1	9.3	9.2	8.60	14.3	14.9	1.75
4680.0	9:59	90.9	58	148	9.0	9.2	9.2	8.60	14.3	14.9	1.76
4685.0	10: 2	98.7	59	149	9.0	9.1	9.2	8.60	14.3	15.2	1.75
4690.0	10: 6	91.3	58	149	9.1	9.1	9.2	8.60	14.3	14.9	1.76
4695.0	10: 9	89.0	59	149	9.0	9.1	9.2	8.60	14.3	14.5	1.78
4700.0	10:18	83.6	57	152	9.0	9.0	9.2	8.60	14.3	13.8	1.80
4705.0	10:22	89.3	59	158	9.0	9.0	9.2	8.60	14.3	14.2	1.81
4710.0	10:25	103.3	60	159	8.9	9.0	9.2	8.60	14.4	15.4	1.76
4715.0	10:28	96.4	58	161	9.0	9.0	9.2	8.60	14.4	15.0	1.77
4720.0	10:31	86.1	59	160	9.0	9.0	9.2	8.60	14.4	13.7	1.83
2424											
4725.0	10:35	89.9	59	160	9.0	9.0	9.2	8.60	14.4	14.2	1.81
4730.0	10:38	92.8	59	160	9.0	9.1	9.2	8.60	14.4	14.5	1.80
4735.0	10:51	91.0	59	158	9.0	9.2	9.2	8.60	14.4	14.4	1.80
4740.0	10:54	96.8	59	158	9.0	9.2	9.2	8.60	14.4	15.0	1.78
4745.0	10:58	93.8	59	160	9.0	9.2	9.2	8.60	14.4	14.7	1.80
4750.0	11: 1	95.8	59	159	9.1	9.0	9.2	8.60	14.4	15.0	1.78
4755.0	11: 4	85.7	59	160	9.0	9.0	9.2	8.60	14.4	14.2	1.81
4760.0	11:14	81.0	57	143	9.0	9.1	9.2	8.60	14.4	14.8	1.77
4765.0	11:17	92.2	60	139	9.1	9.1	9.2	8.60	14.4	15.8	1.74
4770.0	11:21	83.3	59	148	9.0	9.2	9.2	8.60	14.4	14.6	1.80
2472											
4775.0	11:24	83.7	58	150	9.1	9.0	9.2	8.60	14.4	14.6	1.79
4780.0	11:28	89.5	58	150	9.0	9.2	9.3	8.60	14.4	15.3	1.77
4785.0	11:31	89.2	59	150	9.0	9.2	9.2	8.60	14.4	15.2	1.77
4790.0	11:35	76.1	58	151	9.0	9.2	9.2	8.60	14.4	13.8	1.83
4795.0	11:51	72.8	55	137	9.0	9.2	9.2	8.60	14.4	14.2	1.79
4800.0	11:55	73.8	52	145	9.0	9.2	9.1	8.60	14.4	14.3	1.78
4805.0	12: 0	63.6	52	149	9.0	9.3	9.2	8.60	14.4	12.8	1.85
4810.0	12: 5	65.4	53	148	9.1	9.2	9.2	8.60	14.4	13.1	1.84
4815.0	12:10	63.1	52	149	9.1	9.3	9.2	8.60	14.4	13.1	1.84
4820.0	12:15	60.9	53	150	9.0	9.2	9.2	8.60	14.4	12.7	1.86
2522											
4825.0	12:24	53.8	50	154	9.1	9.2	9.2	8.60	14.4	12.0	1.89
4830.0	12:28	64.4	55	152	9.0	9.2	9.2	8.60	14.4	13.0	1.86
4835.0	12:33	63.0	54	154	9.1	9.2	9.2	8.60	14.4	12.9	1.86
4840.0	12:38	64.8	54	155	9.0	9.3	9.2	8.60	14.4	13.1	1.86
4845.0	12:43	60.2	54	155	9.2	9.2	9.2	8.60	14.4	12.6	1.88
4850.0	12:48	61.0	54	155	9.3	9.1	9.3	8.60	14.4	12.8	1.87
4855.0	12:53	60.5	54	156	9.4	9.1	9.3	8.60	14.4	13.0	1.86
4860.0	13: 6	64.4	52	142	9.4	9.4	9.4	8.60	14.4	14.6	1.79
4865.0	13:10	78.5	52	152	9.3	9.3	9.5	8.60	14.4	16.9	1.71
4870.0	13:15	64.5	54	154	9.3	9.4	9.5	8.60	14.4	14.7	1.80
2571											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2571											
4875.0	13:20	63.3	54	155	9.3	9.4	9.5	8.60	14.4	14.5	1.81
4880.0	13:25	58.9	55	155	9.4	9.3	9.5	8.60	14.4	13.8	1.85
4885.0	13:30	58.7	55	156	9.3	9.3	9.5	8.60	14.4	13.8	1.85
4890.0	13:40	61.8	53	149	9.4	9.3	9.5	8.60	14.4	14.8	1.80
4895.0	13:46	55.8	53	149	9.4	9.3	9.6	8.60	14.4	14.3	1.82
4900.0	13:51	59.7	55	147	9.4	9.3	9.6	8.60	14.4	14.7	1.81
4905.0	13:55	70.5	55	146	9.4	9.4	9.6	8.60	14.5	16.1	1.76
4910.0	14: 1	57.5	54	149	9.4	9.5	9.6	8.60	14.5	14.5	1.82
4915.0	14: 6	54.3	53	150	9.5	9.5	9.6	8.60	14.5	14.2	1.83
4920.0	14:21	58.2	54	141	9.5	9.5	9.6	8.60	14.5	15.2	1.79
2621											
4925.0	14:26	59.3	54	156	9.6	9.5	9.6	8.60	14.5	14.8	1.82
4930.0	14:31	61.0	51	158	9.6	9.6	9.6	8.60	14.5	16.1	1.77
4935.0	14:36	58.5	55	157	9.5	9.6	9.7	8.60	14.5	15.0	1.81
4940.0	14:40	65.7	55	157	9.5	9.6	9.7	8.60	14.5	15.9	1.78
4945.0	14:45	69.8	53	158	9.5	9.6	9.7	8.60	14.5	16.9	1.74
4950.0	14:49	74.6	51	159	9.5	9.6	9.7	8.60	14.5	17.9	1.70
4955.0	14:59	56.2	52	151	9.5	9.6	9.7	8.60	14.5	15.6	1.78
4960.0	15: 4	64.5	53	159	9.5	9.4	9.7	8.60	14.5	16.3	1.77
4965.0	15: 8	70.3	52	159	9.4	9.4	9.7	8.60	14.5	17.2	1.73
4970.0	15:13	59.6	51	158	9.3	9.5	9.7	8.60	14.5	16.0	1.78
2671											
4975.0	15:18	73.8	53	156	9.4	9.5	9.6	8.60	14.5	17.4	1.72
4980.0	15:22	61.0	53	158	9.4	9.5	9.6	8.60	14.5	15.6	1.79
4985.0	15:35	45.7	47	139	9.4	9.4	9.5	8.60	14.5	14.7	1.80
4990.0	15:42	41.4	44	142	9.3	9.4	9.5	8.60	14.5	14.3	1.81
4995.0	15:49	40.2	45	142	9.4	9.5	9.5	8.60	14.5	13.9	1.82
5000.0	15:58	38.9	45	136	9.4	9.5	9.5	8.60	14.5	13.9	1.81
5005.0	16:50	29.2	43	130	9.6	9.5	9.6	8.60	14.5	12.7	1.86
5010.0	17: 0	31.8	40	129	9.5	9.5	9.7	8.60	14.5	15.1	1.77
5015.0	17:14	38.5	41	128	9.5	9.5	9.7	8.60	14.5	16.5	1.72
5020.0	17:23	36.2	44	130	9.5	9.5	9.7	8.60	14.5	14.7	1.79
2721											
5025.0	17:30	42.1	45	130	9.5	9.5	9.7	8.60	14.5	15.8	1.75
5030.0	17:37	39.4	45	131	9.5	9.5	9.6	8.60	14.5	15.0	1.78
5035.0	17:45	40.9	45	132	9.5	9.5	9.6	8.60	14.5	15.4	1.76
5040.0	17:52	44.1	45	131	9.5	9.5	9.6	8.60	14.5	16.0	1.74
5045.0	2:26	44.9	47	136	9.5	9.5	9.6	8.60	14.5	15.4	1.77
5050.0	2:30	70.3	51	146	9.5	9.5	9.7	8.60	14.5	18.4	1.69
5055.0	2:35	66.1	51	150	9.6	9.5	9.7	8.60	14.5	17.8	1.72
5060.0	2:40	58.3	50	152	9.5	9.6	9.7	8.60	14.5	17.1	1.75
5065.0	2:45	60.2	51	152	9.5	9.6	9.7	8.60	14.5	16.9	1.75
5070.0	2:50	57.7	52	153	9.5	9.6	9.7	8.60	14.5	16.2	1.78
2771											
5075.0	3: 1	56.6	51	147	9.5	9.5	9.7	8.60	14.5	16.8	1.75
5080.0	3: 6	53.5	51	151	9.5	9.3	9.7	8.60	14.5	15.9	1.79
5085.0	3:11	61.4	52	152	9.5	9.3	9.7	8.60	14.5	17.0	1.75
5090.0	3:15	70.4	51	148	9.5	9.4	9.7	8.60	14.5	18.7	1.69
5095.0	3:19	72.5	52	147	9.6	9.5	9.7	8.60	14.5	18.6	1.69
5100.0	3:24	63.2	52	149	9.5	9.6	9.7	8.60	14.6	17.5	1.73
5105.0	3:28	69.9	52	147	9.5	9.4	9.7	8.60	14.6	18.4	1.70
5110.0	3:38	84.0	50	151	9.6	9.6	9.7	8.60	14.6	20.4	1.63
5115.0	3:42	76.8	50	153	9.5	9.6	9.7	8.60	14.6	20.0	1.65
5117.0	3:45	52.3	51	122	9.5	9.6	9.7	8.60	14.6	17.7	1.71

NEW BIT ID: 5

2822

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2822											
5120.0	16: 8	39.3	44	88	9.4	9.8	9.4	8.60	14.6	16.3	1.67
5125.0	16:16	38.9	41	115	9.5	9.9	9.5	8.60	14.6	15.5	1.73
5130.0	16:25	34.4	41	115	9.5	9.4	9.5	8.60	14.6	14.7	1.76
5135.0	16:33	38.3	48	100	9.5	9.3	9.6	8.60	14.6	15.0	1.74
5140.0	0: 8	41.8	48	97	9.4	9.1	9.6	8.60	14.6	16.9	1.68
5145.0	0:14	56.5	51	126	9.4	9.0	9.6	8.60	14.6	16.4	1.72
5150.0	0:19	58.8	51	126	9.4	9.0	9.6	8.60	14.6	16.9	1.70
5155.0	0:25	54.5	51	126	9.5	9.2	9.6	8.60	14.6	15.8	1.74
5160.0	0:30	64.4	51	126	9.0	9.2	9.6	8.60	14.6	17.4	1.68
5165.0	0:36	50.8	51	126	9.3	9.3	9.5	8.60	14.6	15.0	1.78
2870											
5170.0	0:48	63.6	45	109	9.3	9.4	9.4	8.60	14.6	21.0	1.57
5175.0	0:52	63.9	53	134	9.3	9.2	9.4	8.60	14.6	15.9	1.77
5180.0	0:56	76.5	53	137	9.3	9.4	9.3	8.60	14.6	17.3	1.72
5185.0	1: 0	78.0	52	138	9.3	9.2	9.3	8.60	14.6	17.8	1.70
5190.0	1: 4	70.6	48	139	9.2	9.2	9.4	8.60	14.6	18.5	1.68
5195.0	1: 9	69.1	45	139	9.3	9.3	9.4	8.60	14.6	19.0	1.66
5200.0	1:13	75.3	46	138	9.3	9.2	9.4	8.60	14.6	19.6	1.64
5205.0	1:27	71.9	46	130	9.3	9.2	9.5	8.60	14.6	20.2	1.61
5210.0	1:31	75.5	45	145	9.3	9.2	9.5	8.60	14.6	19.9	1.64
5215.0	1:34	94.4	45	144	9.3	9.3	9.5	8.60	14.6	22.0	1.56
2920											
5220.0	1:39	65.9	45	145	9.3	9.2	9.5	8.60	14.6	18.8	1.68
5225.0	1:43	66.6	45	145	9.3	9.3	9.5	8.60	14.6	19.1	1.67
5230.0	1:48	64.8	45	146	9.3	9.2	9.5	8.60	14.6	18.8	1.68
5235.0	2: 9	52.9	44	135	9.3	9.2	9.5	8.60	14.6	17.5	1.73
5240.0	2:13	69.4	46	152	9.3	9.2	9.5	8.60	14.6	18.7	1.69
5245.0	2:17	70.1	47	153	9.3	9.2	9.4	8.60	14.6	18.7	1.69
5250.0	2:21	70.1	47	154	9.3	9.2	9.4	8.60	14.6	18.7	1.70
5255.0	2:25	67.5	47	154	9.3	9.4	9.5	8.60	14.6	18.1	1.72
5260.0	2:39	66.3	43	137	9.3	9.5	9.5	8.60	14.6	20.2	1.64
5265.0	2:41	66.0	47	127	9.3	9.2	9.5	8.60	14.6	19.5	1.65
2966											
5270.0	2:43	87.6	49	148	9.3	9.2	9.5	8.60	14.6	20.4	1.62
5275.0	2:47	74.3	48	152	9.3	9.1	9.5	8.60	14.6	19.2	1.68
5280.0	2:51	86.0	47	151	9.3	9.1	9.5	8.60	14.6	20.9	1.62
5285.0	2:54	91.2	48	151	9.3	9.3	9.5	8.60	14.6	21.0	1.61
5290.0	2:59	75.6	48	152	9.3	9.2	9.5	8.60	14.6	19.1	1.69
5295.0	3: 3	73.7	48	152	9.3	9.2	9.5	8.60	14.6	19.3	1.68
5300.0	3:15	93.9	49	132	9.3	9.3	9.5	8.60	14.7	22.2	1.55
5305.0	3:19	83.1	49	153	9.3	9.1	9.5	8.60	14.7	20.1	1.66
5310.0	3:23	72.8	47	150	9.3	9.0	9.5	8.60	14.7	19.7	1.67
5315.0	3:27	83.9	48	150	9.3	9.1	9.5	8.60	14.7	20.7	1.64
3012											
5320.0	3:31	69.6	48	151	9.3	9.2	9.5	8.60	14.7	19.1	1.70
5325.0	3:35	76.7	48	151	9.3	9.3	9.5	8.60	14.7	20.1	1.66
5330.0	3:48	79.4	48	150	9.4	8.8	9.5	8.60	14.7	20.0	1.66
5335.0	3:51	100.4	47	156	9.3	8.7	9.5	8.60	14.7	22.5	1.58
5340.0	3:54	90.6	48	159	9.4	9.0	9.5	8.60	14.7	21.2	1.63
5345.0	3:58	93.8	48	157	9.3	9.4	9.5	8.60	14.7	21.5	1.61
5350.0	4: 1	92.4	48	158	9.3	9.3	9.5	8.60	14.7	21.5	1.62
5355.0	4:12	67.9	48	157	9.3	9.5	9.5	8.60	14.7	18.9	1.72
5360.0	4:12	128.6	48	155	9.3	9.9	9.5	8.60	14.7	24.7	1.49
5365.0	4:15	102.6	49	156	9.4	9.7	9.5	8.60	14.7	22.4	1.58
3054											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
3054											
5370.0	4:19	85.1	49	151	9.3	9.5	9.5	8.60	14.7	20.8	1.64
5375.0	4:23	85.5	47	152	9.3	9.6	9.5	8.60	14.7	21.3	1.63
5380.0	4:26	91.6	49	150	9.3	9.5	9.5	8.60	14.7	21.5	1.61
5385.0	4:30	78.0	49	151	9.3	9.6	9.5	8.60	14.7	20.1	1.67
5390.0	4:39	72.6	48	124	9.3	9.7	9.5	8.60	14.7	21.2	1.61
5395.0	4:42	89.5	50	153	9.3	9.8	9.5	8.60	14.7	21.2	1.64
5400.0	4:45	108.4	49	155	9.3	9.4	9.5	8.60	14.7	23.0	1.57
5405.0	4:49	99.7	49	155	9.3	9.3	9.5	8.60	14.7	22.2	1.60
5410.0	4:52	85.1	49	155	9.3	9.3	9.5	8.60	14.7	20.9	1.66
5415.0	4:55	101.8	50	154	9.3	9.5	9.5	8.60	14.7	22.4	1.59
3103											
5420.0	4:58	96.9	50	151	9.3	8.9	9.5	8.60	14.7	21.9	1.61
5425.0	5: 9	99.9	50	151	9.3	9.1	9.5	8.60	14.7	40.9	1.17
5430.0	5:12	93.7	50	152	9.3	9.2	9.5	8.60	14.7	40.6	1.18
5435.0	5:15	98.9	50	152	9.3	9.4	9.5	8.60	14.7	30.7	1.40
5440.0	5:19	81.0	50	152	9.3	9.5	9.5	8.60	14.7	20.4	1.67
5445.0	5:22	89.7	50	151	9.3	9.7	9.5	8.60	14.7	21.2	1.64
5450.0	5:26	90.0	50	152	9.3	9.7	9.5	8.60	14.7	21.5	1.63
5455.0	5:37	94.8	49	147	9.3	9.7	9.5	8.60	14.7	22.5	1.59
5460.0	5:40	105.7	50	153	9.4	9.2	9.5	8.60	14.7	22.8	1.59
5465.0	5:43	94.3	51	152	9.4	9.2	9.5	8.60	14.7	21.7	1.63
3152											
5470.0	5:46	105.0	50	153	9.3	9.2	9.5	8.60	14.7	22.9	1.58
5475.0	5:50	83.5	50	154	9.4	9.2	9.5	8.60	14.7	21.0	1.66
5480.0	8:22	84.5	48	143	9.5	9.2	9.6	8.60	14.7	22.3	1.60
5485.0	8:24	58.8	41	134	9.5	9.3	9.6	8.60	14.7	22.2	1.62
5490.0	8:28	96.7	47	133	9.5	9.3	9.6	8.60	14.7	24.5	1.51
5495.0	8:31	85.1	46	136	9.5	9.2	9.7	8.60	14.7	23.6	1.55
5500.0	8:35	79.1	46	137	9.5	9.1	9.7	8.60	14.8	23.3	1.57
5505.0	8:40	69.3	45	138	9.5	9.1	9.7	8.60	14.8	22.1	1.62
5510.0	8:48	70.9	45	137	9.5	9.2	9.7	8.60	14.8	22.7	1.59
5515.0	8:54	67.0	45	138	9.6	9.4	9.7	8.60	14.8	22.2	1.61
3191											
5520.0	8:57	63.0	45	138	9.6	9.5	9.7	8.60	14.8	21.9	1.63
5525.0	8:59	74.0	42	143	9.5	9.5	9.7	8.60	14.8	24.2	1.56
5525.0	8:59	58.0	48	140	9.5	9.4	9.7	8.60	14.8	.0	.00
5530.0	9: 2	91.8	45	142	9.5	9.4	9.7	8.60	14.8	24.7	1.53
5535.0	9: 5	92.0	44	142	9.5	9.4	9.7	8.60	14.8	25.3	1.51
5540.0	9: 9	89.3	42	143	9.5	9.4	9.7	8.60	14.8	25.7	1.50
5545.0	9:13	80.6	42	143	9.5	9.3	9.7	8.60	14.8	24.7	1.54
5550.0	9:25	132.5	43	145	9.5	9.4	9.7	8.60	14.8	28.9	1.39
5555.0	9:28	105.0	44	145	9.5	9.4	9.7	8.60	14.8	26.6	1.47
5560.0	9:31	113.7	44	145	9.6	9.4	9.7	8.60	14.8	26.8	1.46
3226											
5565.0	9:34	94.1	44	146	9.6	9.4	9.7	8.60	14.8	25.7	1.50
5570.0	9:36	126.2	44	145	9.6	9.4	9.7	8.60	14.8	28.4	1.40
5575.0	9:39	97.8	44	146	9.5	9.4	9.7	8.60	14.8	26.1	1.49
5580.0	9:58	133.6	43	138	9.6	9.6	9.8	8.60	14.8	29.6	1.35
5585.0	10: 2	106.9	46	144	9.6	9.7	9.7	8.60	14.8	25.3	1.51
5590.0	10: 5	101.6	41	147	9.6	9.7	9.7	8.60	14.8	27.9	1.44
5595.0	10: 8	110.7	44	145	9.6	9.6	9.7	8.60	14.8	27.4	1.44
5600.0	10:11	90.7	47	146	9.7	9.5	9.7	8.60	14.8	24.5	1.55
5605.0	10:13	119.2	54	146	9.6	9.5	9.8	8.60	14.8	25.1	1.51
5610.0	10:16	135.4	52	148	9.7	9.5	9.8	8.60	14.8	26.1	1.48
3266											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
3266											
5615.0	10:28	108.6	53	147	9.5	9.3	9.8	8.60	14.8	24.5	1.55
5620.0	10:30	120.7	56	145	9.5	9.1	9.8	8.60	14.8	24.8	1.54
5625.0	10:33	101.0	56	146	9.5	9.2	9.8	8.60	14.8	23.5	1.59
5630.0	10:36	105.9	52	149	9.5	9.3	9.7	8.60	14.8	24.4	1.55
5635.0	10:39	119.0	56	145	9.5	9.4	9.7	8.60	14.8	24.7	1.54
5640.0	10:47	145.2	55	141	9.5	9.5	9.7	8.60	14.8	26.5	1.46
5645.0	10:50	107.1	52	142	9.5	9.4	9.7	8.60	14.8	24.5	1.54
5650.0	10:53	97.6	52	144	9.5	9.5	9.7	8.60	14.8	23.7	1.58
5655.0	10:56	99.6	53	143	9.6	9.5	9.7	8.60	14.8	23.7	1.57
5660.0	10:59	118.2	54	142	9.6	9.5	9.7	8.60	14.8	25.1	1.52
3308											
5665.0	11: 2	82.6	54	143	9.5	9.5	9.7	8.60	14.8	22.1	1.65
5670.0	11:12	101.4	55	131	9.5	9.5	9.7	8.60	14.8	24.5	1.54
5675.0	11:15	89.9	54	149	9.5	9.4	9.7	8.60	14.8	22.8	1.63
5680.0	11:18	96.2	55	148	9.5	9.5	9.7	8.60	14.8	23.3	1.62
5685.0	11:21	102.6	53	147	9.5	9.4	9.7	8.60	14.8	24.2	1.57
5690.0	11:25	86.6	52	148	9.5	9.3	9.7	8.60	14.8	23.0	1.62
5695.0	11:28	94.6	51	147	9.5	8.9	9.7	8.60	14.8	24.1	1.58
5700.0	11:31	113.2	54	145	9.5	9.0	9.7	8.60	14.8	25.0	1.54
5705.0	11:39	97.1	54	140	9.6	9.2	9.7	8.60	14.9	20.7	1.20
5710.0	11:41	145.6	53	150	9.5	9.6	9.7	8.60	14.9	26.8	1.47
3356											
5715.0	11:44	110.7	56	148	9.5	9.3	9.7	8.60	14.9	24.5	1.57
5720.0	11:47	103.1	55	149	9.6	9.4	9.7	8.60	14.9	24.0	1.59
5725.0	11:49	130.9	54	147	9.6	9.5	9.7	8.60	14.9	26.0	1.51
5730.0	11:52	92.6	55	148	9.6	9.4	9.7	8.60	14.9	23.2	1.62
5735.0	12: 6	76.8	52	127	9.6	9.4	9.7	8.60	14.9	23.2	1.60
5740.0	12:11	60.7	45	128	9.4	9.4	9.7	8.60	14.9	22.5	1.62
5745.0	12:15	72.2	48	128	9.5	9.1	9.7	8.60	14.9	23.3	1.58
5750.0	12:20	70.2	47	130	9.5	9.5	9.7	8.60	14.9	23.1	1.59
5755.0	12:25	60.4	46	130	9.5	9.3	9.7	8.60	14.9	21.9	1.64
5760.0	12:30	64.8	45	130	9.5	9.5	9.7	8.60	14.9	23.0	1.60
3399											
5765.0	12:39	76.2	46	119	9.5	9.4	9.7	8.60	14.9	24.6	1.53
5770.0	12:42	72.7	45	130	9.5	9.5	9.6	8.60	14.9	24.2	1.56
5775.0	12:46	65.5	45	132	9.5	9.4	9.6	8.60	14.9	22.9	1.61
5780.0	12:50	72.3	45	131	9.5	9.4	9.6	8.60	14.9	24.0	1.57
5785.0	12:55	69.1	45	132	9.5	9.5	9.6	8.60	14.9	23.3	1.60
5790.0	12:59	69.7	46	129	9.5	9.4	9.6	8.60	14.9	23.4	1.59
5795.0	13: 3	77.8	47	129	9.4	9.3	9.6	8.60	14.9	24.0	1.56
5800.0	13:14	62.8	46	128	9.5	9.5	9.7	8.60	14.9	23.0	1.61
5805.0	13:18	66.4	44	134	9.4	9.5	9.7	8.60	14.9	23.7	1.59
5810.0	13:23	62.8	45	136	9.4	9.5	9.6	8.60	14.9	22.7	1.63
3445											
5815.0	13:27	65.7	45	135	9.5	9.4	9.7	8.60	14.9	23.3	1.61
5820.0	13:31	78.0	45	134	9.5	9.6	9.6	8.60	14.9	24.3	1.57
5825.0	13:36	65.1	43	135	9.4	9.4	9.6	8.60	14.9	23.8	1.59
5830.0	13:46	68.1	45	127	9.4	9.6	9.6	8.60	14.9	23.5	1.59
5835.0	13:49	86.3	46	125	9.4	9.4	9.6	8.60	14.9	25.6	1.51
5840.0	13:53	64.8	46	125	9.4	9.5	9.6	8.60	14.9	23.0	1.61
5845.0	13:58	96.2	46	124	9.4	9.6	9.6	8.60	14.9	25.5	1.51
5850.0	14: 2	66.7	46	126	9.4	9.6	9.6	8.60	14.9	23.0	1.61
5855.0	14: 5	86.0	46	125	9.4	9.5	9.6	8.60	14.9	25.1	1.53
5860.0	14:18	82.4	47	125	9.4	9.5	9.7	8.60	14.9	25.1	1.53
3490											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
3490											
5865.0	14:24	117.0	51	131	9.4	9.3	9.6	8.60	14.9	26.8	1.48
5870.0	14:27	103.0	51	146	9.5	9.4	9.6	8.60	14.9	25.3	1.55
5875.0	14:30	111.5	50	147	9.4	9.4	9.6	8.60	14.9	25.8	1.54
5880.0	14:33	103.2	50	147	9.4	9.4	9.6	8.60	14.9	25.2	1.56
5885.0	14:36	113.5	49	148	9.5	9.6	9.6	8.60	14.9	26.6	1.51
5890.0	14:46	111.4	50	142	9.5	9.4	9.6	8.60	14.9	26.2	1.52
5895.0	14:49	114.2	51	151	9.4	9.4	9.6	8.60	14.9	25.6	1.55
5900.0	14:52	101.9	50	153	9.4	9.3	9.6	8.60	14.9	25.3	1.57
5905.0	14:54	122.4	50	151	9.4	9.3	9.6	8.60	14.9	26.7	1.51
5910.0	14:57	111.2	50	151	9.4	9.3	9.6	8.60	14.9	26.0	1.54
3535											
5915.0	15: 0	105.3	49	152	9.4	9.4	9.6	8.60	15.0	25.6	1.55
5920.0	15:11	92.4	50	148	9.4	9.4	9.6	8.60	15.0	24.4	1.60
5925.0	15:14	110.9	52	137	9.5	9.4	9.6	8.60	15.0	25.8	1.53
5930.0	15:18	94.1	51	143	9.4	9.4	9.6	8.60	15.0	24.7	1.59
5935.0	15:21	109.0	52	147	9.4	9.3	9.6	8.60	15.0	25.6	1.55
5940.0	15:24	96.5	52	148	9.4	9.4	9.6	8.60	15.0	24.8	1.59
5945.0	15:27	101.6	52	148	9.4	9.5	9.6	8.60	15.0	25.1	1.58
5950.0	15:30	110.7	52	147	9.3	9.4	9.6	8.60	15.0	25.6	1.56
5955.0	15:38	120.7	50	131	9.3	9.4	9.6	8.60	15.0	27.6	1.47
5960.0	15:42	92.8	51	137	9.3	9.4	9.6	8.60	15.0	24.4	1.60
3584											
5965.0	15:44	109.0	51	139	9.5	9.0	9.6	8.60	15.0	25.9	1.54
5970.0	15:48	91.1	52	139	9.5	9.4	9.6	8.60	15.0	23.9	1.62
5975.0	15:51	94.3	52	139	9.5	9.4	9.6	8.60	15.0	24.3	1.61
5980.0	15:55	97.4	51	140	9.5	9.4	9.6	8.60	15.0	24.7	1.59
5985.0	16: 3	98.4	51	132	9.5	9.5	9.6	8.60	15.0	25.6	1.56
5990.0	16: 6	94.5	54	143	9.5	9.4	9.6	8.60	15.0	24.3	1.62
5995.0	16:10	91.5	53	144	9.5	9.5	9.6	8.60	15.0	24.3	1.62
6000.0	16:13	103.8	53	143	9.5	9.4	9.6	8.60	15.0	25.4	1.58
6005.0	16:15	124.5	53	142	9.5	9.5	9.6	8.60	15.0	26.7	1.52
6010.0	16:18	98.8	53	144	9.5	9.5	9.6	8.60	15.0	25.0	1.59
3631											
6015.0	16:31	100.4	53	140	9.6	9.6	9.7	8.60	15.0	25.6	1.57
6020.0	16:33	88.6	53	150	9.6	9.5	9.7	8.60	15.0	24.4	1.63
6025.0	16:36	103.7	53	150	9.6	9.4	9.7	8.60	15.0	25.7	1.57
6030.0	16:39	104.3	52	152	9.6	9.4	9.7	8.60	15.0	25.9	1.56
6035.0	16:41	116.1	52	150	9.7	9.5	9.7	8.60	15.0	27.1	1.52
6040.0	16:45	98.7	52	143	9.6	9.5	9.8	8.60	15.0	26.0	1.56
6045.0	16:47	120.4	54	143	9.6	9.3	9.8	8.60	15.0	27.4	1.50
6050.0	16:57	100.9	43	139	9.7	9.5	9.8	8.60	15.0	29.1	1.45
6055.0	16:59	116.0	43	148	9.6	9.5	9.8	8.60	15.0	30.1	1.42
6060.0	17: 3	94.9	41	150	9.6	9.5	9.8	8.60	15.0	28.8	1.48
3676											
6065.0	17: 6	105.9	45	150	9.6	9.4	9.8	8.60	15.0	28.7	1.48
6070.0	17: 9	115.5	52	149	9.5	9.4	9.8	8.60	15.0	27.4	1.51
6075.0	17:12	101.6	52	150	9.6	9.3	9.8	8.60	15.0	26.4	1.55
6080.0	17:19	111.9	50	139	9.5	9.4	9.8	8.60	15.0	28.4	1.47
6085.0	17:22	103.6	52	149	9.6	9.5	9.8	8.60	15.0	26.5	1.55
6090.0	17:35	124.9	53	146	9.6	9.5	9.8	8.60	15.0	28.1	1.48
6095.0	17:37	144.7	56	154	9.6	9.6	9.8	8.60	15.0	28.1	1.49
6100.0	17:39	135.7	55	155	9.6	9.7	9.8	8.60	15.0	28.1	1.50
6105.0	17:42	132.5	55	156	9.6	9.7	9.8	8.60	15.0	27.7	1.51
6110.0	17:50	99.3	55	141	9.6	9.7	9.8	8.60	15.0	25.8	1.58
3719											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
3719											
6115.0	17:52	124.4	56	142	9.7	9.7	9.8	8.60	15.0	27.2	1.53
6120.0	17:55	114.9	56	145	9.7	9.7	9.8	8.60	15.0	26.8	1.55
6125.0	17:58	114.1	55	146	9.7	9.8	9.8	8.60	15.0	26.7	1.55
6130.0	18: 1	107.0	54	147	9.7	9.8	9.8	8.60	15.1	26.5	1.56
6135.0	18: 3	116.7	53	148	9.7	9.8	9.8	8.60	15.1	27.0	1.54
6140.0	18:11	142.4	54	140	9.6	9.8	9.8	8.60	15.1	29.1	1.44
6145.0	18:13	146.7	55	140	9.5	9.9	9.8	8.60	15.1	28.7	1.47
6150.0	18:16	129.7	57	140	9.5	9.9	9.8	8.60	15.1	27.5	1.52
6155.0	18:18	119.6	56	142	9.6	9.7	9.9	8.60	15.1	27.7	1.52
6160.0	18:21	115.4	57	141	9.6	9.8	9.8	8.60	15.1	27.2	1.54
3766											
6165.0	18:24	125.6	56	142	9.6	9.9	9.8	8.60	15.1	27.0	1.54
6170.0	18:27	120.2	55	142	9.6	9.8	9.8	8.60	15.1	27.8	1.51
6175.0	18:33	114.2	46	132	9.6	9.9	9.8	8.60	15.1	30.2	1.42
6180.0	18:36	105.7	56	147	9.6	9.7	9.8	8.60	15.1	26.3	1.58
6185.0	18:39	117.3	56	150	9.6	9.8	9.8	8.60	15.1	27.1	1.55
6190.0	18:41	116.1	54	154	9.6	9.7	9.8	8.60	15.1	26.9	1.56
6195.0	18:45	94.8	55	154	9.6	9.6	9.8	8.60	15.1	25.3	1.63
6200.0	18:47	133.9	56	153	9.6	9.6	9.8	8.60	15.1	28.4	1.50
6205.0	18:56	113.5	56	144	9.6	9.6	9.8	8.60	15.1	27.2	1.55
6210.0	19: 0	94.6	56	146	9.6	9.7	9.8	8.60	15.1	25.6	1.62
3810											
6215.0	19: 2	115.3	54	149	9.7	9.8	9.8	8.60	15.1	27.6	1.53
6220.0	19: 5	101.4	52	150	9.7	9.7	9.8	8.60	15.1	26.9	1.56
6225.0	19: 8	108.8	56	148	9.6	9.7	9.8	8.60	15.1	26.9	1.56
6230.0	19:11	108.0	55	149	9.6	9.6	9.8	8.60	15.1	27.1	1.56
6235.0	19:19	114.8	56	113	9.6	9.8	9.8	8.60	15.1	29.5	1.44
6240.0	19:22	107.8	56	147	9.6	9.6	9.8	8.60	15.1	26.8	1.57
6245.0	19:25	121.6	57	149	9.6	9.7	9.8	8.60	15.1	27.8	1.54
6250.0	19:28	119.8	57	150	9.6	9.7	9.8	8.60	15.1	27.2	1.56
6255.0	19:31	101.0	56	151	9.6	9.7	9.8	8.60	15.1	26.2	1.60
6260.0	19:33	127.9	54	151	9.6	9.7	9.8	8.60	15.1	28.7	1.50
3855											
6265.0	19:37	107.1	56	149	9.6	9.7	9.8	8.60	15.1	27.1	1.57
6270.0	19:44	85.8	55	130	9.6	9.7	9.8	8.60	15.1	25.8	1.60
6275.0	19:47	96.5	57	144	9.6	9.7	9.8	8.60	15.1	26.0	1.61
6280.0	19:50	118.1	57	146	9.6	9.6	9.8	8.60	15.1	27.7	1.54
6285.0	19:53	99.2	56	146	9.6	9.7	9.8	8.60	15.1	26.2	1.60
6290.0	19:56	99.3	52	150	9.6	9.7	9.8	8.60	15.1	26.8	1.57
6295.0	19:59	105.1	53	150	9.6	9.6	9.8	8.60	15.1	27.1	1.56
6300.0	20: 7	96.2	53	136	9.6	9.5	9.8	8.60	15.1	26.3	1.59
6305.0	20:10	123.1	54	148	9.6	9.6	9.8	8.60	15.1	28.2	1.52
6310.0	20:12	121.8	53	150	9.6	9.5	9.7	8.60	15.1	28.1	1.52
3897											
6315.0	20:15	95.8	52	152	9.6	9.6	9.8	8.60	15.1	26.3	1.60
6320.0	20:18	105.6	53	151	9.6	9.7	9.8	8.60	15.1	27.1	1.56
6325.0	20:21	118.1	52	151	9.7	9.8	9.8	8.60	15.1	28.3	1.52
6330.0	20:30	96.9	53	136	9.6	9.7	9.8	8.60	15.1	27.2	1.56
6335.0	20:34	89.2	56	129	9.5	9.6	9.8	8.60	15.1	26.5	1.59
6340.0	20:37	107.0	55	147	9.6	9.6	9.8	8.60	15.1	27.2	1.57
6345.0	20:41	92.6	53	149	9.5	9.8	9.8	8.60	15.2	26.4	1.60
6350.0	20:44	97.8	55	148	9.5	9.7	9.8	8.60	15.2	26.5	1.60
6355.0	20:47	105.4	54	148	9.5	9.7	9.8	8.60	15.2	27.2	1.57
6360.0	21:21	108.0	53	130	9.5	9.7	9.7	8.60	15.2	28.8	1.49
3945											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
3945											
6365.0	21:25	90.6	45	144	9.6	9.6	9.6	8.60	15.2	28.7	1.54
6370.0	21:28	119.8	52	146	9.6	9.8	9.6	8.60	15.2	27.9	1.53
6375.0	21:30	110.7	52	147	9.6	9.7	9.6	8.60	15.2	27.5	1.55
6380.0	21:34	107.6	52	148	9.5	9.6	9.6	8.60	15.2	27.2	1.57
6385.0	21:37	92.4	52	148	9.5	9.5	9.6	8.60	15.2	26.1	1.61
6390.0	21:41	92.2	52	149	9.6	9.5	9.7	8.60	15.2	26.1	1.62
6395.0	21:52	184.7	52	135	9.6	9.5	9.7	8.60	15.2	31.5	1.38
6400.0	21:55	140.6	53	148	9.7	9.6	9.7	8.60	15.2	29.3	1.49
6405.0	21:58	94.4	54	147	9.6	9.6	9.8	8.60	15.2	26.8	1.60
6410.0	22: 1	102.5	52	148	9.6	9.5	9.8	8.60	15.2	27.8	1.55
3989											
6415.0	22: 4	114.2	51	148	9.7	9.6	9.8	8.60	15.2	28.4	1.53
6420.0	22: 9	86.0	52	114	9.7	9.6	9.8	8.60	15.2	28.2	1.51
6425.0	22:26	56.4	52	87	9.7	9.6	9.7	8.60	15.2	23.6	1.68
6430.0	23: 1	67.8	50	118	9.7	9.8	9.8	8.60	15.2	25.1	1.64
6435.0	23: 5	73.9	50	118	9.8	9.5	9.8	8.60	15.2	27.0	1.56
6440.0	23: 8	93.0	50	119	9.8	9.6	9.8	8.60	15.2	28.7	1.49
6445.0	23:12	93.9	50	119	9.7	9.7	9.8	8.60	15.2	28.5	1.50
6450.0	23:30	77.4	39	101	9.8	9.7	9.9	8.60	15.2	35.3	1.34
6455.0	23:31	71.5	48	110	9.8	9.5	9.9	8.60	15.2	28.1	1.51
6460.0	23:34	80.5	49	108	9.8	9.6	9.9	8.60	15.2	29.3	1.47
4032											
6465.0	23:38	93.6	51	108	9.8	9.6	9.9	8.60	15.2	29.8	1.44
6470.0	23:42	72.1	50	109	9.8	9.7	10.0	8.60	15.2	27.6	1.54
6475.0	23:46	91.1	51	109	9.8	9.6	10.0	8.60	15.2	29.5	1.46
6477.0	23:48	47.9	51	111	9.8	9.7	10.0	8.60	15.2	24.2	1.68
NEW BIT ID: 6											
6480.0	17: 5	49.4	48	132	9.7	9.9	9.1	8.60	15.2	23.8	2.07
6485.0	17:17	51.6	48	120	9.7	9.9	11.4	8.60	15.2	33.0	1.49
6490.0	17:21	28.5	46	114	9.7	9.9	9.6	8.60	15.2	17.5	2.29
6495.0	17:29	41.3	46	120	9.7	9.9	9.9	8.60	15.2	21.3	2.34
6500.0	17:35	45.6	47	122	9.7	9.9	11.2	8.60	15.2	27.0	2.05
6505.0	17:41	54.6	46	122	9.7	9.9	11.9	8.60	15.2	31.5	1.64
4074											
6510.0	17:47	51.7	45	123	9.7	9.9	11.0	8.60	15.2	27.8	1.65
6515.0	17:54	43.8	45	123	9.7	9.9	10.9	8.60	15.2	26.3	1.69
6520.0	18:12	39.8	45	123	9.7	9.9	11.3	8.60	15.2	27.1	1.71
6525.0	18:19	48.5	43	125	9.7	9.9	11.7	8.60	15.2	30.8	1.65
6530.0	18:24	59.1	44	126	9.7	9.8	11.5	8.60	15.2	31.5	1.59
6535.0	18:29	58.1	44	126	9.5	9.8	10.1	8.60	15.2	25.9	1.62
6540.0	18:35	57.1	44	126	9.6	9.8	10.0	8.60	15.2	24.9	1.64
6545.0	18:41	54.5	46	126	9.6	9.8	9.9	8.60	15.2	24.0	1.67
6550.0	18:53	56.8	49	117	9.6	9.8	9.9	8.60	15.2	23.8	1.67
6555.0	18:58	62.0	49	134	9.6	9.9	10.0	8.60	15.2	25.3	1.62
4124											
6560.0	19: 2	62.8	48	136	9.7	9.9	10.0	8.60	15.2	24.9	1.65
6565.0	19: 7	70.6	47	137	9.7	10.0	11.1	8.60	15.2	30.1	1.60
6570.0	19:12	65.7	46	138	9.7	9.8	10.8	8.60	15.2	28.4	1.62
6575.0	19:16	73.5	50	135	9.7	9.9	10.0	8.60	15.2	25.7	1.61
6585.0	19:28	70.7	49	133	9.6	9.8	9.9	8.60	15.2	26.4	1.57
6590.0	19:33	65.8	50	135	9.6	9.8	10.0	8.60	15.2	25.1	1.65
6595.0	19:38	61.6	49	136	9.7	9.8	9.9	8.60	15.2	24.4	1.66

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
4161											
6600.0	19:42	74.6	54	132	9.6	9.7	10.0	8.60	15.3	25.4	1.65
6605.0	19:47	63.9	49	135	9.6	9.8	9.9	8.60	15.3	24.5	1.66
6610.0	19:52	61.5	49	135	9.7	9.9	9.9	8.60	15.3	26.0	1.60
6615.0	20:14	59.1	44	132	9.7	9.8	10.1	8.60	15.3	27.2	1.57
6620.0	20:21	40.9	39	135	9.6	9.8	10.0	8.60	15.3	27.1	1.58
6625.0	20:29	57.7	39	136	9.7	9.9	10.0	8.60	15.3	25.8	1.63
6630.0	20:34	71.0	45	134	9.6	9.8	10.0	8.60	15.3	26.9	1.59
6635.0	20:38	70.7	52	130	9.6	9.9	10.0	8.60	15.3	25.4	1.65
6640.0	20:43	61.6	51	131	9.7	9.7	10.1	8.60	15.3	26.1	1.63
6645.0	20:52	70.6	48	129	9.7	9.8	10.1	8.60	15.3	29.1	1.51
4209											
6650.0	20:56	74.5	43	134	9.7	9.8	10.0	8.60	15.3	29.8	1.47
6655.0	20:59	83.2	42	136	9.7	9.8	10.1	8.60	15.3	30.0	1.48
6660.0	21: 3	74.6	41	138	9.7	9.8	9.9	8.60	15.3	28.6	1.52
6665.0	21: 8	64.3	42	138	9.7	9.7	10.0	8.60	15.3	27.7	1.57
6670.0	21:12	75.4	41	139	9.7	9.7	10.1	8.60	15.3	29.5	1.51
6675.0	21:17	82.5	39	140	9.8	9.8	10.0	8.60	15.3	29.9	1.49
6680.0	21:30	43.1	30	97	9.8	9.8	10.2	8.60	15.3	36.6	1.31
6685.0	22:17	31.6	30	96	9.7	9.7	10.2	8.60	15.3	29.9	1.55
6690.0	22:22	68.1	48	135	9.7	9.8	10.1	8.60	15.3	26.6	1.61
6695.0	22:26	71.4	51	135	9.8	9.9	10.2	8.60	15.3	26.7	1.62
4257											
6700.0	22:30	69.5	50	137	9.7	9.9	10.1	8.60	15.3	26.5	1.62
6705.0	22:39	75.1	49	130	9.7	10.0	10.1	8.60	15.3	29.7	1.49
6710.0	22:43	67.4	49	134	9.7	9.8	10.1	8.60	15.3	26.7	1.62
6715.0	22:48	69.7	48	136	9.8	9.8	10.2	8.60	15.3	27.4	1.61
6720.0	22:53	57.4	49	136	9.7	9.7	10.1	8.60	15.3	26.0	1.64
6725.0	22:57	68.4	49	136	9.7	9.6	10.2	8.60	15.3	26.9	1.62
6730.0	23: 2	65.2	48	136	9.8	9.7	10.2	8.60	15.3	27.0	1.62
6740.0	23:16	64.6	49	139	9.8	9.8	10.2	8.60	15.3	29.3	1.52
6745.0	23:20	70.8	48	143	9.8	9.7	10.2	8.60	15.3	27.4	1.60
6750.0	23:24	76.7	50	142	9.8	9.8	10.3	8.60	15.3	27.8	1.59
4309											
6755.0	23:28	69.6	48	143	9.8	9.8	10.2	8.60	15.3	28.4	1.56
6760.0	23:32	73.3	48	144	9.8	9.8	10.1	8.60	15.3	27.4	1.60
6765.0	23:37	67.7	48	144	9.8	9.9	10.2	8.60	15.3	27.0	1.63
6770.0	23:45	73.1	49	135	9.8	9.9	10.1	8.60	15.3	28.9	1.54
6775.0	23:50	70.7	49	137	9.8	9.8	10.2	8.60	15.3	31.3	1.48
6780.0	23:54	65.6	49	138	9.8	9.9	10.3	8.60	15.3	30.1	1.52
6785.0	23:59	70.1	49	138	9.8	10.0	10.2	8.60	15.3	27.2	1.61
6790.0	0: 3	69.0	49	139	9.8	9.9	10.2	8.60	15.3	27.4	1.61
6795.0	0: 7	69.5	48	139	9.9	9.9	10.2	8.60	15.3	27.7	1.60
6800.0	0:12	69.7	49	140	9.9	9.9	10.2	8.60	15.3	27.5	1.60
4359											
6805.0	0:22	62.2	48	126	9.9	10.0	10.2	8.60	15.3	27.4	1.60
6810.0	0:27	67.8	46	136	9.8	9.9	10.2	8.60	15.3	28.1	1.57
6815.0	0:32	66.6	47	136	9.9	9.8	10.2	8.60	15.3	27.7	1.60
6820.0	0:37	64.2	47	136	9.9	10.0	10.2	8.60	15.3	27.6	1.60
6825.0	0:42	59.4	48	135	9.8	9.9	10.2	8.60	15.3	26.5	1.64
6830.0	0:47	59.1	50	134	9.8	9.9	10.2	8.60	15.3	27.5	1.61
6835.0	0:57	55.3	49	125	9.8	9.8	10.2	8.60	15.3	26.6	1.64
6840.0	1: 1	65.6	50	133	9.8	9.8	10.2	8.60	15.3	28.3	1.59
6845.0	1: 6	61.2	49	134	9.8	9.9	10.2	8.60	15.3	26.9	1.65
6850.0	1:11	72.1	50	133	9.8	9.7	10.1	8.60	15.3	27.8	1.60
4408											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
4408											
6855.0	1:17	46.8	49	134	9.8	9.7	10.1	8.60	15.3	24.4	1.74
6860.0	1:23	52.1	49	135	9.8	9.8	10.1	8.60	15.3	25.1	1.71
6865.0	1:36	57.7	49	136	9.8	9.8	10.1	8.60	15.4	26.0	1.67
6870.0	1:41	60.8	48	137	9.8	9.9	10.1	8.60	15.4	26.8	1.65
6875.0	1:46	68.1	48	138	9.8	9.8	10.1	8.60	15.4	27.4	1.62
6880.0	1:50	66.1	48	138	9.7	9.8	10.2	8.60	15.4	27.6	1.63
6885.0	1:55	68.9	50	138	9.7	9.8	10.0	8.60	15.4	27.0	1.64
6890.0	2: 0	67.3	51	139	9.8	9.8	10.1	8.60	15.4	26.7	1.66
6895.0	2:12	44.0	50	137	9.8	9.9	10.1	8.60	15.4	24.0	1.77
6900.0	2:17	64.2	49	139	9.8	9.9	10.0	8.60	15.4	26.5	1.65
4458											
6905.0	2:21	72.9	51	140	9.8	9.9	9.9	8.60	15.4	26.9	1.63
6910.0	2:26	71.4	50	141	9.8	9.9	10.0	8.60	15.4	27.0	1.64
6915.0	2:31	64.8	51	140	9.8	9.9	10.0	8.60	15.4	26.5	1.66
6920.0	2:35	76.1	51	141	9.8	9.9	10.1	8.60	15.4	27.6	1.62
6925.0	2:39	73.9	51	141	9.7	9.9	10.0	8.60	15.4	27.5	1.63
6930.0	2:48	81.5	52	129	9.8	9.9	10.0	8.60	15.4	28.3	1.58
6935.0	2:52	75.2	51	139	9.8	9.9	10.0	8.60	15.4	27.8	1.61
6940.0	2:56	87.5	49	138	9.8	9.9	10.1	8.60	15.4	29.6	1.54
6945.0	3: 0	72.6	50	141	9.7	9.9	10.1	8.60	15.4	27.8	1.63
6950.0	3: 4	85.9	50	140	9.7	9.7	10.0	8.60	15.4	29.0	1.58
4508											
6955.0	3: 7	86.9	51	139	9.7	9.8	10.0	8.60	15.4	30.1	1.53
6960.0	3:16	86.1	53	115	9.7	9.8	10.1	8.60	15.4	30.6	1.52
6965.0	3:19	89.6	51	134	9.6	9.8	10.0	8.60	15.4	30.6	1.52
6970.0	3:22	87.0	50	136	9.7	9.7	10.0	8.60	15.4	29.4	1.57
6975.0	3:26	74.7	50	137	9.6	9.7	10.0	8.60	15.4	28.4	1.62
6980.0	3:31	70.3	50	139	9.6	9.8	10.1	8.60	15.4	27.9	1.65
6985.0	3:36	67.3	49	139	9.6	9.7	10.0	8.60	15.4	27.4	1.66
6990.0	3:45	73.0	53	126	9.6	9.8	10.0	8.60	15.4	28.3	1.63
6995.0	3:49	69.8	51	137	9.6	9.7	10.0	8.60	15.4	27.7	1.66
7000.0	3:54	63.7	50	139	9.6	9.8	10.0	8.60	15.4	26.7	1.70
4556											
7005.0	3:57	94.5	51	138	9.6	9.5	10.0	8.60	15.4	29.7	1.57
7010.0	4: 2	61.7	51	140	9.6	9.7	10.0	8.60	15.4	26.7	1.71
7015.0	4: 7	78.7	51	139	9.7	9.7	10.1	8.60	15.4	27.6	1.66
7020.0	4:18	71.2	51	135	9.6	9.7	10.0	8.60	15.4	27.7	1.65
7025.0	4:21	79.9	51	136	9.6	9.8	10.0	8.60	15.4	28.7	1.62
7030.0	4:26	78.5	47	141	9.7	9.7	10.0	8.60	15.4	29.2	1.60
7035.0	4:30	88.5	48	142	9.6	9.9	10.0	8.60	15.4	29.7	1.57
7040.0	4:34	79.1	50	143	9.7	9.8	10.0	8.60	15.4	28.9	1.61
7045.0	4:38	68.4	49	143	9.6	9.7	10.0	8.60	15.4	27.6	1.67
7050.0	4:42	71.3	49	143	9.7	9.6	10.0	8.60	15.4	29.0	1.60
4605											
7055.0	4:53	55.3	51	127	9.7	9.7	10.0	8.60	15.4	28.8	1.60
7060.0	4:57	69.6	48	139	9.6	9.7	10.0	8.60	15.4	29.6	1.58
7065.0	5: 2	75.9	48	139	9.7	9.8	10.0	8.60	15.4	29.2	1.60
7070.0	5: 7	61.5	48	141	9.7	9.8	10.1	8.60	15.4	27.4	1.68
7075.0	5:12	61.9	48	140	9.7	9.7	10.1	8.60	15.4	27.7	1.66
7080.0	5:17	58.3	48	140	9.7	9.6	10.0	8.60	15.4	27.1	1.69
7085.0	5:34	47.9	49	127	9.7	9.6	10.0	8.60	15.4	25.8	1.72
7090.0	5:39	63.3	48	125	9.7	9.7	10.0	8.60	15.4	28.4	1.62
7095.0	5:46	43.6	48	128	9.7	9.7	10.0	8.60	15.4	25.4	1.76
7100.0	5:51	59.1	49	128	9.6	9.8	10.0	8.60	15.4	27.4	1.68
4655											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
4655											
7105.0	5:57	59.8	49	128	9.6	9.8	9.9	8.60	15.4	27.1	1.68
7110.0	6: 2	60.0	50	127	9.6	9.8	9.9	8.60	15.4	27.3	1.68
7115.0	6:14	56.3	51	129	9.7	9.8	10.1	8.60	15.4	26.9	1.71
7120.0	6:20	49.8	49	132	9.6	9.8	10.0	8.60	15.4	27.1	1.69
7125.0	6:24	64.2	50	124	9.5	9.8	9.9	8.60	15.4	27.8	1.66
7130.0	6:29	68.0	49	124	9.6	9.8	9.9	8.60	15.4	28.5	1.63
7135.0	6:36	47.5	50	124	9.7	9.8	9.9	8.60	15.5	25.4	1.75
7140.0	6:42	54.0	47	125	9.7	9.8	10.0	8.60	15.5	27.8	1.66
7145.0	6:54	58.8	47	118	9.7	9.8	10.0	8.60	15.5	28.5	1.63
7150.0	6:59	75.3	46	119	9.6	9.8	10.0	8.60	15.5	30.9	1.54
4704											
7155.0	7: 3	68.3	47	120	9.6	9.8	9.9	8.60	15.5	30.7	1.53
7160.0	7: 9	63.9	48	122	9.6	9.8	9.9	8.60	15.5	28.8	1.61
7165.0	7:13	66.7	48	122	9.6	9.8	9.9	8.60	15.5	31.1	1.52
7170.0	7:18	60.6	48	122	9.7	9.8	9.9	8.60	15.5	29.2	1.60
7175.0	7:22	69.5	48	122	9.6	9.8	9.9	8.60	15.5	30.0	1.56
7180.0	7:34	60.6	48	117	9.6	9.8	10.0	8.60	15.5	35.9	1.39
7185.0	7:38	68.7	48	125	9.7	9.8	9.9	8.60	15.5	32.2	1.50
7190.0	7:43	68.8	49	124	9.7	9.8	9.9	8.60	15.5	28.8	1.61
7195.0	7:47	59.4	48	125	9.7	9.8	10.0	8.60	15.5	30.3	1.55
7200.0	7:51	68.5	48	124	9.7	9.8	9.9	8.60	15.5	30.8	1.52
4750											
7205.0	7:56	62.7	48	125	9.7	9.8	9.9	8.60	15.5	28.4	1.63
7210.0	8: 6	72.1	40	118	9.7	9.8	10.0	8.60	15.5	34.3	1.45
7215.0	8: 9	57.6	51	123	9.7	9.8	10.0	8.60	15.5	31.0	1.53
7220.0	8:13	63.4	48	124	9.7	9.8	10.0	8.60	15.5	28.6	1.63
7225.0	8:17	71.9	49	124	9.6	9.8	10.0	8.60	15.5	32.1	1.49
7230.0	8:22	58.9	48	133	9.6	9.8	9.9	8.60	15.5	29.0	1.63
7235.0	8:25	69.7	50	131	9.7	9.8	9.9	8.60	15.5	31.4	1.52
7240.0	8:29	68.6	52	130	9.7	9.8	10.0	8.60	15.5	29.7	1.60
7245.0	8:38	69.4	52	119	9.7	9.8	9.9	8.60	15.5	30.3	1.56
7250.0	8:41	70.9	50	130	9.7	9.8	10.0	8.60	15.5	30.3	1.57
4796											
7255.0	8:46	68.2	51	131	9.8	9.8	10.0	8.60	15.5	28.9	1.63
7260.0	8:50	78.5	51	132	9.7	9.8	10.0	8.60	15.5	29.8	1.58
7265.0	8:54	79.6	51	132	9.7	9.8	9.9	8.60	15.5	29.2	1.60
7270.0	8:59	67.0	51	123	9.7	9.8	9.9	8.60	15.5	29.0	1.62
7275.0	9: 8	70.5	45	126	9.7	9.8	10.0	8.60	15.5	31.4	1.55
7280.0	9:14	68.7	51	130	9.7	9.8	10.0	8.60	15.5	28.7	1.64
7285.0	9:17	81.4	49	130	9.7	9.8	10.0	8.60	15.5	30.7	1.55
7290.0	9:23	58.7	50	131	9.7	9.8	10.1	8.60	15.5	28.1	1.69
7295.0	9:27	83.3	50	131	9.8	9.8	10.0	8.60	15.5	30.5	1.57
7300.0	9:32	58.4	51	131	9.7	9.8	10.1	8.60	15.5	27.9	1.69
4845											
7305.0	9:42	62.0	47	127	9.8	9.8	10.2	8.60	15.5	31.1	1.58
7310.0	9:46	69.0	52	133	9.8	9.8	10.2	8.60	15.5	29.5	1.63
7315.0	9:51	67.9	51	135	9.7	9.8	10.1	8.60	15.5	29.2	1.64
7320.0	9:56	59.8	50	135	9.7	9.8	10.1	8.60	15.5	28.5	1.67
7325.0	10: 0	72.7	49	135	9.8	9.8	10.1	8.60	15.5	30.2	1.59
7330.0	10: 5	71.1	50	135	9.8	9.8	10.0	8.60	15.5	29.1	1.63
7335.0	10:14	68.6	50	134	9.8	9.8	10.0	8.60	15.5	34.2	1.40
7340.0	10:19	59.4	48	128	9.8	9.4	10.1	8.60	15.5	41.2	1.37
7345.0	10:24	67.1	47	130	9.8	9.6	10.1	8.60	15.5	30.2	1.60
7350.0	10:29	60.3	48	130	9.8	9.4	10.0	8.60	15.5	29.3	1.62
4895											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
4895											
7355.0	10:33	65.8	47	130	9.8	9.5	10:1	8.60	15.5	30.2	1.59
7360.0	10:37	77.9	45	131	9.8	9.5	10.1	8.60	15.5	32.2	1.52
7365.0	10:43	57.8	48	132	9.8	9.5	10.0	8.60	15.5	27.8	1.69
7370.0	10:56	54.5	48	130	9.8	9.6	10.1	8.60	15.5	36.0	1.45
7375.0	11: 1	76.6	46	131	9.8	9.6	10.1	8.60	15.5	31.2	1.56
7380.0	11: 9	69.8	45	119	9.8	9.6	10.0	8.60	15.5	30.7	1.58
7385.0	11:15	49.5	45	137	9.8	9.6	10.1	8.60	15.5	28.6	1.69
7390.0	11:21	58.0	48	137	9.8	9.5	10.0	8.60	15.5	29.0	1.65
7395.0	11:25	70.4	48	137	9.8	9.4	10.1	8.60	15.5	30.4	1.62
7400.0	11:36	65.0	47	131	9.8	9.5	10.0	8.60	15.5	33.7	1.52
4944											
7405.0	11:42	56.7	47	129	9.8	9.6	10.1	8.60	15.5	30.4	1.61
7410.0	11:48	51.9	48	132	9.7	9.7	10.1	8.60	15.6	29.7	1.64
7415.0	11:52	65.4	49	132	9.7	9.8	10.0	8.60	15.6	29.7	1.62
7420.0	11:58	52.6	51	134	9.7	9.7	10.1	8.60	15.6	27.6	1.73
7425.0	12: 4	59.3	49	135	9.7	9.7	10.0	8.60	15.6	28.7	1.67
7430.0	12:19	57.5	51	124	9.7	9.7	10.1	8.60	15.6	29.8	1.63
7435.0	12:22	71.1	48	138	9.8	9.5	10.5	8.60	15.6	34.2	1.52
7440.0	12:29	49.6	50	139	9.8	9.8	10.9	8.60	15.6	29.7	1.76
7450.0	12:40	57.1	50	140	9.8	9.8	11.4	8.60	15.6	33.5	1.68
7455.0	12:45	56.8	51	139	9.8	9.6	11.8	8.60	15.6	33.9	1.71
4995											
7460.0	12:50	67.1	52	138	9.8	9.8	11.5	8.60	15.6	33.8	1.67
7465.0	13: 1	63.6	51	133	9.8	9.6	11.7	8.60	15.6	34.5	1.65
7470.0	13: 8	46.2	51	133	9.9	9.7	10.7	8.60	15.6	28.8	1.76
7475.0	13:13	58.8	51	132	9.9	9.8	10.5	8.60	15.6	31.4	1.61
7480.0	13:20	44.2	52	133	9.9	9.8	10.5	8.60	15.6	27.7	1.77
7485.0	13:26	51.6	51	133	9.8	9.8	10.6	8.60	15.6	29.5	1.71
7490.0	13:34	42.7	48	135	9.8	9.8	10.4	8.60	15.6	27.7	1.76
7495.0	13:48	55.2	52	127	9.9	9.8	10.4	8.60	15.6	29.3	1.69
7500.0	13:54	51.5	53	126	9.9	9.9	10.3	8.60	15.6	29.4	1.67
7505.0	14: 0	44.6	53	127	9.9	10.0	10.3	8.60	15.6	28.4	1.72
5045											
7510.0	14: 8	44.7	48	129	9.9	10.0	10.3	8.60	15.6	27.7	1.74
7515.0	14:16	40.3	50	129	10.0	9.8	10.3	8.60	15.6	27.0	1.76
7520.0	14:23	43.3	53	133	10.1	10.1	10.3	8.60	15.6	26.9	1.77
7525.0	14:40	38.9	55	139	10.0	9.9	10.3	8.60	15.6	25.7	1.84
7530.0	14:47	48.2	55	140	9.9	9.7	10.4	8.60	15.6	27.3	1.79
7535.0	14:54	47.5	56	140	9.9	9.7	10.3	8.60	15.6	26.7	1.83
7540.0	15: 0	52.5	55	137	9.8	9.8	10.3	8.60	15.6	28.2	1.77
7545.0	15: 7	44.1	56	138	9.8	9.7	10.3	8.60	15.6	26.4	1.85
7550.0	15:22	51.3	55	132	9.8	9.7	10.4	8.60	15.6	27.8	1.78
7555.0	15:28	48.7	54	140	9.9	9.9	10.3	8.60	15.6	28.8	1.73
5095											
7560.0	15:38	51.3	51	133	9.9	9.8	10.5	8.60	15.6	29.4	1.70
7565.0	15:45	53.3	53	140	9.9	9.9	10.2	8.60	15.6	27.5	1.75
7570.0	15:52	43.5	54	140	9.9	9.9	10.2	8.60	15.6	26.6	1.81
7575.0	15:59	43.6	50	143	9.9	9.9	10.3	8.60	15.6	27.3	1.77
7580.0	16: 7	41.0	50	143	10.0	9.9	10.3	8.60	15.6	26.7	1.78
7590.0	16:29	36.0	52	139	10.0	9.9	10.3	8.60	15.6	27.3	1.76
7595.0	16:36	46.0	52	137	10.0	9.9	10.3	8.60	15.6	27.5	1.75
7600.0	16:42	46.8	53	136	10.0	9.9	10.3	8.60	15.6	27.6	1.76
7605.0	16:49	45.9	52	139	10.0	9.9	10.3	8.60	15.6	27.6	1.75
7610.0	16:56	45.3	54	139	10.0	9.9	10.3	8.60	15.6	27.1	1.79
5149											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
5149											
7615.0	17: 3	44.9	52	138	9.9	9.8	10.4	8.60	15.6	27.6	1.77
7620.0	17:20	37.7	55	113	9.9	9.7	10.4	8.60	15.6	27.4	1.79
7625.0	17:27	44.4	57	135	9.9	9.8	10.3	8.60	15.6	26.9	1.82
7630.0	17:35	38.3	56	137	9.9	9.9	10.3	8.60	15.6	25.7	1.88
7635.0	17:42	45.3	56	137	9.9	9.9	10.3	8.60	15.6	27.1	1.81
7640.0	17:50	38.5	54	138	9.9	9.9	10.2	8.60	15.6	25.9	1.84

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	64										
				NEW BIT ID:	7						
7650.0	7:30	32.4	31	114	9.5	10.1	9.6	8.60	15.7	29.7	1.61
7655.0	7:49	16.1	36	122	9.6	10.1	9.6	8.60	15.7	21.6	1.93
7660.0	8:11	13.7	38	125	9.9	10.1	9.7	8.60	15.7	20.4	1.98
7665.0	8:29	16.7	43	124	10.1	10.2	9.9	8.60	15.7	20.8	1.96
7670.0	8:48	18.7	46	130	9.7	9.6	10.0	8.60	15.7	20.3	1.98
7675.0	9: 2	21.6	51	143	9.6	9.5	10.0	8.60	15.7	19.8	2.02
7680.0	9:15	24.7	51	147	9.6	9.8	9.9	8.60	15.7	20.5	2.00
7685.0	9:42	25.4	50	136	9.8	9.9	9.8	8.60	15.7	21.3	1.97
7690.0	9:54	23.9	50	145	9.8	10.0	9.8	8.60	15.7	20.6	2.01
7695.0	10: 6	27.9	51	145	9.7	9.8	9.9	8.60	15.7	21.5	1.97
	114										
7700.0	10:17	26.5	52	146	9.6	9.6	9.8	8.60	15.7	20.9	2.00
7705.0	10:28	33.4	52	146	9.7	9.7	9.8	8.60	15.7	22.3	1.94
7710.0	10:38	34.0	52	146	9.7	9.8	9.8	8.60	15.7	22.4	1.94
7715.0	10:58	40.3	51	130	9.9	9.8	9.8	8.60	15.7	23.9	1.87
7720.0	11: 8	29.0	52	140	9.9	9.8	9.9	8.60	15.7	22.2	1.95
7725.0	11:19	30.5	52	142	9.9	9.7	9.9	8.60	15.7	22.7	1.93
7730.0	11:29	30.0	50	142	9.7	9.8	9.9	8.60	15.7	23.2	1.90
7735.0	11:39	30.5	51	142	9.7	9.8	9.9	8.60	15.8	22.7	1.93
7740.0	11:48	29.9	54	141	9.8	9.8	9.9	8.60	15.8	22.4	1.96
7745.0	12:16	30.6	55	143	9.8	9.8	9.9	8.60	15.8	22.3	1.97
	162										
7750.0	12:25	35.7	55	148	9.8	9.8	9.9	8.60	15.8	23.0	1.94
7755.0	12:36	28.6	49	143	9.9	9.8	9.9	8.60	15.8	22.8	1.93
7760.0	12:47	27.9	50	142	9.8	9.7	9.9	8.60	15.8	22.6	1.94
7765.0	12:57	31.8	51	149	9.8	9.7	9.9	8.60	15.8	23.2	1.92
7770.0	13: 1	28.6	51	149	9.8	9.7	9.9	8.60	15.8	22.6	1.94
7775.0	13:40	32.1	52	145	9.8	9.7	9.9	8.60	15.8	23.5	1.91
7780.0	13:44	35.2	53	146	9.8	9.7	9.9	8.60	15.8	24.1	1.89
7785.0	13:52	38.8	52	146	9.9	9.8	9.9	8.60	15.8	24.6	1.87
7790.0	14: 1	35.1	52	147	9.8	9.7	9.9	8.60	15.8	24.0	1.90
7795.0	14:12	29.4	52	147	9.8	10.0	9.9	8.60	15.8	22.5	1.97
	203										
7800.0	14:22	31.8	52	147	9.8	9.9	9.9	8.60	15.8	23.5	1.92
7805.0	14:31	35.9	53	147	9.8	9.9	9.9	8.60	15.8	24.1	1.90
7810.0	14:53	35.1	53	141	9.9	9.9	9.9	8.60	15.8	24.6	1.89
7815.0	15: 3	34.2	51	145	9.8	9.9	9.9	8.60	15.8	24.1	1.90
7820.0	15:14	28.5	50	147	9.8	9.8	9.9	8.60	15.8	23.3	1.94
7825.0	15:22	36.9	50	147	9.8	9.6	9.9	8.60	15.8	25.3	1.85
7830.0	15:31	36.8	50	148	9.8	9.7	9.9	8.60	15.8	25.1	1.86
7835.0	15:40	47.0	50	147	9.8	9.8	10.0	8.60	15.8	26.1	1.82
7840.0	16: 5	33.5	50	148	9.8	9.7	9.9	8.60	15.8	24.5	1.89
7845.0	16:11	53.3	51	148	9.8	9.8	9.9	8.60	15.8	27.5	1.76
	253										
7850.0	16:18	44.4	52	139	9.7	9.9	9.9	8.60	15.8	26.6	1.80
7855.0	16:26	41.9	53	139	9.8	9.8	9.9	8.60	15.8	26.1	1.82
7860.0	16:34	37.2	52	139	9.8	9.7	9.9	8.60	15.8	25.3	1.86
7865.0	16:45	28.0	52	140	9.8	9.7	9.9	8.60	15.8	23.2	1.95
7870.0	17: 6	37.4	53	138	9.8	9.6	9.9	8.60	15.8	24.9	1.88
7875.0	17:17	27.8	54	138	9.8	9.8	9.9	8.60	15.8	22:7	1.99
7880.0	17:29	26.1	54	142	9.8	9.7	9.9	8.60	15.8	22.4	2.00

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
288											
7885.0	17:42	24.8	53	142	9.8	10.0	9.9	8.60	15.8	22.1	2.02
7890.0	17:54	28.9	54	141	9.9	9.9	9.9	8.60	15.8	22.7	2.00
7895.0	18:10	19.5	54	143	9.8	9.9	9.9	8.60	15.8	20.2	2.11
7900.0	18:40	22.2	56	142	9.8	9.8	9.9	8.60	15.8	20.9	2.09
7905.0	18:52	25.1	54	139	9.8	10.1	9.9	8.60	15.8	22.3	2.01
7910.0	18:58	58.7	53	139	9.8	10.2	9.9	8.60	15.8	28.5	1.73
7920.0	20:11	102.0	53	138	9.6	9.9	9.9	8.60	15.8	32.9	1.53
7925.0	20:17	53.7	52	140	9.6	9.9	9.9	8.60	15.8	28.2	1.75
7935.0	20:37	77.4	50	135	9.7	9.8	9.9	8.60	15.8	31.3	1.60
7940.0	20:42	71.7	49	140	9.7	9.9	9.8	8.60	15.8	31.2	1.62
342											
7945.0	20:45	109.5	49	141	9.7	9.8	9.8	8.60	15.8	33.3	1.52
7950.0	20:53	41.9	50	142	9.7	9.7	9.8	8.60	15.8	26.6	1.82
7955.0	21: 1	36.7	51	144	9.7	9.7	9.8	8.60	15.8	25.5	1.88
7960.0	21:20	37.4	50	137	9.7	9.7	9.8	8.60	15.8	26.3	1.84
7965.0	21:29	37.1	51	140	9.7	9.8	9.8	8.60	15.8	25.9	1.86
7970.0	21:37	35.3	50	142	9.8	9.9	9.8	8.60	15.8	25.7	1.87
7975.0	21:46	38.2	50	144	9.7	9.8	9.8	8.60	15.8	25.9	1.86
7980.0	21:56	33.3	50	143	9.8	9.7	9.8	8.60	15.9	25.1	1.90
7985.0	22: 4	37.8	51	141	9.7	9.7	9.8	8.60	15.9	26.3	1.85
7990.0	23:26	91.5	50	135	9.7	9.7	9.8	8.60	15.9	32.9	1.55
390											
7995.0	23:29	126.8	49	128	9.7	9.6	9.8	8.60	15.9	36.3	1.39
8000.0	23:34	97.1	49	140	9.7	9.8	9.8	8.60	15.9	33.2	1.54
8005.0	23:38	94.5	45	142	9.7	9.8	9.8	8.60	15.9	34.3	1.50
8010.0	23:41	94.7	44	140	9.6	9.7	9.8	8.60	15.9	35.0	1.48
8020.0	0:42	162.0	46	132	9.7	9.7	9.8	8.60	15.9	38.7	1.30
8025.0	0:43	175.4	51	135	9.6	9.7	9.7	8.60	15.9	37.7	1.33
8030.0	0:58	129.5	49	133	9.7	9.7	9.7	8.60	15.9	35.9	1.42
8035.0	1: 0	201.7	53	125	9.7	9.7	9.7	8.60	15.9	38.6	1.29
8040.0	1: 1	228.0	57	128	9.7	9.7	9.7	8.60	15.9	39.2	1.27
8045.0	1: 3	131.9	52	138	9.7	9.7	9.8	8.60	15.9	35.3	1.45
431											
8050.0	1: 5	152.9	53	139	9.7	9.7	9.8	8.60	15.9	36.6	1.39
8055.0	1: 8	142.3	55	128	9.6	9.7	9.8	8.60	15.9	36.2	1.41
8060.0	1:18	82.4	52	135	9.6	9.7	9.8	8.60	15.9	32.1	1.60
8065.0	1:21	132.5	47	130	9.7	9.7	9.9	8.60	15.9	37.0	1.38
8070.0	1:23	159.7	50	124	9.7	9.7	9.9	8.60	15.9	37.6	1.34
8075.0	1:26	112.0	54	126	9.6	9.7	9.9	8.60	15.9	34.8	1.47
8080.0	1:32	57.7	55	135	9.6	9.7	9.9	8.60	15.9	29.0	1.75
8085.0	1:36	69.4	56	139	9.6	9.7	9.9	8.60	15.9	30.5	1.69
8090.0	1:41	72.6	55	137	9.7	9.7	9.8	8.60	15.9	31.1	1.66
8095.0	2:23	69.1	52	128	9.7	9.9	9.8	8.60	15.9	31.4	1.63
477											
8100.0	2:27	92.5	51	128	9.7	10.0	9.8	8.60	15.9	33.3	1.54
8105.0	2:30	96.5	48	130	9.8	10.1	9.8	8.60	15.9	34.6	1.49
8110.0	2:42	106.0	52	127	9.9	10.0	9.9	8.60	15.9	34.6	1.49
8115.0	2:45	92.7	54	142	10.0	10.0	9.9	8.60	15.9	32.7	1.58
8120.0	2:49	98.7	53	142	10.0	10.0	9.9	8.60	15.9	33.3	1.55
8125.0	3: 3	69.2	53	132	9.9	9.9	10.0	8.60	15.9	31.7	1.62
8130.0	3: 9	59.3	48	126	9.9	9.9	10.0	8.60	15.9	31.9	1.60
8135.0	3:48	88.1	49	133	9.8	10.3	10.0	8.60	15.9	34.3	1.50
8140.0	3:53	65.7	48	125	9.7	10.5	10.0	8.60	15.9	32.7	1.57
8145.0	3:58	62.8	48	127	9.7	10.6	10.0	8.60	15.9	31.7	1.61
525											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	525										
8150.0	4: 3	64.3	47	128	9.8	10.6	10.0	8.60	15.9	32.4	1.59
8155.0	4:28	70.9	48	133	9.9	10.6	9.9	8.60	15.9	32.6	1.58
8160.0	4:32	89.6	46	145	9.9	10.4	10.0	8.60	15.9	34.9	1.50
8165.0	4:37	69.9	50	146	9.9	10.5	10.0	8.60	15.9	31.6	1.64
8170.0	4:40	88.1	50	143	9.9	10.5	10.0	8.60	15.9	33.6	1.54
8175.0	4:45	85.7	49	145	9.9	10.2	10.0	8.60	15.9	33.2	1.57
8180.0	4:47	135.7	47	145	9.9	10.1	10.0	8.60	15.9	37.4	1.39
8190.0	5: 3	100.0	48	135	9.9	9.9	10.0	8.60	15.9	35.6	1.46
8195.0	5: 6	134.5	48	141	9.8	9.9	10.1	8.60	15.9	37.1	1.39
8200.0	5:10	70.7	52	142	9.9	10.0	10.1	8.60	15.9	32.0	1.62
	579										
8205.0	5:14	99.9	47	138	9.9	10.1	10.1	8.60	15.9	35.8	1.45

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	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	64										
				NEW BIT ID:	2						
865.0	20:18	-.86	67	69	.00	.00	12	7	1278	.0	1
875.0	20:28	-.82	67	69	.00	.00	12	7	1271	.0	1
900.0	20:29	-.64	67	69	.00	.00	12	7	1271	.0	1
950.0	20:29	-3.27	67	69	.00	.00	12	7	1267	.0	1
1000.0	20:34	-3.37	67	69	.00	.00	12	7	1267	.0	1
1050.0	20:35	-.79	67	69	.00	.00	12	7	1262	.0	1
1100.0	20:35	-.35	67	69	.00	.00	12	7	1262	.0	1
1150.0	20:41	.07	67	69	.00	.00	12	7	1256	.0	1
1200.0	20:41	.21	67	69	.00	.00	12	7	1256	.0	1
1250.0	20:46	.83	67	69	.00	.00	12	7	1251	.0	1
	78										
1300.0	20:47	1.40	67	69	.00	.00	12	7	1255	.0	1
1350.0	20:53	1.42	67	69	.00	.00	12	7	1255	.0	1
1400.0	20:57	1.65	66	69	.00	.00	12	7	1290	.0	1
1405.0	20:58	.58	67	69	.00	.00	12	7	1290	.0	1
1410.0	21:20	1.28	67	69	.00	.00	12	7	1290	.0	1
1415.0	21:21	-.51	67	69	.00	.00	12	7	1290	.0	1
1420.0	21:28	.21	67	69	.00	.00	12	7	1282	.0	1
1425.0	21:29	1.55	67	69	.00	.00	12	7	1278	.0	1
1430.0	21:29	1.05	67	69	.00	.00	12	7	1278	.0	1
1435.0	21:35	1.47	67	69	.00	.00	12	7	1258	.0	1
	88										
1440.0	21:35	1.20	67	69	.00	.00	12	7	1258	.0	1
1445.0	21:36	1.58	67	70	.00	.00	12	7	1258	.0	1
1450.0	22:55	1.48	66	70	.00	.00	12	7	1229	.0	1
1455.0	22:56	1.98	66	70	.00	.00	12	7	1241	.0	1
1460.0	22:56	.79	66	70	.00	.00	12	7	1246	.0	1
1465.0	23: 3	2.31	66	70	.00	.00	12	7	1235	.0	1
1470.0	23: 5	2.30	66	70	.00	.00	12	7	1264	.0	1
1475.0	23:10	2.14	66	70	.00	.00	12	7	1198	.0	1
1480.0	23:10	2.22	66	70	.00	.00	12	7	1275	.0	1
1485.0	23:11	2.18	67	70	.00	.00	12	7	1280	.0	1
	98										
1490.0	23:11	2.23	67	70	.00	.00	12	7	1276	.0	1
1495.0	23:12	2.20	67	70	.00	.00	12	7	1276	.0	1
1500.0	23:12	1.67	66	70	.00	.00	12	7	1279	.0	1
1505.0	23:12	2.47	67	70	.00	.00	12	7	1279	.0	1
1510.0	23:13	1.68	66	70	.00	.00	12	7	1279	.0	1
1515.0	23:18	2.49	66	70	.00	.00	12	7	1143	.0	1
1520.0	23:18	2.69	66	70	.00	.00	12	7	1282	.0	1
1525.0	23:18	2.38	66	70	.00	.00	12	7	1282	.0	1
1530.0	23:19	2.70	66	70	.00	.00	12	7	1282	.0	1
1535.0	23:19	2.37	66	70	.00	.00	12	7	1282	.0	1
	108										
1540.0	23:19	2.59	66	70	.00	.00	12	7	1282	.0	1
1545.0	23:20	2.49	66	70	.00	.00	12	7	1282	.0	1
1550.0	23:20	2.35	66	70	.00	.00	12	7	1282	.0	1
1555.0	23:27	2.21	66	70	.00	.00	12	7	1272	.0	1
1560.0	23:28	2.35	66	70	.00	.00	12	7	1301	.0	1
1565.0	23:28	2.50	66	70	.00	.00	12	7	1301	.0	1
1570.0	23:33	2.56	66	70	.00	.00	12	7	1206	.0	1

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
115											
1575.0	23:33	2.61	66	70	.00	.00	12	7	1265	.0	1
1580.0	23:34	2.51	66	70	.00	.00	12	7	1265	.0	1
1585.0	23:34	2.37	66	70	.00	.00	12	7	1265	.0	1
1590.0	23:34	2.39	66	70	.00	.00	12	7	1260	.0	1
1595.0	23:34	2.86	66	70	.00	.00	12	7	1260	.0	1
1600.0	23:35	2.69	66	70	.00	.00	12	7	1260	.0	1
1605.0	23:47	2.88	66	70	.00	.00	12	7	1248	.0	1
1610.0	23:48	2.19	66	70	.00	.00	12	7	1248	.0	1
1615.0	23:48	2.76	66	70	.00	.00	12	7	1252	.0	1
1620.0	23:49	1.90	66	70	.00	.00	12	7	1252	.0	1
125											
1625.0	23:49	1.70	66	70	.00	.00	12	7	1252	.0	1
1630.0	23:49	1.65	66	70	.00	.00	12	7	1252	.0	1
1635.0	23:56	2.64	66	70	.00	.00	12	7	1119	.0	1
1640.0	23:57	2.72	66	70	.00	.00	12	7	1287	.0	1
1645.0	23:58	2.84	66	70	.00	.00	12	7	1287	.0	1
1650.0	23:58	2.87	66	70	.00	.00	12	7	1287	.0	1
1655.0	23:59	2.65	66	70	.00	.00	12	7	1287	.0	1
1660.0	0:14	2.89	66	70	.00	.00	12	7	1261	.0	3
1665.0	0:15	2.92	66	70	.00	.00	12	7	1257	.0	1
1670.0	0:15	2.61	66	69	.00	.00	12	7	1253	.0	2
138											
1675.0	0:16	2.46	66	69	.00	.00	12	7	1253	.0	1
1680.0	0:16	2.47	66	69	.00	.00	12	7	1253	.0	1
1685.0	0:17	2.56	66	69	.00	.00	12	7	1253	.0	2
1690.0	0:17	2.54	66	69	.00	.00	12	7	1253	.0	1
1695.0	0:21	2.61	66	69	.00	.00	12	7	1253	.0	1
1700.0	0:21	2.39	66	69	.00	.00	12	7	1249	.0	1
1705.0	0:22	2.47	66	69	.00	.00	12	7	1249	.0	3
1710.0	0:22	2.41	66	69	.00	.00	12	7	1249	.0	1
1715.0	0:30	2.51	66	69	.00	.00	12	7	888	.0	1
1720.0	0:31	2.38	66	69	.00	.00	12	7	746	.0	2
152											
1725.0	0:32	2.37	66	69	.00	.00	12	7	746	.0	1
1730.0	0:32	2.33	66	69	.00	.00	12	7	1038	.0	1
1735.0	0:33	2.82	66	69	.00	.00	12	7	1201	.0	4
1740.0	0:35	2.97	66	69	.00	.00	12	7	888	.0	5
1745.0	0:37	2.63	66	69	.00	.00	12	7	754	.0	2
1750.0	0:38	2.60	66	69	.00	.00	12	7	752	.0	2
1755.0	0:39	2.59	66	69	.00	.00	12	7	751	.0	1
1760.0	1: 9	2.90	66	69	.00	.00	12	7	1046	.0	3
1765.0	1:10	3.14	66	69	.00	.00	12	7	1267	.0	4
1770.0	1:11	3.20	66	69	.00	.00	12	7	1267	.0	4
179											
1775.0	1:12	2.87	66	69	.00	.00	12	7	1267	.0	1
1780.0	1:13	2.65	66	69	.00	.00	12	7	1262	.0	1
1785.0	1:22	3.06	66	69	.00	.00	12	7	1245	.0	2
1790.0	1:23	2.90	66	69	.00	.00	12	7	1227	.0	2
1795.0	1:24	3.06	66	69	.00	.00	12	7	1228	.0	4
1800.0	1:26	3.00	66	70	.00	.00	12	7	1226	.0	3
1805.0	1:27	2.99	66	70	.00	.00	12	7	1226	.0	3
1810.0	1:35	3.01	66	70	.00	.00	12	7	1180	.0	4
1815.0	1:37	3.17	66	70	.00	.00	12	7	1264	.0	4
1820.0	1:38	3.04	66	70	.00	.00	12	7	1234	.0	5
208											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
208											
1825.0	1:39	2.95	66	70	.00	.00	12	7	1234	.0	3
1830.0	1:40	2.75	66	70	.00	.00	12	7	1234	.0	2
1835.0	1:41	2.81	66	70	.00	.00	12	7	1234	.0	3
1840.0	1:42	2.75	66	69	.00	.00	12	7	1234	.0	3
1845.0	1:50	2.83	66	69	.00	.00	12	7	1192	.0	3
1850.0	1:51	2.91	66	69	.00	.00	12	7	1259	.0	2
1855.0	1:52	2.89	66	69	.00	.00	12	7	1259	.0	2
1860.0	1:53	2.75	66	69	.00	.00	12	7	1259	.0	1
1865.0	1:54	2.82	66	69	.00	.00	12	7	1259	.0	1
1870.0	1:55	2.76	66	69	.00	.00	12	7	1259	.0	3
231											
1875.0	2: 3	2.94	66	69	.00	.00	12	7	1225	.0	2
1880.0	2: 4	2.48	66	69	.00	.00	12	7	1267	.0	1
1885.0	2: 6	2.68	66	69	.00	.00	12	7	1267	.0	2
1890.0	2: 6	2.43	66	69	.00	.00	12	7	1267	.0	1
1895.0	2: 6	2.46	66	69	.00	.00	12	7	1258	.0	1
1900.0	2: 7	2.46	66	69	.00	.00	12	7	1247	.0	1
1910.0	2:24	2.70	66	69	.00	.00	12	7	1228	.0	3
1915.0	2:26	2.95	66	69	.00	.00	12	7	1272	.0	4
1920.0	2:27	2.88	66	69	.00	.00	12	7	1272	.0	2
1925.0	2:27	2.85	66	69	.00	.00	12	7	1272	.0	3
251											
1930.0	2:28	2.67	66	69	.00	.00	12	7	1272	.0	2
1935.0	2:41	2.72	66	69	.00	.00	12	7	1254	.0	1
1940.0	2:41	2.47	66	69	.00	.00	12	7	1249	.0	1
1945.0	2:42	3.03	66	69	.00	.00	12	7	1249	.0	4
1950.0	2:44	3.00	66	69	.00	.00	12	7	1249	.0	4
1955.0	2:46	2.85	66	69	.00	.00	12	7	1249	.0	2
1960.0	2:46	2.99	66	69	.00	.00	12	7	1249	.0	2
1965.0	2:49	2.67	66	69	.00	.00	12	7	1249	.0	3
1970.0	2:57	3.01	66	69	.00	.00	12	7	1213	.0	2
1975.0	2:59	2.87	66	69	.00	.00	12	7	1251	.0	1
273											
1980.0	3: 0	2.85	66	69	.00	.00	12	7	1251	.0	2
1985.0	3: 1	2.68	66	69	.00	.00	12	7	1251	.0	2
1990.0	3: 2	2.81	66	69	.00	.00	12	7	1251	.0	3
1995.0	3: 3	2.71	66	69	.00	.00	12	7	1251	.0	2
2000.0	3: 3	2.61	66	69	.00	.00	12	7	1251	.0	1
2005.0	3:12	2.84	66	69	.00	.00	12	7	1211	.0	2
2010.0	3:13	2.80	66	69	.00	.00	12	7	1295	.0	3
2015.0	3:14	2.74	66	69	.00	.00	12	7	1295	.0	1
2020.0	3:14	2.95	66	69	.00	.00	12	7	1295	.0	1
2025.0	3:15	2.78	66	69	.00	.00	12	7	1295	.0	1
291											
2030.0	3:16	2.69	66	69	.00	.00	12	7	1295	.0	1
2035.0	3:27	2.79	66	69	.00	.00	12	7	1270	.0	3
2040.0	3:28	2.78	65	69	.00	.00	12	7	1267	.0	2
2045.0	3:29	2.84	65	69	.00	.00	12	7	1267	.0	2
2050.0	3:29	2.93	66	69	.00	.00	12	7	1267	.0	3
2055.0	3:30	2.75	66	69	.00	.00	12	7	1267	.0	2
2060.0	3:31	2.52	66	69	.00	.00	12	7	1267	.0	1
2065.0	3:32	2.74	66	69	.00	.00	12	7	1267	.0	4
2070.0	3:42	2.95	66	69	.00	.00	12	7	1250	.0	5
2075.0	3:43	2.84	66	70	.00	.00	12	7	1278	.0	4
318											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
318											
2080.0	3:44	2.94	66	70	.00	.00	12	7	1278	.0	3
2085.0	3:45	2.94	66	70	.00	.00	12	7	1278	.0	3
2090.0	3:54	3.23	66	70	.00	.00	12	7	740	.0	1
2095.0	3:54	2.78	66	70	.00	.00	12	7	1266	.0	1
2100.0	3:55	2.80	66	70	.00	.00	12	7	1263	.0	1
2105.0	3:56	2.58	66	70	.00	.00	12	7	1263	.0	1
2110.0	3:56	2.69	66	70	.00	.00	12	7	1263	.0	2
2115.0	3:57	2.55	66	70	.00	.00	12	7	1263	.0	1
2120.0	3:57	2.68	66	70	.00	.00	12	7	1258	.0	1
2125.0	3:58	2.80	66	70	.00	.00	12	7	1258	.0	2
334											
2130.0	4: 7	2.87	66	70	.00	.00	12	7	1235	.0	5
2135.0	4: 8	2.86	66	70	.00	.00	12	7	1247	.0	4
2140.0	4: 9	2.68	66	70	.00	.00	12	7	1247	.0	3
2145.0	4:10	2.85	66	70	.00	.00	12	7	1247	.0	2
2150.0	4:10	2.77	66	70	.00	.00	12	7	1247	.0	1
2155.0	4:11	2.74	66	70	.00	.00	12	7	1247	.0	3
2160.0	4:12	2.59	66	70	.00	.00	12	7	1249	.0	2
2165.0	4:20	2.84	66	70	.00	.00	12	7	1166	.0	3
2170.0	4:21	2.73	66	70	.00	.00	12	7	1247	.0	3
2175.0	4:23	2.93	66	70	.00	.00	12	7	1247	.0	3
363											
2180.0	4:23	2.66	66	70	.00	.00	12	7	1247	.0	2
2185.0	4:24	2.58	66	70	.00	.00	12	7	1247	.0	3
2190.0	4:25	2.70	66	70	.00	.00	12	7	1247	.0	2
2195.0	4:34	2.95	66	70	.00	.00	12	7	1208	.0	3
2200.0	4:35	2.65	67	70	.00	.00	12	7	1260	.0	2
2205.0	4:36	2.84	67	56	.00	.00	12	7	1260	.0	4
2210.0	4:37	2.48	67	52	.00	.00	12	7	1260	.0	1
2215.0	4:37	2.10	67	52	.00	.00	12	7	1260	.0	1
2220.0	4:38	2.70	67	52	.00	.00	12	7	1260	.0	1
2225.0	4:48	2.74	67	51	.00	.00	12	7	1225	.0	3
385											
2230.0	4:48	2.81	67	51	.00	.00	12	7	1272	.0	2
2235.0	4:51	2.80	67	51	.00	.00	12	7	1272	.0	2
2240.0	4:51	2.80	67	52	.00	.00	12	7	1272	.0	1
2245.0	4:52	2.98	67	52	.00	.00	12	7	1272	.0	2
2250.0	4:53	2.81	67	52	.00	.00	12	7	1272	.0	1
2255.0	5: 1	2.82	67	51	.00	.00	12	7	1116	.0	1
2260.0	5: 2	2.99	67	50	.00	.00	12	7	1270	.0	1
2265.0	5: 2	2.80	67	50	.00	.00	12	7	1270	.0	2
2270.0	5: 3	2.53	67	50	.00	.00	12	7	1270	.0	1
2275.0	5: 4	2.65	67	51	.00	.00	12	7	1270	.0	2
400											
2280.0	5: 4	2.84	67	51	.00	.00	12	7	1270	.0	1
2285.0	5:12	2.85	67	51	.00	.00	12	7	1263	.0	4
2290.0	5:13	2.81	68	72	.00	.00	12	7	1295	.0	2
2295.0	5:14	2.78	68	72	.00	.00	12	7	1295	.0	3
2300.0	5:15	2.78	68	72	.00	.00	12	7	1295	.0	2
2305.0	5:16	2.79	68	72	.00	.00	12	7	1295	.0	3
2310.0	5:17	2.59	68	72	.00	.00	12	7	1295	.0	1
2315.0	5:26	2.88	68	72	.00	.00	12	7	1274	.0	3
2320.0	5:27	2.83	68	72	.00	.00	12	7	1271	.0	2
2325.0	5:28	2.93	68	72	.00	.00	12	7	1269	.0	4
425											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
425											
2330.0	5:29	2.77	68	72	.00	.00	12	7	1269	.0	4
2335.0	5:39	2.81	68	72	.00	.00	12	7	1222	.0	3
2340.0	5:39	2.91	68	72	.00	.00	12	7	1276	.0	1
2345.0	5:40	2.87	68	72	.00	.00	12	7	1282	.0	1
2350.0	5:40	2.59	68	72	.00	.00	12	7	1282	.0	1
2355.0	5:41	2.82	68	72	.00	.00	12	7	1282	.0	1
2360.0	5:41	2.54	68	71	.00	.00	12	7	1277	.0	1
2365.0	5:42	2.60	68	71	.00	.00	12	7	1277	.0	1
2370.0	5:43	2.66	68	71	.00	.00	12	7	1277	.0	1
2375.0	5:44	2.87	68	71	.00	.00	12	7	1277	.0	2
441											
2380.0	5:55	2.81	68	71	.00	.00	12	7	1201	.0	3
2385.0	5:56	2.91	68	71	.00	.00	12	7	1260	.0	2
2390.0	5:58	3.10	68	71	.00	.00	12	7	1260	.0	4
2395.0	5:59	2.98	68	71	.00	.00	12	7	1260	.0	3
2400.0	6: 0	3.00	68	71	.00	.00	12	7	1260	.0	1
2405.0	6: 1	2.90	68	71	.00	.00	12	7	1260	.0	2
2410.0	6: 1	2.86	68	51	.00	.00	12	7	1260	.0	2
2415.0	6:10	2.91	69	51	.00	.00	12	7	1245	.0	2
2420.0	6:11	3.04	69	51	.00	.00	12	7	1294	.0	2
2425.0	6:12	2.88	69	51	.00	.00	12	7	1294	.0	1
463											
2430.0	6:12	2.90	69	52	.00	.00	12	7	1294	.0	1
2435.0	6:13	2.66	69	52	.00	.00	12	7	1294	.0	1
2440.0	6:13	2.89	69	70	.00	.00	12	7	1294	.0	1
2445.0	6:25	2.71	69	71	.00	.00	12	7	1265	.0	4
2450.0	6:26	2.57	69	71	.00	.00	12	7	1263	.0	3
2455.0	6:27	2.73	69	71	.00	.00	12	7	1262	.0	1
2460.0	6:27	2.69	69	71	.00	.00	12	7	1233	.0	1
2465.0	6:28	2.80	69	71	.00	.00	12	7	1235	.0	2
2470.0	6:29	2.53	69	71	.00	.00	12	7	1237	.0	2
2475.0	6:31	2.68	69	71	.00	.00	12	7	1237	.0	4
483											
2480.0	6:48	2.89	69	71	.00	.00	12	7	1248	.0	2
2485.0	6:49	2.79	69	72	.00	.00	12	7	1263	.0	4
2490.0	6:49	2.64	69	72	.00	.00	12	7	1263	.0	3
2495.0	6:50	2.74	69	72	.00	.00	12	7	1263	.0	3
2500.0	6:51	2.78	69	72	.00	.00	12	7	1263	.0	3
2505.0	7: 5	2.96	69	72	.00	.00	12	7	1259	.0	3
2510.0	7: 7	3.02	69	72	.00	.00	12	7	1272	.0	4
2515.0	7: 8	2.88	69	72	.00	.00	12	7	1272	.0	2
2520.0	7: 9	3.01	69	72	.00	.00	12	7	1272	.0	5
2525.0	7:12	2.88	70	72	.00	.00	12	7	1272	.0	4
516											
2530.0	7:13	2.63	70	72	.00	.00	12	7	1272	.0	2
2535.0	7:19	2.89	70	72	.00	.00	12	7	1101	.0	1
2540.0	7:20	2.91	70	72	.00	.00	12	7	1272	.0	1
2545.0	7:22	3.07	70	72	.00	.00	12	7	1274	.0	4
2550.0	7:23	2.78	70	73	.00	.00	12	7	1276	.0	4
2555.0	7:24	2.69	70	73	.00	.00	12	7	1276	.0	1
2560.0	7:25	2.58	70	73	.00	.00	12	7	1276	.0	1
2565.0	7:26	2.71	70	73	.00	.00	12	7	1276	.0	2
2570.0	7:38	2.89	70	73	.00	.00	12	7	1230	.0	4
2575.0	7:41	3.09	70	73	.00	.00	12	7	1231	.0	1
537											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
537											
2580.0	7:41	2.94	70	73	.00	.00	12	7	1231	.0	1
2585.0	7:43	2.99	70	73	.00	.00	12	7	1227	.0	4
2590.0	7:45	2.92	70	73	.00	.00	12	7	1227	.0	3
2595.0	7:47	3.10	70	73	.00	.00	12	7	1230	.0	5
2600.0	7:49	3.20	70	73	.00	.00	12	7	1232	.0	4
2625.0	8:33	3.08	70	73	.00	.00	12	7	1202	.0	1
2650.0	8:33	3.02	70	73	.00	.00	12	7	1246	.0	1
2660.0	8:34	2.97	70	73	.00	.00	12	7	1246	.0	1
2665.0	8:34	2.88	70	73	.00	.00	12	7	1246	.0	1
2670.0	8:35	2.96	70	73	.00	.00	12	7	1246	.0	1
559											
2675.0	8:37	2.93	70	73	.00	.00	12	7	1246	.0	3
2680.0	8:39	2.98	70	73	.00	.00	12	7	1246	.0	4
2685.0	8:41	3.16	70	73	.00	.00	12	7	1246	.0	4
2690.0	8:45	2.96	70	73	.00	.00	12	7	1246	.0	5
2700.0	8:55	3.01	70	73	.00	.00	12	7	1253	.0	6
2705.0	8:57	3.14	70	73	.00	.00	12	7	1255	.0	5
2710.0	8:59	3.16	70	73	.00	.00	12	7	1251	.0	4
2715.0	9: 1	3.14	70	73	.00	.00	12	7	1250	.0	5
2720.0	9: 4	3.22	70	73	.00	.00	12	7	1250	.0	5
2725.0	9: 7	3.22	70	73	.00	.00	12	7	1250	.0	4
604											
2730.0	9:16	3.28	70	73	.00	.00	12	7	1239	.0	5
2735.0	9:18	3.18	70	73	.00	.00	12	7	1235	.0	5
2740.0	9:20	3.26	70	73	.00	.00	12	7	1235	.0	5
2745.0	9:23	3.25	70	73	.00	.00	12	7	1235	.0	4
2750.0	9:26	3.29	70	73	.00	.00	12	7	1235	.0	5
2755.0	9:28	3.18	70	73	.00	.00	12	7	1235	.0	4
2760.0	9:36	3.21	70	73	.00	.00	12	7	1244	.0	5
2765.0	9:39	3.37	70	73	.00	.00	12	7	1267	.0	5
2770.0	9:41	3.28	70	73	.00	.00	12	7	1271	.0	4
2775.0	9:44	3.18	70	74	.00	.00	12	7	1271	.0	4
650											
2780.0	9:48	3.37	70	74	.00	.00	12	7	1271	.0	5
2785.0	9:51	3.30	70	74	.00	.00	12	7	1271	.0	5
2790.0	9:54	3.17	70	74	.00	.00	12	7	1269	.0	4
2795.0	10: 7	3.34	70	74	.00	.00	12	7	1249	.0	5
2800.0	10:10	3.34	70	74	.00	.00	12	7	1239	.0	3
2805.0	10:13	3.32	70	74	.00	.00	12	7	1239	.0	4
2810.0	10:16	3.45	70	74	.00	.00	12	7	1242	.0	5
2815.0	10:20	3.42	70	74	.00	.00	12	7	1243	.0	5
2820.0	10:28	3.25	70	74	.00	.00	12	7	1252	.0	3
2825.0	10:31	3.33	71	74	.00	.00	12	7	1271	.0	5
694											
2830.0	10:33	3.23	71	74	.00	.00	12	7	1271	.0	5
2835.0	10:36	3.25	71	75	.00	.00	12	7	1271	.0	5
2840.0	10:39	3.21	71	75	.00	.00	12	7	1274	.0	5
2845.0	10:44	3.40	73	75	.00	.00	12	7	1275	.0	5
2850.0	10:48	3.38	75	75	.00	.00	12	7	1275	.0	5
2855.0	10:59	3.30	77	75	.00	.00	12	7	1270	.0	5
2860.0	11: 1	3.09	79	75	.00	.00	12	7	1266	.0	3
2865.0	11: 3	2.97	79	76	.00	.00	12	7	1266	.0	3
2870.0	11: 4	2.92	79	76	.00	.00	12	7	1266	.0	3
2875.0	11: 6	3.02	79	76	.00	.00	12	7	1263	.0	4
737											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
737											
2880.0	11:15	3.10	80	77	.00	.00	12	7	1262	.0	2
2885.0	11:17	3.08	80	77	.00	.00	12	7	1262	.0	2
2890.0	11:19	3.11	80	80	.00	.00	12	7	1253	.0	3
2895.0	11:21	3.11	80	81	.00	.00	12	7	1237	.0	4
2900.0	11:25	3.02	80	82	.00	.00	12	7	1237	.0	4
2905.0	11:27	3.16	80	83	.00	.00	12	7	1237	.0	4
2910.0	11:28	3.01	80	83	.00	.00	12	7	1237	.0	4
2912.0	11:28	3.08	80	83	.00	.00	12	7	1237	.0	1
NEW BIT ID: 3											
2915.0	2:43	2.73	83	78	.00	.00	12	7	1089	.0	3
2920.0	2:46	3.20	79	83	.00	.00	12	7	1088	.0	4
772											
2925.0	2:46	3.30	78	84	.00	.00	12	7	1088	.0	1
2930.0	2:47	3.13	78	84	.00	.00	12	7	1088	.0	1
2940.0	2:52	3.05	80	85	.00	.00	12	7	1090	.0	4
2945.0	2:57	3.01	82	85	.00	.00	12	7	1115	.0	5
2950.0	3:55	2.99	83	86	.00	.00	12	7	1115	.0	5
2955.0	3:56	3.06	83	63	.00	.00	12	7	1115	.0	4
2960.0	3:58	3.09	82	41	.00	.00	12	7	1115	.0	4
2965.0	4: 0	3.10	82	69	.00	.00	12	7	1115	.0	5
2970.0	4:11	3.10	81	88	.00	.00	12	7	1115	.0	5
2975.0	4:13	3.09	82	88	.00	.00	12	7	1115	.0	4
810											
2980.0	4:15	3.15	82	88	.00	.00	12	7	1115	.0	5
2985.0	4:17	3.18	83	88	.00	.00	12	7	1115	.0	5
2990.0	4:19	3.14	83	88	.00	.00	12	7	1115	.0	4
2995.0	4:21	2.96	83	88	.00	.00	12	7	1115	.0	4
3000.0	4:29	2.94	83	88	.00	.00	12	7	1115	.0	3
3005.0	4:30	3.04	83	88	.00	.00	12	7	1115	.0	4
3010.0	4:32	3.08	83	88	.00	.00	12	7	1115	.0	5
3015.0	4:34	3.08	84	89	.00	.00	12	7	1115	.0	4
3020.0	4:36	3.13	84	89	.00	.00	12	7	1115	.0	5
3025.0	4:38	3.08	85	89	.00	.00	12	7	1115	.0	5
854											
3030.0	4:41	3.10	85	90	.00	.00	12	7	1115	.0	4
3035.0	4:49	3.14	85	90	.00	.00	12	7	1115	.0	2
3040.0	4:51	3.07	86	91	.00	.00	12	7	1111	.0	4
3045.0	4:53	3.04	87	91	.00	.00	12	7	1111	.0	5
3050.0	4:57	3.34	87	92	.00	.00	12	7	1111	.0	4
3055.0	4:59	3.31	88	92	.00	.00	12	7	1129	.0	2
3060.0	5: 0	3.34	90	93	.00	.00	12	7	1144	.0	4
3065.0	5: 2	3.32	90	93	.00	.00	12	7	1144	.0	3
3070.0	5:10	3.29	90	93	.00	.00	12	7	1144	.0	5
3075.0	5:12	3.29	90	93	.00	.00	12	7	1144	.0	3
890											
3080.0	5:14	3.27	91	94	.00	.00	12	7	1144	.0	5
3085.0	5:16	3.28	91	94	.00	.00	12	7	1144	.0	5
3090.0	5:18	3.26	92	94	.00	.00	12	7	1144	.0	5
3095.0	5:20	3.29	92	94	.00	.00	12	7	1144	.0	5
3100.0	5:22	3.34	92	95	.00	.00	12	7	1144	.0	5
3105.0	5:34	3.26	92	95	.00	.00	12	7	1144	.0	5
3110.0	5:36	3.32	92	96	.00	.00	12	7	1144	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	922										
3115.0	5:38	3.28	93	97	.00	.00	12	7	1143	.0	4
3120.0	5:40	3.21	93	97	.00	.00	12	7	1141	.0	4
3125.0	5:41	3.26	93	98	.00	.00	12	7	1141	.0	4
3130.0	5:43	3.23	94	98	.00	.00	12	7	1147	.0	4
3135.0	5:51	3.23	94	99	.00	.00	12	7	1148	.0	5
3140.0	5:53	3.25	94	99	.00	.00	12	7	1148	.0	3
3145.0	5:54	3.26	94	99	.00	.00	12	7	1148	.0	4
3150.0	5:56	3.24	94	99	.00	.00	12	7	1148	.0	3
3155.0	5:58	3.21	94	99	.00	.00	12	7	1148	.0	3
3160.0	5:59	3.23	95	100	.00	.00	12	7	1148	.0	2
	958										
3165.0	6: 9	3.05	95	100	.00	.00	12	7	1148	.0	5
3170.0	6:11	3.35	94	100	.00	.00	12	7	1148	.0	4
3175.0	6:15	3.66	95	101	.00	.00	12	7	1148	.0	4
3180.0	6:17	3.35	95	101	.00	.00	12	7	1148	.0	5
3185.0	6:20	3.47	95	101	.00	.00	12	7	1148	.0	3
3190.0	6:21	3.25	96	102	.00	.00	12	7	1148	.0	3
3195.0	6:33	3.37	96	102	.00	.00	12	7	1148	.0	3
3200.0	6:40	3.89	96	102	.00	.00	12	7	1146	.0	5
3205.0	6:44	3.61	96	103	.00	.00	11	7	1144	.0	5
3210.0	6:45	3.34	96	103	.00	.00	11	7	1144	.0	4
	999										
3215.0	6:48	3.45	96	103	.00	.00	11	7	1144	.0	5
3220.0	6:50	3.30	96	103	.00	.00	11	7	1142	.0	5
3225.0	7: 5	3.33	96	104	.00	.00	9	7	1135	.0	4
3230.0	7: 7	3.49	96	104	.00	.00	9	7	1135	.0	4
3235.0	7: 9	3.39	96	104	.00	.00	9	7	1125	.0	4
3240.0	7:12	3.39	96	104	.00	.00	9	7	1123	.0	5
3245.0	7:13	3.35	97	104	.00	.00	9	7	1123	.0	2
3250.0	7:21	3.25	97	105	.00	.00	8	7	1117	.0	2
3255.0	7:22	3.31	97	105	.00	.00	8	7	1117	.0	2
3260.0	7:24	3.33	97	105	.00	.00	7	7	1109	.0	4
	1036										
3265.0	7:27	3.39	97	106	.00	.00	7	7	1109	.0	5
3270.0	7:30	3.39	97	106	.00	.00	7	7	1109	.0	5
3275.0	7:33	3.40	97	106	.00	.00	7	7	1109	.0	4
3280.0	7:36	3.36	97	106	.00	.00	7	7	1109	.0	5
3285.0	7:53	3.28	98	106	.00	.00	7	7	1109	.0	5
3290.0	7:56	3.37	97	107	.00	.00	7	7	1112	.0	5
3295.0	8: 0	3.51	97	106	.00	.00	7	7	1112	.0	5
3300.0	8: 3	3.33	98	105	.00	.00	7	7	1112	.0	5
3305.0	8: 7	3.32	98	105	.00	.00	7	7	1112	.0	5
3310.0	8:10	3.40	98	105	.00	.00	7	7	1112	.0	5
	1085										
3315.0	8:14	3.44	98	105	.00	.00	7	7	1112	.0	5
3320.0	8:23	3.12	99	105	.00	.00	7	7	1090	.0	1
3325.0	8:29	3.59	99	106	.00	.00	7	7	1097	.0	5
3330.0	8:33	3.34	100	106	.00	.00	7	7	1122	.0	5
3335.0	8:37	3.36	100	106	.00	.00	7	7	1122	.0	5
3340.0	8:39	3.28	100	106	.00	.00	7	7	1126	.0	5
3345.0	8:42	3.34	101	106	.00	.00	7	7	1126	.0	5
3350.0	8:46	3.36	101	106	.00	.00	7	7	1126	.0	5
3355.0	8:53	3.24	101	106	.00	.00	7	7	1098	.0	4
3360.0	8:56	3.37	101	106	.00	.00	7	7	1130	.0	5
	1130										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1130											
3365.0	8:59	3.36	102	106	.00	.00	7	7	1126	.0	5
3370.0	9: 2	3.35	102	106	.00	.00	7	7	1134	.0	5
3375.0	9: 5	3.42	103	107	.00	.00	7	7	1123	.0	5
3380.0	9: 8	3.31	103	108	.00	.00	7	7	1116	.0	5
3385.0	9:19	3.32	104	109	.00	.00	7	7	1117	.0	5
3390.0	9:22	3.34	105	109	.00	.00	7	7	1124	.0	5
3395.0	9:24	3.31	105	110	.00	.00	7	7	1124	.0	5
3400.0	9:27	3.39	105	110	.00	.00	7	7	1124	.0	5
3405.0	9:30	3.39	106	110	.00	.00	7	7	1122	.0	5
3410.0	9:39	3.40	106	110	.00	.00	7	7	1117	.0	4
1179											
3415.0	9:41	3.35	106	110	.00	.00	7	7	1108	.0	4
3420.0	9:44	3.39	106	110	.00	.00	7	7	1115	.0	5
3425.0	9:47	3.39	106	111	.00	.00	7	7	1115	.0	5
3430.0	9:50	3.33	106	111	.00	.00	7	7	1115	.0	5
3435.0	9:52	3.36	107	111	.00	.00	7	7	1115	.0	5
3440.0	9:54	3.34	107	111	.00	.00	7	7	1115	.0	5
3445.0	10:14	3.30	107	113	.00	.00	7	7	1117	.0	4
3450.0	10:17	3.45	107	115	.00	.00	7	7	1119	.0	5
3455.0	10:20	3.43	106	116	.00	.00	7	7	1114	.0	5
3460.0	10:23	3.45	107	116	.00	.00	7	7	1116	.0	5
1227											
3465.0	10:27	3.48	107	116	.00	.00	7	7	1116	.0	5
3470.0	10:30	3.41	107	116	.00	.00	7	7	1116	.0	5
3475.0	10:38	3.26	107	116	.00	.00	7	7	972	.0	4
3480.0	10:41	3.42	106	116	.00	.00	7	7	627	.0	5
3485.0	10:48	3.33	106	115	.00	.00	9	8	600	.0	5
3490.0	10:50	3.35	106	114	.00	.00	10	8	1127	.0	5
3495.0	10:53	3.40	106	114	.00	.00	10	8	1125	.0	5
3500.0	10:56	3.39	106	114	.00	.00	10	8	1124	.0	3
3505.0	10:59	3.41	106	114	.00	.00	10	8	1122	.0	5
3510.0	11: 8	3.12	106	114	.00	.00	10	8	1097	.0	4
1273											
3515.0	11:11	3.40	107	114	.00	.00	10	8	1115	.0	5
3520.0	11:14	3.47	107	114	.00	.00	10	8	1120	.0	5
3525.0	11:17	3.43	107	114	.00	.00	10	8	1116	.0	5
3530.0	11:20	3.44	107	114	.00	.00	10	8	1116	.0	5
3535.0	11:23	3.42	107	114	.00	.00	10	8	1116	.0	4
3540.0	11:30	3.15	107	114	.00	.00	10	8	1081	.0	4
3545.0	11:33	3.42	106	114	.00	.00	10	8	1081	.0	4
3550.0	11:36	3.47	106	114	.00	.00	10	8	1118	.0	5
3555.0	11:39	3.46	106	114	.00	.00	10	8	1115	.0	5
3560.0	11:42	3.46	106	114	.00	.00	10	8	1119	.0	5
1320											
3565.0	11:45	3.46	106	114	.00	.00	10	8	1131	.0	4
3570.0	11:48	3.52	106	114	.00	.00	10	8	1127	.0	5
3575.0	11:58	3.56	106	114	.00	.00	10	8	1110	.0	5
3580.0	12: 0	3.40	106	114	.00	.00	10	8	1129	.0	5
3585.0	12: 3	3.45	106	114	.00	.00	10	8	1138	.0	5
3590.0	12: 6	3.44	106	115	.00	.00	10	8	1138	.0	4
3595.0	12: 9	3.45	106	115	.00	.00	10	8	1133	.0	5
3600.0	12:11	3.45	106	115	.00	.00	10	8	1126	.0	4
3605.0	12:18	3.39	106	115	.00	.00	10	8	1095	.0	3
3610.0	12:20	3.45	106	115	.00	.00	10	8	1121	.0	3
1363											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1363											
3615.0	12:23	3.44	106	115	.00	.00	10	8	1127	.0	5
3620.0	12:26	3.51	106	115	.00	.00	10	8	1127	.0	5
3625.0	12:29	3.48	106	115	.00	.00	10	8	1127	.0	5
3630.0	12:32	3.52	106	116	.00	.00	10	8	1125	.0	5
3635.0	12:46	3.53	106	115	.00	.00	10	8	1111	.0	5
3640.0	12:52	3.50	105	114	.00	.00	10	8	644	.0	5
3645.0	12:57	3.53	105	114	.00	.00	10	8	648	.0	5
3650.0	13: 2	3.53	105	114	.00	.00	10	8	650	.0	5
3655.0	13: 8	3.50	104	113	.00	.00	10	8	987	.0	5
3660.0	13:11	3.50	104	114	.00	.00	10	8	1122	.0	5
1413											
3665.0	13:19	3.44	105	114	.00	.00	10	8	1106	.0	5
3670.0	13:23	3.37	105	114	.00	.00	10	8	1109	.0	5
3675.0	13:26	3.34	105	114	.00	.00	10	8	1111	.0	5
3680.0	13:30	3.46	105	114	.00	.00	10	8	1113	.0	5
3685.0	13:33	3.43	105	113	.00	.00	10	8	1118	.0	5
3690.0	13:37	3.44	105	114	.00	.00	10	8	1120	.0	5
3695.0	13:40	3.52	105	114	.00	.00	10	8	1122	.0	5
3700.0	13:50	3.43	106	114	.00	.00	10	8	1130	.0	5
3705.0	13:53	3.37	106	114	.00	.00	10	8	1126	.0	4
3710.0	13:55	3.29	106	114	.00	.00	10	8	1124	.0	5
1462											
3715.0	13:58	3.36	106	114	.00	.00	10	8	1123	.0	5
3720.0	14: 0	3.34	107	114	.00	.00	10	8	1121	.0	4
3725.0	14: 3	3.35	107	115	.00	.00	10	8	1121	.0	3
3730.0	14:10	3.26	107	115	.00	.00	10	8	1092	.0	4
3735.0	14:13	3.40	107	115	.00	.00	10	8	1130	.0	5
3740.0	14:15	3.26	107	115	.00	.00	10	8	1130	.0	5
3745.0	14:18	3.25	107	115	.00	.00	10	8	1126	.0	5
3750.0	14:21	3.40	107	116	.00	.00	10	8	1119	.0	5
3755.0	14:24	3.41	107	116	.00	.00	10	8	1124	.0	5
3760.0	14:40	3.74	107	116	.00	.00	10	8	1128	.0	4
1507											
3765.0	14:44	3.56	105	116	.00	.00	10	8	1126	.0	4
3770.0	14:47	3.50	105	116	.00	.00	10	8	1124	.0	5
3775.0	14:50	3.39	105	116	.00	.00	10	8	1120	.0	5
3780.0	14:54	3.52	106	117	.00	.00	10	8	1125	.0	5
3785.0	14:57	3.44	106	117	.00	.00	10	8	1127	.0	4
3790.0	15: 6	3.35	105	117	.00	.00	10	8	1041	.0	5
3795.0	15: 9	3.37	105	116	.00	.00	10	8	1091	.0	5
3800.0	15:13	3.46	105	117	.00	.00	10	8	1109	.0	5
3805.0	15:17	3.53	105	117	.00	.00	10	8	1115	.0	5
3810.0	15:21	3.47	105	117	.00	.00	10	8	1110	.0	5
1555											
3815.0	15:25	3.50	105	117	.00	.00	10	8	1111	.0	5
3820.0	15:36	3.65	105	117	.00	.00	10	8	1104	.0	5
3825.0	15:39	3.52	105	117	.00	.00	10	9	1113	.0	4
3830.0	15:43	3.60	104	117	.00	.00	10	9	1116	.0	5
3835.0	15:46	3.59	104	117	.00	.00	10	9	1117	.0	5
3840.0	15:50	3.62	104	116	.00	.00	10	9	1113	.0	3
3845.0	15:54	3.67	104	116	.00	.00	10	9	1117	.0	4
3850.0	16: 8	3.87	104	116	.00	.00	10	10	1112	.0	4
3855.0	16:10	3.58	103	116	.00	.00	10	10	1097	.0	2
3860.0	16:13	3.59	103	116	.00	.00	10	10	1102	.0	5
1597											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1597											
3865.0	16:16	3.55	103	116	.00	.00	10	10	1092	.0	5
3870.0	16:19	3.63	103	116	.00	.00	10	10	1112	.0	5
3875.0	16:24	3.70	103	115	.00	.00	10	11	1097	.0	5
3880.0	16:26	3.52	103	115	.00	.00	10	11	1097	.0	3
3885.0	16:36	3.56	104	116	.00	.00	10	11	950	.0	3
3890.0	16:45	3.50	104	116	.00	.00	10	12	566	.0	5
3895.0	16:50	3.73	104	115	.00	.00	10	11	628	.0	5
3900.0	17:39	3.54	104	115	.00	.00	10	13	609	.0	5
3905.0	17:43	3.66	104	114	.00	.00	10	13	602	.0	5
3910.0	17:48	3.64	103	113	.00	.00	10	14	600	.0	4
1642											
3915.0	18: 4	3.77	103	113	.00	.00	10	14	601	.0	5
3920.0	18:10	3.71	101	113	.00	.00	10	14	594	.0	5
3925.0	18:16	3.69	101	113	.00	.00	10	14	599	.0	5
3930.0	18:21	3.65	101	113	.00	.00	10	15	596	.0	5
3935.0	18:26	3.62	101	112	.00	.00	10	15	598	.0	5
3940.0	18:32	3.54	101	112	.00	.00	10	16	637	.0	5
3945.0	18:38	3.73	101	113	.00	.00	10	16	1016	.0	5
3950.0	18:49	3.67	100	113	.00	.00	10	18	1008	.0	5
3955.0	18:54	3.70	99	114	.00	.00	10	18	999	.0	5
3960.0	19: 0	3.71	98	114	.00	.00	10	18	1011	.0	5
1692											
3965.0	19: 5	3.71	98	115	.00	.00	10	18	1014	.0	5
3970.0	19:11	3.69	98	115	.00	.00	10	18	1012	.0	5
3975.0	19:16	3.60	98	114	.00	.00	10	18	1011	.0	5
3980.0	19:30	3.61	98	115	.00	.00	10	18	1012	.0	5
3985.0	19:34	3.55	98	112	.00	.00	10	18	1013	.0	5
3990.0	19:39	3.54	99	111	.00	.00	10	18	1015	.0	5
3995.0	19:45	3.57	99	111	.00	.00	10	18	1015	.0	5
4000.0	19:50	3.64	99	111	.00	.00	10	18	1010	.0	5
4005.0	20: 2	3.37	99	111	.00	.00	10	18	1013	.0	4
4010.0	20: 6	3.73	100	111	.00	.00	10	18	1009	.0	3
1739											
4015.0	20:12	3.79	100	111	.00	.00	10	18	1001	.0	5
4020.0	20:16	3.72	100	110	.00	.00	10	18	1001	.0	5
4025.0	20:22	3.78	100	110	.00	.00	10	18	993	.0	5
4030.0	20:27	3.74	100	110	.00	.00	10	18	989	.0	5
4035.0	20:33	3.82	100	110	.00	.00	10	18	992	.0	5
4040.0	20:40	3.82	101	110	.00	.00	10	18	995	.0	3
4045.0	23:54	3.57	92	99	.00	.00	10	18	1005	.0	4
4050.0	0: 3	3.77	92	98	.00	.00	10	18	999	.0	5
4055.0	0: 9	3.67	92	98	.00	.00	10	18	993	.0	5
4060.0	0:15	3.68	91	98	.00	.00	10	18	908	.0	5
1790											
4065.0	0:23	3.72	91	98	.00	.00	10	18	878	.0	5
4070.0	0:41	3.63	91	98	.00	.00	10	18	847	.0	3
4075.0	0:46	3.89	91	96	.00	.00	10	18	654	.0	5
4080.0	0:53	3.91	90	98	.00	.00	10	18	781	.0	5
4085.0	1:11	3.96	90	96	.00	.00	10	18	639	.0	5
4090.0	1:19	3.88	90	97	.00	.00	10	18	723	.0	5
4095.0	1:22	3.85	90	97	.00	.00	10	18	999	.0	5
4100.0	1:25	3.87	90	98	.00	.00	10	18	994	.0	5
4105.0	1:33	3.76	90	98	.00	.00	10	18	986	.0	3
4110.0	1:36	3.87	90	96	.00	.00	10	18	987	.0	5
1836											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	1836										
4115.0	1:39	3.87	90	97	.00	.00	10	18	984	.0	5
4120.0	1:41	3.87	90	97	.00	.00	10	18	983	.0	5
4125.0	1:44	3.85	91	97	.00	.00	10	18	983	.0	5
4130.0	1:46	3.83	91	97	.00	.00	10	18	983	.0	5
4135.0	1:56	3.82	91	97	.00	.00	10	18	984	.0	5
4140.0	1:59	3.75	91	97	.00	.00	10	18	994	.0	5
4145.0	2: 1	3.85	91	97	.00	.00	10	18	993	.0	4
4150.0	2: 4	3.79	91	98	.00	.00	10	18	994	.0	4
4155.0	2: 7	3.88	91	99	.00	.00	10	18	992	.0	5
4160.0	2: 9	3.82	91	99	.00	.00	10	18	992	.0	5
	1884										
4165.0	2:26	3.89	91	99	.00	.00	10	18	987	.0	5
4170.0	2:28	3.79	91	99	.00	.00	10	18	958	.0	5
4175.0	2:31	3.87	91	99	.00	.00	10	18	950	.0	4
4180.0	2:33	3.81	91	99	.00	.00	10	18	932	.0	5
4185.0	2:36	3.86	91	99	.00	.00	10	18	916	.0	5
4190.0	2:39	3.93	89	99	.00	.00	10	18	893	.0	5
4195.0	2:42	3.89	89	99	.00	.00	10	18	897	.0	5
4200.0	2:52	4.02	91	98	.00	.00	10	18	839	.0	5
4205.0	2:55	3.91	91	96	.00	.00	10	18	903	.0	4
4210.0	2:58	3.96	91	98	.00	.00	10	18	897	.0	5
	1932										
4215.0	3: 1	3.97	91	98	.00	.00	10	18	900	.0	5
4220.0	3: 5	3.95	91	98	.00	.00	10	18	900	.0	5
4225.0	3: 8	3.96	91	98	.00	.00	10	18	902	.0	5
4230.0	3:20	3.96	90	98	.00	.00	10	18	899	.0	5
4235.0	3:24	3.92	90	96	.00	.00	10	18	903	.0	5
4240.0	3:27	3.93	90	98	.00	.00	10	18	903	.0	5
4245.0	3:30	3.90	90	99	.00	.00	10	18	901	.0	5
4250.0	3:34	3.88	90	100	.00	.00	10	18	899	.0	5
4255.0	3:37	3.88	90	100	.00	.00	10	18	899	.0	5
4260.0	3:48	3.62	91	99	.00	.00	10	18	912	.0	5
	1982										
4265.0	3:51	3.76	91	98	.00	.00	10	18	939	.0	5
4270.0	3:54	3.77	92	98	.00	.00	10	18	946	.0	5
4275.0	3:58	3.84	92	97	.00	.00	10	18	935	.0	5
4280.0	4: 1	3.77	92	97	.00	.00	10	18	938	.0	5
4285.0	4: 4	3.83	92	97	.00	.00	10	18	935	.0	4
4290.0	4:17	3.98	92	97	.00	.00	10	18	937	.0	4
4295.0	4:20	3.91	92	96	.00	.00	10	18	934	.0	5
4300.0	4:23	3.75	92	98	.00	.00	10	18	929	.0	4
4305.0	4:26	3.88	91	98	.00	.00	10	18	928	.0	5
4310.0	4:30	3.88	91	98	.00	.00	10	18	920	.0	5
	2029										
4315.0	4:33	3.78	91	98	.00	.00	10	18	948	.0	4
4320.0	4:36	3.78	92	98	.00	.00	10	18	994	.0	5
4330.0	4:47	3.79	92	97	.00	.00	10	18	985	.0	6
4335.0	4:50	3.85	92	97	.00	.00	10	18	985	.0	5
4340.0	4:54	3.87	92	98	.00	.00	10	18	987	.0	5
4345.0	4:57	3.88	92	98	.00	.00	10	18	987	.0	5
4350.0	5: 1	3.93	92	98	.00	.00	10	18	986	.0	4
4360.0	5:12	3.92	92	97	.00	.00	10	18	978	.0	9
4365.0	5:17	3.91	92	97	.00	.00	10	18	973	.0	5
4370.0	5:21	3.89	92	97	.00	.00	10	18	969	.0	5
	2082										

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
2082											
4375.0	5:24	3.88	92	97	.00	.00	10	18	972	.0	5
4380.0	5:28	3.86	92	97	.00	.00	10	18	977	.0	5
4385.0	5:32	3.88	92	97	.00	.00	10	18	978	.0	4
4390.0	5:43	3.92	92	97	.00	.00	10	18	984	.0	5
4395.0	5:46	3.85	92	96	.00	.00	10	18	985	.0	5
4400.0	5:50	3.91	92	97	.00	.00	10	18	982	.0	5
4405.0	5:53	3.90	92	97	.00	.00	10	18	979	.0	5
4410.0	5:57	3.89	92	97	.00	.00	10	18	977	.0	5
4415.0	6: 1	3.97	92	98	.00	.00	10	18	977	.0	5
4420.0	6:13	3.58	93	98	.00	.00	10	18	984	.0	5
2131											
4425.0	6:17	3.89	93	98	.00	.00	10	18	988	.0	5
4430.0	6:21	3.90	93	98	.00	.00	10	18	985	.0	5
4435.0	6:24	3.91	93	98	.00	.00	10	18	985	.0	5
4440.0	6:28	3.95	93	98	.00	.00	10	18	985	.0	5
4445.0	6:32	3.90	94	99	.00	.00	10	18	981	.0	5
4450.0	6:43	3.94	94	98	.00	.00	12	12	1040	.0	4
4455.0	6:46	3.83	93	97	.00	.00	13	10	1053	.0	5
4460.0	6:49	3.87	93	98	.00	.00	13	10	1051	.0	5
4465.0	6:52	3.92	93	99	.00	.00	13	10	1053	.0	5
4470.0	6:56	3.89	93	99	.00	.00	13	10	1056	.0	5
2180											
4475.0	6:59	3.86	94	99	.00	.00	13	10	1056	.0	5
4480.0	7: 8	3.80	94	99	.00	.00	13	10	1053	.0	5
4485.0	7:11	3.88	94	98	.00	.00	13	10	1060	.0	5
4490.0	7:15	3.94	94	98	.00	.00	13	10	1055	.0	5
4495.0	7:18	3.92	94	99	.00	.00	13	10	1053	.0	5
4500.0	7:21	3.82	94	99	.00	.00	13	10	1055	.0	4
4505.0	7:25	3.90	94	99	.00	.00	13	10	1055	.0	4
4510.0	7:36	3.94	94	99	.00	.00	13	10	1057	.0	5
4515.0	7:39	3.88	94	97	.00	.00	13	10	1055	.0	4
4520.0	7:42	3.89	94	98	.00	.00	13	10	1051	.0	5
2227											
4525.0	7:45	3.91	94	99	.00	.00	13	10	1051	.0	5
4530.0	7:48	3.91	94	99	.00	.00	13	10	1051	.0	5
4535.0	7:51	3.88	94	99	.00	.00	13	10	1054	.0	5
4540.0	7:54	3.92	94	99	.00	.00	13	10	1057	.0	5
4545.0	8: 4	3.98	94	98	.00	.00	13	10	896	.0	5
4550.0	8: 8	3.97	94	98	.00	.00	13	10	1054	.0	5
4555.0	8:11	3.96	94	99	.00	.00	13	10	1049	.0	4
4560.0	8:14	3.96	94	99	.00	.00	13	10	1049	.0	5
4565.0	8:18	3.96	94	99	.00	.00	13	10	1049	.0	5
4570.0	8:22	4.02	94	99	.00	.00	13	10	1050	.0	5
2276											
4575.0	8:33	4.00	94	99	.00	.00	13	10	1049	.0	5
4580.0	8:36	3.92	95	98	.00	.00	13	10	1052	.0	5
4585.0	8:39	3.94	94	100	.00	.00	13	10	1055	.0	5
4590.0	8:42	3.92	95	100	.00	.00	13	10	1058	.0	5
4595.0	8:46	3.95	95	100	.00	.00	13	10	1062	.0	5
4600.0	8:48	3.90	95	100	.00	.00	13	10	1062	.0	5
4605.0	8:59	4.02	95	100	.00	.00	13	10	1062	.0	5
4610.0	9: 2	3.97	95	98	.00	.00	13	10	1067	.0	5
4615.0	9: 5	3.95	94	99	.00	.00	13	10	1063	.0	5
4620.0	9: 8	3.95	94	99	.00	.00	13	10	1061	.0	5
2326											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
2326											
4625.0	9:11	3.98	94	99	.00	.00	13	10	1053	.0	5
4630.0	9:14	4.00	94	99	.00	.00	13	10	1052	.0	5
4635.0	9:17	3.96	94	99	.00	.00	13	10	1052	.0	5
4640.0	9:27	3.74	94	99	.00	.00	13	10	1052	.0	5
4645.0	9:30	3.99	94	98	.00	.00	13	10	1054	.0	4
4650.0	9:33	3.97	93	99	.00	.00	13	10	1058	.0	4
4655.0	9:36	3.98	93	98	.00	.00	13	10	1060	.0	5
4660,0	9:40	3.99	93	98	.00	.00	13	10	1059	.0	5
4665.0	9:43	3.96	93	98	.00	.00	13	10	1058	.0	5
4670.0	9:52	4.01	93	98	.00	.00	13	10	1059	.0	5
2374											
4675.0	9:56	3.99	93	97	.00	.00	13	10	1062	.0	5
4680.0	9:59	3.99	93	98	.00	.00	13	10	1063	.0	5
4685.0	10: 2	3.97	93	98	.00	.00	13	10	1063	.0	5
4690.0	10: 6	3.99	93	98	.00	.00	13	10	1061	.0	5
4695.0	10: 9	4.01	93	98	.00	.00	13	10	1064	.0	5
4700.0	10:18	4.04	93	98	.00	.00	13	10	1066	.0	5
4705.0	10:22	4.03	93	98	.00	.00	13	10	1057	.0	5
4710.0	10:25	3.98	92	98	.00	.00	13	10	1061	.0	5
4715.0	10:28	3.99	92	98	.00	.00	13	10	1062	.0	5
4720.0	10:31	4.06	92	98	.00	.00	13	10	1062	.0	5
2424											
4725.0	10:35	4.04	92	98	.00	.00	13	10	1062	.0	5
4730.0	10:38	4.02	93	98	.00	.00	13	10	1059	.0	5
4735.0	10:51	4.03	93	98	.00	.00	13	10	1060	.0	5
4740.0	10:54	4.00	93	98	.00	.00	13	10	1059	.0	5
4745.0	10:58	4.02	93	98	.00	.00	13	10	1062	.0	5
4750.0	11: 1	4.00	93	98	.00	.00	13	10	1064	.0	5
4755.0	11: 4	4.04	93	98	.00	.00	13	10	1057	.0	5
4760.0	11:14	4.02	93	98	.00	.00	13	10	1058	.0	3
4765.0	11:17	3.97	93	98	.00	.00	13	10	1063	.0	5
4770.0	11:21	4.03	93	98	.00	.00	13	10	1058	.0	5
2472											
4775.0	11:24	4.03	93	98	.00	.00	13	10	1058	.0	5
4780.0	11:28	4.00	93	98	.00	.00	13	10	1059	.0	5
4785.0	11:31	4.00	93	98	.00	.00	13	10	1060	.0	5
4790.0	11:35	4.07	93	98	.00	.00	13	10	1056	.0	5
4795.0	11:51	4.05	93	97	.00	.00	13	10	1076	.0	5
4800.0	11:55	4.05	93	97	.00	.00	13	10	1074	.0	5
4805.0	12: 0	4.12	93	97	.00	.00	13	10	1072	.0	5
4810.0	12: 5	4.11	94	97	.00	.00	13	10	1070	.0	5
4815.0	12:10	4.11	94	97	.00	.00	13	10	1067	.0	5
4820.0	12:15	4.13	94	97	.00	.00	13	10	1067	.0	5
2522											
4825.0	12:24	4.16	94	97	.00	.00	13	10	1066	.0	4
4830.0	12:28	4.12	94	97	.00	.00	13	10	1064	.0	5
4835.0	12:33	4.12	94	98	.00	.00	13	10	1071	.0	5
4840.0	12:38	4.12	94	98	.00	.00	13	10	1065	.0	5
4845.0	12:43	4.14	95	98	.00	.00	13	10	1064	.0	5
4850.0	12:48	4.13	95	98	.00	.00	13	10	1054	.0	5
4855.0	12:53	4.13	95	98	.00	.00	13	10	1045	.0	5
4860.0	13: 6	4.05	95	98	.00	.00	13	10	1054	.0	5
4865.0	13:10	3.94	96	99	.00	.00	13	10	1057	.0	5
4870.0	13:15	4.05	96	99	.00	.00	13	10	1065	.0	5
2571											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
2571											
4875.0	13:20	4.06	96	99	.00	.00	11	10	1056	.0	5
4880.0	13:25	4.10	97	99	.00	.00	11	10	1049	.0	5
4885.0	13:30	4.10	97	99	.00	.00	11	10	1047	.0	5
4890.0	13:40	4.05	97	100	.00	.00	11	10	1047	.0	5
4895.0	13:46	4.08	98	101	.00	.00	11	10	1043	.0	5
4900.0	13:51	4.06	98	101	.00	.00	11	10	1044	.0	5
4905.0	13:55	3.99	99	102	.00	.00	11	10	1047	.0	5
4910.0	14: 1	4.07	100	102	.00	.00	11	10	1047	.0	5
4915.0	14: 6	4.09	100	103	.00	.00	11	10	1042	.0	5
4920.0	14:21	4.04	101	103	.00	.00	11	10	1034	.0	5
2621											
4925.0	14:26	4.06	101	103	.00	.00	11	10	1037	.0	5
4930.0	14:31	4.00	102	103	.00	.00	11	10	1040	.0	5
4935.0	14:36	4.05	102	103	.00	.00	11	10	1041	.0	5
4940.0	14:40	4.01	103	103	.00	.00	11	10	1041	.0	5
4945.0	14:45	3.96	103	103	.00	.00	11	10	1039	.0	5
4950.0	14:49	3.92	103	103	.00	.00	11	10	1040	.0	5
4955.0	14:59	4.03	103	103	.00	.00	11	10	1041	.0	5
4960.0	15: 4	4.00	103	102	.00	.00	11	10	1048	.0	5
4965.0	15: 8	3.96	102	102	.00	.00	11	10	1045	.0	5
4970.0	15:13	4.02	102	102	.00	.00	11	10	1052	.0	5
2671											
4975.0	15:18	3.95	103	101	.00	.00	11	10	1054	.0	5
4980.0	15:22	4.04	103	101	.00	.00	11	10	1052	.0	5
4985.0	15:35	4.08	103	104	.00	.00	11	10	795	.0	5
4990.0	15:42	4.10	103	106	.00	.00	11	10	609	.0	5
4995.0	15:49	4.12	103	106	.00	.00	11	10	601	.0	5
5000.0	15:58	4.12	104	107	.00	.00	11	10	577	.0	5
5005.0	16:50	4.18	103	108	.00	.00	11	10	556	.0	5
5010.0	17: 0	4.07	102	109	.00	.00	11	10	596	.0	5
5015.0	17:14	4.00	103	109	.00	.00	11	10	594	.0	5
5020.0	17:23	4.09	103	109	.00	.00	11	10	587	.0	5
2721											
5025.0	17:30	4.04	103	109	.00	.00	11	10	588	.0	5
5030.0	17:37	4.08	103	109	.00	.00	11	10	589	.0	5
5035.0	17:45	4.06	103	108	.00	.00	11	10	587	.0	5
5040.0	17:52	4.03	103	109	.00	.00	11	10	592	.0	5
5045.0	2:26	4.06	103	110	.00	.00	11	10	725	.0	5
5050.0	2:30	3.92	102	110	.00	.00	11	10	1040	.0	5
5055.0	2:35	3.95	103	110	.00	.00	11	10	1034	.0	5
5060.0	2:40	3.99	103	110	.00	.00	11	10	1030	.0	5
5065.0	2:45	4.00	104	111	.00	.00	11	10	1034	.0	5
5070.0	2:50	4.03	104	111	.00	.00	11	10	1043	.0	5
2771											
5075.0	3: 1	4.00	104	111	.00	.00	11	10	1037	.0	5
5080.0	3: 6	4.05	104	111	.00	.00	11	10	983	.0	5
5085.0	3:11	4.00	104	112	.00	.00	11	10	1006	.0	5
5090.0	3:15	3.92	104	112	.00	.00	11	10	1001	.0	5
5095.0	3:19	3.92	105	112	.00	.00	11	10	1000	.0	5
5100.0	3:24	3.98	105	112	.00	.00	11	10	1001	.0	5
5105.0	3:28	3.93	105	112	.00	.00	11	10	1009	.0	5
5110.0	3:38	3.84	105	113	.00	.00	11	10	988	.0	5
5115.0	3:42	3.86	105	114	.00	.00	11	10	1019	.0	5
5117.0	3:45	3.97	105	114	.00	.00	11	10	1018	.0	2

NEW BIT ID: 5

2822

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
2822											
5120.0	16: 8	4.04	90	96	.00	.00	13	10	935	.0	3
5125.0	16:16	4.08	93	96	.00	.00	13	10	933	.0	5
5130.0	16:25	4.12	95	97	.00	.00	13	10	930	.0	5
5135.0	16:33	4.11	96	98	.00	.00	13	10	929	.0	5
5140.0	0: 8	4.02	97	100	.00	.00	13	10	1005	.0	5
5145.0	0:14	4.04	97	102	.00	.00	13	10	1025	.0	5
5150.0	0:19	4.02	97	102	.00	.00	13	10	1025	.0	5
5155.0	0:25	4.07	97	103	.00	.00	13	10	1023	.0	5
5160.0	0:30	4.00	97	104	.00	.00	13	10	1031	.0	5
5165.0	0:36	4.12	98	104	.00	.00	13	10	1049	.0	5
2870											
5170.0	0:48	3.83	98	105	.00	.00	13	10	1037	.0	5
5175.0	0:52	4.07	98	106	.00	.00	13	10	1037	.0	5
5180.0	0:56	4.01	98	106	.00	.00	13	10	1036	.0	5
5185.0	1: 0	3.98	98	106	.00	.00	13	10	1031	.0	5
5190.0	1: 4	3.95	98	106	.00	.00	13	10	1037	.0	5
5195.0	1: 9	3.93	98	106	.00	.00	13	10	1046	.0	5
5200.0	1:13	3.90	98	106	.00	.00	9	13	995	.0	5
5205.0	1:27	3.88	97	105	.00	.00	8	14	990	.0	5
5210.0	1:31	3.89	97	106	.00	.00	8	14	991	.0	5
5215.0	1:34	3.79	97	106	.00	.00	8	14	986	.0	5
2920											
5220.0	1:39	3.94	97	106	.00	.00	8	14	987	.0	5
5225.0	1:43	3.93	97	106	.00	.00	8	14	986	.0	5
5230.0	1:48	3.95	97	106	.00	.00	8	14	986	.0	5
5235.0	2: 9	4.01	97	106	.00	.00	8	14	986	.0	5
5240.0	2:13	3.95	96	106	.00	.00	8	14	984	.0	5
5245.0	2:17	3.96	96	106	.00	.00	8	14	984	.0	5
5250.0	2:21	3.96	95	106	.00	.00	8	14	985	.0	5
5255.0	2:25	3.99	96	106	.00	.00	8	14	987	.0	5
5260.0	2:39	3.89	96	106	.00	.00	8	14	985	.0	5
5265.0	2:41	3.92	96	106	.00	.00	8	14	984	.0	1
2966											
5270.0	2:43	3.88	96	106	.00	.00	8	14	980	.0	4
5275.0	2:47	3.94	96	105	.00	.00	8	14	978	.0	4
5280.0	2:51	3.86	96	105	.00	.00	8	14	980	.0	5
5285.0	2:54	3.86	96	105	.00	.00	8	14	981	.0	4
5290.0	2:59	3.95	96	105	.00	.00	8	14	983	.0	5
5295.0	3: 3	3.94	96	105	.00	.00	8	14	983	.0	5
5300.0	3:15	3.80	96	105	.00	.00	8	14	983	.0	4
5305.0	3:19	3.90	96	105	.00	.00	8	14	983	.0	5
5310.0	3:23	3.92	95	104	.00	.00	8	14	985	.0	5
5315.0	3:27	3.88	95	104	.00	.00	8	14	986	.0	5
3012											
5320.0	3:31	3.96	96	104	.00	.00	8	14	986	.0	3
5325.0	3:35	3.91	96	104	.00	.00	8	14	984	.0	5
5330.0	3:48	3.91	96	103	.00	.00	8	14	989	.0	5
5335.0	3:51	3.80	96	103	.00	.00	8	14	979	.0	5
5340.0	3:54	3.86	96	103	.00	.00	8	14	988	.0	5
5345.0	3:58	3.84	96	103	.00	.00	8	14	983	.0	5
5350.0	4: 1	3.85	96	103	.00	.00	8	14	987	.0	5
5355.0	4:12	3.97	96	103	.00	.00	8	14	986	.0	3
5360.0	4:12	3.69	96	103	.00	.00	8	14	977	.0	1
5365.0	4:15	3.81	96	103	.00	.00	8	14	980	.0	5
3054											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
3054											
5370.0	4:19	3.89	96	103	.00	.00	8	14	980	.0	5
5375.0	4:23	3.86	96	103	.00	.00	8	14	985	.0	5
5380.0	4:26	3.85	96	103	.00	.00	8	14	987	.0	5
5385.0	4:30	3.93	96	104	.00	.00	8	14	987	.0	5
5390.0	4:39	3.87	97	104	.00	.00	8	14	983	.0	5
5395.0	4:42	3.87	97	104	.00	.00	8	14	990	.0	5
5400.0	4:45	3.78	97	104	.00	.00	8	14	991	.0	5
5405.0	4:49	3.82	96	104	.00	.00	8	14	991	.0	5
5410.0	4:52	3.89	96	104	.00	.00	8	14	991	.0	5
5415.0	4:55	3.82	97	104	.00	.00	8	14	991	.0	4
3103											
5420.0	4:58	3.85	97	104	.00	.00	8	14	991	.0	5
5425.0	5: 9	2.91	97	104	.00	.00	8	14	973	.0	5
5430.0	5:12	2.93	96	104	.00	.00	8	14	978	.0	5
5435.0	5:15	3.41	97	103	.00	.00	8	14	978	.0	5
5440.0	5:19	3.92	97	103	.00	.00	8	14	978	.0	5
5445.0	5:22	3.88	97	103	.00	.00	8	14	978	.0	5
5450.0	5:26	3.87	97	103	.00	.00	8	14	978	.0	5
5455.0	5:37	3.83	98	103	.00	.00	8	14	974	.0	5
5460.0	5:40	3.81	98	103	.00	.00	8	14	976	.0	5
5465.0	5:43	3.86	99	104	.00	.00	8	14	976	.0	4
3152											
5470.0	5:46	3.81	100	104	.00	.00	8	14	976	.0	5
5475.0	5:50	3.90	101	106	.00	.00	8	14	976	.0	5
5480.0	8:22	3.84	101	107	.00	.00	8	14	967	.0	3
5485.0	8:24	3.84	103	107	.00	.00	8	14	956	.0	2
5490.0	8:28	3.73	103	107	.00	.00	8	14	955	.0	5
5495.0	8:31	3.78	103	107	.00	.00	8	14	953	.0	5
5500.0	8:35	3.80	102	107	.00	.00	8	14	953	.0	5
5505.0	8:40	3.85	102	107	.00	.00	8	14	956	.0	5
5510.0	8:48	3.83	102	106	.00	.00	8	14	952	.0	3
5515.0	8:54	3.85	102	105	.00	.00	8	14	909	.0	1
3191											
5520.0	8:57	3.87	102	105	.00	.00	8	14	960	.0	1
5525.0	8:59	3.76	101	105	.00	.00	8	14	956	.0	1
5525.0	8:59	6.00	101	105	.00	.00	8	14	895	.0	1
5530.0	9: 2	3.73	101	104	.00	.00	8	14	956	.0	3
5535.0	9: 5	3.70	101	104	.00	.00	8	14	956	.0	4
5540.0	9: 9	3.69	101	104	.00	.00	8	14	957	.0	5
5545.0	9:13	3.74	101	104	.00	.00	8	14	954	.0	5
5550.0	9:25	3.53	101	104	.00	.00	8	14	955	.0	5
5555.0	9:28	3.65	101	104	.00	.00	8	14	956	.0	5
5560.0	9:31	3.63	101	105	.00	.00	8	14	951	.0	5
3226											
5565.0	9:34	3.69	101	105	.00	.00	8	14	947	.0	5
5570.0	9:36	3.56	101	105	.00	.00	8	14	943	.0	3
5575.0	9:39	3.67	101	105	.00	.00	8	14	943	.0	3
5580.0	9:58	3.50	101	105	.00	.00	8	14	943	.0	4
5585.0	10: 2	3.72	101	105	.00	.00	8	14	939	.0	4
5590.0	10: 5	3.59	101	105	.00	.00	8	14	948	.0	5
5595.0	10: 8	3.61	101	105	.00	.00	8	14	947	.0	5
5600.0	10:11	3.76	101	104	.00	.00	8	14	946	.0	3
5605.0	10:13	3.73	101	104	.00	.00	8	14	946	.0	4
5610.0	10:16	3.68	101	104	.00	.00	8	14	948	.0	4
3266											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
3266											
5615.0	10:28	3.76	101	103	.00	.00	8	14	959	.0	4
5620.0	10:30	3.75	101	104	.00	.00	8	14	963	.0	4
5625.0	10:33	3.82	101	104	.00	.00	8	14	968	.0	5
5630.0	10:36	3.77	101	105	.00	.00	9	13	971	.0	5
5635.0	10:39	3.76	101	106	.00	.00	9	13	972	.0	5
5640.0	10:47	3.67	101	106	.00	.00	9	13	972	.0	3
5645.0	10:50	3.77	101	105	.00	.00	9	13	969	.0	3
5650.0	10:53	3.81	101	106	.00	.00	9	13	965	.0	4
5655.0	10:56	3.81	101	106	.00	.00	9	13	966	.0	5
5660.0	10:59	3.74	101	105	.00	.00	9	13	966	.0	4
3308											
5665.0	11: 2	3.90	101	105	.00	.00	9	13	966	.0	5
5670.0	11:12	3.78	101	105	.00	.00	9	13	961	.0	5
5675.0	11:15	3.86	101	105	.00	.00	9	13	971	.0	5
5680.0	11:18	3.84	101	106	.00	.00	9	13	973	.0	5
5685.0	11:21	3.80	101	106	.00	.00	9	13	973	.0	3
5690.0	11:25	3.86	102	105	.00	.00	9	13	974	.0	5
5695.0	11:28	3.80	102	106	.00	.00	9	13	974	.0	5
5700.0	11:31	3.76	102	106	.00	.00	9	13	973	.0	5
5705.0	11:39	4.17	102	106	.00	.00	9	13	847	.0	5
5710.0	11:41	3.67	102	105	.00	.00	9	13	976	.0	5
3356											
5715.0	11:44	3.79	102	106	.00	.00	9	13	974	.0	3
5720.0	11:47	3.81	102	106	.00	.00	9	13	973	.0	3
5725.0	11:49	3.72	102	106	.00	.00	9	13	971	.0	4
5730.0	11:52	3.86	102	106	.00	.00	9	13	972	.0	5
5735.0	12: 6	3.86	102	106	.00	.00	9	13	914	.0	3
5740.0	12:11	3.89	101	106	.00	.00	9	13	601	.0	5
5745.0	12:15	3.86	101	106	.00	.00	9	13	593	.0	5
5750.0	12:20	3.86	101	106	.00	.00	9	13	594	.0	5
5755.0	12:25	3.93	101	106	.00	.00	9	13	595	.0	5
5760.0	12:30	3.87	100	106	.00	.00	9	13	598	.0	5
3399											
5765.0	12:39	3.79	100	106	.00	.00	9	13	598	.0	4
5770.0	12:42	3.82	100	106	.00	.00	9	13	604	.0	3
5775.0	12:46	3.88	100	106	.00	.00	9	13	596	.0	5
5780.0	12:50	3.83	99	106	.00	.00	9	13	598	.0	4
5785.0	12:55	3.87	99	106	.00	.00	9	13	598	.0	5
5790.0	12:59	3.86	98	106	.00	.00	9	13	597	.0	5
5795.0	13: 3	3.83	98	106	.00	.00	9	13	601	.0	5
5800.0	13:14	3.88	98	106	.00	.00	9	13	603	.0	5
5805.0	13:18	3.85	99	106	.00	.00	9	13	604	.0	5
5810.0	13:23	3.90	100	106	.00	.00	9	13	606	.0	5
3445											
5815.0	13:27	3.87	100	106	.00	.00	9	13	608	.0	4
5820.0	13:31	3.82	100	106	.00	.00	9	13	607	.0	5
5825.0	13:36	3.85	100	107	.00	.00	9	13	605	.0	5
5830.0	13:46	3.86	100	107	.00	.00	9	13	608	.0	5
5835.0	13:49	3.76	99	107	.00	.00	9	13	598	.0	4
5840.0	13:53	3.89	99	106	.00	.00	9	13	599	.0	5
5845.0	13:58	3.77	99	106	.00	.00	9	13	602	.0	5
5850.0	14: 2	3.90	99	106	.00	.00	9	13	602	.0	3
5855.0	14: 5	3.79	99	106	.00	.00	9	13	605	.0	4
5860.0	14:18	3.79	99	107	.00	.00	9	13	607	.0	5
3490											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
3490											
5865.0	14:24	3.71	99	107	.00	.00	9	13	905	.0	4
5870.0	14:27	3.78	99	107	.00	.00	9	13	958	.0	4
5875.0	14:30	3.76	99	108	.00	.00	9	13	951	.0	4
5880.0	14:33	3.79	99	108	.00	.00	9	13	950	.0	5
5885.0	14:36	3.72	99	108	.00	.00	9	13	947	.0	5
5890.0	14:46	3.74	100	109	.00	.00	9	13	948	.0	4
5895.0	14:49	3.77	100	110	.00	.00	9	13	962	.0	5
5900.0	14:52	3.79	100	110	.00	.00	9	13	958	.0	5
5905.0	14:54	3.72	100	110	.00	.00	9	13	953	.0	5
5910.0	14:57	3.76	100	109	.00	.00	9	13	953	.0	4
3535											
5915.0	15: 0	3.78	101	110	.00	.00	9	13	948	.0	4
5920.0	15:11	3.84	101	110	.00	.00	9	13	953	.0	5
5925.0	15:14	3.77	101	111	.00	.00	9	13	952	.0	5
5930.0	15:18	3.83	101	111	.00	.00	9	13	946	.0	5
5935.0	15:21	3.78	100	110	.00	.00	9	13	948	.0	5
5940.0	15:24	3.83	100	111	.00	.00	9	13	967	.0	5
5945.0	15:27	3.81	101	110	.00	.00	9	13	966	.0	5
5950.0	15:30	3.79	101	110	.00	.00	9	13	965	.0	5
5955.0	15:38	3.69	101	109	.00	.00	9	13	971	.0	5
5960.0	15:42	3.85	101	109	.00	.00	9	13	970	.0	5
3584											
5965.0	15:44	3.77	101	108	.00	.00	9	13	970	.0	5
5970.0	15:48	3.88	101	107	.00	.00	9	13	963	.0	5
5975.0	15:51	3.86	101	108	.00	.00	9	13	962	.0	4
5980.0	15:55	3.84	101	109	.00	.00	9	13	962	.0	4
5985.0	16: 3	3.80	101	110	.00	.00	9	13	960	.0	5
5990.0	16: 6	3.87	102	110	.00	.00	9	13	962	.0	5
5995.0	16:10	3.86	102	109	.00	.00	9	13	961	.0	5
6000.0	16:13	3.81	103	109	.00	.00	9	13	961	.0	5
6005.0	16:15	3.74	103	111	.00	.00	9	13	959	.0	4
6010.0	16:18	3.83	103	112	.00	.00	9	13	959	.0	5
3631											
6015.0	16:31	3.81	104	111	.00	.00	9	13	959	.0	4
6020.0	16:33	3.87	104	112	.00	.00	9	13	962	.0	3
6025.0	16:36	3.80	103	107	.00	.00	9	13	962	.0	5
6030.0	16:39	3.79	103	106	.00	.00	9	13	960	.0	5
6035.0	16:41	3.73	103	106	.00	.00	9	13	959	.0	5
6040.0	16:45	3.79	103	106	.00	.00	9	13	959	.0	5
6045.0	16:47	3.72	103	106	.00	.00	9	13	959	.0	5
6050.0	16:57	3.63	102	105	.00	.00	9	13	903	.0	5
6055.0	16:59	3.58	102	105	.00	.00	9	13	968	.0	4
6060.0	17: 3	3.65	102	105	.00	.00	9	13	968	.0	4
3676											
6065.0	17: 6	3.66	101	105	.00	.00	9	13	970	.0	4
6070.0	17: 9	3.72	101	105	.00	.00	9	13	972	.0	5
6075.0	17:12	3.78	101	105	.00	.00	9	13	974	.0	5
6080.0	17:19	3.67	101	104	.00	.00	9	13	978	.0	4
6085.0	17:22	3.77	101	104	.00	.00	9	13	979	.0	5
6090.0	17:35	3.69	101	105	.00	.00	9	13	978	.0	4
6095.0	17:37	3.69	101	110	.00	.00	9	13	952	.0	3
6100.0	17:39	3.70	101	109	.00	.00	9	13	956	.0	3
6105.0	17:42	3.72	101	110	.00	.00	9	13	956	.0	5
6110.0	17:50	3.82	100	110	.00	.00	9	13	951	.0	5
3719											

DEPTH	TIME	RS	MTI	MTD	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
3719											
6115.0	17:52	3.75	100	109	.00	.00	9	13	951	.0	5
6120.0	17:55	3.77	101	109	.00	.00	9	13	955	.0	5
6125.0	17:58	3.77	102	110	.00	.00	9	13	952	.0	4
6130.0	18: 1	3.78	103	110	.00	.00	9	13	952	.0	4
6135.0	18: 3	3.76	103	110	.00	.00	9	13	952	.0	5
6140.0	18:11	3.65	104	108	.00	.00	9	13	948	.0	5
6145.0	18:13	3.67	104	108	.00	.00	9	13	964	.0	4
6150.0	18:16	3.74	104	107	.00	.00	9	13	959	.0	5
6155.0	18:18	3.73	104	108	.00	.00	9	13	961	.0	5
6160.0	18:21	3.75	104	107	.00	.00	9	13	960	.0	5
3766											
6165.0	18:24	3.76	104	105	.00	.00	9	13	957	.0	5
6170.0	18:27	3.73	103	103	.00	.00	9	13	957	.0	4
6175.0	18:33	3.61	103	105	.00	.00	9	13	962	.0	5
6180.0	18:36	3.80	102	105	.00	.00	9	13	962	.0	5
6185.0	18:39	3.76	102	105	.00	.00	9	13	964	.0	5
6190.0	18:41	3.78	101	104	.00	.00	9	13	965	.0	4
6195.0	18:45	3.86	101	104	.00	.00	9	13	966	.0	4
6200.0	18:47	3.70	101	104	.00	.00	9	13	969	.0	3
6205.0	18:56	3.76	102	103	.00	.00	9	13	984	.0	4
6210.0	19: 0	3.85	102	103	.00	.00	9	13	965	.0	5
3810											
6215.0	19: 2	3.74	100	103	.00	.00	9	13	965	.0	5
6220.0	19: 5	3.78	100	104	.00	.00	9	13	960	.0	4
6225.0	19: 8	3.78	101	105	.00	.00	9	13	959	.0	4
6230.0	19:11	3.78	101	105	.00	.00	9	13	962	.0	5
6235.0	19:19	3.66	101	105	.00	.00	9	13	963	.0	3
6240.0	19:22	3.79	102	105	.00	.00	9	13	967	.0	5
6245.0	19:25	3.74	102	105	.00	.00	9	13	971	.0	5
6250.0	19:28	3.78	102	105	.00	.00	9	13	973	.0	5
6255.0	19:31	3.83	103	105	.00	.00	9	13	973	.0	5
6260.0	19:33	3.70	103	105	.00	.00	9	13	973	.0	4
3855											
6265.0	19:37	3.79	103	106	.00	.00	9	13	973	.0	4
6270.0	19:44	3.85	103	106	.00	.00	9	13	941	.0	3
6275.0	19:47	3.85	102	106	.00	.00	9	13	942	.0	3
6280.0	19:50	3.76	103	105	.00	.00	9	13	944	.0	4
6285.0	19:53	3.83	103	105	.00	.00	9	13	944	.0	5
6290.0	19:56	3.80	103	105	.00	.00	9	13	942	.0	5
6295.0	19:59	3.79	103	105	.00	.00	9	13	935	.0	4
6300.0	20: 7	3.83	104	106	.00	.00	9	13	950	.0	5
6305.0	20:10	3.74	104	106	.00	.00	9	13	950	.0	4
6310.0	20:12	3.74	104	106	.00	.00	9	13	948	.0	5
3897											
6315.0	20:15	3.83	104	106	.00	.00	9	13	947	.0	4
6320.0	20:18	3.79	104	107	.00	.00	9	13	947	.0	4
6325.0	20:21	3.74	105	107	.00	.00	9	13	947	.0	5
6330.0	20:30	3.79	104	107	.00	.00	9	13	949	.0	5
6335.0	20:34	3.83	103	107	.00	.00	9	13	952	.0	5
6340.0	20:37	3.80	103	107	.00	.00	9	13	955	.0	5
6345.0	20:41	3.84	103	108	.00	.00	9	13	953	.0	5
6350.0	20:44	3.83	103	107	.00	.00	9	13	954	.0	5
6355.0	20:47	3.80	104	107	.00	.00	9	13	956	.0	5
6360.0	21:21	3.72	104	108	.00	.00	9	13	955	.0	5
3945											

DEPTH	TIME	RS	MTI	MTD	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
3945											
6365.0	21:25	3.73	104	108	.00	.00	9	13	948	.0	5
6370.0	21:28	3.76	104	108	.00	.00	9	13	958	.0	4
6375.0	21:30	3.79	104	108	.00	.00	9	13	974	.0	5
6380.0	21:34	3.80	104	108	.00	.00	9	13	985	.0	5
6385.0	21:37	3.86	104	108	.00	.00	9	13	907	.0	5
6390.0	21:41	3.86	106	109	.00	.00	9	13	1000	.0	5
6395.0	21:52	3.58	106	109	.00	.00	9	13	993	.0	3
6400.0	21:55	3.70	106	109	.00	.00	9	13	987	.0	3
6405.0	21:58	3.84	107	110	.00	.00	9	13	986	.0	5
6410.0	22: 1	3.78	107	110	.00	.00	9	13	984	.0	4
3989											
6415.0	22: 4	3.75	108	112	.00	.00	9	13	984	.0	4
6420.0	22: 9	3.76	108	112	.00	.00	9	13	855	.0	5
6425.0	22:26	4.01	105	110	.00	.00	9	13	617	.0	2
6430.0	23: 1	3.93	103	113	.00	.00	9	13	926	.0	5
6435.0	23: 5	3.83	106	114	.00	.00	9	13	928	.0	5
6440.0	23: 8	3.74	110	115	.00	.00	9	13	925	.0	5
6445.0	23:12	3.75	110	115	.00	.00	9	13	922	.0	5
6450.0	23:30	3.39	110	116	.00	.00	9	13	887	.0	5
6455.0	23:31	3.78	109	116	.00	.00	9	13	873	.0	2
6460.0	23:34	3.72	109	115	.00	.00	9	13	932	.0	5
4032											
6465.0	23:38	3.69	108	115	.00	.00	9	13	923	.0	5
6470.0	23:42	3.81	108	115	.00	.00	9	13	919	.0	5
6475.0	23:46	3.71	107	115	.00	.00	9	13	917	.0	5
6477.0	23:48	3.99	107	115	.00	.00	9	13	915	.0	2
NEW BIT ID: 6											
6480.0	17: 5	4.01	90	101	.00	.00	10	18	367	.0	2
6485.0	17:17	3.53	90	104	.00	.00	10	18	701	.0	2
6490.0	17:21	4.34	72	92	.00	.00	10	18	695	.0	2
6495.0	17:29	4.14	92	100	.00	.00	10	18	755	.0	5
6500.0	17:35	3.84	92	100	.00	.00	10	18	756	.0	5
6505.0	17:41	3.61	92	100	.00	.00	10	18	724	.0	5
4074											
6510.0	17:47	3.80	94	105	.00	.00	10	18	575	.0	5
6515.0	17:54	3.88	95	103	.00	.00	10	18	632	.0	5
6520.0	18:12	3.84	95	104	.00	.00	10	18	730	.0	5
6525.0	18:19	3.65	94	106	.00	.00	10	18	857	.0	5
6530.0	18:24	3.61	95	107	.00	.00	10	18	858	.0	5
6535.0	18:29	3.91	95	108	.00	.00	10	18	860	.0	5
6540.0	18:35	3.96	96	108	.00	.00	10	18	849	.0	5
6545.0	18:41	4.01	97	108	.00	.00	10	18	855	.0	5
6550.0	18:53	4.02	98	107	.00	.00	10	18	793	.0	5
6555.0	18:58	3.95	98	107	.00	.00	10	18	866	.0	5
4124											
6560.0	19: 2	3.97	98	108	.00	.00	10	18	859	.0	5
6565.0	19: 7	3.70	98	107	.00	.00	10	18	859	.0	5
6570.0	19:12	3.78	99	107	.00	.00	10	18	856	.0	5
6575.0	19:16	3.93	99	107	.00	.00	10	17	857	.0	5
6585.0	19:28	3.89	99	107	.00	.00	10	17	855	.0	8
6590.0	19:33	3.96	99	107	.00	.00	10	17	874	.0	4
6595.0	19:38	4.00	99	108	.00	.00	10	17	867	.0	5

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
4161											
6600.0	19:42	3.95	100	108	.00	.00	10	17	868	.0	5
6605.0	19:47	4.00	100	108	.00	.00	10	17	865	.0	4
6610.0	19:52	3.92	100	108	.00	.00	10	17	869	.0	5
6615.0	20:14	3.86	99	108	.00	.00	10	17	803	.0	5
6620.0	20:21	3.87	99	109	.00	.00	10	17	860	.0	5
6625.0	20:29	3.94	100	110	.00	.00	10	17	870	.0	5
6630.0	20:34	3.88	100	110	.00	.00	10	17	860	.0	5
6635.0	20:38	3.96	101	110	.00	.00	10	17	854	.0	5
6640.0	20:43	3.93	101	110	.00	.00	10	17	857	.0	5
6645.0	20:52	3.77	102	108	.00	.00	10	17	838	.0	4
4209											
6650.0	20:56	3.73	102	105	.00	.00	10	17	851	.0	5
6655.0	20:59	3.72	102	108	.00	.00	10	17	859	.0	5
6660.0	21: 3	3.80	102	110	.00	.00	10	17	864	.0	5
6665.0	21: 8	3.84	102	110	.00	.00	10	17	865	.0	5
6670.0	21:12	3.75	102	110	.00	.00	10	17	865	.0	5
6675.0	21:17	3.73	102	110	.00	.00	10	17	866	.0	5
6680.0	21:30	3.37	102	110	.00	.00	10	17	722	.0	4
6685.0	22:17	3.73	102	110	.00	.00	10	17	726	.0	4
6690.0	22:22	3.91	102	109	.00	.00	10	17	862	.0	5
6695.0	22:26	3.90	102	110	.00	.00	10	17	858	.0	5
4257											
6700.0	22:30	3.92	102	109	.00	.00	10	17	855	.0	5
6705.0	22:39	3.75	102	109	.00	.00	10	17	796	.0	3
6710.0	22:43	3.91	102	107	.00	.00	10	17	861	.0	5
6715.0	22:48	3.87	102	108	.00	.00	10	17	849	.0	5
6720.0	22:53	3.95	102	108	.00	.00	10	17	877	.0	5
6725.0	22:57	3.90	102	108	.00	.00	10	17	855	.0	5
6730.0	23: 2	3.90	102	109	.00	.00	10	17	851	.0	5
6740.0	23:16	3.78	102	109	.00	.00	10	17	858	.0	9
6745.0	23:20	3.88	102	108	.00	.00	10	17	861	.0	5
6750.0	23:24	3.86	102	105	.00	.00	10	17	859	.0	5
4309											
6755.0	23:28	3.83	102	107	.00	.00	10	17	854	.0	5
6760.0	23:32	3.88	102	109	.00	.00	10	17	856	.0	5
6765.0	23:37	3.91	102	109	.00	.00	10	17	858	.0	5
6770.0	23:45	3.81	102	109	.00	.00	10	17	820	.0	5
6775.0	23:50	3.68	102	108	.00	.00	10	17	852	.0	5
6780.0	23:54	3.75	103	109	.00	.00	10	17	848	.0	5
6785.0	23:59	3.90	103	110	.00	.00	10	17	842	.0	5
6790.0	0: 3	3.89	103	110	.00	.00	10	17	852	.0	5
6795.0	0: 7	3.87	103	110	.00	.00	10	17	849	.0	5
6800.0	0:12	3.89	103	111	.00	.00	10	17	850	.0	5
4359											
6805.0	0:22	3.90	103	110	.00	.00	10	17	830	.0	5
6810.0	0:27	3.86	102	110	.00	.00	10	17	849	.0	5
6815.0	0:32	3.88	102	110	.00	.00	10	17	853	.0	5
6820.0	0:37	3.89	102	110	.00	.00	10	17	852	.0	5
6825.0	0:42	3.95	102	110	.00	.00	10	17	853	.0	5
6830.0	0:47	3.89	102	110	.00	.00	10	17	851	.0	5
6835.0	0:57	3.94	102	109	.00	.00	10	17	825	.0	4
6840.0	1: 1	3.85	102	109	.00	.00	10	17	844	.0	5
6845.0	1: 6	3.93	102	109	.00	.00	10	17	856	.0	5
6850.0	1:11	3.88	101	109	.00	.00	10	17	856	.0	5
4408											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
4408											
6855.0	1:17	4.07	101	110	.00	.00	10	17	861	.0	5
6860.0	1:23	4.03	102	110	.00	.00	10	17	855	.0	5
6865.0	1:36	3.98	102	110	.00	.00	10	17	831	.0	5
6870.0	1:41	3.94	101	111	.00	.00	10	17	859	.0	5
6875.0	1:46	3.91	101	111	.00	.00	10	17	859	.0	5
6880.0	1:50	3.90	101	111	.00	.00	10	17	858	.0	5
6885.0	1:55	3.93	102	111	.00	.00	10	16	858	.0	5
6890.0	2: 0	3.95	102	112	.00	.00	10	16	855	.0	5
6895.0	2:12	4.10	103	111	.00	.00	10	16	818	.0	5
6900.0	2:17	3.96	103	112	.00	.00	10	16	860	.0	5
4458											
6905.0	2:21	3.94	103	113	.00	.00	10	16	854	.0	5
6910.0	2:26	3.94	103	113	.00	.00	10	16	862	.0	5
6915.0	2:31	3.97	103	113	.00	.00	10	16	863	.0	5
6920.0	2:35	3.91	103	113	.00	.00	10	16	861	.0	5
6925.0	2:39	3.92	103	113	.00	.00	10	16	855	.0	5
6930.0	2:48	3.87	102	110	.00	.00	10	16	812	.0	5
6935.0	2:52	3.90	102	110	.00	.00	10	16	864	.0	5
6940.0	2:56	3.81	101	110	.00	.00	10	16	868	.0	5
6945.0	3: 0	3.91	101	109	.00	.00	10	16	861	.0	5
6950.0	3: 4	3.84	102	106	.00	.00	10	16	868	.0	5
4508											
6955.0	3: 7	3.78	102	107	.00	.00	10	15	865	.0	5
6960.0	3:16	3.76	102	110	.00	.00	10	15	825	.0	5
6965.0	3:19	3.75	102	110	.00	.00	10	15	858	.0	5
6970.0	3:22	3.82	103	110	.00	.00	10	15	856	.0	5
6975.0	3:26	3.88	103	110	.00	.00	10	15	853	.0	5
6980.0	3:31	3.91	103	110	.00	.00	10	15	859	.0	5
6985.0	3:36	3.94	103	110	.00	.00	10	15	851	.0	5
6990.0	3:45	3.89	103	111	.00	.00	10	15	823	.0	5
6995.0	3:49	3.92	103	110	.00	.00	10	15	859	.0	4
7000.0	3:54	3.98	103	111	.00	.00	10	15	850	.0	4
4556											
7005.0	3:57	3.81	103	111	.00	.00	10	15	858	.0	5
7010.0	4: 2	3.98	104	111	.00	.00	10	15	856	.0	5
7015.0	4: 7	3.93	104	111	.00	.00	10	15	857	.0	5
7020.0	4:18	3.93	104	111	.00	.00	10	15	852	.0	5
7025.0	4:21	3.87	104	111	.00	.00	10	15	843	.0	4
7030.0	4:26	3.85	104	110	.00	.00	10	15	849	.0	5
7035.0	4:30	3.82	105	111	.00	.00	10	15	857	.0	5
7040.0	4:34	3.87	105	111	.00	.00	10	15	851	.0	5
7045.0	4:38	3.94	105	111	.00	.00	10	15	854	.0	5
7050.0	4:42	3.87	105	111	.00	.00	10	15	856	.0	5
4605											
7055.0	4:53	3.87	105	111	.00	.00	10	14	797	.0	5
7060.0	4:57	3.83	105	112	.00	.00	10	14	854	.0	5
7065.0	5: 2	3.86	105	113	.00	.00	10	14	857	.0	5
7070.0	5: 7	3.95	106	113	.00	.00	10	14	851	.0	5
7075.0	5:12	3.94	106	113	.00	.00	10	14	854	.0	5
7080.0	5:17	3.97	107	113	.00	.00	10	14	850	.0	5
7085.0	5:34	4.05	107	114	.00	.00	10	14	822	.0	5
7090.0	5:39	3.90	106	114	.00	.00	10	14	850	.0	5
7095.0	5:46	4.07	107	115	.00	.00	10	14	850	.0	5
7100.0	5:51	3.96	107	115	.00	.00	10	14	849	.0	5
4655											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
4655											
7105.0	5:57	3.98	108	115	.00	.00	10	14	848	.0	5
7110.0	6: 2	3.97	108	115	.00	.00	10	14	847	.0	5
7115.0	6:14	3.99	108	115	.00	.00	10	14	779	.0	5
7120.0	6:20	3.99	108	115	.00	.00	10	14	791	.0	5
7125.0	6:24	3.95	108	113	.00	.00	10	14	841	.0	5
7130.0	6:29	3.91	109	116	.00	.00	10	14	856	.0	5
7135.0	6:36	4.08	110	116	.00	.00	10	14	850	.0	5
7140.0	6:42	3.95	111	116	.00	.00	10	14	851	.0	5
7145.0	6:54	3.91	110	116	.00	.00	10	14	800	.0	5
7150.0	6:59	3.78	110	115	.00	.00	10	14	859	.0	4
4704											
7155.0	7: 3	3.79	110	116	.00	.00	10	14	859	.0	5
7160.0	7: 9	3.90	110	116	.00	.00	10	14	857	.0	5
7165.0	7:13	3.78	110	116	.00	.00	10	14	854	.0	5
7170.0	7:18	3.88	111	113	.00	.00	10	14	853	.0	5
7175.0	7:22	3.84	111	114	.00	.00	10	14	850	.0	5
7180.0	7:34	3.51	112	116	.00	.00	10	14	794	.0	5
7185.0	7:38	3.72	112	117	.00	.00	10	14	863	.0	5
7190.0	7:43	3.91	112	117	.00	.00	10	14	848	.0	4
7195.0	7:47	3.82	113	118	.00	.00	10	14	864	.0	3
7200.0	7:51	3.80	113	117	.00	.00	10	14	850	.0	4
4750											
7205.0	7:56	3.93	113	116	.00	.00	10	14	855	.0	5
7210.0	8: 6	3.61	112	117	.00	.00	10	14	777	.0	5
7215.0	8: 9	3.79	112	114	.00	.00	10	14	857	.0	3
7220.0	8:13	3.92	112	117	.00	.00	10	14	860	.0	4
7225.0	8:17	3.73	112	118	.00	.00	10	14	854	.0	5
7230.0	8:22	3.91	112	118	.00	.00	10	14	860	.0	5
7235.0	8:25	3.77	112	119	.00	.00	10	14	862	.0	4
7240.0	8:29	3.87	113	120	.00	.00	10	14	856	.0	5
7245.0	8:38	3.83	113	119	.00	.00	10	14	826	.0	5
7250.0	8:41	3.83	113	118	.00	.00	10	14	849	.0	5
4796											
7255.0	8:46	3.92	113	118	.00	.00	12	16	852	.0	5
7260.0	8:50	3.87	113	118	.00	.00	12	16	852	.0	5
7265.0	8:54	3.90	113	118	.00	.00	12	16	855	.0	5
7270.0	8:59	3.91	113	118	.00	.00	12	16	856	.0	5
7275.0	9: 8	3.78	113	117	.00	.00	12	16	803	.0	5
7280.0	9:14	3.93	113	117	.00	.00	12	16	860	.0	5
7285.0	9:17	3.82	112	117	.00	.00	12	16	843	.0	5
7290.0	9:23	3.97	112	114	.00	.00	12	16	837	.0	4
7295.0	9:27	3.83	113	114	.00	.00	12	16	843	.0	5
7300.0	9:32	3.98	113	116	.00	.00	12	16	841	.0	5
4845											
7305.0	9:42	3.80	113	111	.00	.00	12	16	800	.0	5
7310.0	9:46	3.89	113	116	.00	.00	12	16	854	.0	5
7315.0	9:51	3.91	113	116	.00	.00	12	16	853	.0	5
7320.0	9:56	3.95	114	116	.00	.00	12	16	852	.0	5
7325.0	10: 0	3.86	114	116	.00	.00	12	16	854	.0	5
7330.0	10: 5	3.92	114	115	.00	.00	12	16	849	.0	5
7335.0	10:14	3.64	115	115	.00	.00	12	16	860	.0	5
7340.0	10:19	3.25	114	114	.00	.00	12	16	799	.0	5
7345.0	10:24	3.86	114	111	.00	.00	12	16	840	.0	5
7350.0	10:29	3.92	114	114	.00	.00	12	16	840	.0	5
4895											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
4895											
7355.0	10:33	3.87	114	114	.00	.00	12	16	841	.0	5
7360.0	10:37	3.76	115	115	.00	.00	12	16	833	.0	5
7365.0	10:43	4.00	115	116	.00	.00	12	16	838	.0	4
7370.0	10:56	3.55	116	118	.00	.00	12	16	835	.0	5
7375.0	11: 1	3.81	116	119	.00	.00	12	16	860	.0	5
7380.0	11: 9	3.85	116	119	.00	.00	12	16	569	.0	5
7385.0	11:15	3.96	115	119	.00	.00	12	16	836	.0	5
7390.0	11:21	3.94	115	117	.00	.00	12	16	837	.0	5
7395.0	11:25	3.86	115	116	.00	.00	12	16	836	.0	5
7400.0	11:36	3.68	116	119	.00	.00	12	16	816	.0	5
4944											
7405.0	11:42	3.87	116	121	.00	.00	12	16	841	.0	4
7410.0	11:48	3.90	116	120	.00	.00	12	16	846	.0	5
7415.0	11:52	3.91	116	121	.00	.00	12	16	844	.0	4
7420.0	11:58	4.03	116	121	.00	.00	12	16	847	.0	5
7425.0	12: 4	3.97	117	121	.00	.00	12	16	842	.0	5
7430.0	12:19	3.90	117	122	.00	.00	12	16	844	.0	5
7435.0	12:22	3.66	117	123	.00	.00	12	16	831	.0	5
7440.0	12:29	3.91	117	123	.00	.00	12	16	839	.0	5
7450.0	12:40	3.70	118	123	.00	.00	12	16	837	.0	9
7455.0	12:45	3.68	118	123	.00	.00	17	16	838	.0	4
4995											
7460.0	12:50	3.69	119	123	.00	.00	18	16	832	.0	5
7465.0	13: 1	3.65	119	124	.00	.00	18	16	814	.0	5
7470.0	13: 8	3.97	119	125	.00	.00	18	16	838	.0	5
7475.0	13:13	3.83	120	125	.00	.00	18	16	844	.0	5
7480.0	13:20	4.03	120	125	.00	.00	18	16	836	.0	5
7485.0	13:26	3.94	121	126	.00	.00	18	16	827	.0	5
7490.0	13:34	4.03	121	126	.00	.00	18	16	826	.0	5
7495.0	13:48	3.95	121	125	.00	.00	18	16	785	.0	5
7500.0	13:54	3.94	121	123	.00	.00	18	16	820	.0	5
7505.0	14: 0	4.00	122	127	.00	.00	18	16	821	.0	5
5045											
7510.0	14: 8	4.04	122	129	.00	.00	18	16	824	.0	5
7515.0	14:16	4.08	122	130	.00	.00	18	16	820	.0	5
7520.0	14:23	4.08	122	130	.00	.00	18	16	832	.0	5
7525.0	14:40	4.15	123	130	.00	.00	18	16	808	.0	5
7530.0	14:47	4.07	123	130	.00	.00	18	16	829	.0	5
7535.0	14:54	4.10	123	131	.00	.00	18	16	828	.0	5
7540.0	15: 0	4.02	123	131	.00	.00	18	16	841	.0	5
7545.0	15: 7	4.12	123	131	.00	.00	18	16	842	.0	5
7550.0	15:22	4.04	123	131	.00	.00	18	16	815	.0	5
7555.0	15:28	3.99	123	131	.00	.00	18	14	830	.0	5
5095											
7560.0	15:38	3.95	123	131	.00	.00	18	14	770	.0	5
7565.0	15:45	4.06	123	132	.00	.00	18	14	847	.0	5
7570.0	15:52	4.12	124	132	.00	.00	18	14	846	.0	5
7575.0	15:59	4.08	124	132	.00	.00	18	14	845	.0	5
7580.0	16: 7	4.11	124	132	.00	.00	18	14	842	.0	5
7590.0	16:29	4.08	124	130	.00	.00	14	18	830	.0	9
7595.0	16:36	4.07	124	132	.00	.00	14	18	836	.0	5
7600.0	16:42	4.07	125	133	.00	.00	14	18	839	.0	5
7605.0	16:49	4.07	125	133	.00	.00	14	18	836	.0	5
7610.0	16:56	4.10	126	134	.00	.00	14	18	835	.0	5
5149											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
5149											
7615.0	17: 3	4.07	127	134	.00	.00	14	18	833	.0	5
7620.0	17:20	4.08	127	132	.00	.00	14	18	799	.0	5
7625.0	17:27	4.11	126	133	.00	.00	14	18	820	.0	5
7630.0	17:35	4.18	126	134	.00	.00	14	18	829	.0	5
7635.0	17:42	4.10	126	134	.00	.00	14	18	834	.0	5
7640.0	17:50	4.17	126	134	.00	.00	14	18	835	.0	5

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	64										
				NEW BIT ID:	7						
7650.0	7:30	3.96	96	107	.00	.00	10	19	862	.0	1
7655.0	7:49	4.42	100	107	.00	.00	10	19	866	.0	5
7660.0	8:11	4.49	102	107	.00	.00	10	19	856	.0	5
7665.0	8:29	4.46	103	107	.00	.00	10	19	850	.0	5
7670.0	8:48	4.50	103	108	.00	.00	10	19	854	.0	5
7675.0	9: 2	4.52	103	108	.00	.00	10	19	866	.0	5
7680.0	9:15	4.48	103	108	.00	.00	10	19	863	.0	5
7685.0	9:42	4.44	104	108	.00	.00	10	19	855	.0	5
7690.0	9:54	4.48	104	109	.00	.00	10	19	853	.0	5
7695.0	10: 6	4.43	102	109	.00	.00	10	19	857	.0	5
	114										
7700.0	10:17	4.47	102	109	.00	.00	10	17	879	.0	5
7705.0	10:28	4.39	103	111	.00	.00	10	13	898	.0	5
7710.0	10:38	4.39	104	110	.00	.00	10	13	894	.0	5
7715.0	10:58	4.30	105	107	.00	.00	10	13	879	.0	3
7720.0	11: 8	4.40	105	108	.00	.00	10	13	890	.0	5
7725.0	11:19	4.37	105	110	.00	.00	10	13	895	.0	5
7730.0	11:29	4.34	105	111	.00	.00	10	19	857	.0	5
7735.0	11:39	4.37	105	111	.00	.00	10	19	859	.0	5
7740.0	11:48	4.39	106	110	.00	.00	10	19	859	.0	5
7745.0	12:16	4.40	106	114	.00	.00	10	19	854	.0	5
	162										
7750.0	12:25	4.36	106	117	.00	.00	10	19	834	.0	5
7755.0	12:36	4.37	106	118	.00	.00	10	19	836	.0	5
7760.0	12:47	4.38	106	119	.00	.00	10	19	837	.0	5
7765.0	12:57	4.35	107	119	.00	.00	10	19	838	.0	5
7770.0	13: 1	4.39	106	120	.00	.00	10	19	839	.0	2
7775.0	13:40	4.34	107	119	.00	.00	10	19	861	.0	2
7780.0	13:44	4.31	107	121	.00	.00	10	19	860	.0	2
7785.0	13:52	4.28	107	120	.00	.00	10	19	855	.0	5
7790.0	14: 1	4.31	108	119	.00	.00	10	19	853	.0	5
7795.0	14:12	4.40	109	119	.00	.00	10	19	848	.0	5
	203										
7800.0	14:22	4.35	110	119	.00	.00	10	19	849	.0	5
7805.0	14:31	4.31	110	118	.00	.00	10	19	851	.0	5
7810.0	14:53	4.29	110	117	.00	.00	10	19	852	.0	5
7815.0	15: 3	4.31	111	118	.00	.00	10	19	853	.0	5
7820.0	15:14	4.36	111	116	.00	.00	10	19	854	.0	5
7825.0	15:22	4.25	110	116	.00	.00	10	19	854	.0	5
7830.0	15:31	4.26	107	119	.00	.00	10	19	853	.0	5
7835.0	15:40	4.20	109	119	.00	.00	10	19	849	.0	5
7840.0	16: 5	4.30	109	120	.00	.00	10	19	850	.0	5
7845.0	16:11	4.13	109	121	.00	.00	10	19	852	.0	5
	253										
7850.0	16:18	4.18	110	121	.00	.00	10	19	853	.0	5
7855.0	16:26	4.21	110	122	.00	.00	10	19	850	.0	5
7860.0	16:34	4.26	110	119	.00	.00	10	19	846	.0	5
7865.0	16:45	4.38	110	120	.00	.00	10	19	846	.0	5
7870.0	17: 6	4.28	110	121	.00	.00	10	19	843	.0	5
7875.0	17:17	4.41	110	122	.00	.00	10	19	849	.0	5
7880.0	17:29	4.43	111	122	.00	.00	10	19	851	.0	5

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
288											
7885.0	17:42	4.45	111	123	.00	.00	10	19	847	.0	5
7890.0	17:54	4.41	110	122	.00	.00	10	19	838	.0	5
7895.0	18:10	4.55	110	123	.00	.00	10	19	842	.0	5
7900.0	18:40	4.52	110	123	.00	.00	10	19	842	.0	5
7905.0	18:52	4.44	110	124	.00	.00	10	19	840	.0	5
7910.0	18:58	4.09	111	124	.00	.00	10	19	848	.0	5
7920.0	20:11	3.84	114	117	.00	.00	10	19	853	.0	8
7925.0	20:17	4.11	114	117	.00	.00	10	19	865	.0	5
7935.0	20:37	3.93	114	117	.00	.00	10	19	858	.0	6
7940.0	20:42	3.94	113	117	.00	.00	10	19	857	.0	5
342											
7945.0	20:45	3.82	113	117	.00	.00	10	19	858	.0	4
7950.0	20:53	4.20	113	117	.00	.00	10	19	857	.0	5
7955.0	21: 1	4.27	113	118	.00	.00	10	19	859	.0	5
7960.0	21:20	4.23	112	118	.00	.00	10	19	859	.0	5
7965.0	21:29	4.25	111	119	.00	.00	9	18	861	.0	5
7970.0	21:37	4.26	111	120	.00	.00	11	22	837	.0	5
7975.0	21:46	4.25	111	121	.00	.00	11	22	841	.0	5
7980.0	21:56	4.29	111	121	.00	.00	11	22	841	.0	5
7985.0	22: 4	4.23	110	122	.00	.00	11	22	841	.0	5
7990.0	23:26	3.85	112	124	.00	.00	11	22	831	.0	4
390											
7995.0	23:29	3.66	113	126	.00	.00	11	22	841	.0	3
8000.0	23:34	3.84	113	126	.00	.00	11	22	843	.0	4
8005.0	23:38	3.78	113	127	.00	.00	11	22	846	.0	4
8010.0	23:41	3.74	113	127	.00	.00	11	22	844	.0	5
8020.0	0:42	3.52	112	127	.00	.00	11	22	846	.0	5
8025.0	0:43	3.58	112	126	.00	.00	11	22	842	.0	3
8030.0	0:58	3.69	112	127	.00	.00	11	22	843	.0	5
8035.0	1: 0	3.53	111	127	.00	.00	11	22	841	.0	4
8040.0	1: 1	3.50	111	127	.00	.00	11	22	842	.0	3
8045.0	1: 3	3.72	111	127	.00	.00	11	22	843	.0	5
431											
8050.0	1: 5	3.65	111	127	.00	.00	11	22	841	.0	4
8055.0	1: 8	3.68	111	127	.00	.00	11	22	842	.0	5
8060.0	1:18	3.91	111	127	.00	.00	11	22	843	.0	4
8065.0	1:21	3.63	111	127	.00	.00	11	22	846	.0	3
8070.0	1:23	3.60	111	127	.00	.00	11	22	836	.0	5
8075.0	1:26	3.76	110	127	.00	.00	11	22	836	.0	5
8080.0	1:32	4.09	110	127	.00	.00	11	22	833	.0	5
8085.0	1:36	4.01	110	127	.00	.00	11	22	835	.0	5
8090.0	1:41	3.98	110	127	.00	.00	11	22	840	.0	5
8095.0	2:23	3.96	110	126	.00	.00	11	22	836	.0	5
477											
8100.0	2:27	3.85	110	127	.00	.00	11	22	769	.0	5
8105.0	2:30	3.78	110	127	.00	.00	11	22	772	.0	5
8110.0	2:42	3.78	110	126	.00	.00	11	22	770	.0	5
8115.0	2:45	3.89	109	125	.00	.00	11	22	762	.0	5
8120.0	2:49	3.85	109	126	.00	.00	11	22	758	.0	5
8125.0	3: 3	3.95	108	123	.00	.00	11	22	755	.0	5
8130.0	3: 9	3.94	107	113	.00	.00	11	22	754	.0	4
8135.0	3:48	3.80	104	124	.00	.00	11	22	754	.0	4
8140.0	3:53	3.89	104	123	.00	.00	11	22	746	.0	5
8145.0	3:58	3.96	105	124	.00	.00	11	22	748	.0	5
525											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
525											
8150.0	4: 3	3.91	105	124	.00	.00	11	22	759	.0	5
8155.0	4:28	3.90	106	124	.00	.00	11	22	762	.0	5
8160.0	4:32	3.77	106	124	.00	.00	11	22	777	.0	5
8165.0	4:37	3.97	106	125	.00	.00	11	22	759	.0	5
8170.0	4:40	3.85	107	124	.00	.00	11	22	755	.0	5
8175.0	4:45	3.87	108	124	.00	.00	11	22	754	.0	5
8180.0	4:47	3.63	108	124	.00	.00	11	22	752	.0	5
8190.0	5: 3	3.74	108	123	.00	.00	11	22	753	.0	9
8195.0	5: 6	3.65	107	123	.00	.00	11	22	743	.0	5
8200.0	5:10	3.95	107	124	.00	.00	11	22	744	.0	5
579											
8205.0	5:14	3.73	107	124	.00	.00	11	22	747	.0	4

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	PMPR	PCSG	HSP
	64										
				NEW BIT ID:	2						
865.0	.0	.0	3	132	129	0	101.9	96.7	2200	0	386
875.0	10.0	.0	3	132	129	0	109.1	111.4	2180	0	395
900.0	25.0	.1	3	132	129	0	109.3	112.1	2180	0	416
950.0	50.0	.3	2	132	129	0	108.7	110.4	2180	0	446
1000.0	50.0	.4	2	132	129	0	109.6	111.0	2180	0	481
1050.0	50.0	.6	3	132	129	0	112.8	109.7	2180	0	517
1100.0	50.0	.8	4	132	127	0	112.4	110.8	2180	0	542
1150.0	50.0	.9	5	132	127	0	112.7	112.4	2180	0	577
1200.0	50.0	1.1	5	132	127	0	112.3	115.9	2180	0	612
1250.0	50.0	1.2	8	132	127	0	112.7	114.2	2180	0	626
	78										
1300.0	50.0	1.4	16	132	127	0	106.6	110.1	2202	0	665
1350.0	50.0	1.5	14	135	127	0	107.1	110.3	2212	0	676
1400.0	50.0	1.7	19	135	127	0	111.8	111.6	2333	0	702
1405.0	5.0	1.7	6	135	127	0	113.3	111.9	2342	0	704
1410.0	5.0	1.7	7	135	127	0	111.6	111.4	2332	0	631
1415.0	5.0	1.7	3	135	127	0	110.7	111.8	2334	0	636
1420.0	5.0	1.8	4	135	127	0	110.6	110.4	2315	0	640
1425.0	5.0	1.8	10	135	124	0	110.4	110.2	2299	0	645
1430.0	5.0	1.8	6	135	126	0	110.0	109.8	2297	0	650
1435.0	5.0	1.8	10	135	124	0	109.7	106.3	2234	0	652
	88										
1440.0	5.0	1.8	7	135	125	0	109.4	106.0	2229	0	656
1445.0	5.0	1.8	10	140	122	0	109.1	105.5	2226	0	661
1450.0	5.0	1.9	8	140	141	0	102.5	99.9	2143	0	648
1455.0	5.0	1.9	14	140	122	0	111.9	104.8	2182	0	653
1460.0	5.0	1.9	5	140	132	0	111.5	104.2	2199	0	657
1465.0	5.0	1.9	20	140	131	0	112.1	104.3	2165	0	662
1470.0	5.0	1.9	21	143	121	0	109.9	108.1	2261	0	667
1475.0	5.0	1.9	18	143	150	0	106.9	103.8	2041	0	670
1480.0	5.0	2.0	19	143	117	0	109.8	109.5	2292	0	672
1485.0	5.0	2.0	18	143	123	0	112.2	108.7	2317	0	676
	98										
1490.0	5.0	2.0	20	143	125	0	110.4	110.4	2305	0	680
1495.0	5.0	2.0	18	145	127	0	111.3	108.4	2310	0	684
1500.0	5.0	2.0	12	145	133	0	110.9	108.1	2319	0	688
1505.0	5.0	2.0	19	145	137	0	110.4	109.0	2319	0	672
1510.0	5.0	2.0	12	145	133	0	110.8	108.1	2319	0	677
1515.0	5.0	2.0	25	152	132	0	110.5	107.6	1882	0	682
1520.0	5.0	2.1	29	152	123	0	112.5	107.5	2331	0	687
1525.0	5.0	2.1	26	152	126	0	111.8	107.9	2332	0	691
1530.0	5.0	2.1	28	152	124	0	111.2	107.0	2332	0	695
1535.0	5.0	2.1	26	152	126	0	111.9	107.9	2331	0	700
	108										
1540.0	5.0	2.1	26	152	126	0	113.0	108.1	2334	0	704
1545.0	5.0	2.2	25	152	127	0	112.4	108.6	2340	0	709
1550.0	5.0	2.2	21	152	131	0	111.6	109.1	2336	0	713
1555.0	5.0	2.2	20	152	132	0	112.3	109.8	2304	0	717
1560.0	5.0	2.2	24	162	135	0	113.9	110.9	2402	0	721
1565.0	5.0	2.2	25	162	137	0	114.4	110.1	2400	0	725
1570.0	5.0	2.2	27	162	134	0	114.2	112.0	2079	0	721

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	115										
1575.0	5.0	2.2	36	162	126	0	113.1	106.0	2279	0	725
1580.0	5.0	2.3	34	162	128	0	114.1	109.0	2282	0	728
1585.0	5.0	2.3	28	162	134	0	110.6	107.6	2276	0	729
1590.0	5.0	2.3	27	162	135	0	109.7	107.4	2271	0	732
1595.0	5.0	2.3	33	162	129	0	110.5	106.4	2276	0	735
1600.0	5.0	2.3	30	162	132	0	110.8	107.6	2277	0	738
1605.0	5.0	2.4	29	150	128	0	112.6	108.3	2232	0	731
1610.0	5.0	2.4	20	150	130	0	110.2	102.6	2244	0	736
1615.0	5.0	2.4	22	150	128	0	109.9	101.0	2248	0	740
1620.0	5.0	2.4	17	150	133	0	110.5	101.3	2242	0	744
	125										
1625.0	5.0	2.4	13	150	137	0	111.0	103.1	2256	0	746
1630.0	5.0	2.4	11	150	139	0	109.1	101.2	2251	0	750
1635.0	5.0	2.5	30	165	133	0	111.1	103.6	1825	0	746
1640.0	5.0	2.5	42	165	123	0	112.3	109.7	2369	0	751
1645.0	5.0	2.5	41	165	124	0	112.7	110.0	2371	0	756
1650.0	5.0	2.5	40	165	125	0	111.9	109.4	2376	0	760
1655.0	5.0	2.5	42	165	123	0	113.0	109.6	2377	0	765
1660.0	5.0	2.5	40	172	132	0	110.2	108.3	2284	0	750
1665.0	5.0	2.5	45	155	115	0	105.8	107.7	2266	0	747
1670.0	5.0	2.5	35	155	120	0	104.8	105.5	2258	0	751
	138										
1675.0	5.0	2.6	31	155	124	0	105.7	105.5	2258	0	756
1680.0	5.0	2.6	30	155	125	0	105.5	105.1	2253	0	760
1685.0	5.0	2.6	30	155	125	0	105.8	105.7	2257	0	764
1690.0	5.0	2.6	30	155	125	0	104.8	105.6	2256	0	770
1695.0	5.0	2.6	31	155	124	0	105.1	105.7	2252	0	774
1700.0	5.0	2.6	26	155	129	0	105.2	106.1	2251	0	779
1705.0	5.0	2.6	25	155	130	0	105.4	106.1	2255	0	782
1710.0	5.0	2.7	23	155	132	0	104.8	104.4	2252	0	788
1715.0	5.0	2.7	33	195	149	0	103.1	105.7	1198	0	804
1720.0	5.0	2.7	32	165	135	0	.0	105.7	869	0	803
	152										
1725.0	5.0	2.7	32	165	133	0	.0	106.6	873	0	809
1730.0	5.0	2.7	35	165	130	0	39.5	104.0	1599	0	806
1735.0	5.0	2.7	38	165	127	0	106.3	97.2	2100	0	809
1740.0	5.0	2.7	36	165	129	0	40.9	104.4	1212	0	813
1745.0	5.0	2.8	29	165	136	0	.1	108.9	889	0	818
1750.0	5.0	2.8	32	165	133	0	.0	109.5	885	0	850
1755.0	5.0	2.8	35	165	130	0	.0	108.4	880	0	809
1760.0	5.0	2.8	39	165	126	0	44.6	106.2	1684	0	810
1765.0	5.0	2.8	42	165	123	0	111.2	102.9	2321	0	790
1770.0	5.0	2.9	46	165	119	0	111.1	103.2	2320	0	796
	179										
1775.0	5.0	2.9	43	165	122	0	112.0	103.9	2316	0	802
1780.0	5.0	2.9	40	165	125	0	112.1	103.7	2309	0	807
1785.0	5.0	2.9	43	165	122	0	111.9	104.5	2253	0	810
1790.0	5.0	2.9	40	165	125	0	109.6	97.3	2194	0	816
1795.0	5.0	2.9	43	165	122	0	110.4	97.5	2192	0	823
1800.0	5.0	3.0	39	165	126	0	109.9	95.8	2186	0	825
1805.0	5.0	3.0	37	165	128	0	110.9	96.7	2194	0	827
1810.0	5.0	3.0	33	165	129	0	109.9	96.9	2052	0	827
1815.0	5.0	3.0	42	165	123	0	108.2	106.7	2319	0	827
1820.0	5.0	3.1	42	165	123	0	109.0	100.5	2220	0	835
	208										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	208										
1825.0	5.0	3.1	42	165	123	0	108.8	99.5	2221	0	838
1830.0	5.0	3.1	38	165	127	0	109.2	99.6	2224	0	841
1835.0	5.0	3.1	41	165	124	0	109.0	100.1	2223	0	843
1840.0	5.0	3.1	38	165	127	0	110.2	99.9	2229	0	845
1845.0	5.0	3.1	33	165	132	0	109.1	99.0	2091	0	846
1850.0	5.0	3.2	42	165	123	0	111.3	104.0	2314	0	851
1855.0	5.0	3.2	40	165	125	0	110.3	102.2	2316	0	856
1860.0	5.0	3.2	41	165	124	0	110.5	102.5	2319	0	862
1865.0	5.0	3.2	41	165	124	0	110.7	102.8	2319	0	863
1870.0	5.0	3.2	38	165	127	0	110.1	102.1	2318	0	869
	231										
1875.0	5.0	3.2	38	165	127	0	108.3	107.4	2202	0	853
1880.0	5.0	3.3	30	165	135	0	107.2	108.3	2342	0	858
1885.0	5.0	3.3	31	166	135	0	112.8	101.3	2337	0	862
1890.0	5.0	3.3	33	166	133	0	113.2	100.0	2342	0	868
1895.0	5.0	3.3	34	166	132	0	112.3	100.1	2318	0	872
1900.0	5.0	3.3	31	166	135	0	108.7	100.9	2282	0	878
1910.0	10.0	3.3	34	166	131	0	109.5	103.2	2219	0	870
1915.0	5.0	3.3	37	166	129	0	110.0	105.5	2370	0	862
1920.0	5.0	3.4	36	166	130	0	111.4	105.9	2371	0	864
1925.0	5.0	3.4	37	166	129	0	110.9	105.4	2369	0	868
	251										
1930.0	5.0	3.4	35	166	131	0	110.9	105.7	2370	0	873
1935.0	5.0	3.4	35	167	131	0	111.4	104.9	2312	0	879
1940.0	5.0	3.4	40	167	127	0	100.5	105.4	2294	0	883
1945.0	5.0	3.4	39	167	128	0	104.3	107.8	2300	0	885
1950.0	5.0	3.4	39	167	128	0	103.4	107.2	2298	0	887
1955.0	5.0	3.5	37	167	130	0	103.5	106.9	2299	0	887
1960.0	5.0	3.5	40	167	127	0	102.4	107.3	2298	0	891
1965.0	5.0	3.5	36	167	131	0	104.1	107.5	2293	0	984
1970.0	5.0	3.6	32	167	135	0	105.6	106.1	2177	0	900
1975.0	5.0	3.6	30	167	137	0	107.3	103.5	2313	0	902
	273										
1980.0	5.0	3.6	31	167	136	0	106.9	103.6	2313	0	905
1985.0	5.0	3.6	29	167	138	0	107.8	104.2	2314	0	910
1990.0	5.0	3.6	32	168	136	0	107.4	103.9	2310	0	911
1995.0	5.0	3.7	28	168	140	0	107.4	104.4	2318	0	915
2000.0	5.0	3.7	25	168	143	0	107.4	104.1	2318	0	920
2005.0	5.0	3.7	33	168	134	0	108.2	107.1	2181	0	914
2010.0	5.0	3.7	33	168	135	0	109.0	110.9	2465	0	911
2015.0	5.0	3.7	33	168	135	0	110.0	110.8	2473	0	903
2020.0	5.0	3.8	39	168	129	0	110.1	110.8	2478	0	906
2025.0	5.0	3.8	33	168	135	0	110.0	111.0	2477	0	910
	291										
2030.0	5.0	3.8	33	168	135	0	110.5	111.9	2478	0	915
2035.0	5.0	3.8	33	168	135	0	109.3	109.7	2384	0	919
2040.0	5.0	3.8	35	168	133	0	108.3	106.7	2369	0	924
2045.0	5.0	3.8	36	168	132	0	109.1	107.0	2370	0	929
2050.0	5.0	3.9	35	168	133	0	108.4	107.6	2370	0	933
2055.0	5.0	3.9	34	168	134	0	107.8	106.0	2366	0	938
2060.0	5.0	3.9	35	168	133	0	107.9	106.7	2367	0	947
2065.0	5.0	3.9	33	168	135	0	108.7	106.7	2367	0	964
2070.0	5.0	3.9	37	169	132	0	108.8	109.3	2322	0	956
2075.0	5.0	3.9	37	169	132	0	109.7	109.7	2417	0	970
	318										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	318										
2080.0	5.0	4.0	37	169	132	0	108.8	110.3	2417	0	959
2085.0	5.0	4.0	32	169	137	0	109.8	110.7	2414	0	960
2090.0	5.0	4.0	31	169	138	0	108.9	110.0	889	0	948
2095.0	5.0	4.1	42	169	127	0	108.2	111.1	2370	0	952
2100.0	5.0	4.1	40	169	129	0	109.0	111.6	2368	0	956
2105.0	5.0	4.1	36	169	133	0	107.9	110.2	2367	0	972
2110.0	5.0	4.1	40	169	129	0	108.2	109.2	2364	0	977
2115.0	5.0	4.1	35	169	134	0	107.7	110.1	2363	0	977
2120.0	5.0	4.1	34	169	135	0	108.4	110.3	2356	0	983
2125.0	5.0	4.1	34	169	135	0	107.3	109.8	2355	0	990
	334										
2130.0	5.0	4.1	34	169	135	0	108.6	108.2	2276	0	988
2135.0	5.0	4.2	35	169	134	0	111.8	103.3	2318	0	977
2140.0	5.0	4.2	31	169	138	0	111.6	102.5	2323	0	1009
2145.0	5.0	4.2	38	169	131	0	112.8	102.2	2319	0	1001
2150.0	5.0	4.2	35	169	134	0	112.4	103.2	2322	0	1029
2155.0	5.0	4.2	34	169	135	0	111.3	102.3	2329	0	1008
2160.0	5.0	4.3	28	169	141	0	112.3	102.7	2334	0	1006
2165.0	5.0	4.3	39	170	131	0	111.6	101.2	2071	0	984
2170.0	5.0	4.3	39	170	131	0	111.1	101.7	2325	0	1012
2175.0	5.0	4.3	38	170	132	0	111.8	102.3	2328	0	1008
	363										
2180.0	5.0	4.3	37	170	133	0	111.4	102.1	2331	0	1014
2185.0	5.0	4.3	39	170	131	0	111.6	101.6	2331	0	1060
2190.0	5.0	4.4	36	170	134	0	111.1	101.3	2332	0	1015
2195.0	5.0	4.4	35	170	133	0	111.3	101.5	2208	0	998
2200.0	5.0	4.4	36	170	134	0	111.8	100.9	2376	0	1013
2205.0	5.0	4.4	36	170	134	0	112.9	102.8	2373	0	1022
2210.0	5.0	4.4	26	170	144	0	111.5	102.5	2376	0	1031
2215.0	5.0	4.5	16	170	154	0	110.0	100.3	2379	0	1028
2220.0	5.0	4.5	32	170	138	0	112.8	101.9	2375	0	1033
2225.0	5.0	4.5	34	170	135	0	112.9	101.9	2267	0	1020
	385										
2230.0	5.0	4.5	38	170	132	0	114.5	104.5	2427	0	1018
2235.0	5.0	4.5	37	170	133	0	114.6	104.5	2428	0	1037
2240.0	5.0	4.5	35	170	135	0	114.7	103.0	2428	0	1060
2245.0	5.0	4.6	38	170	132	0	114.1	103.8	2429	0	1035
2250.0	5.0	4.6	33	170	137	0	114.3	103.3	2430	0	1041
2255.0	5.0	4.6	28	170	132	0	115.0	102.9	1911	0	1024
2260.0	5.0	4.6	38	170	132	0	117.8	99.5	2428	0	1029
2265.0	5.0	4.6	40	170	130	0	117.3	99.3	2428	0	1033
2270.0	5.0	4.7	37	170	133	0	117.9	100.4	2429	0	1039
2275.0	5.0	4.7	35	170	135	0	117.8	98.9	2429	0	1042
	400										
2280.0	5.0	4.7	37	170	133	0	116.7	99.5	2429	0	1062
2285.0	5.0	4.7	35	170	135	0	117.9	99.3	2407	0	1060
2290.0	5.0	4.7	39	170	131	0	116.6	106.3	2516	0	1047
2295.0	5.0	4.7	36	170	134	0	117.2	106.0	2516	0	1048
2300.0	5.0	4.7	37	170	133	0	117.3	106.8	2517	0	1053
2305.0	5.0	4.8	38	170	132	0	117.3	106.9	2516	0	1075
2310.0	5.0	4.8	37	170	133	0	116.9	107.2	2516	0	1091
2315.0	5.0	4.8	35	170	134	0	116.2	105.7	2449	0	1068
2320.0	5.0	4.8	35	170	135	0	115.2	99.3	2430	0	1055
2325.0	5.0	4.8	36	170	134	0	115.3	99.6	2428	0	1068
	425										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	425										
2330.0	5.0	4.8	35	170	135	0	115.8	99.4	2428	0	1079
2335.0	5.0	4.9	34	170	135	0	115.0	99.3	2273	0	1085
2340.0	5.0	4.9	35	171	136	0	115.8	102.1	2463	0	1061
2345.0	5.0	4.9	35	171	136	0	115.3	102.7	2477	0	1064
2350.0	5.0	4.9	31	171	140	0	115.6	103.0	2476	0	1100
2355.0	5.0	4.9	34	171	137	0	114.9	101.6	2476	0	1090
2360.0	5.0	5.0	34	171	137	0	115.2	102.3	2466	0	1083
2365.0	5.0	5.0	31	171	140	0	116.0	102.8	2467	0	1103
2370.0	5.0	5.0	32	171	139	0	115.4	102.2	2467	0	1102
2375.0	5.0	5.0	33	171	138	0	115.6	102.6	2469	0	1097
	441										
2380.0	5.0	5.0	31	171	136	0	114.8	102.9	2216	0	1098
2385.0	5.0	5.0	36	171	135	0	103.2	112.5	2415	0	1090
2390.0	5.0	5.1	35	171	136	0	103.8	112.4	2417	0	1106
2395.0	5.0	5.1	35	171	136	0	103.5	112.7	2417	0	1121
2400.0	5.0	5.1	35	171	136	0	104.9	112.8	2415	0	1104
2405.0	5.0	5.1	35	171	136	0	105.2	113.1	2416	0	1114
2410.0	5.0	5.2	34	171	137	0	103.4	112.8	2415	0	1101
2415.0	5.0	5.2	35	171	134	0	108.3	112.3	2370	0	1100
2420.0	5.0	5.2	37	171	134	0	111.0	111.1	2548	0	1128
2425.0	5.0	5.2	36	171	135	0	111.5	112.4	2547	0	1117
	463										
2430.0	5.0	5.2	32	171	139	0	110.3	112.6	2542	0	1119
2435.0	5.0	5.2	36	171	135	0	110.9	112.8	2543	0	1173
2440.0	5.0	5.3	36	171	135	0	110.5	111.9	2539	0	1123
2445.0	5.0	5.3	29	171	142	0	108.5	112.5	2437	0	1118
2450.0	5.0	5.3	26	171	145	0	106.3	112.1	2437	0	1113
2455.0	5.0	5.3	25	171	146	0	107.5	112.9	2429	0	1119
2460.0	5.0	5.4	22	171	149	0	108.7	105.4	2333	0	1124
2465.0	5.0	5.4	30	171	141	0	108.2	106.5	2339	0	1136
2470.0	5.0	5.4	27	171	144	0	108.7	105.2	2344	0	1171
2475.0	5.0	5.4	29	171	142	0	107.9	104.4	2344	0	1145
	483										
2480.0	5.0	5.4	31	172	141	0	107.9	107.7	2379	0	1127
2485.0	5.0	5.5	32	172	140	0	108.1	109.7	2442	0	1129
2490.0	5.0	5.5	30	172	142	0	107.8	109.0	2442	0	1133
2495.0	5.0	5.5	34	172	138	0	108.4	109.8	2441	0	1137
2500.0	5.0	5.5	32	172	140	0	107.5	109.7	2441	0	1135
2505.0	5.0	5.5	31	172	141	0	108.4	108.1	2427	0	1137
2510.0	5.0	5.5	34	172	138	0	108.3	109.5	2467	0	1145
2515.0	5.0	5.6	32	172	140	0	109.4	109.5	2474	0	1154
2520.0	5.0	5.6	32	172	140	0	108.6	109.9	2473	0	1155
2525.0	5.0	5.6	31	172	141	0	108.5	110.2	2470	0	1152
	516										
2530.0	5.0	5.6	26	172	146	0	108.3	110.1	2469	0	1148
2535.0	5.0	5.7	29	172	139	0	107.6	109.3	1905	0	1149
2540.0	5.0	5.7	33	172	139	0	109.0	112.4	2484	0	1170
2545.0	5.0	5.7	33	172	139	0	109.7	111.3	2490	0	1175
2550.0	5.0	5.7	31	172	141	0	109.4	111.9	2491	0	1175
2555.0	5.0	5.7	31	172	141	0	109.2	112.1	2492	0	1172
2560.0	5.0	5.7	33	172	139	0	109.3	110.8	2488	0	1183
2565.0	5.0	5.8	34	172	138	0	109.0	111.2	2489	0	1178
2570.0	5.0	5.8	33	172	139	0	105.0	110.0	2336	0	1179
2575.0	5.0	5.8	34	172	138	0	102.7	110.3	2340	0	1173
	537										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	537										
2580.0	5.0	5.8	32	172	140	0	102.8	109.7	2338	0	1184
2585.0	5.0	5.9	33	172	139	0	102.7	109.2	2331	0	1181
2590.0	5.0	5.9	34	172	138	0	102.8	109.0	2332	0	1185
2595.0	5.0	5.9	33	172	139	0	103.4	109.2	2338	0	1187
2600.0	5.0	5.9	35	172	137	0	103.4	109.8	2340	0	1181
2625.0	25.0	6.1	30	172	141	0	104.2	108.4	2252	0	1181
2650.0	25.0	6.2	31	172	141	0	107.6	106.7	2406	0	1203
2660.0	10.0	6.3	29	172	143	0	107.3	107.0	2405	0	1210
2665.0	5.0	6.3	28	172	144	0	107.9	106.6	2404	0	1214
2670.0	5.0	6.3	27	172	145	0	107.9	106.3	2407	0	1219
	559										
2675.0	5.0	6.4	26	172	146	0	108.0	106.7	2408	0	1221
2680.0	5.0	6.4	29	172	143	0	108.2	106.7	2405	0	1226
2685.0	5.0	6.4	35	172	137	0	108.6	106.5	2406	0	1231
2690.0	5.0	6.5	30	172	142	0	108.5	107.0	2412	0	1273
2700.0	10.0	6.5	34	173	139	0	105.5	111.4	2434	0	1279
2705.0	5.0	6.5	30	173	143	0	104.2	112.5	2437	0	1232
2710.0	5.0	6.6	34	173	139	0	104.5	111.7	2431	0	1236
2715.0	5.0	6.6	32	173	141	0	105.0	112.2	2431	0	1236
2720.0	5.0	6.6	34	173	139	0	104.9	111.8	2436	0	1235
2725.0	5.0	6.7	35	173	138	0	106.1	112.8	2438	0	1245
	604										
2730.0	5.0	6.7	34	173	139	0	104.8	112.4	2399	0	1247
2735.0	5.0	6.8	33	173	140	0	104.2	111.7	2380	0	1244
2740.0	5.0	6.8	33	173	140	0	103.7	112.6	2384	0	1249
2745.0	5.0	6.8	34	173	139	0	103.7	111.6	2381	0	1247
2750.0	5.0	6.9	37	173	136	0	104.0	111.7	2384	0	1250
2755.0	5.0	6.9	34	173	139	0	104.1	111.9	2392	0	1250
2760.0	5.0	6.9	34	173	139	0	105.1	112.6	2419	0	1261
2765.0	5.0	7.0	39	173	134	0	107.9	114.7	2503	0	1260
2770.0	5.0	7.0	34	173	139	0	107.7	114.9	2515	0	1262
2775.0	5.0	7.1	29	173	144	0	107.7	115.4	2515	0	1262
	650										
2780.0	5.0	7.1	31	173	142	0	108.0	115.0	2513	0	1264
2785.0	5.0	7.2	33	173	140	0	107.8	115.2	2513	0	1265
2790.0	5.0	7.2	30	173	143	0	108.0	114.9	2507	0	1266
2795.0	5.0	7.3	32	173	141	0	107.6	110.4	2435	0	1262
2800.0	5.0	7.3	33	173	140	0	108.5	109.5	2414	0	1264
2805.0	5.0	7.4	32	173	141	0	108.2	109.0	2410	0	1267
2810.0	5.0	7.4	32	173	141	0	108.2	109.4	2416	0	1269
2815.0	5.0	7.5	34	173	139	0	108.8	109.3	2419	0	1271
2820.0	5.0	7.5	33	173	140	0	109.0	110.8	2452	0	1275
2825.0	5.0	7.6	33	173	140	0	110.3	113.9	2524	0	1280
	694										
2830.0	5.0	7.6	34	173	139	0	110.6	113.6	2525	0	1283
2835.0	5.0	7.7	31	173	142	0	110.4	113.6	2530	0	1286
2840.0	5.0	7.7	29	173	144	0	110.0	114.0	2545	0	1287
2845.0	5.0	7.8	29	173	144	0	110.3	113.4	2551	0	1290
2850.0	5.0	7.9	31	173	142	0	110.0	113.4	2551	0	1291
2855.0	5.0	7.9	31	173	142	0	109.7	113.3	2529	0	1291
2860.0	5.0	8.0	31	173	142	0	109.0	112.7	2514	0	1292
2865.0	5.0	8.0	31	173	142	0	108.9	113.1	2511	0	1296
2870.0	5.0	8.1	31	173	142	0	108.8	113.4	2505	0	1300
2875.0	5.0	8.1	34	173	139	0	108.5	113.0	2503	0	1304
	737										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	737										
2880.0	5.0	8.1	32	174	141	0	108.5	112.5	2502	0	1305
2885.0	5.0	8.1	37	174	137	0	106.6	114.6	2504	0	1307
2890.0	5.0	8.2	35	174	139	0	106.7	113.5	2476	0	1312
2895.0	5.0	8.2	35	174	139	0	107.9	107.9	2415	0	1317
2900.0	5.0	8.2	31	174	143	0	107.4	108.1	2417	0	1322
2905.0	5.0	8.3	38	174	136	0	107.4	107.6	2417	0	1324
2910.0	5.0	8.3	33	174	141	0	107.9	107.6	2417	0	1325
2912.0	2.0	8.3	33	174	141	0	107.7	107.5	2417	0	1345
				NEW BIT ID:	3						
2915.0	.0	.0	13	179	165	0	98.0	101.9	2529	0	1317
2920.0	5.0	.1	21	185	164	0	94.8	103.0	2527	0	1321
	772										
2925.0	5.0	.2	20	185	165	0	98.3	101.1	2526	0	1328
2930.0	5.0	.3	20	185	165	0	97.9	102.6	2525	0	1333
2940.0	10.0	.3	19	185	166	0	101.8	100.3	2537	0	1342
2945.0	5.0	.4	14	185	171	0	102.6	100.4	2649	0	1346
2950.0	5.0	.5	18	185	167	0	103.4	96.7	2655	0	1340
2955.0	5.0	.5	24	185	161	0	104.5	95.0	2661	0	1337
2960.0	5.0	.5	25	185	160	0	103.4	94.7	2661	0	1343
2965.0	5.0	.6	22	185	163	0	103.1	99.8	2661	0	1347
2970.0	5.0	.6	22	185	163	0	104.6	103.2	2652	0	1352
2975.0	5.0	.7	22	185	163	0	102.4	104.0	2649	0	1354
	810										
2980.0	5.0	.7	28	185	157	0	101.5	103.9	2647	0	1356
2985.0	5.0	.7	27	185	158	0	101.5	104.3	2648	0	1358
2990.0	5.0	.8	27	185	158	0	100.9	104.3	2650	0	1362
2995.0	5.0	.8	24	185	161	0	101.2	104.3	2653	0	1367
3000.0	5.0	.8	24	185	161	0	101.1	103.7	2657	0	1371
3005.0	5.0	.9	23	185	162	0	104.4	100.9	2661	0	1372
3010.0	5.0	.9	26	185	159	0	104.0	102.0	2661	0	1374
3015.0	5.0	.9	25	185	160	0	104.7	103.4	2661	0	1378
3020.0	5.0	1.0	25	185	160	0	104.8	104.0	2661	0	1379
3025.0	5.0	1.0	24	185	161	0	105.1	103.7	2659	0	1380
	854										
3030.0	5.0	1.0	25	185	160	0	105.1	103.2	2657	0	1384
3035.0	5.0	1.1	25	185	162	0	104.6	102.2	2652	0	1385
3040.0	5.0	1.1	23	185	162	0	105.8	100.0	2647	0	1385
3045.0	5.0	1.1	23	185	162	0	104.7	102.4	2645	0	1388
3050.0	5.0	1.2	24	185	161	0	104.2	103.8	2643	0	1390
3055.0	5.0	1.2	33	189	155	0	104.3	104.0	2731	0	1393
3060.0	5.0	1.3	36	189	155	0	104.1	103.5	2800	0	1398
3065.0	5.0	1.3	34	190	156	0	104.2	103.5	2802	0	1402
3070.0	5.0	1.3	33	190	157	0	104.8	102.8	2800	0	1405
3075.0	5.0	1.4	33	190	157	0	108.8	101.9	2795	0	1404
	890										
3080.0	5.0	1.4	32	190	158	0	104.6	105.1	2795	0	1407
3085.0	5.0	1.4	32	190	158	0	100.5	108.8	2795	0	1409
3090.0	5.0	1.5	30	190	160	0	100.3	108.8	2795	0	1411
3095.0	5.0	1.5	31	190	159	0	100.4	108.4	2795	0	1412
3100.0	5.0	1.5	32	190	158	0	100.7	108.2	2795	0	1416
3105.0	5.0	1.6	28	195	165	0	97.5	92.6	2795	0	1410
3110.0	5.0	1.6	37	195	158	0	101.7	102.7	2795	0	1413

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	922										
3115.0	5.0	1.7	34	195	161	0	101.4	104.6	2795	0	1415
3120.0	5.0	1.7	32	195	163	0	101.3	104.5	2795	0	1419
3125.0	5.0	1.7	32	195	163	0	100.9	104.6	2795	0	1424
3130.0	5.0	1.8	31	195	164	0	101.1	104.6	2825	0	1430
3135.0	5.0	1.8	34	195	162	0	105.8	103.7	2829	0	1432
3140.0	5.0	1.8	35	196	162	0	103.7	103.1	2829	0	1435
3145.0	5.0	1.9	34	196	162	0	102.0	103.6	2827	0	1438
3150.0	5.0	1.9	33	196	164	0	102.0	103.4	2827	0	1440
3155.0	5.0	1.9	34	196	162	0	101.7	103.5	2826	0	1443
3160.0	5.0	1.9	33	196	163	0	101.4	103.8	2828	0	1446
	958										
3165.0	5.0	2.0	27	189	165	0	102.1	103.2	2829	0	1447
3170.0	5.0	2.0	36	198	162	0	105.8	100.1	2832	0	1447
3175.0	5.0	2.1	36	198	162	0	105.8	99.4	2832	0	1443
3180.0	5.0	2.1	35	198	163	0	105.6	99.2	2832	0	1445
3185.0	5.0	2.1	35	198	163	0	106.3	99.5	2833	0	1449
3190.0	5.0	2.2	35	198	163	0	106.2	99.7	2834	0	1455
3195.0	5.0	2.2	35	198	163	0	106.2	99.2	2838	0	1457
3200.0	5.0	2.3	36	199	163	0	107.3	96.5	2845	0	1452
3205.0	5.0	2.4	35	199	164	0	108.1	96.0	2850	0	1454
3210.0	5.0	2.4	35	199	164	0	109.2	96.2	2852	0	1459
	999										
3215.0	5.0	2.4	38	199	161	0	109.1	96.1	2854	0	1464
3220.0	5.0	2.5	34	199	165	0	109.5	95.9	2855	0	1469
3225.0	5.0	2.5	33	199	166	0	108.2	98.2	2856	0	1467
3230.0	5.0	2.6	35	199	164	0	104.5	104.5	2856	0	1464
3235.0	5.0	2.6	34	199	165	0	104.6	105.1	2857	0	1469
3240.0	5.0	2.6	32	199	167	0	104.8	105.3	2862	0	1477
3245.0	5.0	2.7	29	199	170	0	104.9	105.2	2864	0	1487
3250.0	5.0	2.7	30	201	167	0	108.1	101.1	2866	0	1508
3255.0	5.0	2.8	33	201	168	0	109.0	100.6	2866	0	1513
3260.0	5.0	2.8	33	201	168	0	108.8	101.8	2868	0	1520
	1036										
3265.0	5.0	2.9	34	201	167	0	108.6	103.5	2868	0	1524
3270.0	5.0	2.9	33	201	168	0	108.7	103.8	2869	0	1527
3275.0	5.0	3.0	33	201	168	0	109.2	103.8	2871	0	1529
3280.0	5.0	3.0	32	201	169	0	108.6	103.5	2876	0	1532
3285.0	5.0	3.1	31	201	170	0	109.2	103.4	2877	0	1533
3290.0	5.0	3.1	31	201	170	0	112.7	98.8	2889	0	1524
3295.0	5.0	3.2	33	201	168	0	108.2	104.3	2889	0	1528
3300.0	5.0	3.2	32	201	169	0	104.7	108.6	2891	0	1533
3305.0	5.0	3.3	30	202	172	0	105.3	106.6	2893	0	1538
3310.0	5.0	3.4	32	203	171	0	106.1	105.0	2894	0	1543
	1085										
3315.0	5.0	3.4	31	203	172	0	104.9	103.6	2899	0	1546
3320.0	5.0	3.5	26	202	177	0	92.0	106.2	2783	0	1546
3325.0	5.0	3.6	32	202	170	0	97.9	106.6	2815	0	1545
3330.0	5.0	3.7	31	202	171	0	104.8	105.2	2944	0	1547
3335.0	5.0	3.7	29	202	173	0	104.6	105.2	2950	0	1551
3340.0	5.0	3.8	32	202	170	0	105.1	105.3	2960	0	1555
3345.0	5.0	3.8	34	201	167	0	105.2	105.0	2958	0	1558
3350.0	5.0	3.9	31	201	170	0	105.1	104.6	2965	0	1563
3355.0	5.0	3.9	30	202	172	0	103.2	101.2	2829	0	1563
3360.0	5.0	4.0	33	202	169	0	103.9	106.7	2982	0	1565
	1130										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1130											
3365.0	5.0	4.0	32	202	170	0	104.5	105.2	2971	0	1568
3370.0	5.0	4.1	33	202	169	0	105.5	105.8	3010	0	1570
3375.0	5.0	4.1	34	202	168	0	103.3	106.0	2951	0	1572
3380.0	5.0	4.2	33	202	169	0	103.2	106.5	2917	0	1576
3385.0	5.0	4.2	33	202	169	0	103.7	107.0	2922	0	1579
3390.0	5.0	4.3	33	202	169	0	105.9	106.4	2959	0	1575
3395.0	5.0	4.3	33	202	169	0	106.3	106.1	2965	0	1577
3400.0	5.0	4.3	34	202	168	0	106.4	106.2	2969	0	1579
3405.0	5.0	4.4	32	202	170	0	105.6	106.6	2956	0	1582
3410.0	5.0	4.5	32	202	170	0	105.2	106.9	2933	0	1586
1179											
3415.0	5.0	4.5	33	202	169	0	102.9	106.0	2886	0	1590
3420.0	5.0	4.6	32	202	170	0	105.4	105.8	2920	0	1592
3425.0	5.0	4.6	34	202	168	0	105.3	105.8	2920	0	1595
3430.0	5.0	4.6	32	202	170	0	104.7	105.4	2921	0	1598
3435.0	5.0	4.7	34	202	168	0	105.2	106.1	2923	0	1601
3440.0	5.0	4.7	33	202	169	0	105.3	105.5	2928	0	1606
3445.0	5.0	4.8	32	202	170	0	105.3	105.9	2941	0	1602
3450.0	5.0	4.8	32	202	170	0	105.0	107.1	2944	0	1597
3455.0	5.0	4.9	31	202	171	0	104.5	106.8	2925	0	1602
3460.0	5.0	4.9	31	202	171	0	105.0	107.1	2938	0	1607
1227											
3465.0	5.0	5.0	31	202	171	0	105.0	106.9	2941	0	1612
3470.0	5.0	5.0	31	202	171	0	105.3	106.7	2941	0	1617
3475.0	5.0	5.1	29	202	173	0	78.8	108.8	2356	0	1619
3480.0	5.0	5.1	30	202	172	0	.0	115.3	1004	0	1620
3485.0	5.0	5.2	26	202	176	0	.8	115.2	936	0	1624
3490.0	5.0	5.3	33	202	169	0	104.5	107.5	2964	0	1626
3495.0	5.0	5.3	32	202	170	0	104.4	106.9	2951	0	1629
3500.0	5.0	5.4	32	202	170	0	103.8	106.8	2944	0	1633
3505.0	5.0	5.4	31	202	171	0	104.3	106.4	2944	0	1638
3510.0	5.0	5.5	28	200	172	0	99.6	105.6	2821	0	1638
1273											
3515.0	5.0	5.5	30	201	171	0	104.4	104.5	2907	0	1638
3520.0	5.0	5.6	34	202	168	0	102.5	107.7	2933	0	1639
3525.0	5.0	5.6	33	202	169	0	103.6	106.7	2925	0	1640
3530.0	5.0	5.7	34	202	168	0	103.6	106.8	2928	0	1642
3535.0	5.0	5.7	32	202	170	0	103.3	106.4	2927	0	1646
3540.0	5.0	5.7	26	201	175	0	97.8	104.8	2764	0	1648
3545.0	5.0	5.8	32	202	170	0	95.4	104.9	2757	0	1650
3550.0	5.0	5.8	33	202	169	0	101.4	107.7	2923	0	1652
3555.0	5.0	5.9	32	202	170	0	101.8	107.8	2926	0	1655
3560.0	5.0	5.9	33	202	169	0	103.6	105.7	2933	0	1658
1320											
3565.0	5.0	6.0	34	202	168	0	106.1	106.2	2996	0	1661
3570.0	5.0	6.0	34	202	168	0	105.5	105.6	2968	0	1666
3575.0	5.0	6.1	32	202	170	0	99.6	108.4	2901	0	1664
3580.0	5.0	6.2	31	202	171	0	105.5	105.5	2989	0	1665
3585.0	5.0	6.2	32	202	170	0	106.1	107.7	3036	0	1668
3590.0	5.0	6.3	35	202	167	0	105.3	108.5	3037	0	1671
3595.0	5.0	6.3	35	202	167	0	105.1	108.4	3040	0	1675
3600.0	5.0	6.3	34	202	168	0	105.3	106.6	3004	0	1682
3605.0	5.0	6.4	32	203	170	0	101.6	104.4	2857	0	1689
3610.0	5.0	6.4	35	203	168	0	105.1	104.3	2985	0	1696
1363											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1363											
3615.0	5.0	6.5	35	203	168	0	106.0	105.9	3020	0	1701
3620.0	5.0	6.5	34	203	169	0	106.1	106.0	3015	0	1705
3625.0	5.0	6.6	35	203	168	0	106.5	106.0	3021	0	1708
3630.0	5.0	6.6	35	203	168	0	106.3	106.4	3027	0	1711
3635.0	5.0	6.7	32	203	171	0	105.8	106.2	2942	0	1711
3640.0	5.0	6.7	24	203	178	0	19.9	118.1	1068	0	1698
3645.0	5.0	6.8	27	203	176	0	12.8	118.3	1080	0	1697
3650.0	5.0	6.9	27	203	176	0	10.2	118.8	1085	0	1697
3655.0	5.0	7.0	32	203	171	0	71.3	110.8	2425	0	1702
3660.0	5.0	7.0	32	203	171	0	102.9	107.4	3004	0	1709
1413											
3665.0	5.0	7.1	32	201	170	0	102.3	105.7	2943	0	1719
3670.0	5.0	7.2	26	199	173	0	101.7	105.4	2959	0	1731
3675.0	5.0	7.2	27	200	172	0	101.4	106.9	2989	0	1741
3680.0	5.0	7.3	30	203	173	0	101.5	107.0	2988	0	1748
3685.0	5.0	7.3	31	203	172	0	101.4	107.2	2993	0	1752
3690.0	5.0	7.4	33	203	170	0	101.7	107.1	3002	0	1756
3695.0	5.0	7.5	33	203	170	0	101.9	107.2	3005	0	1756
3700.0	5.0	7.5	30	201	172	0	102.9	106.5	3040	0	1736
3705.0	5.0	7.6	31	201	170	0	103.7	105.6	3036	0	1738
3710.0	5.0	7.6	30	201	171	0	103.4	105.3	3038	0	1740
1462											
3715.0	5.0	7.6	31	201	170	0	103.7	105.2	3039	0	1745
3720.0	5.0	7.7	33	201	169	0	103.3	105.1	3040	0	1751
3725.0	5.0	7.7	30	201	171	0	103.7	105.3	3040	0	1760
3730.0	5.0	7.8	32	201	169	0	96.8	103.9	2883	0	1770
3735.0	5.0	7.8	30	201	171	0	103.2	106.0	3052	0	1772
3740.0	5.0	7.9	31	201	171	0	103.3	105.4	3051	0	1772
3745.0	5.0	7.9	31	201	171	0	103.1	105.6	3047	0	1774
3750.0	5.0	7.9	31	202	171	0	103.7	105.1	3051	0	1777
3755.0	5.0	8.0	31	203	172	0	103.6	105.0	3050	0	1779
3760.0	5.0	8.1	32	203	171	0	103.7	105.3	3054	0	1778
1507											
3765.0	5.0	8.2	33	203	170	0	102.9	104.0	3034	0	1763
3770.0	5.0	8.3	34	203	169	0	103.3	103.6	3028	0	1764
3775.0	5.0	8.3	32	203	171	0	103.1	103.7	3030	0	1771
3780.0	5.0	8.4	33	203	170	0	103.0	103.6	3028	0	1777
3785.0	5.0	8.4	32	203	171	0	103.0	103.5	3025	0	1782
3790.0	5.0	8.5	29	199	174	0	84.9	106.4	2646	0	1787
3795.0	5.0	8.6	29	199	171	0	94.9	104.9	2889	0	1790
3800.0	5.0	8.6	32	199	167	0	99.2	104.5	2955	0	1792
3805.0	5.0	8.7	30	199	169	0	99.2	104.1	2962	0	1792
3810.0	5.0	8.7	29	199	171	0	100.1	104.0	2973	0	1794
1555											
3815.0	5.0	8.8	30	200	170	0	99.8	104.2	2976	0	1798
3820.0	5.0	8.9	33	204	171	0	94.1	108.2	2946	0	1799
3825.0	5.0	8.9	34	204	170	0	102.3	103.0	3025	0	1805
3830.0	5.0	9.0	36	204	168	0	102.7	103.4	3058	0	1805
3835.0	5.0	9.1	35	204	169	0	103.3	102.6	3065	0	1807
3840.0	5.0	9.1	37	204	167	0	103.2	103.5	3064	0	1811
3845.0	5.0	9.2	35	204	169	0	103.4	103.1	3074	0	1813
3850.0	5.0	9.3	35	204	169	0	103.8	103.1	3069	0	1806
3855.0	5.0	9.4	37	204	167	0	99.1	105.4	3017	0	1802
3860.0	5.0	9.4	37	204	167	0	100.0	105.2	3046	0	1801
1597											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1597										
3865.0	5.0	9.4	38	204	166	0	102.2	102.2	3016	0	1805
3870.0	5.0	9.5	37	204	167	0	101.2	106.3	3095	0	1809
3875.0	5.0	9.6	36	204	168	0	101.3	106.0	3101	0	1814
3880.0	5.0	9.6	39	204	165	0	100.8	106.0	3099	0	1822
3885.0	5.0	9.7	39	203	165	0	105.3	103.3	2455	0	1821
3890.0	5.0	9.8	30	204	174	0	90.5	112.9	965	0	1825
3895.0	5.0	9.9	33	204	171	0	.0	114.9	1110	0	1830
3900.0	5.0	10.0	30	204	174	0	.0	109.6	1082	0	1813
3905.0	5.0	10.0	33	204	171	0	.0	107.9	1072	0	1819
3910.0	5.0	10.1	31	204	173	0	.0	108.1	1074	0	1827
	1642										
3915.0	5.0	10.2	30	204	174	0	.0	108.5	1083	0	1834
3920.0	5.0	10.3	32	204	172	0	.0	106.9	1065	0	1848
3925.0	5.0	10.4	32	204	172	0	.0	111.6	1074	0	1856
3930.0	5.0	10.5	31	204	173	0	.0	113.9	1081	0	1859
3935.0	5.0	10.6	30	204	174	0	.0	113.9	1086	0	1861
3940.0	5.0	10.6	28	204	176	0	3.9	111.3	1246	0	1863
3945.0	5.0	10.7	33	204	171	0	102.6	97.2	2941	0	1872
3950.0	5.0	10.8	33	205	172	0	101.9	97.7	2944	0	1872
3955.0	5.0	10.9	34	205	171	0	104.6	93.7	2907	0	1879
3960.0	5.0	11.0	33	205	172	0	101.5	99.6	2953	0	1880
	1692										
3965.0	5.0	11.1	34	205	172	0	99.3	103.3	2972	0	1882
3970.0	5.0	11.2	32	205	173	0	99.2	103.2	2964	0	1887
3975.0	5.0	11.3	30	205	175	0	98.9	102.9	2956	0	1884
3980.0	5.0	11.4	32	205	173	0	100.4	101.9	2962	0	1877
3985.0	5.0	11.4	32	204	172	0	101.3	100.8	2966	0	1877
3990.0	5.0	11.5	28	204	176	0	101.4	100.9	2971	0	1882
3995.0	5.0	11.6	32	204	173	0	101.6	100.7	2970	0	1882
4000.0	5.0	11.7	30	204	174	0	101.0	101.2	2968	0	1888
4005.0	5.0	11.7	31	205	173	0	100.8	99.9	2955	0	1889
4010.0	5.0	11.8	32	205	173	0	101.5	98.3	2930	0	1878
	1739										
4015.0	5.0	11.9	33	205	172	0	100.4	98.0	2903	0	1880
4020.0	5.0	12.0	33	205	172	0	100.0	97.9	2896	0	1880
4025.0	5.0	12.1	34	207	172	0	99.9	98.0	2894	0	1891
4030.0	5.0	12.2	35	207	172	0	99.6	97.7	2884	0	1908
4035.0	5.0	12.3	35	207	172	0	99.6	97.9	2890	0	1921
4040.0	5.0	12.4	34	207	184	0	99.7	98.6	2905	0	1929
4045.0	5.0	.1	22	207	185	0	102.3	96.0	2909	0	1890
4050.0	5.0	.2	25	212	186	0	100.8	96.7	2879	0	1894
4055.0	5.0	.3	25	213	188	0	100.6	96.3	2847	0	1897
4060.0	5.0	.4	25	214	189	0	106.9	100.5	2430	0	1901
	1790										
4065.0	5.0	.5	24	214	190	0	109.4	101.3	2285	0	1908
4070.0	5.0	.6	26	214	188	0	93.3	105.0	2138	0	1912
4075.0	5.0	.7	36	215	179	0	.0	130.0	1335	0	1912
4080.0	5.0	.8	36	215	179	0	92.2	91.9	1963	0	1913
4085.0	5.0	.9	36	215	179	0	87.5	117.0	1303	0	1930
4090.0	5.0	1.0	37	215	178	0	6.9	132.6	1624	0	1938
4095.0	5.0	1.1	47	215	167	0	88.3	111.4	2929	0	1943
4100.0	5.0	1.1	45	215	170	0	100.0	97.4	2893	0	1948
4105.0	5.0	1.2	44	215	171	0	98.1	97.4	2838	0	1947
4110.0	5.0	1.2	46	216	169	0	95.6	99.4	2843	0	1947
	1836										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1836											
4115.0	5.0	1.3	50	217	167	0	95.4	99.4	2843	0	1949
4120.0	5.0	1.3	50	217	167	0	95.5	99.3	2841	0	1953
4125.0	5.0	1.4	51	217	166	0	95.4	99.1	2843	0	1959
4130.0	5.0	1.4	50	217	167	0	95.7	98.2	2843	0	1962
4135.0	5.0	1.5	47	212	170	0	95.2	98.6	2839	0	1966
4140.0	5.0	1.5	43	212	166	0	100.5	95.6	2900	0	1971
4145.0	5.0	1.6	50	217	167	0	100.3	96.1	2884	0	1975
4150.0	5.0	1.6	49	217	168	0	100.1	97.1	2887	0	1977
4155.0	5.0	1.6	49	217	168	0	99.6	96.3	2883	0	1978
4160.0	5.0	1.7	48	217	169	0	99.1	96.9	2878	0	1978
1884											
4165.0	5.0	1.7	49	217	168	0	99.0	96.5	2865	0	1975
4170.0	5.0	1.8	46	217	171	0	93.6	95.0	2702	0	1965
4175.0	5.0	1.8	48	217	169	0	91.9	95.3	2665	0	1967
4180.0	5.0	1.8	45	217	172	0	90.3	93.0	2595	0	1971
4185.0	5.0	1.9	51	217	166	0	90.3	92.3	2523	0	1976
4190.0	5.0	1.9	49	217	168	0	88.3	87.5	2415	0	1983
4195.0	5.0	2.0	49	217	168	0	88.6	87.8	2422	0	1992
4200.0	5.0	2.1	49	217	168	0	78.7	81.5	2183	0	1994
4205.0	5.0	2.1	51	217	166	0	86.7	89.5	2431	0	1996
4210.0	5.0	2.2	50	217	167	0	86.9	87.1	2396	0	2000
1932											
4215.0	5.0	2.2	48	217	169	0	88.3	87.1	2422	0	1999
4220.0	5.0	2.3	50	217	167	0	89.5	86.9	2422	0	1999
4225.0	5.0	2.3	50	217	167	0	89.0	86.3	2418	0	1996
4230.0	5.0	2.4	49	214	166	0	90.4	85.1	2405	0	1998
4235.0	5.0	2.4	48	216	168	0	92.2	85.5	2432	0	2000
4240.0	5.0	2.5	47	216	168	0	88.9	88.8	2426	0	2003
4245.0	5.0	2.6	46	216	170	0	87.6	90.0	2423	0	2003
4250.0	5.0	2.6	45	216	171	0	87.4	89.6	2429	0	2005
4255.0	5.0	2.7	46	216	170	0	86.7	88.4	2426	0	2009
4260.0	5.0	2.7	35	203	170	0	89.5	87.7	2486	0	2016
1982											
4265.0	5.0	2.8	43	216	169	0	98.0	84.7	2632	0	2024
4270.0	5.0	2.8	45	216	171	0	97.4	85.8	2644	0	2026
4275.0	5.0	2.9	45	216	171	0	91.6	90.4	2596	0	2029
4280.0	5.0	2.9	45	216	171	0	91.1	91.0	2614	0	2030
4285.0	5.0	3.0	45	217	171	0	91.2	91.1	2616	0	2033
4290.0	5.0	3.1	45	217	172	0	91.4	91.0	2622	0	2034
4295.0	5.0	3.1	48	217	169	0	97.3	86.5	2624	0	2036
4300.0	5.0	3.2	47	217	170	0	96.1	86.5	2606	0	2043
4305.0	5.0	3.2	48	217	169	0	91.7	91.0	2599	0	2048
4310.0	5.0	3.3	47	217	170	0	91.9	89.5	2566	0	2053
2029											
4315.0	5.0	3.4	46	217	171	0	95.3	90.8	2705	0	2059
4320.0	5.0	3.4	45	217	172	0	103.8	94.7	2929	0	2064
4330.0	10.0	3.5	48	217	168	0	100.6	95.9	2901	0	2070
4335.0	5.0	3.5	48	217	169	0	99.9	95.9	2892	0	2071
4340.0	5.0	3.6	47	217	170	0	99.6	96.3	2889	0	2072
4345.0	5.0	3.7	49	217	168	0	99.7	96.4	2885	0	2070
4350.0	5.0	3.7	49	217	168	0	99.3	96.7	2883	0	2070
4360.0	10.0	3.8	47	217	170	0	98.9	96.5	2865	0	2073
4365.0	5.0	3.9	45	217	172	0	97.9	96.4	2834	0	2077
4370.0	5.0	4.0	45	217	172	0	97.9	95.6	2829	0	2080
2082											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2082											
4375.0	5.0	4.0	47	217	170	0	97.8	96.1	2832	0	2084
4380.0	5.0	4.1	45	217	172	0	97.5	96.6	2840	0	2088
4385.0	5.0	4.2	46	217	171	0	97.6	96.5	2844	0	2089
4390.0	5.0	4.2	47	217	170	0	103.1	91.5	2874	0	2079
4395.0	5.0	4.3	46	217	171	0	107.1	88.9	2884	0	2077
4400.0	5.0	4.3	47	217	170	0	107.1	88.9	2879	0	2077
4405.0	5.0	4.4	47	217	170	0	107.1	88.5	2876	0	2079
4410.0	5.0	4.5	46	217	171	0	107.1	88.5	2875	0	2085
4415.0	5.0	4.5	46	217	171	0	107.0	88.7	2878	0	2092
4420.0	5.0	4.6	32	202	170	0	103.3	93.1	2897	0	2100
2131											
4425.0	5.0	4.7	47	218	170	0	100.6	96.2	2912	0	2103
4430.0	5.0	4.7	48	218	170	0	100.2	96.7	2901	0	2104
4435.0	5.0	4.8	49	218	169	0	98.8	97.7	2905	0	2103
4440.0	5.0	4.9	49	218	169	0	98.9	98.5	2911	0	2104
4445.0	5.0	4.9	50	218	168	0	99.2	98.3	2913	0	2108
4450.0	5.0	5.0	48	218	170	0	99.3	97.6	2904	0	2113
4455.0	5.0	5.0	49	218	169	0	99.6	96.4	2876	0	2116
4460.0	5.0	5.1	48	218	170	0	99.5	97.0	2880	0	2122
4465.0	5.0	5.1	48	218	170	0	100.0	96.8	2883	0	2127
4470.0	5.0	5.2	48	218	170	0	98.9	97.4	2889	0	2130
2180											
4475.0	5.0	5.3	48	218	170	0	99.0	97.9	2895	0	2131
4480.0	5.0	5.3	44	214	171	0	98.5	97.3	2882	0	2134
4485.0	5.0	5.4	49	218	168	0	99.2	97.7	2915	0	2134
4490.0	5.0	5.4	49	218	169	0	98.9	98.2	2901	0	2136
4495.0	5.0	5.5	51	218	167	0	98.6	97.8	2902	0	2140
4500.0	5.0	5.5	48	218	170	0	98.8	98.2	2906	0	2145
4505.0	5.0	5.6	49	218	169	0	98.7	98.3	2906	0	2150
4510.0	5.0	5.7	48	218	170	0	98.8	98.5	2916	0	2157
4515.0	5.0	5.7	48	218	170	0	98.9	98.8	2920	0	2164
4520.0	5.0	5.8	53	218	164	0	97.8	98.5	2902	0	2167
2227											
4525.0	5.0	5.8	54	218	164	0	98.4	98.5	2901	0	2170
4530.0	5.0	5.9	56	218	162	0	98.4	98.6	2904	0	2173
4535.0	5.0	5.9	56	218	162	0	98.3	98.8	2909	0	2177
4540.0	5.0	6.0	56	219	163	0	98.3	98.6	2910	0	2179
4545.0	5.0	6.0	54	220	166	0	81.3	100.3	2226	0	2176
4550.0	5.0	6.1	59	220	161	0	95.7	98.5	2910	0	2176
4555.0	5.0	6.1	55	220	165	0	95.8	97.2	2881	0	2177
4560.0	5.0	6.2	58	220	162	0	97.2	95.7	2895	0	2179
4565.0	5.0	6.3	57	220	163	0	97.4	95.1	2899	0	2181
4570.0	5.0	6.3	58	220	162	0	97.4	95.4	2897	0	2187
2276											
4575.0	5.0	6.4	56	219	163	0	97.1	96.3	2913	0	2199
4580.0	5.0	6.4	58	219	161	0	96.9	96.7	2916	0	2207
4585.0	5.0	6.5	57	220	163	0	96.9	96.0	2917	0	2208
4590.0	5.0	6.5	58	222	164	0	97.0	95.9	2917	0	2210
4595.0	5.0	6.6	58	222	164	0	97.2	96.1	2917	0	2208
4600.0	5.0	6.6	59	222	163	0	97.0	96.5	2923	0	2208
4605.0	5.0	6.7	57	222	165	0	96.7	96.9	2929	0	2203
4610.0	5.0	6.8	57	222	165	0	97.1	97.9	2958	0	2189
4615.0	5.0	6.8	56	222	166	0	97.1	96.3	2929	0	2189
4620.0	5.0	6.9	58	222	164	0	99.5	95.1	2902	0	2188
2326											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	2326										
4625.0	5.0	6.9	59	222	163	0	99.5	95.5	2892	0	2189
4630.0	5.0	7.0	58	222	164	0	99.6	95.4	2892	0	2193
4635.0	5.0	7.0	58	222	164	0	99.6	95.2	2894	0	2197
4640.0	5.0	7.1	42	207	163	0	99.4	95.5	2895	0	2199
4645.0	5.0	7.1	58	222	164	0	99.1	97.0	2915	0	2203
4650.0	5.0	7.2	60	222	162	0	99.0	97.5	2917	0	2207
4655.0	5.0	7.2	59	222	163	0	98.9	97.1	2914	0	2210
4660.0	5.0	7.3	59	222	163	0	98.9	97.8	2925	0	2210
4665.0	5.0	7.3	58	222	164	0	98.7	98.2	2924	0	2213
4670.0	5.0	7.4	59	222	163	0	98.4	98.2	2920	0	2213
	2374										
4675.0	5.0	7.5	59	222	163	0	98.9	98.5	2940	0	2211
4680.0	5.0	7.5	58	222	164	0	99.2	98.4	2942	0	2213
4685.0	5.0	7.6	59	222	163	0	98.9	98.3	2945	0	2216
4690.0	5.0	7.6	58	222	164	0	98.8	98.2	2945	0	2219
4695.0	5.0	7.7	59	222	163	0	98.8	98.6	2950	0	2221
4700.0	5.0	7.7	57	222	165	0	98.9	98.7	2954	0	2223
4705.0	5.0	7.8	59	222	163	0	99.8	96.6	2925	0	2224
4710.0	5.0	7.9	60	222	162	0	100.0	96.8	2923	0	2227
4715.0	5.0	7.9	58	222	163	0	100.0	96.2	2916	0	2226
4720.0	5.0	8.0	59	222	163	0	100.0	96.2	2920	0	2224
	2424										
4725.0	5.0	8.0	59	222	163	0	100.3	96.2	2918	0	2224
4730.0	5.0	8.1	59	222	163	0	100.2	96.0	2918	0	2226
4735.0	5.0	8.1	59	222	163	0	100.0	96.4	2940	0	2230
4740.0	5.0	8.2	59	222	163	0	98.9	97.4	2931	0	2235
4745.0	5.0	8.2	59	222	163	0	98.7	96.9	2944	0	2240
4750.0	5.0	8.3	59	222	163	0	99.7	97.3	2958	0	2243
4755.0	5.0	8.4	59	222	163	0	98.0	97.8	2934	0	2248
4760.0	5.0	8.4	57	222	165	0	98.5	97.3	2935	0	2256
4765.0	5.0	8.5	60	222	162	0	98.7	98.6	2973	0	2257
4770.0	5.0	8.5	59	222	163	0	97.6	98.6	2937	0	2262
	2472										
4775.0	5.0	8.6	58	222	164	0	97.9	98.4	2936	0	2264
4780.0	5.0	8.6	58	222	164	0	97.5	98.4	2941	0	2268
4785.0	5.0	8.7	59	222	163	0	97.6	98.4	2936	0	2270
4790.0	5.0	8.8	58	222	164	0	96.6	98.4	2913	0	2270
4795.0	5.0	8.8	55	222	167	0	98.8	98.6	3017	0	2256
4800.0	5.0	8.9	52	222	169	0	99.7	98.0	3014	0	2251
4805.0	5.0	9.0	52	222	170	0	99.6	98.0	3011	0	2254
4810.0	5.0	9.1	53	222	169	0	99.5	97.8	3006	0	2261
4815.0	5.0	9.1	52	222	170	0	99.2	98.1	3001	0	2271
4820.0	5.0	9.2	53	223	169	0	98.2	97.9	2991	0	2279
	2522										
4825.0	5.0	9.3	50	223	173	0	97.8	98.2	2991	0	2284
4830.0	5.0	9.4	55	223	168	0	98.4	96.9	2988	0	2289
4835.0	5.0	9.5	54	223	169	0	98.3	98.4	3014	0	2289
4840.0	5.0	9.6	54	223	169	0	97.5	98.8	3006	0	2294
4845.0	5.0	9.7	54	223	169	0	97.1	98.5	2992	0	2297
4850.0	5.0	9.7	54	223	169	0	96.1	98.4	2980	0	2305
4855.0	5.0	9.8	54	223	169	0	95.8	98.4	2972	.0	2318
4860.0	5.0	9.9	52	221	169	0	96.4	99.4	3021	0	2346
4865.0	5.0	10.0	52	222	169	0	99.4	95.7	3026	0	2367
4870.0	5.0	10.1	54	223	169	0	98.7	98.6	3069	0	2374
	2571										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2571											
4875.0	5.0	10.1	54	223	169	0	98.6	98.1	3057	0	2374
4880.0	5.0	10.2	55	223	168	0	98.4	98.4	3054	0	2376
4885.0	5.0	10.3	55	223	168	0	97.8	98.7	3043	0	2383
4890.0	5.0	10.4	53	221	168	0	97.8	99.2	3050	0	2389
4895.0	5.0	10.5	53	223	169	0	97.0	98.8	3029	0	2401
4900.0	5.0	10.6	55	224	169	0	96.8	99.0	3027	0	2405
4905.0	5.0	10.6	55	224	169	0	96.9	99.4	3038	0	2406
4910.0	5.0	10.7	54	224	170	0	96.9	99.9	3040	0	2412
4915.0	5.0	10.8	53	224	171	0	96.4	99.7	3027	0	2415
4920.0	5.0	10.9	54	223	170	0	96.5	98.8	3008	0	2420
2621											
4925.0	5.0	11.0	54	224	170	0	98.7	97.1	3027	0	2428
4930.0	5.0	11.1	51	224	173	0	98.4	99.3	3063	0	2438
4935.0	5.0	11.2	55	224	169	0	98.5	99.6	3060	0	2449
4940.0	5.0	11.2	55	224	169	0	98.4	99.5	3056	0	2454
4945.0	5.0	11.3	53	224	171	0	98.8	98.0	3038	0	2460
4950.0	5.0	11.4	51	224	173	0	99.2	97.9	3042	0	2465
4955.0	5.0	11.5	52	224	172	0	98.9	98.7	3068	0	2465
4960.0	5.0	11.5	53	224	171	0	99.4	98.5	3065	0	2464
4965.0	5.0	11.6	52	224	172	0	99.6	97.5	3071	0	2466
4970.0	5.0	11.7	51	224	173	0	99.9	97.6	3077	0	2465
2671											
4975.0	5.0	11.8	53	224	171	0	100.0	97.8	3073	0	2459
4980.0	5.0	11.8	53	224	171	0	99.6	97.7	3075	0	2455
4985.0	5.0	11.9	47	224	177	0	39.8	110.0	1933	0	2447
4990.0	5.0	12.1	44	225	181	0	5.5	110.4	1140	0	2444
4995.0	5.0	12.2	45	225	180	0	1.0	109.5	1111	0	2445
5000.0	5.0	12.3	45	225	180	0	.0	109.4	1048	0	2451
5005.0	5.0	12.5	43	225	182	0	.0	111.7	999	0	2483
5010.0	5.0	12.7	40	225	185	0	.0	108.4	1119	0	2496
5015.0	5.0	12.8	41	227	185	0	.0	105.4	1106	0	2497
5020.0	5.0	12.9	44	229	185	0	.0	100.5	1087	0	2498
2721											
5025.0	5.0	13.1	45	229	184	0	.0	100.6	1087	0	2500
5030.0	5.0	13.2	45	229	183	0	.0	100.5	1086	0	2501
5035.0	5.0	13.3	45	229	184	0	.0	100.7	1086	0	2499
5040.0	5.0	13.4	45	229	184	0	.0	101.5	1103	0	2499
5045.0	5.0	13.5	47	228	181	0	23.3	99.7	1658	0	2502
5050.0	5.0	13.6	51	226	175	0	103.5	101.5	3062	0	2504
5055.0	5.0	13.7	51	226	175	0	99.5	101.5	3039	0	2508
5060.0	5.0	13.8	50	226	176	0	99.1	101.5	3027	0	2513
5065.0	5.0	13.9	51	226	175	0	99.1	100.9	3032	0	2517
5070.0	5.0	14.0	52	226	174	0	101.9	100.4	3079	0	2520
2771											
5075.0	5.0	14.0	51	226	175	0	101.4	99.9	3057	0	2523
5080.0	5.0	14.1	51	226	175	0	90.3	96.5	2794	0	2528
5085.0	5.0	14.2	52	226	174	0	96.5	98.7	2891	0	2532
5090.0	5.0	14.3	51	226	175	0	96.4	98.2	2880	0	2537
5095.0	5.0	14.4	52	226	174	0	96.2	97.8	2868	0	2543
5100.0	5.0	14.5	52	226	174	0	96.0	98.2	2874	0	2546
5105.0	5.0	14.5	52	226	174	0	95.6	100.1	2914	0	2549
5110.0	5.0	14.6	50	226	175	0	94.4	97.0	2826	0	2548
5115.0	5.0	14.7	50	226	176	0	101.6	96.6	2975	0	2553
5117.0	2.0	14.7	51	226	175	0	101.7	95.8	2967	0	2554

NEW BIT ID: 5

2822

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2822											
5120.0	.0	.1	44	235	191	0	88.1	96.1	2460	0	2484
5125.0	5.0	.2	41	228	187	0	83.4	85.7	2467	0	2490
5130.0	5.0	.3	41	228	187	0	86.9	82.5	2467	0	2506
5135.0	5.0	.4	48	228	180	0	87.1	82.3	2466	0	2523
5140.0	5.0	.6	48	230	181	0	88.8	93.6	2844	0	2542
5145.0	5.0	.7	51	228	177	0	93.3	95.2	2926	0	2545
5150.0	5.0	.8	51	228	177	0	93.8	94.4	2933	0	2544
5155.0	5.0	.9	51	228	177	0	93.9	94.9	2923	0	2542
5160.0	5.0	.9	51	228	177	0	93.3	95.6	2936	0	2543
5165.0	5.0	1.0	51	228	177	0	92.4	96.3	2937	0	2519
2870											
5170.0	5.0	1.1	45	219	177	0	92.5	97.2	2947	0	2499
5175.0	5.0	1.2	53	228	175	0	94.9	94.4	2949	0	2484
5180.0	5.0	1.3	53	228	175	0	94.9	93.9	2942	0	2479
5185.0	5.0	1.3	52	228	176	0	95.0	93.9	2934	0	2486
5190.0	5.0	1.4	48	223	176	0	95.5	94.1	2967	0	2507
5195.0	5.0	1.5	45	222	177	0	95.3	93.7	3009	0	2510
5200.0	5.0	1.6	46	222	176	0	95.2	93.0	3004	0	2516
5205.0	5.0	1.6	46	222	176	0	92.8	96.2	3046	0	2522
5210.0	5.0	1.7	45	222	177	0	92.2	97.0	3042	0	2525
5215.0	5.0	1.8	45	222	177	0	92.4	96.4	3038	0	2528
2920											
5220.0	5.0	1.8	45	222	177	0	92.5	96.0	3039	0	2534
5225.0	5.0	1.9	45	222	177	0	92.6	95.6	3039	0	2539
5230.0	5.0	2.0	45	222	177	0	92.9	96.0	3040	0	2544
5235.0	5.0	2.1	44	222	178	0	92.7	95.5	3032	0	2546
5240.0	5.0	2.2	46	222	176	0	94.1	93.5	3022	0	2540
5245.0	5.0	2.2	47	222	175	0	93.9	91.9	3021	0	2541
5250.0	5.0	2.3	47	222	175	0	94.0	92.1	3023	0	2543
5255.0	5.0	2.4	47	222	175	0	93.9	91.9	3029	0	2546
5260.0	5.0	2.5	43	222	176	0	93.4	92.0	3028	0	2549
5265.0	5.0	2.6	47	222	175	0	91.2	93.4	3024	0	2554
2966											
5270.0	5.0	2.6	49	222	173	0	91.0	93.7	3013	0	2557
5275.0	5.0	2.7	48	222	174	0	91.4	93.7	3014	0	2561
5280.0	5.0	2.7	47	222	175	0	91.7	93.7	3020	0	2564
5285.0	5.0	2.8	48	222	174	0	91.5	94.1	3026	0	2570
5290.0	5.0	2.8	48	222	174	0	91.7	94.3	3029	0	2575
5295.0	5.0	2.9	48	222	174	0	92.1	94.3	3034	0	2579
5300.0	5.0	3.0	49	222	173	0	93.1	93.0	3039	0	2583
5305.0	5.0	3.0	49	222	173	0	94.1	92.1	3045	0	2585
5310.0	5.0	3.1	47	222	175	0	94.2	92.0	3046	0	2587
5315.0	5.0	3.2	48	222	174	0	94.6	92.0	3057	0	2589
3012											
5320.0	5.0	3.2	48	222	174	0	94.6	91.9	3049	0	2593
5325.0	5.0	3.3	48	222	174	0	94.5	91.7	3049	0	2596
5330.0	5.0	3.4	48	222	174	0	93.5	93.7	3081	0	2599
5335.0	5.0	3.4	47	222	175	0	93.1	92.7	3029	0	2602
5340.0	5.0	3.5	48	222	174	0	93.3	93.6	3077	0	2605
5345.0	5.0	3.5	48	222	174	0	93.2	93.8	3048	0	2608
5350.0	5.0	3.6	48	222	174	0	93.7	93.7	3071	0	2612
5355.0	5.0	3.7	48	222	174	0	93.4	94.0	3071	0	2614
5360.0	5.0	3.7	48	222	174	0	90.6	93.7	3019	0	2618
5365.0	5.0	3.8	49	222	173	0	91.2	94.4	3035	0	2621
3054											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
3054											
5370.0	5.0	3.8	49	222	173	0	92.2	93.8	3045	0	2624
5375.0	5.0	3.9	47	222	175	0	92.5	93.7	3061	0	2626
5380.0	5.0	3.9	49	222	173	0	92.7	94.1	3076	0	2629
5385.0	5.0	4.0	49	222	173	0	93.1	94.0	3086	0	2630
5390.0	5.0	4.1	48	222	174	0	91.9	94.1	3048	0	2630
5395.0	5.0	4.1	50	222	172	0	95.0	93.9	3090	0	2631
5400.0	5.0	4.2	49	222	173	0	95.4	93.6	3095	0	2631
5405.0	5.0	4.2	49	222	173	0	95.0	93.5	3097	0	2631
5410.0	5.0	4.3	49	222	173	0	95.7	93.6	3099	0	2632
5415.0	5.0	4.3	50	222	172	0	95.9	93.7	3102	0	2634
3103											
5420.0	5.0	4.4	50	222	172	0	95.8	94.1	3107	0	2636
5425.0	5.0	4.4	50	188	171	0	93.0	92.3	2998	0	2637
5430.0	5.0	4.5	50	188	172	0	93.5	93.1	3028	0	2642
5435.0	5.0	4.5	50	208	172	0	92.8	93.5	3033	0	2645
5440.0	5.0	4.6	50	222	172	0	93.4	92.8	3030	0	2647
5445.0	5.0	4.7	50	222	171	0	93.5	92.6	3029	0	2650
5450.0	5.0	4.7	50	222	172	0	93.8	92.4	3025	0	2652
5455.0	5.0	4.8	49	216	172	0	92.6	92.6	3020	0	2655
5460.0	5.0	4.8	50	222	172	0	92.9	92.1	3025	0	2660
5465.0	5.0	4.9	51	222	171	0	92.6	92.3	3044	0	2664
3152											
5470.0	5.0	4.9	50	222	172	0	93.2	92.6	3048	0	2670
5475.0	5.0	5.0	50	222	172	0	93.3	92.0	3046	0	2673
5480.0	5.0	5.0	48	222	174	0	92.9	91.5	3025	0	2689
5485.0	5.0	5.1	41	224	182	0	92.8	89.6	2974	0	2715
5490.0	5.0	5.2	47	224	177	0	92.9	89.2	2965	0	2718
5495.0	5.0	5.2	46	224	178	0	92.4	88.8	2961	0	2723
5500.0	5.0	5.3	46	224	178	0	92.4	89.0	2956	0	2729
5505.0	5.0	5.4	45	224	179	0	92.4	88.9	2955	0	2732
5510.0	5.0	5.4	45	223	180	0	91.7	88.1	2935	0	2738
5515.0	5.0	5.6	45	225	199	0	82.5	74.3	2716	0	2743
3191											
5520.0	5.0	5.6	45	225	180	0	92.9	91.8	3010	0	2748
5525.0	5.0	5.7	42	225	183	0	92.8	91.1	2996	0	2752
5525.0	.0	5.4	48	225	177	0	91.8	90.4	2995	0	2755
5530.0	5.0	5.7	45	225	180	0	92.5	90.2	2987	0	2756
5535.0	5.0	5.8	44	225	181	0	92.6	89.7	2972	0	2760
5540.0	5.0	5.8	42	225	183	0	93.9	91.2	2978	0	2761
5545.0	5.0	5.9	42	225	183	0	93.8	91.1	2969	0	2765
5550.0	5.0	6.0	43	225	182	0	94.0	91.5	2990	0	2770
5555.0	5.0	6.0	44	225	181	0	90.0	95.5	2993	0	2773
5560.0	5.0	6.1	44	225	181	0	90.9	93.6	2965	0	2769
3226											
5565.0	5.0	6.1	44	225	181	0	91.1	92.7	2946	0	2777
5570.0	5.0	6.2	44	225	181	0	91.0	92.5	2936	0	2776
5575.0	5.0	6.2	44	225	181	0	90.9	92.0	2932	0	2784
5580.0	5.0	6.2	43	225	182	0	90.6	92.2	2921	0	2801
5585.0	5.0	6.3	46	225	179	0	89.3	92.6	2912	0	2793
5590.0	5.0	6.4	41	225	184	0	93.6	90.8	2969	0	2796
5595.0	5.0	6.4	44	225	181	0	93.2	90.7	2962	0	2800
5600.0	5.0	6.5	47	232	182	0	93.4	90.6	2964	0	2802
5605.0	5.0	6.5	54	235	181	0	93.3	90.6	2975	0	2806
5610.0	5.0	6.5	52	235	183	0	93.2	90.1	2977	0	2811
3266											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	3266										
5615.0	5.0	6.6	53	235	181	0	93.2	91.5	3024	0	2813
5620.0	5.0	6.6	56	235	179	0	93.7	91.6	3041	0	2820
5625.0	5.0	6.7	56	235	179	0	93.8	91.5	3037	0	2818
5630.0	5.0	6.7	52	235	183	0	92.5	91.3	2996	0	2819
5635.0	5.0	6.8	56	235	179	0	92.0	92.3	3004	0	2819
5640.0	5.0	6.8	55	235	180	0	91.8	92.3	3003	0	2816
5645.0	5.0	6.8	52	235	183	0	92.4	91.0	2991	0	2809
5650.0	5.0	6.9	52	235	183	0	93.2	89.3	2986	0	2813
5655.0	5.0	6.9	53	235	182	0	93.3	89.8	2993	0	2817
5660.0	5.0	7.0	54	235	181	0	93.1	89.6	2991	0	2822
	3308										
5665.0	5.0	7.0	54	235	181	0	93.6	89.6	2993	0	2824
5670.0	5.0	7.1	55	235	180	0	93.2	89.7	2961	0	2827
5675.0	5.0	7.1	54	235	181	0	93.1	89.1	3032	0	2831
5680.0	5.0	7.2	55	235	180	0	94.6	90.0	3034	0	2837
5685.0	5.0	7.3	53	235	182	0	94.8	89.5	3032	0	2843
5690.0	5.0	7.3	52	235	183	0	94.4	89.0	3040	0	2845
5695.0	5.0	7.4	51	235	184	0	94.8	89.3	3042	0	2846
5700.0	5.0	7.4	54	235	181	0	94.5	89.3	3032	0	2847
5705.0	5.0	7.4	54	235	180	0	82.3	76.7	2458	0	2850
5710.0	5.0	7.5	53	235	182	0	91.4	92.1	3055	0	2850
	3356										
5715.0	5.0	7.5	56	235	179	0	91.7	92.9	3037	0	2855
5720.0	5.0	7.6	55	235	180	0	92.1	93.4	3042	0	2857
5725.0	5.0	7.6	54	235	181	0	92.3	92.6	3050	0	2859
5730.0	5.0	7.7	55	235	180	0	92.3	92.9	3046	0	2863
5735.0	5.0	7.7	52	235	183	0	90.9	94.6	2733	0	2866
5740.0	5.0	7.8	45	235	190	0	31.3	110.1	1270	0	2869
5745.0	5.0	7.9	48	235	187	0	10.9	108.1	1231	0	2873
5750.0	5.0	8.0	47	235	188	0	.0	108.3	1235	0	2873
5755.0	5.0	8.0	46	235	189	0	.0	108.5	1243	0	2873
5760.0	5.0	8.1	45	235	190	0	.0	109.0	1249	0	2875
	3399										
5765.0	5.0	8.2	46	233	189	0	.0	108.8	1252	0	2874
5770.0	5.0	8.3	45	235	190	0	.0	109.4	1277	0	2872
5775.0	5.0	8.3	45	235	190	0	.0	108.0	1246	0	2874
5780.0	5.0	8.4	45	235	190	0	.0	108.5	1255	0	2878
5785.0	5.0	8.5	45	235	190	0	.0	108.2	1254	0	2881
5790.0	5.0	8.6	46	235	189	0	.0	108.5	1257	0	2882
5795.0	5.0	8.6	47	235	188	0	.0	108.4	1266	0	2884
5800.0	5.0	8.7	46	235	189	0	.0	109.0	1273	0	2903
5805.0	5.0	8.8	44	235	191	0	.0	109.1	1281	0	2893
5810.0	5.0	8.9	45	235	190	0	.0	109.2	1282	0	2893
	3445										
5815.0	5.0	8.9	45	235	190	0	.0	109.7	1286	0	2899
5820.0	5.0	9.0	45	235	190	0	.0	109.2	1283	0	2895
5825.0	5.0	9.1	43	235	192	0	.0	108.6	1278	0	2897
5830.0	5.0	9.2	45	234	190	0	.0	109.2	1292	0	2892
5835.0	5.0	9.2	46	235	189	0	.0	107.2	1254	0	2902
5840.0	5.0	9.3	46	235	188	0	.0	107.2	1256	0	2897
5845.0	5.0	9.4	46	235	189	0	.0	107.4	1262	0	2889
5850.0	5.0	9.5	46	235	189	0	.0	107.1	1263	0	2898
5855.0	5.0	9.5	46	235	189	0	.0	107.7	1275	0	2902
5860.0	5.0	9.6	47	235	188	0	.0	108.2	1283	0	2921
	3490										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
3490											
5865.0	5.0	9.6	51	235	184	0	60.7	89.7	2673	0	2902
5870.0	5.0	9.7	51	235	184	0	81.0	83.0	2947	0	2906
5875.0	5.0	9.7	50	235	185	0	81.0	82.7	2924	0	2888
5880.0	5.0	9.8	50	235	185	0	81.0	82.0	2909	0	2895
5885.0	5.0	9.8	49	235	185	0	81.0	81.3	2891	0	2917
5890.0	5.0	9.8	50	235	185	0	87.4	82.4	2896	0	2905
5895.0	5.0	9.9	51	235	184	0	87.2	90.2	2972	0	2899
5900.0	5.0	9.9	50	235	185	0	87.4	89.4	2953	0	2908
5905.0	5.0	10.0	50	235	185	0	86.8	88.8	2934	0	2921
5910.0	5.0	10.0	50	235	185	0	87.1	88.7	2921	0	2917
3535											
5915.0	5.0	10.1	49	235	186	0	87.4	87.8	2906	0	2917
5920.0	5.0	10.1	50	235	185	0	90.5	86.6	2934	0	2921
5925.0	5.0	10.2	52	235	183	0	88.5	85.8	2945	0	2926
5930.0	5.0	10.2	51	235	184	0	89.0	85.7	2906	0	2937
5935.0	5.0	10.3	52	235	183	0	88.7	85.3	2908	0	2940
5940.0	5.0	10.3	52	235	183	0	87.7	90.2	3013	0	2945
5945.0	5.0	10.4	52	235	183	0	87.9	89.8	3001	0	2943
5950.0	5.0	10.4	52	235	183	0	88.3	89.4	2996	0	2948
5955.0	5.0	10.5	50	235	185	0	89.6	88.6	3013	0	2938
5960.0	5.0	10.5	51	235	184	0	89.6	87.8	3005	0	2933
3584											
5965.0	5.0	10.6	51	235	184	0	90.2	87.7	3005	0	2929
5970.0	5.0	10.7	52	235	183	0	89.7	87.2	2998	0	2935
5975.0	5.0	10.7	52	235	183	0	86.4	84.1	3001	0	2936
5980.0	5.0	10.8	51	235	184	0	85.2	82.7	2991	0	2940
5985.0	5.0	10.8	51	236	185	0	85.8	82.6	2996	0	2942
5990.0	5.0	10.9	54	237	183	0	87.1	82.2	3011	0	2946
5995.0	5.0	10.9	53	237	184	0	87.0	80.9	3002	0	2955
6000.0	5.0	11.0	53	237	184	0	87.0	81.3	2999	0	2964
6005.0	5.0	11.0	53	237	184	0	87.2	81.4	3000	0	2970
6010.0	5.0	11.1	53	237	184	0	86.7	81.6	3007	0	2979
3631											
6015.0	5.0	11.1	53	237	184	0	85.8	82.4	3008	0	2989
6020.0	5.0	11.2	53	237	184	0	83.2	85.6	3039	0	3002
6025.0	5.0	11.2	53	237	184	0	82.9	86.3	3041	0	3008
6030.0	5.0	11.3	52	237	185	0	82.5	86.8	3045	0	3016
6035.0	5.0	11.3	52	237	185	0	83.2	86.5	3037	0	3022
6040.0	5.0	11.4	52	237	185	0	83.3	86.0	3044	0	3029
6045.0	5.0	11.4	54	237	183	0	83.3	86.3	3043	0	3036
6050.0	5.0	11.5	43	226	184	0	84.3	76.0	2736	0	3042
6055.0	5.0	11.5	43	226	183	0	85.6	85.7	3099	0	3047
6060.0	5.0	11.6	41	226	185	0	85.7	85.8	3107	0	3053
3676											
6065.0	5.0	11.6	45	231	185	0	85.4	86.1	3108	0	3058
6070.0	5.0	11.7	52	236	184	0	85.4	86.4	3110	0	3061
6075.0	5.0	11.7	52	236	184	0	85.1	86.2	3112	0	3061
6080.0	5.0	11.8	50	235	185	0	82.6	90.1	3154	0	3070
6085.0	5.0	11.8	52	237	185	0	82.6	90.5	3153	0	3070
6090.0	5.0	11.9	53	237	184	0	82.4	90.0	3140	0	3069
6095.0	5.0	11.9	56	237	181	0	86.0	82.0	3013	0	3062
6100.0	5.0	11.9	55	237	182	0	82.6	86.2	3027	0	3065
6105.0	5.0	12.0	55	237	182	0	82.4	86.2	3031	0	3069
6110.0	5.0	12.0	55	237	182	0	82.3	84.2	2989	0	3068
3719											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
3719											
6115.0	5.0	12.1	56	237	181	0	86.2	80.1	2989	0	3066
6120.0	5.0	12.1	56	237	181	0	85.5	82.7	3030	0	3067
6125.0	5.0	12.1	55	237	182	0	85.4	82.9	3035	0	3071
6130.0	5.0	12.2	54	237	183	0	85.2	83.3	3038	0	3077
6135.0	5.0	12.2	53	237	184	0	85.0	82.5	3043	0	3085
6140.0	5.0	12.3	54	237	183	0	84.3	83.1	3000	0	3092
6145.0	5.0	12.3	55	238	183	0	88.6	85.1	3072	0	3088
6150.0	5.0	12.4	57	238	181	0	89.5	86.9	3038	0	3097
6155.0	5.0	12.4	56	238	182	0	89.5	87.6	3044	0	3120
6160.0	5.0	12.4	57	238	181	0	89.4	87.6	3049	0	3117
3766											
6165.0	5.0	12.5	56	238	182	0	89.0	87.6	3041	0	3092
6170.0	5.0	12.5	55	238	183	0	89.5	88.0	3044	0	3108
6175.0	5.0	12.6	46	227	182	0	89.3	88.6	3079	0	3100
6180.0	5.0	12.6	56	237	180	0	88.9	88.1	3075	0	3106
6185.0	5.0	12.7	56	237	181	0	90.1	88.1	3087	0	3107
6190.0	5.0	12.7	54	237	183	0	90.6	88.2	3097	0	3109
6195.0	5.0	12.8	55	237	182	0	90.8	88.2	3104	0	3115
6200.0	5.0	12.8	56	237	181	0	90.1	88.3	3118	0	3122
6205.0	5.0	12.9	56	238	181	0	92.6	90.7	3218	0	3129
6210.0	5.0	12.9	56	238	182	0	90.0	88.8	3105	0	3128
3810											
6215.0	5.0	12.9	54	238	184	0	88.9	89.2	3097	0	3130
6220.0	5.0	13.0	52	238	186	0	88.8	89.5	3100	0	3137
6225.0	5.0	13.0	56	238	182	0	88.7	89.6	3103	0	3144
6230.0	5.0	13.1	55	238	183	0	88.8	89.8	3099	0	3147
6235.0	5.0	13.1	56	238	182	0	89.9	87.9	3096	0	3147
6240.0	5.0	13.2	56	238	182	0	87.6	91.6	3117	0	3147
6245.0	5.0	13.2	57	238	181	0	88.1	91.9	3138	0	3150
6250.0	5.0	13.3	57	238	181	0	89.2	91.6	3152	0	3156
6255.0	5.0	13.3	56	238	182	0	89.2	91.1	3154	0	3151
6260.0	5.0	13.4	54	238	184	0	89.4	91.7	3161	0	3155
3855											
6265.0	5.0	13.4	56	238	182	0	89.3	91.5	3160	0	3158
6270.0	5.0	13.5	55	238	183	0	84.3	89.7	2968	0	3152
6275.0	5.0	13.5	57	238	181	0	83.3	90.7	2979	0	3152
6280.0	5.0	13.6	57	238	181	0	83.4	91.3	2991	0	3155
6285.0	5.0	13.6	56	238	182	0	83.3	91.4	2997	0	3159
6290.0	5.0	13.7	52	238	186	0	89.3	84.5	2973	0	3163
6295.0	5.0	13.7	53	238	185	0	87.4	85.2	2950	0	3167
6300.0	5.0	13.8	53	238	185	0	87.7	86.8	3006	0	3162
6305.0	5.0	13.8	54	238	184	0	87.7	86.9	3006	0	3161
6310.0	5.0	13.9	53	238	185	0	87.8	87.8	3018	0	3163
3897											
6315.0	5.0	13.9	52	238	186	0	87.8	87.4	3015	0	3167
6320.0	5.0	14.0	53	238	185	0	87.8	87.6	3008	0	3172
6325.0	5.0	14.0	52	238	186	0	87.9	87.2	3012	0	3177
6330.0	5.0	14.1	53	238	185	0	87.7	88.2	3036	0	3182
6335.0	5.0	14.1	56	238	182	0	90.7	85.4	3028	0	3180
6340.0	5.0	14.2	55	238	183	0	91.2	85.2	3027	0	3187
6345.0	5.0	14.2	53	238	185	0	91.1	85.2	3031	0	3193
6350.0	5.0	14.3	55	238	183	0	90.6	85.7	3041	0	3194
6355.0	5.0	14.3	54	238	184	0	91.0	86.0	3049	0	3186
6360.0	5.0	14.4	53	231	184	0	90.8	85.2	3044	0	3179
3945											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
3945											
6365.0	5.0	14.4	45	231	185	0	87.1	88.3	2994	0	3143
6370.0	5.0	14.5	52	238	186	0	88.8	89.0	3065	0	3147
6375.0	5.0	14.5	52	238	186	0	91.3	91.1	3176	0	3153
6380.0	5.0	14.6	52	238	186	0	91.5	92.9	3245	0	3160
6385.0	5.0	14.6	52	238	186	0	96.4	83.0	2836	0	3168
6390.0	5.0	14.7	52	238	186	0	92.1	95.3	3316	0	3175
6395.0	5.0	14.7	52	238	186	0	92.5	94.8	3295	0	3187
6400.0	5.0	14.8	53	238	185	0	92.5	92.5	3260	0	3199
6405.0	5.0	14.8	54	238	184	0	92.7	92.6	3272	0	3211
6410.0	5.0	14.9	52	238	186	0	93.0	92.1	3257	0	3215
3989											
6415.0	5.0	14.9	51	238	187	0	92.5	92.2	3258	0	3218
6420.0	5.0	15.0	52	238	186	0	83.8	76.3	2702	0	3225
6425.0	5.0	15.2	52	238	186	0	61.0	49.6	1702	0	3228
6430.0	5.0	15.3	50	238	188	0	81.7	84.6	2929	0	3234
6435.0	5.0	15.3	50	238	188	0	86.8	84.7	2956	0	3239
6440.0	5.0	15.4	50	238	188	0	87.8	84.1	2939	0	3247
6445.0	5.0	15.4	50	238	187	0	87.7	84.2	2927	0	3254
6450.0	5.0	15.5	39	230	188	0	85.5	79.5	2732	0	3275
6455.0	5.0	15.6	48	238	190	0	83.7	75.5	2660	0	3291
6460.0	5.0	15.6	49	238	189	0	85.8	87.9	3011	0	3298
4032											
6465.0	5.0	15.7	51	238	187	0	85.3	86.1	2945	0	3307
6470.0	5.0	15.8	50	238	187	0	85.2	85.7	2921	0	3313
6475.0	5.0	15.8	51	238	187	0	85.6	85.2	2909	0	3318
6477.0	2.0	15.9	51	238	187	0	86.1	84.8	2896	0	3321
NEW BIT ID: 6											
6480.0	.0	.0	48	242	195	0	37.8	36.9	2384	0	2527
6485.0	5.0	.1	48	242	194	0	72.6	70.0	2291	0	3270
6490.0	5.0	.2	46	242	196	0	71.4	70.0	2282	0	2707
6495.0	5.0	.3	46	242	195	0	77.7	76.0	2447	0	2424
6500.0	5.0	.4	47	242	194	0	77.5	76.4	2436	0	2755
6505.0	5.0	.5	46	242	195	0	75.5	71.9	2167	0	3282
4074											
6510.0	5.0	.6	45	242	196	0	60.2	56.9	1462	0	3281
6515.0	5.0	.7	45	242	196	0	66.3	62.5	1793	0	3294
6520.0	5.0	.8	45	242	196	0	75.5	73.1	2590	0	3322
6525.0	5.0	.9	43	242	198	0	87.2	87.3	2961	0	3276
6530.0	5.0	1.0	44	242	197	0	86.5	88.2	2951	0	3277
6535.0	5.0	1.1	44	242	198	0	86.4	88.8	2944	0	3253
6540.0	5.0	1.2	44	242	198	0	85.5	87.2	2926	0	3244
6545.0	5.0	1.3	46	242	194	0	85.6	88.4	2922	0	3254
6550.0	5.0	1.4	49	242	192	0	79.8	81.5	2940	0	3264
6555.0	5.0	1.5	49	242	194	0	87.9	88.4	2964	0	3274
4124											
6560.0	5.0	1.6	48	242	194	0	87.3	87.6	2953	0	3290
6565.0	5.0	1.7	47	242	194	0	87.3	87.6	2949	0	3296
6570.0	5.0	1.7	46	242	195	0	87.1	87.1	2946	0	3306
6575.0	5.0	1.8	50	242	192	0	87.3	87.1	2944	0	3299
6585.0	10.0	1.9	49	243	192	0	87.6	86.5	2958	0	3303
6590.0	5.0	2.0	50	243	192	0	88.8	89.2	3017	0	3305
6595.0	5.0	2.1	49	243	194	0	87.7	88.8	3007	0	3307

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
4161											
6600.0	5.0	2.1	54	243	189	0	88.5	88.1	2997	0	3306
6605.0	5.0	2.2	49	243	194	0	86.9	89.1	2994	0	3310
6610.0	5.0	2.3	49	243	194	0	87.6	89.2	2999	0	3321
6615.0	5.0	2.4	44	243	199	0	86.1	77.3	2935	0	3325
6620.0	5.0	2.5	39	243	200	0	89.5	85.6	2958	0	3319
6625.0	5.0	2.6	39	243	199	0	86.0	91.2	2962	0	3318
6630.0	5.0	2.7	45	243	195	0	86.0	89.0	2958	0	3322
6635.0	5.0	2.8	52	243	191	0	85.7	88.1	2949	0	3319
6640.0	5.0	2.9	51	243	192	0	86.3	88.2	2953	0	3327
6645.0	5.0	3.0	48	239	192	0	83.3	87.3	2976	0	3355
4209											
6650.0	5.0	3.0	43	235	192	0	89.8	83.5	2941	0	3362
6655.0	5.0	3.1	42	235	194	0	89.8	85.1	2952	0	3352
6660.0	5.0	3.1	41	235	195	0	90.0	85.9	2959	0	3363
6665.0	5.0	3.2	42	235	193	0	90.3	85.8	2967	0	3366
6670.0	5.0	3.3	41	235	195	0	90.0	86.0	2971	0	3369
6675.0	5.0	3.4	39	235	195	0	90.6	85.6	2972	0	3378
6680.0	5.0	3.5	30	242	213	0	77.3	69.5	2139	0	3400
6685.0	5.0	3.9	30	244	204	0	78.9	68.8	2260	0	3382
6690.0	5.0	4.1	48	244	195	0	89.7	85.8	2993	0	3380
6695.0	5.0	4.2	51	244	192	0	89.3	85.2	2983	0	3391
4257											
6700.0	5.0	4.2	50	244	194	0	88.9	85.1	2963	0	3394
6705.0	5.0	4.3	49	244	194	0	82.4	79.6	2956	0	3386
6710.0	5.0	4.3	49	244	195	0	88.8	86.5	3005	0	3389
6715.0	5.0	4.4	48	244	195	0	87.6	85.2	2985	0	3392
6720.0	5.0	4.5	49	244	194	0	90.8	87.8	2978	0	3401
6725.0	5.0	4.6	49	244	195	0	87.7	86.3	2976	0	3397
6730.0	5.0	4.6	48	244	195	0	88.2	85.1	2949	0	3416
6740.0	10.0	4.7	49	244	197	0	89.4	85.3	2993	0	3435
6745.0	5.0	4.9	48	244	195	0	85.1	90.1	3006	0	3442
6750.0	5.0	4.9	50	244	193	0	84.6	90.2	3001	0	3442
4309											
6755.0	5.0	5.0	48	244	196	0	84.6	89.2	2999	0	3450
6760.0	5.0	5.0	48	244	196	0	84.7	89.6	2985	0	3433
6765.0	5.0	5.1	48	244	195	0	84.7	89.9	2993	0	3439
6770.0	5.0	5.2	49	240	195	0	81.3	85.7	2991	0	3443
6775.0	5.0	5.3	49	234	195	0	87.3	86.0	2964	0	3463
6780.0	5.0	5.3	49	240	194	0	87.1	85.5	2945	0	3464
6785.0	5.0	5.4	49	244	194	0	86.5	84.8	2947	0	3462
6790.0	5.0	5.5	49	244	195	0	86.9	86.6	2948	0	3460
6795.0	5.0	5.6	48	244	195	0	86.6	86.1	2952	0	3477
6800.0	5.0	5.6	49	244	195	0	86.5	86.4	2949	0	3482
4359											
6805.0	5.0	5.7	48	242	194	0	83.3	85.6	2945	0	3485
6810.0	5.0	5.8	46	242	195	0	84.7	88.2	2960	0	3491
6815.0	5.0	5.9	47	242	194	0	85.2	88.4	2960	0	3479
6820.0	5.0	6.0	47	242	195	0	85.0	88.5	2962	0	3484
6825.0	5.0	6.0	48	243	194	0	85.4	88.1	2956	0	3492
6830.0	5.0	6.1	50	243	193	0	84.7	88.6	2971	0	3482
6835.0	5.0	6.2	49	244	195	0	82.7	85.2	2969	0	3495
6840.0	5.0	6.3	50	244	195	0	84.2	87.7	2989	0	3470
6845.0	5.0	6.4	49	244	194	0	85.7	88.5	2993	0	3481
6850.0	5.0	6.4	50	244	193	0	85.4	88.9	2999	0	3483
4408											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
4408											
6855.0	5.0	6.5	49	244	194	0	86.2	89.0	2992	0	3478
6860.0	5.0	6.6	49	244	194	0	85.8	88.2	2993	0	3480
6865.0	5.0	6.7	49	243	194	0	83.2	85.9	2989	0	3485
6870.0	5.0	6.8	48	241	192	0	88.2	86.7	2974	0	3487
6875.0	5.0	6.9	48	241	193	0	87.5	87.3	2975	0	3485
6880.0	5.0	7.0	48	241	193	0	87.2	87.6	2986	0	3480
6885.0	5.0	7.1	50	243	192	0	87.2	87.4	2989	0	3489
6890.0	5.0	7.1	51	244	192	0	87.4	86.6	2986	0	3496
6895.0	5.0	7.2	50	238	192	0	82.9	83.6	2981	0	3511
6900.0	5.0	7.3	49	244	194	0	87.1	88.0	3008	0	3521
4458											
6905.0	5.0	7.4	51	244	193	0	86.3	87.5	3008	0	3505
6910.0	5.0	7.5	50	244	194	0	87.7	87.9	3002	0	3514
6915.0	5.0	7.6	51	244	193	0	87.9	87.7	3000	0	3518
6920.0	5.0	7.6	51	244	193	0	87.3	87.9	2991	0	3512
6925.0	5.0	7.7	51	244	194	0	87.2	86.9	2986	0	3513
6930.0	5.0	7.8	52	244	191	0	82.0	83.3	2932	0	3525
6935.0	5.0	7.9	51	244	193	0	84.9	91.0	3019	0	3534
6940.0	5.0	7.9	49	244	195	0	85.9	90.9	3006	0	3525
6945.0	5.0	8.0	50	244	193	0	84.6	90.7	2997	0	3501
6950.0	5.0	8.1	50	244	193	0	86.4	90.4	2991	0	3495
4508											
6955.0	5.0	8.1	51	244	192	0	86.1	90.1	2986	0	3494
6960.0	5.0	8.2	53	243	189	0	82.6	85.4	2981	0	3493
6965.0	5.0	8.2	51	243	191	0	87.1	87.5	2997	0	3474
6970.0	5.0	8.3	50	243	192	0	87.4	86.8	2982	0	3474
6975.0	5.0	8.4	50	243	193	0	87.2	86.4	2983	0	3493
6980.0	5.0	8.4	50	243	192	0	88.0	86.9	2984	0	3497
6985.0	5.0	8.5	49	243	194	0	87.2	85.9	2978	0	3491
6990.0	5.0	8.6	53	243	188	0	84.1	83.5	2976	0	3495
6995.0	5.0	8.7	51	243	191	0	87.4	87.4	2999	0	3484
7000.0	5.0	8.7	50	243	193	0	86.9	86.1	2998	0	3493
4556											
7005.0	5.0	8.8	51	243	191	0	87.9	86.7	2998	0	3492
7010.0	5.0	8.9	51	243	192	0	87.8	86.4	2998	0	3493
7015.0	5.0	9.0	51	243	192	0	87.6	86.9	2991	0	3519
7020.0	5.0	9.0	51	243	192	0	87.3	86.1	2983	0	3526
7025.0	5.0	9.1	51	244	193	0	86.4	85.3	2960	0	3504
7030.0	5.0	9.2	47	243	196	0	87.9	84.8	2934	0	3520
7035.0	5.0	9.3	48	244	195	0	85.2	89.3	2967	0	3522
7040.0	5.0	9.3	50	244	194	0	87.7	85.5	2962	0	3522
7045.0	5.0	9.4	49	244	195	0	87.4	86.4	2959	0	3530
7050.0	5.0	9.5	49	244	194	0	87.6	86.7	2970	0	3531
4605											
7055.0	5.0	9.5	51	244	193	0	80.8	81.5	2927	0	3546
7060.0	5.0	9.6	48	244	196	0	84.7	89.1	3009	0	3528
7065.0	5.0	9.7	48	244	195	0	85.1	89.2	2997	0	3530
7070.0	5.0	9.8	48	244	195	0	84.7	88.5	2975	0	3546
7075.0	5.0	9.9	48	244	196	0	85.4	88.5	2955	0	3566
7080.0	5.0	9.9	48	244	195	0	85.4	87.5	2943	0	3554
7085.0	5.0	10.0	49	244	195	0	82.4	85.0	2931	0	3573
7090.0	5.0	10.1	48	244	194	0	83.8	89.3	2955	0	3574
7095.0	5.0	10.2	48	244	196	0	84.5	88.5	2954	0	3550
7100.0	5.0	10.3	49	244	194	0	85.0	87.8	2943	0	3541
4655											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
4655											
7105.0	5.0	10.4	49	244	195	0	84.8	87.7	2935	0	3534
7110.0	5.0	10.5	50	244	193	0	85.3	87.1	2921	0	3547
7115.0	5.0	10.6	51	244	192	0	79.2	79.4	2778	0	3571
7120.0	5.0	10.7	49	244	195	0	81.2	79.8	2623	0	3580
7125.0	5.0	10.8	50	244	194	0	86.6	84.5	2876	0	3548
7130.0	5.0	10.9	49	244	195	0	88.6	85.6	2973	0	3548
7135.0	5.0	11.0	50	244	194	0	88.4	84.6	2957	0	3576
7140.0	5.0	11.1	47	244	196	0	88.6	84.6	2961	0	3584
7145.0	5.0	11.2	47	235	196	0	83.0	79.9	2965	0	3578
7150.0	5.0	11.3	46	244	197	0	87.1	87.8	3000	0	3579
4704											
7155.0	5.0	11.3	47	244	198	0	86.6	88.3	2996	0	3572
7160.0	5.0	11.4	48	244	198	0	86.6	87.9	2993	0	3580
7165.0	5.0	11.5	48	244	199	0	87.7	86.2	2974	0	3575
7170.0	5.0	11.6	48	244	198	0	87.0	86.6	2965	0	3585
7175.0	5.0	11.7	48	244	199	0	87.3	85.8	2977	0	3597
7180.0	5.0	11.7	48	225	195	0	81.7	80.0	2884	0	3582
7185.0	5.0	11.8	48	243	198	0	87.8	87.8	3037	0	3603
7190.0	5.0	11.9	49	245	195	0	87.0	85.7	2959	0	3617
7195.0	5.0	12.0	48	245	197	0	88.8	87.0	2957	0	3623
7200.0	5.0	12.0	48	245	198	0	86.7	86.3	2976	0	3626
4750											
7205.0	5.0	12.1	48	245	197	0	87.1	86.9	2975	0	3629
7210.0	5.0	12.2	40	245	198	0	79.1	79.1	2982	0	3620
7215.0	5.0	12.2	51	245	195	0	86.2	88.3	3013	0	3621
7220.0	5.0	12.3	48	245	197	0	87.2	87.8	3001	0	3628
7225.0	5.0	12.4	49	245	196	0	86.5	87.3	2995	0	3622
7230.0	5.0	12.4	48	247	199	0	87.0	88.0	3013	0	3621
7235.0	5.0	12.5	50	248	198	0	87.0	88.4	3022	0	3628
7240.0	5.0	12.6	52	248	195	0	85.8	88.4	3025	0	3641
7245.0	5.0	12.6	52	248	196	0	82.7	85.4	2981	0	3643
7250.0	5.0	12.7	50	249	198	0	85.1	87.6	2966	0	3651
4796											
7255.0	5.0	12.8	51	249	198	0	85.5	88.0	2979	0	3675
7260.0	5.0	12.8	51	249	198	0	85.7	87.7	2989	0	3684
7265.0	5.0	12.9	51	249	197	0	86.0	88.0	2988	0	3675
7270.0	5.0	13.0	51	249	197	0	85.6	88.6	2995	0	3667
7275.0	5.0	13.1	45	242	196	0	81.1	82.4	3013	0	3678
7280.0	5.0	13.1	51	249	199	0	89.4	85.7	3022	0	3676
7285.0	5.0	13.2	49	249	200	0	87.1	84.6	2942	0	3680
7290.0	5.0	13.3	50	249	199	0	86.1	84.2	2969	0	3676
7295.0	5.0	13.4	50	249	198	0	87.1	84.5	2957	0	3682
7300.0	5.0	13.5	51	249	197	0	86.6	84.6	2982	0	3693
4845											
7305.0	5.0	13.5	47	241	197	0	82.2	80.7	2972	0	3701
7310.0	5.0	13.6	52	249	197	0	86.3	87.5	3021	0	3707
7315.0	5.0	13.7	51	249	198	0	86.0	87.6	3023	0	3701
7320.0	5.0	13.8	50	249	199	0	85.9	87.5	3027	0	3707
7325.0	5.0	13.9	49	249	200	0	85.7	88.1	2994	0	3711
7330.0	5.0	13.9	50	249	198	0	86.3	86.5	3001	0	3716
7335.0	5.0	14.0	50	239	199	0	83.6	91.4	3008	0	3721
7340.0	5.0	14.1	48	236	196	0	81.4	81.2	2967	0	3719
7345.0	5.0	14.2	47	245	198	0	85.7	85.4	2951	0	3726
7350.0	5.0	14.2	48	245	196	0	84.8	86.2	2954	0	3731
4895											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
4895											
7355.0	5.0	14.3	47	245	198	0	84.7	86.4	2958	0	3730
7360.0	5.0	14.4	45	245	201	0	83.7	85.9	2963	0	3727
7365.0	5.0	14.5	48	248	197	0	83.9	86.7	2952	0	3738
7370.0	5.0	14.6	48	236	204	0	84.8	85.2	3021	0	3751
7375.0	5.0	14.7	46	249	203	0	88.1	86.9	3057	0	3742
7380.0	5.0	14.8	45	249	202	0	60.5	55.3	2041	0	3733
7385.0	5.0	14.9	45	251	205	0	84.4	85.6	2943	0	3738
7390.0	5.0	15.0	48	250	202	0	84.9	85.5	2932	0	3719
7395.0	5.0	15.1	48	250	203	0	85.1	85.1	2924	0	3706
7400.0	5.0	15.2	47	240	203	0	82.1	83.9	2940	0	3696
4944											
7405.0	5.0	15.3	47	250	204	0	85.8	85.3	3000	0	3731
7410.0	5.0	15.3	48	252	208	0	87.2	85.1	2984	0	3738
7415.0	5.0	15.4	49	257	209	0	86.1	85.7	3005	0	3739
7420.0	5.0	15.5	51	259	207	0	86.9	85.4	2994	0	3760
7425.0	5.0	15.6	49	259	209	0	86.6	84.8	2974	0	3750
7430.0	5.0	15.7	51	259	211	0	86.4	85.3	2987	0	3745
7435.0	5.0	15.8	48	259	210	0	87.5	81.7	2932	0	3753
7440.0	5.0	15.9	50	259	209	0	82.7	88.0	2925	0	3764
7450.0	10.0	16.0	50	259	209	0	87.2	83.1	2914	0	3776
7455.0	5.0	16.2	51	259	208	0	89.5	81.0	2921	0	3787
4995											
7460.0	5.0	16.2	52	259	207	0	88.3	81.0	2927	0	3788
7465.0	5.0	16.3	51	260	208	0	82.7	83.0	2956	0	3804
7470.0	5.0	16.4	51	260	208	0	85.1	85.5	2948	0	3815
7475.0	5.0	16.5	51	260	207	0	85.7	86.1	2957	0	3845
7480.0	5.0	16.6	52	260	206	0	84.6	85.6	2947	0	3847
7485.0	5.0	16.7	51	260	209	0	84.3	84.1	2900	0	3816
7490.0	5.0	16.8	48	260	212	0	84.4	83.8	2896	0	3818
7495.0	5.0	16.9	52	260	207	0	81.6	78.2	2883	0	3848
7500.0	5.0	17.0	53	260	206	0	88.4	78.5	2882	0	3853
7505.0	5.0	17.1	53	260	207	0	87.2	79.9	2869	0	3853
5045											
7510.0	5.0	17.3	48	260	212	0	87.9	79.7	2842	0	3861
7515.0	5.0	17.4	50	260	208	0	87.7	79.1	2828	0	3889
7520.0	5.0	17.5	53	260	206	0	85.2	84.2	2894	0	3919
7525.0	5.0	17.6	55	260	204	0	79.9	84.4	2905	0	3902
7530.0	5.0	17.7	55	260	204	0	84.9	83.9	2924	0	3880
7535.0	5.0	17.8	56	260	203	0	84.2	84.4	2918	0	3862
7540.0	5.0	17.9	55	260	205	0	83.8	87.4	2987	0	3851
7545.0	5.0	18.0	56	260	203	0	84.0	87.3	2990	0	3849
7550.0	5.0	18.1	55	260	204	0	82.4	83.4	2990	0	3859
7555.0	5.0	18.3	54	260	205	0	84.0	84.8	2953	0	3871
5095											
7560.0	5.0	18.4	51	258	206	0	77.1	79.7	2880	0	3894
7565.0	5.0	18.5	53	260	207	0	87.1	85.3	3020	0	3890
7570.0	5.0	18.6	54	260	206	0	87.3	84.9	3007	0	3885
7575.0	5.0	18.7	50	260	210	0	86.0	85.9	2999	0	3901
7580.0	5.0	18.8	50	260	209	0	85.9	85.4	2989	0	3920
7590.0	10.0	19.0	52	260	208	0	84.7	84.2	2990	0	3936
7595.0	5.0	19.1	52	260	207	0	85.9	84.3	2968	0	3933
7600.0	5.0	19.3	53	260	206	0	86.1	84.7	2986	0	3929
7605.0	5.0	19.4	52	260	208	0	85.4	84.7	2974	0	3939
7610.0	5.0	19.5	54	260	206	0	85.7	84.3	2967	0	3936
5149											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
5149											
7615.0	5.0	19.6	52	260	208	0	85.6	84.0	2964	0	3928
7620.0	5.0	19.7	55	260	203	0	82.0	80.5	2924	0	3936
7625.0	5.0	19.8	57	260	203	0	83.9	83.1	2912	0	3928
7630.0	5.0	20.0	56	260	203	0	84.9	83.8	2942	0	3919
7635.0	5.0	20.1	56	260	204	0	85.4	84.4	2956	0	3936
7640.0	5.0	20.2	54	260	205	0	85.3	84.6	2943	0	3934

DO YOU WISH ADDITIONAL LISTINGS ? (Y OR N)

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	64										
				NEW BIT ID:	7						
7650.0	.0	.0	31	260	229	0	78.5	80.1	2914	0	3781
7655.0	5.0	.2	36	262	226	0	75.6	77.8	2962	0	3787
7660.0	5.0	.6	38	262	224	0	74.7	77.9	2966	0	3831
7665.0	5.0	.9	43	262	219	0	75.6	77.5	2974	0	3904
7670.0	5.0	1.3	46	262	216	0	76.9	79.2	2942	0	3964
7675.0	5.0	1.5	51	262	211	0	83.0	85.0	2968	0	3949
7680.0	5.0	1.7	51	262	211	0	83.2	84.9	2944	0	3917
7685.0	5.0	1.9	50	262	212	0	85.6	83.9	2938	0	3876
7690.0	5.0	2.1	50	262	212	0	85.6	83.2	2931	0	3892
7695.0	5.0	2.3	51	262	211	0	85.3	83.0	2955	0	3908
	114										
7700.0	5.0	2.5	52	262	209	0	84.7	83.6	2965	0	3908
7705.0	5.0	2.7	52	262	210	0	84.9	83.5	2940	0	3898
7710.0	5.0	2.9	52	262	210	0	84.8	83.7	2925	0	3893
7715.0	5.0	3.0	51	262	211	0	84.9	82.7	2877	0	3902
7720.0	5.0	3.2	52	262	210	0	84.5	85.3	2940	0	3920
7725.0	5.0	3.3	52	262	210	0	86.3	84.2	2982	0	3945
7730.0	5.0	3.5	50	262	212	0	85.6	83.5	2974	0	3963
7735.0	5.0	3.7	51	262	210	0	85.7	83.4	2966	0	3963
7740.0	5.0	3.9	54	262	208	0	85.9	83.6	2970	0	3959
7745.0	5.0	4.0	55	262	207	0	86.8	83.0	2941	0	3942
	162										
7750.0	5.0	4.2	55	262	207	0	85.9	82.9	2853	0	3936
7755.0	5.0	4.4	49	262	213	0	85.5	83.0	2866	0	3948
7760.0	5.0	4.5	50	262	212	0	85.4	82.4	2871	0	3960
7765.0	5.0	4.7	51	262	211	0	83.0	84.2	2868	0	3971
7770.0	5.0	4.9	51	262	211	0	81.4	85.9	2868	0	3982
7775.0	5.0	5.1	52	262	210	0	85.6	85.0	3001	0	3968
7780.0	5.0	5.2	53	262	209	0	85.2	85.1	2994	0	3971
7785.0	5.0	5.3	52	262	210	0	84.0	85.1	2974	0	3971
7790.0	5.0	5.5	52	262	210	0	83.4	84.9	2965	0	3976
7795.0	5.0	5.6	52	262	210	0	82.0	84.9	2938	0	3986
	203										
7800.0	5.0	5.8	52	262	210	0	82.0	85.5	2947	0	3993
7805.0	5.0	6.0	53	262	209	0	82.0	85.5	2948	0	4000
7810.0	5.0	6.1	53	263	210	0	81.6	86.6	2961	0	3987
7815.0	5.0	6.3	51	263	212	0	84.8	84.3	2979	0	3991
7820.0	5.0	6.5	50	263	213	0	84.8	83.7	2973	0	3997
7825.0	5.0	6.6	50	263	213	0	85.4	83.5	2975	0	4002
7830.0	5.0	6.8	50	263	213	0	84.5	83.1	2961	0	4012
7835.0	5.0	6.9	50	263	213	0	84.2	82.8	2943	0	4019
7840.0	5.0	7.0	50	263	213	0	84.1	82.9	2946	0	4012
7845.0	5.0	7.2	51	263	212	0	88.0	81.2	2966	0	4004
	253										
7850.0	5.0	7.3	52	263	211	0	86.6	82.7	2960	0	4007
7855.0	5.0	7.4	53	263	210	0	85.9	82.3	2938	0	4007
7860.0	5.0	7.5	52	263	211	0	85.6	82.0	2930	0	4008
7865.0	5.0	7.7	52	263	211	0	85.1	82.2	2917	0	4012
7870.0	5.0	7.9	53	263	210	0	85.2	81.7	2915	0	4019
7875.0	5.0	8.0	54	264	210	0	91.6	77.1	2947	0	4021
7880.0	5.0	8.2	54	264	210	0	92.3	76.7	2953	0	4023

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	288										
7885.0	5.0	8.4	53	264	211	0	91.9	76.7	2931	0	4023
7890.0	5.0	8.6	54	264	210	0	91.9	75.9	2910	0	4030
7895.0	5.0	8.9	54	264	210	0	91.1	75.8	2908	0	4041
7900.0	5.0	9.1	56	264	208	0	90.9	75.7	2903	0	4038
7905.0	5.0	9.4	54	264	210	0	89.2	77.5	2891	0	4022
7910.0	5.0	9.5	53	264	211	0	90.6	78.6	2939	0	4024
7920.0	10.0	9.6	53	264	211	0	88.1	83.1	2975	0	4048
7925.0	5.0	9.7	52	264	212	0	88.2	83.6	2996	0	4047
7935.0	10.0	9.8	50	264	214	0	90.2	81.0	2974	0	4034
7940.0	5.0	9.9	49	264	215	0	93.6	77.1	2976	0	4024
	342										
7945.0	5.0	10.0	49	265	216	0	94.4	77.4	2996	0	4026
7950.0	5.0	10.1	50	265	215	0	93.8	77.1	2983	0	4024
7955.0	5.0	10.2	51	265	214	0	93.9	77.6	2992	0	4018
7960.0	5.0	10.4	50	265	215	0	93.4	77.4	2998	0	4020
7965.0	5.0	10.5	51	264	213	0	91.5	76.7	2915	0	4034
7970.0	5.0	10.7	50	264	214	0	90.8	79.4	2946	0	4036
7975.0	5.0	10.8	50	264	214	0	90.8	79.9	2973	0	4038
7980.0	5.0	11.0	50	264	214	0	90.8	80.1	2972	0	4042
7985.0	5.0	11.1	51	264	213	0	90.8	80.3	2973	0	4048
7990.0	5.0	11.2	50	264	214	0	89.5	79.4	2914	0	4047
	390										
7995.0	5.0	11.2	49	264	215	0	93.5	77.6	2975	0	4047
8000.0	5.0	11.3	49	264	215	0	94.5	77.5	2993	0	4052
8005.0	5.0	11.4	45	264	219	0	94.7	77.6	2996	0	4056
8010.0	5.0	11.4	44	264	220	0	94.1	77.2	2989	0	4059
8020.0	10.0	11.5	46	264	218	0	93.9	77.3	2994	0	4046
8025.0	5.0	11.5	51	265	214	0	92.7	76.2	2962	0	4026
8030.0	5.0	11.5	49	267	218	0	87.8	76.9	2964	0	4028
8035.0	5.0	11.6	53	269	216	0	89.5	79.1	2957	0	4030
8040.0	5.0	11.6	57	269	212	0	89.1	78.5	2961	0	4035
8045.0	5.0	11.6	52	269	216	0	90.3	78.4	2977	0	4040
	431										
8050.0	5.0	11.7	53	269	216	0	90.1	78.8	2978	0	4069
8055.0	5.0	11.7	55	269	214	0	89.7	78.8	2987	0	4082
8060.0	5.0	11.8	52	262	217	0	90.1	77.5	2974	0	4067
8065.0	5.0	11.8	47	269	222	0	94.7	73.0	2997	0	4100
8070.0	5.0	11.9	50	269	219	0	84.3	80.9	2939	0	4097
8075.0	5.0	11.9	54	269	215	0	83.3	81.8	2940	0	4110
8080.0	5.0	12.0	55	269	214	0	82.7	81.3	2920	0	4111
8085.0	5.0	12.1	56	269	213	0	83.1	81.5	2931	0	4129
8090.0	5.0	12.1	55	269	214	0	83.4	81.7	2947	0	4100
8095.0	5.0	12.2	52	269	217	0	84.2	81.2	2967	0	4097
	477										
8100.0	5.0	12.3	51	269	218	0	74.9	76.4	2552	0	4105
8105.0	5.0	12.3	48	269	221	0	75.3	75.9	2567	0	4110
8110.0	5.0	12.4	52	269	217	0	72.1	69.1	2583	0	4125
8115.0	5.0	12.4	54	269	215	0	68.3	61.1	2555	0	4139
8120.0	5.0	12.5	53	269	216	0	68.7	60.6	2527	0	4149
8125.0	5.0	12.6	53	269	216	0	70.9	63.0	2526	0	4177
8130.0	5.0	12.7	48	269	221	0	71.9	64.3	2513	0	4199
8135.0	5.0	12.7	49	269	220	0	73.2	70.9	2489	0	4189
8140.0	5.0	12.8	48	269	221	0	73.1	71.7	2436	0	4190
8145.0	5.0	12.9	48	269	221	0	73.1	71.7	2432	0	4188
	525										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	525										
8150.0	5.0	13.0	47	269	222	0	76.0	71.0	2497	0	4181
8155.0	5.0	13.0	48	269	221	0	75.2	72.5	2531	0	4177
8160.0	5.0	13.1	46	269	223	0	73.1	79.3	2637	0	4186
8165.0	5.0	13.2	50	269	219	0	74.7	74.8	2548	0	4194
8170.0	5.0	13.2	50	269	219	0	75.7	72.5	2513	0	4203
8175.0	5.0	13.3	49	269	220	0	76.1	72.6	2507	0	4209
8180.0	5.0	13.4	47	269	222	0	75.6	71.9	2502	0	4210
8190.0	10.0	13.4	48	269	221	0	76.1	71.1	2503	0	4238
8195.0	5.0	13.5	48	269	221	0	75.5	69.6	2437	0	4275
8200.0	5.0	13.6	52	269	217	0	75.5	70.0	2451	0	4258
	579										
8205.0	5.0	13.7	47	269	222	0	75.2	70.3	2463	0	4269

DO YOU WISH ADDITIONAL LISTINGS ? (Y OR N) N

PE603567

This is an enclosure indicator page.
The enclosure PE603567 is enclosed within the container PE906230 at this location in this document.

The enclosure PE603567 has the following characteristics:

ITEM_BARCODE	= PE603567
CONTAINER_BARCODE	= PE906230
NAME	= ES Drill Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= ES Drill Log for Opah-1 containing Rate of Penetration, Corrected 'd' Exponent and Gas units
REMARKS	=
DATE_CREATED	= 20/04/77
DATE_RECEIVED	=
W_NO	= W687
WELL_NAME	= OPAH-1
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603568

This is an enclosure indicator page.
The enclosure PE603568 is enclosed within the container PE906230 at this location in this document.

The enclosure PE603568 has the following characteristics:

ITEM_BARCODE	= PE603568
CONTAINER_BARCODE	= PE906230
NAME	= Geoplot Log 1
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Geoplot (1 of 2) for Opah-1 containing porosity and pore pressure data
REMARKS	=
DATE_CREATED	= 20/04/77
DATE_RECEIVED	=
W_NO	= W687
WELL_NAME	= OPAH-1
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603569

This is an enclosure indicator page.
The enclosure PE603569 is enclosed within the container PE906230 at this location in this document.

The enclosure PE603569 has the following characteristics:

ITEM_BARCODE	= PE603569
CONTAINER_BARCODE	= PE906230
NAME	= Geoplot Log 2
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Geoplot (2 of 2) for Opah-1 containing Rotary RPM, Pump Pressure and Mud Weight data
REMARKS	=
DATE_CREATED	= 20/04/77
DATE_RECEIVED	=
W_NO	= W687
WELL_NAME	= OPAH-1
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603570

This is an enclosure indicator page.
The enclosure PE603570 is enclosed within the container PE906230 at this location in this document.

The enclosure PE603570 has the following characteristics:

ITEM_BARCODE	= PE603570
CONTAINER_BARCODE	= PE906230
NAME	= Temperature Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Temperature Log for Opah-1
REMARKS	=
DATE_CREATED	= 20/04/77
DATE_RECEIVED	=
W_NO	= W687
WELL_NAME	= OPAH-1
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603571

This is an enclosure indicator page.
The enclosure PE603571 is enclosed within the container PE906230 at this location in this document.

The enclosure PE603571 has the following characteristics:

ITEM_BARCODE	= PE603571
CONTAINER_BARCODE	= PE906230
NAME	= Pressure Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Pressure Log for Opah-1
REMARKS	=
DATE_CREATED	= 20/04/77
DATE_RECEIVED	=
W_NO	= W687
WELL_NAME	= OPAH-1
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603572

This is an enclosure indicator page.
The enclosure PE603572 is enclosed within the container PE906230 at this location in this document.

The enclosure PE603572 has the following characteristics:

ITEM_BARCODE	= PE603572
CONTAINER_BARCODE	= PE906230
NAME	= Mud (Grapholog) Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Mud Log (Grapholog) for Opah-1
REMARKS	=
DATE_CREATED	= 20/04/77
DATE_RECEIVED	=
W_NO	= W687
WELL_NAME	= OPAH-1
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)