

W686

DEPT. NAT. RES & ENV

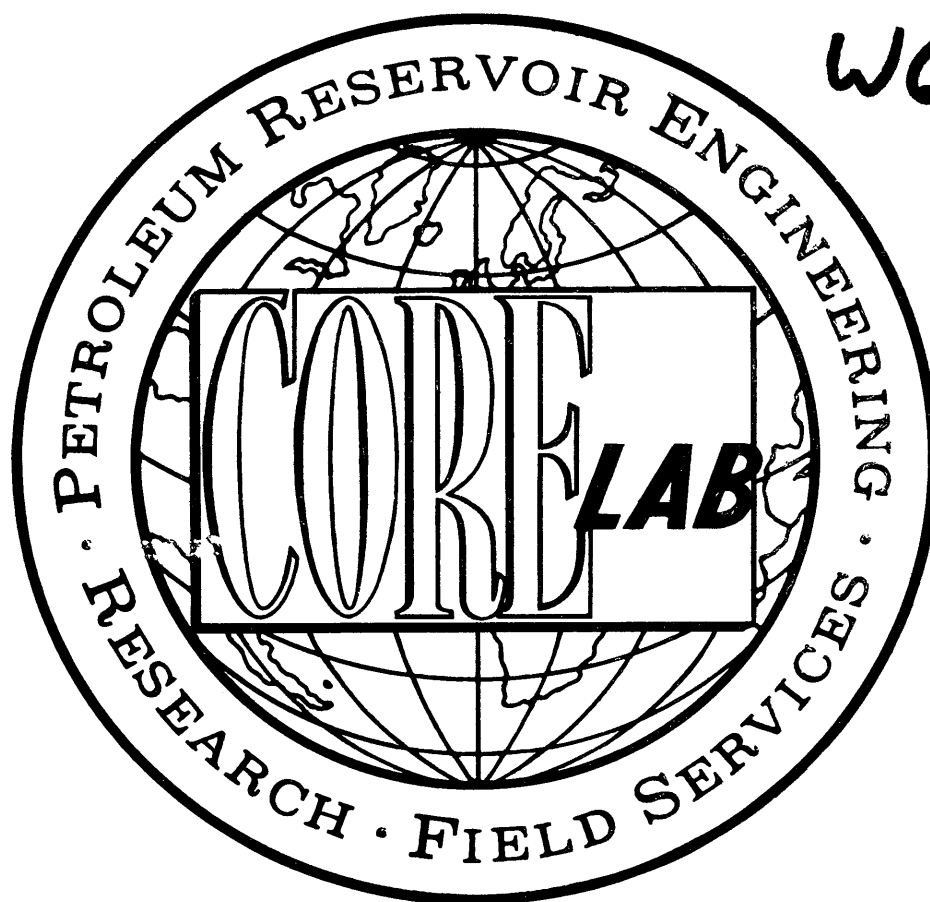


PE906361



ATTACHMENT TO
WCR SWORDFISH-1

W686

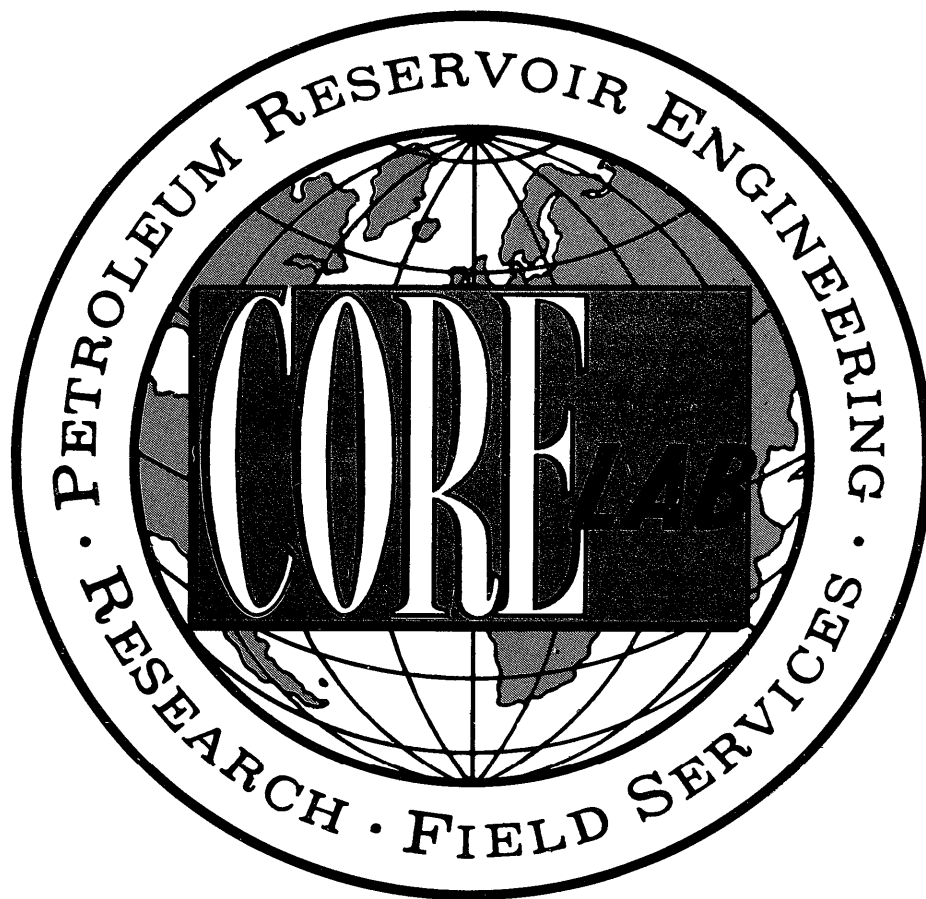


EXTENDED SERVICE

ESSO AUSTRALIA LTD.

WELL REPORT

SWORDFISH # 1



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

10 MARCH 1977

REPLY TO:
24-A, LIM TECK BOO ROAD,
SINGAPORE, 19.
CABLE: CORELAB
TELEPHONE: 2821222, 2821567
TELEX: CORELAB RS 21423

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

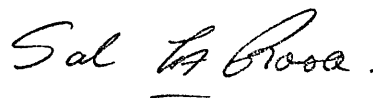
Dear Sir,

Please find enclosed all logs, relevant data and well report pertaining to the drilling operations of SWORDFISH # 1 for your inspection and reference.

Core Laboratories appreciates being of assistance to ESSO AUSTRALIA during the drilling of SWORDFISH # 1 and look forward to our continuing association on future exploration wells.

If you have any queries on the report and data found within, please do not hesitate to contact us.

Yours Sincerely



S. R. LA ROSA

(UNIT SUPERVISOR)

SWORDFISH # 1 was drilled for ESSO AUSTRALIA by ODECO's semi-submersible drilling rig - Ocean Endeavour in the Gippsland Basin of the Bass Strait. The well was spudded on 21 December 1976 and a total depth of 8,100' was reached at 2222 hours on 14 January 1977.

Location co-ordinates are:-

Latitude: 38° 23' 36.086" S.
Longitude: 148° 00' 23.531" E.

A Core Laboratories Extended Service fully integrated computer unit was located on board the Ocean Endeavour to monitor all drilling parameters below 20" casing.

The Core Laboratories well-site crew consisted of Unit Supervisor - Sal La Rosa, E.S. Engineers - Ingolf Hansen and Richard Hall, while the Mudloggers were Joseph Greener, David Gilbert and Ronald Wigham.

CORE LABORATORIES



INC.

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 logarithmic value at $1/\text{Time} = 0$.

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 initiation 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, ΔT :- 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.

SWORDFISH # 1 FORMATION PRESSURE SUMMARY

SWORDFISH # 1 was spudded on 21 December 1976, in a water depth of 213'. A 26" hole was drilled from the sea-floor to a depth of 760', drilling fluid being used was sea-water with all returns to the sea-floor. 20" casing was set at a depth of 714' and the Blowout Preventer Stack and marine riser were run. A 17.5" drill bit was used to drill the section over the interval 760' to 3,020'. The lithology throughout this section consisted mainly of soft to firm Marl with occasional micritic, grey limestone, varying to silty limestone at the base of the section. Rate of penetration for this section generally ranged between 100 feet and 500 feet per hour. The uncompacted nature of the sediments encountered is reflected in the low and erratic 'd' exponent values. Sediments like these are drilled not only by the cutting action of the bit teeth, but also by the hydraulic action of the drilling mud from the jet nozzles. This factor is not accounted for in the 'd' exponent equation so a typically erratic plot results.



Also as noted on the Geoplot 1, the equivalent circulating density was excessively high in comparison with mud weight in use. This was mainly due to the high rate of penetration experienced for this section, inevitably over-loading the annulus with cuttings, thus producing the high equivalent circulating density.

On reaching 3,020', Schlumberger wireline logs were run and 13.375" casing was set at 2,978'. On drilling through the casing shoe a pressure integrity test was performed on the formation, producing an equivalent fracture pressure of 13.5 ppg. As no actual formation breakdown occurred, this figure is used only as a guide to maximum usable mud weights. Drilling resumed with a 12.25" drill bit to a total depth of 8,100'. Over the first section of 3,020' to 3,880', lithologies encountered consisted of limestone and marl. From approximately 3,880' to 4,140', a moderately firm to hard limestone was drilled, noticeably with the previously drilled marl absent. At the base of this section, an apparent lithology change occurred with a slight increase in rate of penetration, the limestone becoming soft to firm and the presence of transitional marl from limestone, with an increase in clay content. At the base of this transitional marl, another gradual transition was encountered, that from a marl to a calcareous shale. At 6,620' another major lithology change occurred. At this point, siltstone grading to very fine grained sandstone was encountered with loose quartz grains mainly coarse to very coarse from sand, being drilled.



Throughout this section to a depth of 8,100', the lithology varied very little with only small lenses of coal, shale and siltstone interbedded with the sandstone section. Gas readings for this interval were generally very low. This of course could be due to the extremely high over-balance maintained throughout the drilling of this sandstone interval. This high over-balance is clearly identified by the two pressure readings taken from the two F.I.T./HP Quartz Pressure Gauge runs. The first pressure point taken at 7,950' produced an absolute reading of 3,425 psia, after a conversion to a gauge reading an equivalent formation pore pressure of 8.25 ppg is obtained. The second pressure point at 6,810' produced 2,941.3 psia an equivalent of 8.26 ppg. Buildup time on the first zone tested was 26.5 minutes which was observed as a very slow buildup, indicating a poor permeable zone. The second zone tested showed a very permeable zone as buildup time was 20 times and actual pressure while filling the tool chamber reached instantaneous high reading, indicating the high permeability of the zone.

Considering all the data, processed and analysed, our opinion is that SWORDFISH # 1 was normally pressured throughout.





ESP

BIT RUN DATA SHEET.

UNIT NO. 1010

RUN NO. 2

BIT NO. 3

COMPANY ESSO AUSTRALIA		WELL SWORDFISH # 1		LOCATION BASS STRAIT		INTERVAL 3020' - 3884'	
BIT	MAKE HUGHES	TYPE OSC3AJ		BIT RUN 864'		TOTAL REVS 67000	
	SIZE 12.25"	JETS 18/18/18		HOURS RUN 7.4		CONDITION 3-8-I	
DRILL STRING & BOTTOM HOLE ASSEMBLY				OD	ID		
	DRILL PIPE			5"	4.276"	LENGTH	
	HW DRILL PIPE						
	DRILL COLLARS			6.5"	2.8125"	93.36'	
HW DRILL COLLARS			8"	3"	465.52'		
CASING & LINER	OD	ID	GRADE		SET AT		
	13.375"	12.415"			2978'	HUNG AT.	
DEPTH							
WOB							
RPM							
PUMP RATE							
FLOW RATE							
PUMP PRESS							
MW							
PV							
YP							
SAND %							
TEMP.							
Psurface							
Pstring							
Pbit							
Pannulus							
Ptotal							
HHP							
IMPACTFORCE							
JET VEL							
DC/OH							
DP/OH							
DP/CSG							
ECD							

REMARKS;

PULL OUT OF HOLE FOR NEW BIT.
P.I.T. TO 13.5ppg, NO BREAKDOWN.



ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 3 BIT NO. 4

COMPANY ESSO AUSTRALIA	WELL SWORDFISH # 1	LOCATION BASS STRAIT	INTERVAL 3884' - 5301'
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BIT	MAKE HUGHES	TYPE X3A	BIT RUN 1417'	TOTAL REVS 143000
	SIZE 12.25"	JETS 18/18/18	HOURS RUN 16.5	CONDITION 4-5-I

DRILL STRING & BOTTOM HOLE ASSEMBLY	DRILL PIPE	OD 5"	ID 4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	93.36'
	HW DRILL COLLARS	8"	3"	465.52'

CASING & LINER	OD 13.375"	ID 12.415"	GRADE	SET AT 2978'	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:

SLOW PUMP RATES 35 spm 450psi
 REPAIR ROTARY TABLE @ 4600' WHILE MAKING SHORT TRIP.
 EXPERIENCE NUMEROUS POWER FAILURES, PULL OUT OF HOLE
 TO REPAIR MOTORS.



ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 4 BIT NO. 5

COMPANY ESSO AUSTRALIA		WELL SWORDFISH # 1		LOCATION BASS STRAIT		INTERVAL 5301' - 6382'	
BIT	MAKE HUGHES	TYPE X3A		BIT RUN 1081'		TOTAL REVS 139000	
	SIZE 12.25"	JETS 18/18/18		HOURS RUN 16.6		CONDITION 6-3-.06"	
DRILL STRING & BOTTOM HOLE ASSEMBLY	DRILL PIPE			OD 5"	ID 4.276"	LENGTH	
	HW DRILL PIPE						
	DRILL COLLARS			6.5"	2.8125"	93.36'	
	HW DRILL COLLARS			8"	3"	465.52'	
CASING & LINER	OD 13.375"	ID 12.415"	GRADE		SET AT 2978'	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;

ADDED JUNK SUB (2.6') TO B.H.A.
 PICKED UP 57 JOINTS GRADE E DRILL PIPE.
 AT 5955', PULL OUT TO SHOE TO CLEAN RISER AND FLOWLINE.
 AT 6382', PULL OUT OF HOLE FOR NEW BIT.



ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 5 BIT NO. 6

COMPANY ESSO AUSTRALIA	WELL SWORDFISH # 1	LOCATION BASS STRAIT	INTERVAL 6382' - 6950'
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BIT	MAKE HUGHES	TYPE X1G	BIT RUN 568'	TOTAL REVS 101000
	SIZE 12.25"	JETS 18/18/18	HOURS RUN 12.3	CONDITION 6-6-I

DRILL STRING & BOTTOM HOLE ASSEMBLY	OD		ID	LENGTH	
	DRILL PIPE		5"		4.276"
	HW DRILL PIPE				
	DRILL COLLARS		6.5"	2.8125"	93.36'
HW DRILL COLLARS		8"	3"	465.52'	

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	13.375"	12.415"		2978'	

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;



ESP

BIT RUN DATA SHEET.

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

COMPANY ESSO AUSTRALIA		WELL SWORDFISH # 1		LOCATION BASS STRAIT		INTERVAL 6950' - 7387'	
BIT	MAKE HUGHES		TYPE X3A		BIT RUN 437'		TOTAL REVS 87000
	SIZE 12.25"		JETS 18/18/12		HOURS RUN 11.5		CONDITION 7-5-.06"
DRILL STRING & BOTTOM HOLE ASSEMBLY				OD	ID		
	DRILL PIPE			5"	4.276"	LENGTH	
	HW DRILL PIPE						
	DRILL COLLARS			6.5"	2.8125"	93.36"	
CASING & LINER			8"	3"	465.52'		
	OD	ID	GRADE		SET AT		
	13.375"	12.415"			2978'		HUNG AT.
DEPTH							
WOB							
RPM							
PUMP RATE							
FLOWRATE							
PUMP PRESS							
MW							
PV							
YP							
SAND %							
TEMP.							
Psurface							
Pstring							
Pbit							
Pannulus							
Ptotal							
HHP							
IMPACTFORCE							
JET VEL							
DC/OH							
DP/OH							
DP/CSG							
ECD							

REMARKS;

DRILLING BREAK @ 7066' CIRCULATED OUT.
 DRILLING BREAK @ 7215' - 7222' CIRCULATED OUT
 ALL TEETH HAMMERED AS IF BOUNCING ON FORMATION,
 POSSIBLY JUNK IN HOLE?



ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 7 BIT NO. 8

COMPANY ESSO AUSTRALIA	WELL SWORDFISH # 1	LOCATION BASS STRAIT	INTERVAL 7387' - 7523'
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BIT	MAKE HUGHES	TYPE X1G	BIT RUN 136'	TOTAL REVS 70000
	SIZE 12.25"	JETS 18/16/16	HOURS RUN 11.4	CONDITION 7-5-I

DRILL STRING & BOTTOM HOLE ASSEMBLY	DRILL PIPE	OD 5"	ID 4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	93.36'
	HW DRILL COLLARS	8"	3"	465.52'

CASING & LINER	OD 13.375"	ID 12.415"	GRADE	SET AT 2078'	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;

INNER ROW OF TEETH ON ALL CONES COMPLETELY WORN.



ESP

BIT RUN DATA SHEET.

UNIT NO. 1010

RUN NO. 8

BIT NO. 9

COMPANY ESSO AUSTRALIA		WELL SWORDFISH # 1		LOCATION BASS STRAIT		INTERVAL 7523' - 8100'	
BIT	MAKE HUGHES		TYPE J 22		BIT RUN 577'		TOTAL REVS 85000
	SIZE 12.25"		JETS 18/16/16		HOURS RUN 28.1		CONDITION 4-4-I
DRILL STRING & BOTTOM HOLE ASSEMBLY				OD	ID		
	DRILL PIPE			5"	4.276"	LENGTH	
	HW DRILL PIPE						
	DRILL COLLARS			6.5"	2.8125"	93.36'	
CASING & LINER	OD		ID	GRADE	SET AT		
	13.375"		12.415"		2978'	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;

TOTAL DEPTH OF 8100' REACHED @ 2222 HOURS.
 PULL OUT OF HOLE, RUN E-LOGS, SCHLUMBERGER DEPTH 8097'.

MUD DATA

<u>PARAMETER</u>		<u>UNITS</u>
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 Min.
Cake Thickness	.....	Thirty seconds of an inch
Salinity	.....	PPM
Solid/Sand/Oil	.....	Percentage





ESP

MUD INFORMATION DATA SHEET

UNIT NO. ESP 1010 SHEET NO. 1

COMPANY	WELL			LOCATION			
ESSO AUSTRALIA LTD.,	SWORDFISH # 1			BASS STRAIT			
DEPTH	2978	3309	3884	4830	5290	5955	
DATE	3/1/77	4/1/77	5/1/77	6/1/77	7/1/77	8/1/77	
TIME	0600	0700	0400	0400	1000	0445	
WEIGHT	9.0	9.0 ⁺	9.1	9.3	9.3	10.0	
FUNNEL VISCOSITY	36	34	33	42	39	38	
PLASTIC VISCOSITY	6	7	5	8	6	9	
YIELD POINT	15	14	11	16	14	22	
GEL INITIAL/10 MIN	3/7	3/12	3/12	8/21	4/14	8/25	
pH	9	9	9	9.5	9.5	9	
FILTRATE	-	-	-	38.4	29.6	15.6	
CAKE	3	3	3	3	2	2	
SALINITY	17200	16000	15000	11500	10000	9000	
SOLIDS/SAND/OIL	7/.5/-	6/.5/-	6/.5/-	8/.5/-	10/.5/-	10/.5/-	

REMARKS:

DEPTH	6382	6948	6948	7300	7475	7745	8100
DATE	9/1/77	10/1/77	11/1/77	12/1/77	13/1/77	14/1/77	15/1/77
TIME	0400	0030	0400	0415	0400	0400	0200
WEIGHT	9.9	10 ⁺	10.1	10	10	10	9.9
FUNNEL VISCOSITY	44	38	36	35	37	39	38
PLASTIC VISCOSITY	12	10	8	8	14	14	6
YIELD POINT	14	14	14	12	16	16	13
GEL INITIAL/10 MIN	7/18	4/16	3/4	3/10	7/24	6/20	3/9
pH	11	11	10	11	12	12	10.5
FILTRATE	8.8	9.4	8.2	9.6	9.6	9.2	5.2
CAKE	2	2	2	2	2	2	2
SALINITY	8000	5000	4000	4000	6000	6000	5000
SOLIDS/SAND/OIL	10/.25/-	11/.5/-	11/.5/-	11/.5/-	11/.5/-	11/.4/-	9/.23/-

REMARKS:

DUMP A

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



DEPTH	TIME	ROP	MOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
68											

NEW BIT ID: 2											

785.0	7:26	603.5	12	64	9.0	8.6	9.1	8.60	10.8	65.7	.43
790.0	7:26	886.6	13	64	9.0	8.6	9.1	8.60	10.8	69.3	.34
800.0	7:27	765.0	14	63	9.0	8.6	9.2	8.60	10.9	67.2	.37
810.0	7:27	718.5	12	64	9.0	8.6	9.2	8.60	10.9	69.5	.38
840.0	7:54	640.9	16	57	9.0	8.6	9.3	8.60	10.9	62.2	.40
870.0	7:58	342.2	17	65	9.0	8.6	9.5	8.60	11.0	57.2	.58
900.0	7:58	856.0	11	66	9.0	8.6	9.6	8.60	11.0	83.5	.33
930.0	7:59	926.4	15	65	9.0	8.6	9.6	8.60	11.1	76.4	.33
950.0	8:18	769.5	15	53	9.0	8.6	9.2	8.60	11.1	66.0	.34
965.0	8:44	746.0	15	56	9.0	8.6	9.1	8.60	11.2	63.8	.36
82											
980.0	8:44	635.0	15	63	9.0	8.6	9.2	8.60	11.2	62.7	.42
990.0	9:19	577.0	15	30	9.0	8.6	9.1	8.60	11.2	67.9	.27
1000.0	9:22	564.0	15	58	9.6	8.6	9.3	8.60	11.2	64.1	.43
1015.0	9:23	478.0	15	57	9.5	8.6	9.4	8.60	11.2	65.3	.45
1030.0	9:32	438.0	15	66	9.5	8.6	9.9	8.60	11.3	71.1	.49
1050.0	9:36	422.2	15	68	9.5	8.6	10.0	8.60	11.3	71.5	.50
1070.0	9:53	732.6	15	67	9.5	8.6	10.0	8.60	11.3	76.1	.37
1080.0	9:53	699.5	15	68	9.5	8.6	10.0	8.60	11.4	75.3	.39
1090.0	10: 8	442.0	15	68	9.5	8.6	9.7	8.60	11.4	64.7	.50
1095.0	10:10	355.6	15	69	9.5	8.6	9.7	8.60	11.4	61.9	.56
95											
1105.0	10:31	401.6	15	67	9.5	8.6	9.7	8.60	11.4	63.1	.52
1110.0	10:32	664.1	15	60	9.6	8.6	9.7	8.60	11.4	71.1	.38
1120.0	10:32	765.7	15	61	9.6	8.6	9.7	8.60	11.4	73.0	.35
1130.0	10:33	800.0	15	62	9.6	8.6	9.8	8.60	11.4	73.7	.34
1150.0	10:47	458.4	15	63	9.7	8.6	9.8	8.60	11.4	66.5	.50
1170.0	11: 2	438.2	15	62	9.7	8.6	9.8	8.60	11.5	67.4	.47
1200.0	11:35	346.7	15	60	9.6	8.5	9.9	8.60	11.5	64.7	.54
1230.0	11:37	198.9	8	62	9.4	8.6	10.0	8.60	11.6	75.6	.56
1255.0	11:53	401.3	18	59	9.3	8.6	9.8	8.60	11.6	63.0	.51
1260.0	11:54	291.7	22	59	9.2	8.7	9.8	8.60	11.6	55.6	.61
111											
1270.0	11:55	534.9	22	60	9.3	8.6	9.9	8.60	11.6	63.2	.46
1275.0	11:58	191.4	22	59	9.3	8.6	9.8	8.60	11.6	50.0	.72
1280.0	11:59	388.6	22	60	9.2	8.5	9.8	8.60	11.6	55.5	.60
1285.0	13:46	221.5	22	55	9.4	8.6	9.5	8.60	11.6	46.9	.68
1290.0	13:47	278.8	15	56	9.4	8.6	9.5	8.60	11.7	58.3	.60
1300.0	13:48	656.9	11	58	9.3	8.6	9.6	8.60	11.7	77.8	.35
1305.0	13:49	292.2	10	56	9.3	8.6	9.6	8.60	11.7	71.4	.51
1310.0	13:51	280.5	15	56	9.3	8.6	9.6	8.60	11.7	59.8	.58
1315.0	14: 9	724.0	17	45	9.3	8.6	9.5	8.60	11.7	71.3	.30
1320.0	14: 9	750.0	10	59	9.3	8.6	9.4	8.60	11.7	76.6	.34
133											
1325.0	14: 9	942.4	10	57	9.2	8.6	9.4	8.60	11.7	81.6	.28
1330.0	14:10	900.0	8	58	9.3	8.6	9.4	8.60	11.7	87.4	.28
1340.0	14:10	807.1	6	58	9.4	8.6	9.5	8.60	11.7	95.3	.28
1345.0	14:19	233.1	19	55	9.3	8.6	9.5	8.60	11.7	51.7	.65
1350.0	14:20	192.6	16	54	9.3	8.6	9.5	8.60	11.7	53.6	.66
1355.0	14:22	433.1	9	56	9.3	8.6	9.6	8.60	11.7	77.4	.42
1360.0	14:22	562.5	5	56	9.4	8.6	9.6	8.60	11.7	97.8	.32

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
144											
1370.0	14:25	312.1	13	58	9.3	8.6	9.7	8.60	11.8	63.1	.58
1375.0	14:41	246.6	18	51	9.3	8.6	9.7	8.60	11.8	57.3	.59
1380.0	14:43	146.4	16	60	9.3	8.6	9.6	8.60	11.8	51.8	.74
1385.0	14:47	154.4	17	61	9.3	8.6	9.5	8.60	11.8	48.7	.75
1390.0	14:49	406.7	12	62	9.3	8.6	9.4	8.60	11.8	63.8	.56
1400.0	14:51	157.3	12	62	9.3	8.6	9.5	8.60	11.8	56.0	.71
1410.0	15: 0	181.5	18	61	9.4	8.6	9.6	8.60	11.8	50.0	.73
1415.0	15: 2	178.4	19	68	9.3	8.6	9.6	8.60	11.8	48.7	.75
1420.0	15: 4	196.0	17	69	9.3	8.6	9.6	8.60	11.8	51.5	.73
1425.0	15: 5	245.9	10	77	9.4	8.6	9.7	8.60	11.8	67.4	.62
185											
1430.0	15: 6	292.1	16	77	9.3	8.6	9.6	8.60	11.8	57.2	.64
1435.0	15:17	171.6	16	61	9.3	8.6	9.7	8.60	11.8	54.2	.70
1440.0	15:19	234.0	18	57	9.4	8.6	9.6	8.60	11.8	52.2	.68
1445.0	15:19	477.6	12	57	9.4	8.6	9.6	8.60	11.9	69.5	.49
1450.0	15:21	146.4	12	58	9.4	8.6	9.6	8.60	11.9	58.6	.69
1455.0	15:23	199.2	13	59	9.4	8.6	9.6	8.60	11.9	59.0	.65
1460.0	15:24	292.6	23	58	9.4	8.6	9.6	8.60	11.9	51.3	.62
1465.0	15:25	169.0	16	58	9.4	8.6	9.6	8.60	11.9	53.9	.70
1470.0	16: 2	227.2	17	52	9.4	8.6	9.5	8.60	11.9	55.8	.62
1480.0	16: 5	189.3	14	59	9.5	8.6	9.5	8.60	11.9	56.3	.67
217											
1490.0	16: 7	238.0	18	59	9.4	8.6	9.6	8.60	11.9	52.6	.68
1495.0	16: 8	244.5	17	58	9.5	8.6	9.6	8.60	11.9	55.1	.66
1500.0	16:10	146.5	13	59	9.5	8.6	9.7	8.60	11.9	56.3	.70
1505.0	16:21	168.9	15	47	9.4	8.6	9.7	8.60	11.9	57.6	.64
1510.0	16:23	245.4	10	56	9.4	8.6	9.6	8.60	11.9	69.0	.57
1520.0	16:23	319.0	13	55	9.5	8.6	9.7	8.60	11.9	66.3	.52
1525.0	16:25	175.2	16	56	9.4	8.6	9.7	8.60	12.0	55.5	.68
1530.0	16:27	146.5	13	57	9.5	8.6	9.7	8.60	12.0	57.1	.69
1540.0	16:36	226.1	13	58	9.5	8.6	9.6	8.60	12.0	60.1	.63
1545.0	16:40	176.5	14	57	9.5	8.6	9.7	8.60	12.0	57.3	.67
254											
1550.0	16:42	157.4	15	58	9.5	8.6	9.7	8.60	12.0	55.4	.70
1555.0	16:44	167.3	16	59	9.5	8.6	9.6	8.60	12.0	52.8	.71
1560.0	16:45	513.5	21	57	9.5	8.6	9.7	8.60	12.0	56.8	.55
1570.0	17: 3	170.0	21	57	9.5	8.6	9.6	8.60	12.0	46.5	.74
1575.0	17: 6	170.8	12	59	9.5	8.6	9.6	8.60	12.0	58.4	.67
1580.0	17: 9	156.5	12	57	9.5	8.6	9.6	8.60	12.0	58.6	.67
1585.0	17:10	315.5	14	56	9.6	8.6	9.7	8.60	12.0	64.1	.53
1590.0	17:11	292.6	10	56	9.5	8.6	9.7	8.60	12.0	73.1	.50
1595.0	17:35	265.7	18	58	9.6	8.6	9.7	8.60	12.0	55.9	.61
1600.0	17:37	145.9	20	63	9.6	8.6	9.6	8.60	12.0	44.9	.79
289											
1605.0	17:39	149.2	14	62	9.5	8.6	9.7	8.60	12.0	54.0	.72
1610.0	17:41	147.7	13	60	9.5	8.6	9.7	8.60	12.1	57.8	.69
1615.0	17:43	147.4	13	57	9.5	8.6	9.7	8.60	12.1	57.1	.69
1625.0	18: 3	129.7	16	58	9.6	8.6	9.7	8.60	12.1	49.8	.76
1640.0	18:20	168.5	18	56	9.5	8.6	9.7	8.60	12.1	51.4	.71
1650.0	18:23	162.2	15	56	9.4	8.6	9.8	8.60	12.1	55.7	.69
1655.0	18:28	170.9	15	56	9.5	8.6	9.8	8.60	12.1	57.8	.67
1660.0	19:12	215.4	16	57	9.6	8.6	9.7	8.60	12.1	56.2	.64
1665.0	19:15	168.7	13	58	9.6	8.6	9.6	8.60	12.1	57.8	.67
1670.0	19:24	242.8	16	60	9.6	8.6	9.7	8.60	12.1	57.9	.62

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
	337										
1675.0	19:33	240.4	16	60	9.7	8.6	9.7	8.60	12.1	58.6	.62
1680.0	19:34	689.9	18	59	9.6	8.6	9.8	8.60	12.1	68.0	.38
1690.0	19:47	304.5	20	61	9.7	8.6	9.8	8.60	12.1	56.3	.60
1695.0	19:49	146.0	16	62	9.7	8.6	9.8	8.60	12.2	53.6	.73
1700.0	19:51	146.0	12	62	9.7	8.6	9.8	8.60	12.2	60.2	.69
1705.0	19:53	145.9	21	62	9.7	8.6	9.9	8.60	12.2	48.6	.77
1710.0	20: 0	227.7	16	62	9.7	8.6	9.9	8.60	12.2	58.4	.63
1720.0	20:15	273.7	15	61	9.6	8.6	9.8	8.60	12.2	61.4	.58
1725.0	20:17	164.4	12	59	9.7	8.6	9.8	8.60	12.2	60.7	.66
1730.0	20:19	169.0	12	61	9.7	8.6	9.8	8.60	12.2	60.6	.66
	378										
1735.0	20:21	146.1	12	62	9.7	8.6	9.8	8.60	12.2	59.3	.69
1740.0	20:26	200.0	10	63	9.7	8.6	9.8	8.60	12.2	69.0	.60
1745.0	20:56	222.5	13	63	9.7	8.6	9.8	8.60	12.2	63.1	.61
1750.0	20:58	146.1	16	61	9.6	8.6	9.7	8.60	12.2	52.4	.74
1755.0	21: 0	146.2	15	61	9.7	8.6	9.7	8.60	12.2	54.0	.72
1760.0	21: 3	149.7	13	63	9.7	8.6	9.7	8.60	12.2	58.6	.70
1765.0	21:13	172.2	16	62	9.7	8.6	9.8	8.60	12.2	54.7	.70
1770.0	21:20	164.3	16	62	9.7	8.6	9.8	8.60	12.2	54.5	.71
1775.0	21:21	309.7	16	64	9.7	8.6	9.8	8.60	12.2	61.8	.57
1780.0	21:21	400.9	17	64	9.6	8.6	9.8	8.60	12.2	64.1	.51
	418										
1790.0	21:23	323.6	19	64	9.7	8.6	9.9	8.60	12.3	59.0	.61
1795.0	21:28	165.9	22	64	9.6	8.6	9.9	8.60	12.3	48.2	.76
1800.0	21:30	150.6	19	64	9.4	8.6	9.9	8.60	12.3	50.4	.75
1805.0	21:32	146.2	14	64	9.7	8.6	9.9	8.60	12.3	56.4	.71
1810.0	21:34	146.0	16	63	9.6	8.6	9.9	8.60	12.3	54.4	.73
1815.0	21:40	177.6	15	62	9.7	8.6	10.1	8.60	12.3	60.3	.66
1820.0	21:56	242.7	18	61	9.7	8.6	9.8	8.60	12.3	56.2	.63
1825.0	21:58	172.4	18	59	9.7	8.6	9.8	8.60	12.3	51.8	.72
1830.0	22:12	222.3	20	60	9.7	8.6	9.8	8.60	12.3	51.8	.68
1840.0	22:12	391.5	21	62	9.7	8.6	9.8	8.60	12.3	58.9	.54
	461										
1845.0	22:13	352.2	13	61	9.7	8.6	9.9	8.60	12.3	68.6	.50
1850.0	22:14	292.1	13	63	9.7	8.6	9.9	8.60	12.3	66.2	.55
1855.0	22:15	292.6	18	62	9.7	8.6	9.9	8.60	12.3	59.7	.58
1860.0	22:16	292.1	30	63	9.8	8.6	9.9	8.60	12.3	48.9	.66
1865.0	22:17	239.6	32	63	9.7	8.6	10.0	8.60	12.3	45.2	.73
1870.0	22:19	146.2	21	64	9.6	8.6	10.0	8.60	12.3	48.7	.77
1875.0	22:30	179.8	29	62	9.5	8.6	9.9	8.60	12.3	44.0	.79
1880.0	22:31	292.6	31	63	9.5	8.6	9.9	8.60	12.4	46.8	.68
1885.0	22:32	292.6	27	61	9.5	8.6	9.9	8.60	12.4	50.7	.64
1890.0	22:33	292.1	24	62	9.5	8.6	9.9	8.60	12.4	53.1	.63
	478										
1895.0	22:34	292.6	32	63	9.5	8.6	9.9	8.60	12.4	46.9	.68
1900.0	22:35	261.2	30	62	9.5	8.6	9.9	8.60	12.4	46.6	.70
1905.0	22:37	193.5	24	65	9.5	8.6	9.9	8.60	12.4	46.0	.77
1910.0	22:50	166.3	30	64	9.5	8.6	9.8	8.60	12.4	39.5	.83
1915.0	22:52	146.2	36	62	9.4	8.6	9.7	8.60	12.4	35.3	.90
1920.0	22:54	146.1	36	63	9.4	8.6	9.7	8.60	12.4	34.3	.91
1925.0	22:56	146.2	28	63	9.4	8.6	9.7	8.60	12.4	39.2	.85
1940.0	23: 7	139.5	29	62	9.4	8.6	9.7	8.60	12.4	37.7	.87
1945.0	23: 8	353.0	48	61	9.4	8.6	9.7	8.60	12.4	37.6	.71
1950.0	23: 9	292.1	42	61	9.3	8.6	9.7	8.60	12.4	38.7	.74

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
510											
1955.0	23:10	292.1	36	62	9.3	8.6	9.7	8.60	12.4	41.6	.71
1960.0	23:11	292.1	34	63	9.3	8.6	9.7	8.60	12.4	43.1	.70
1965.0	23:12	187.6	43	64	9.3	8.6	9.7	8.60	12.4	32.5	.89
1970.0	23:14	146.2	36	63	9.3	8.6	9.7	8.60	12.4	34.3	.91
1975.0	23:28	166.2	40	63	9.3	8.5	9.6	8.60	12.4	31.7	.91
1980.0	23:30	146.1	37	61	9.3	8.5	9.5	8.60	12.5	31.6	.92
1985.0	23:32	146.2	41	63	9.3	8.5	9.5	8.60	12.5	29.3	.96
1990.0	23:34	146.2	39	63	9.3	8.5	9.5	8.60	12.5	29.8	.95
1995.0	23:36	181.7	34	63	9.3	8.5	9.5	8.60	12.5	34.5	.87
2000.0	23:39	107.5	34	63	9.3	8.5	9.5	8.60	12.5	29.0	1.00
545											
2005.0	23:55	188.5	37	63	9.5	8.6	9.5	8.60	12.5	34.7	.86
2010.0	23:57	146.2	37	64	9.5	8.5	9.6	8.60	12.5	32.2	.93
2015.0	23:59	146.3	35	64	9.6	8.6	9.6	8.60	12.5	34.0	.91
2020.0	0: 0	271.5	33	66	9.6	8.7	9.7	8.60	12.5	42.0	.73
2025.0	0: 1	292.6	30	67	9.6	8.6	9.7	8.60	12.5	45.0	.70
2030.0	0: 3	178.8	26	67	9.6	8.5	9.7	8.60	12.5	42.1	.81
2040.0	0:17	169.1	33	64	9.6	8.7	9.8	8.60	12.5	38.4	.85
2045.0	0:20	146.1	16	69	9.6	8.7	9.8	8.60	12.5	52.6	.76
2050.0	0:22	146.2	26	69	9.6	8.7	9.8	8.60	12.5	42.2	.85
2055.0	0:24	146.2	21	70	9.5	8.6	9.8	8.60	12.5	46.3	.81
585											
2060.0	0:25	271.9	15	71	9.5	8.7	9.8	8.60	12.5	59.0	.64
2065.0	0:26	215.7	18	71	9.5	8.7	9.8	8.60	12.5	54.5	.71
2070.0	0:41	276.4	26	44	9.5	8.8	9.7	8.60	12.5	55.8	.51
2075.0	0:42	291.6	33	71	9.5	8.7	9.7	8.60	12.5	42.6	.73
2080.0	0:43	344.1	32	72	9.5	8.8	9.7	8.60	12.6	45.3	.68
2090.0	0:44	457.2	23	72	9.5	8.7	9.7	8.60	12.6	55.1	.56
2100.0	0:45	377.7	23	73	9.5	8.8	9.7	8.60	12.6	53.1	.61
2105.0	0:46	296.0	23	72	9.5	8.7	9.8	8.60	12.6	50.6	.67
2110.0	0:48	178.6	23	72	9.5	8.8	9.8	8.60	12.6	44.9	.80
2115.0	1: 6	153.4	20	68	9.5	8.8	9.7	8.60	12.6	47.8	.78
604											
2120.0	1: 8	146.1	16	68	9.5	8.8	9.7	8.60	12.6	50.1	.77
2125.0	1:12	152.2	16	69	9.5	8.8	9.6	8.60	12.6	52.9	.75
2130.0	1:35	182.9	18	68	9.5	8.9	9.6	8.60	12.6	50.2	.74
2135.0	1:38	160.9	23	73	9.4	8.9	9.6	8.60	12.6	42.8	.83
2140.0	1:42	160.2	25	72	9.4	8.9	9.6	8.60	12.6	40.0	.85
2145.0	1:44	145.9	21	74	9.4	8.9	9.6	8.60	12.6	43.5	.84
2155.0	1:59	231.2	17	74	9.4	8.9	9.6	8.60	12.6	52.1	.71
2165.0	2: 0	145.9	18	68	9.4	8.9	9.6	8.60	12.6	47.4	.80
2170.0	2: 2	195.2	23	69	9.4	8.9	9.6	8.60	12.6	45.3	.77
2175.0	2: 6	154.0	27	68	9.4	8.9	9.6	8.60	12.6	39.2	.86
646											
2180.0	2:10	219.4	22	72	9.4	8.9	9.5	8.60	12.6	46.3	.76
2200.0	2:26	174.5	27	65	9.4	8.9	9.5	8.60	12.7	40.8	.83
2205.0	2:28	145.9	20	65	9.4	8.9	9.6	8.60	12.7	45.5	.81
2210.0	2:30	146.0	18	66	9.4	9.0	9.6	8.60	12.7	48.8	.78
2215.0	2:32	146.0	20	66	9.3	9.0	9.6	8.60	12.7	46.8	.80
2220.0	2:40	219.1	19	67	9.4	8.9	9.6	8.60	12.7	51.9	.70
2225.0	2:52	271.1	23	68	9.4	8.9	9.5	8.60	12.7	48.9	.69
2230.0	3: 0	244.7	24	69	9.4	8.8	9.5	8.60	12.7	45.7	.74
2235.0	3: 1	205.8	21	71	9.4	8.9	9.5	8.60	12.7	46.8	.76
2240.0	3: 3	178.4	18	71	9.4	8.9	9.5	8.60	12.7	48.5	.77
691											

DEPTH	TIME	ROP	MOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
691											
2245.0	3:13	298.5	19	72	9.4	8.9	9.5	8.60	12.7	53.8	.65
2250.0	3:13	145.7	21	70	9.4	8.8	9.5	8.60	12.7	43.9	.83
2255.0	3:13	146.4	18	70	9.4	8.8	9.6	8.60	12.7	47.2	.80
2260.0	3:16	146.0	17	71	9.4	8.9	9.6	8.60	12.7	49.4	.79
2265.0	3:20	188.4	21	71	9.2	8.9	9.6	8.60	12.7	47.3	.77
2270.0	3:21	195.3	21	71	9.2	8.9	9.6	8.60	12.7	45.9	.78
2275.0	3:23	145.9	21	71	9.2	8.9	9.5	8.60	12.7	44.1	.83
2280.0	3:25	146.0	25	71	9.2	8.9	9.5	8.60	12.7	40.2	.87
2290.0	3:40	143.2	25	72	9.2	8.9	9.4	8.60	12.8	37.9	.90
2295.0	3:42	146.0	24	72	9.3	8.9	9.4	8.60	12.8	39.1	.88
729											
2300.0	3:45	152.6	23	72	9.3	8.9	9.4	8.60	12.8	40.8	.86
2305.0	3:47	147.2	26	72	9.3	8.9	9.4	8.60	12.8	37.2	.90
2310.0	3:49	146.1	30	72	9.3	8.9	9.4	8.60	12.8	34.5	.93
2315.0	3:51	146.1	26	74	9.2	8.9	9.4	8.60	12.8	37.9	.90
2320.0	4: 3	163.6	27	66	9.3	8.9	9.4	8.60	12.8	39.2	.85
2325.0	4: 5	146.0	24	63	9.3	9.0	9.4	8.60	12.8	40.7	.85
2330.0	4: 7	145.9	23	63	9.3	9.0	9.4	8.60	12.8	41.6	.84
2335.0	4: 9	146.0	25	63	9.3	9.0	9.4	8.60	12.8	40.6	.85
2340.0	4:11	145.9	23	64	9.3	9.0	9.4	8.60	12.8	41.8	.84
2345.0	4:13	147.7	21	65	9.3	9.0	9.4	8.60	12.8	43.6	.82
778											
2350.0	4:29	229.0	25	62	9.3	9.0	9.4	8.60	12.8	45.7	.73
2355.0	4:31	146.1	25	61	9.3	8.9	9.4	8.60	12.8	40.9	.84
2360.0	4:33	146.0	26	63	9.3	8.9	9.4	8.60	12.8	39.2	.86
2365.0	4:35	146.0	25	64	9.3	8.9	9.4	8.60	12.8	40.2	.85
2370.0	4:37	146.1	25	64	9.3	9.0	9.4	8.60	12.8	40.4	.85
2375.0	4:50	141.7	24	76	9.3	9.0	9.5	8.60	12.8	39.4	.90
2380.0	4:51	183.2	25	85	9.3	9.0	9.5	8.60	12.8	39.9	.88
2385.0	4:52	280.0	23	86	9.3	9.0	9.5	8.60	12.8	44.1	.80
2390.0	4:55	145.9	33	91	9.3	8.9	9.5	8.60	12.8	31.2	1.01
2395.0	4:57	145.8	22	100	9.3	9.0	9.5	8.60	12.8	39.3	.94
820											
2400.0	4:59	145.9	27	98	9.3	9.0	9.5	8.60	12.9	35.2	.98
2405.0	5: 1	145.9	25	102	9.4	8.9	9.5	8.60	12.9	36.6	.97
2410.0	5: 3	161.2	24	98	9.4	8.8	9.5	8.60	12.9	38.9	.92
2415.0	5:12	188.6	25	88	9.3	8.9	9.5	8.60	12.9	40.8	.87
2420.0	5:15	145.9	23	90	9.3	9.0	9.5	8.60	12.9	39.1	.92
2425.0	5:17	145.9	21	91	9.3	9.0	9.5	8.60	12.9	40.9	.91
2430.0	5:19	146.0	21	92	9.1	9.0	9.5	8.60	12.9	41.1	.91
2435.0	5:21	146.0	22	92	9.2	8.9	9.5	8.60	12.9	39.6	.92
2440.0	5:23	146.0	23	92	9.2	9.1	9.5	8.60	12.9	39.0	.93
2445.0	5:25	145.9	21	92	9.2	9.1	9.5	8.60	12.9	40.6	.91
867											
2450.0	5:27	145.9	20	93	9.1	9.1	9.5	8.60	12.9	41.3	.91
2455.0	5:29	146.0	24	93	9.2	9.1	9.5	8.60	12.9	37.4	.95
2460.0	5:54	145.0	29	88	9.2	9.1	9.2	8.60	12.9	31.8	1.00
2465.0	6: 0	140.0	28	99	9.2	9.0	9.3	8.60	12.9	31.9	1.03
2470.0	6:13	154.6	28	99	9.2	8.9	9.3	8.60	12.9	33.2	.99
2475.0	6:15	154.9	25	101	9.1	9.1	9.3	8.60	12.9	35.2	.98
2480.0	6:17	146.2	30	99	9.3	9.1	9.3	8.60	12.9	31.2	1.03
2485.0	6:19	146.2	28	100	9.3	8.9	9.3	8.60	12.9	32.7	1.01
2490.0	6:22	146.1	29	100	9.2	8.9	9.3	8.60	12.9	32.2	1.02
2495.0	6:24	146.2	29	100	9.2	9.1	9.3	8.60	12.9	32.2	1.02

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
913											
2500.0	6:26	146.2	29	101	9.0	9.0	9.3	8.60	12.9	32.4	1.02
2505.0	6:28	130.6	26	102	9.2	9.1	9.4	8.60	12.9	32.9	1.03
2510.0	6:38	126.7	29	94	9.2	9.1	9.4	8.60	12.9	31.1	1.04
2515.0	6:41	124.2	26	83	9.2	9.1	9.4	8.60	13.0	34.1	.99
2520.0	6:43	122.5	29	82	9.1	9.1	9.4	8.60	13.0	32.4	1.01
2525.0	6:45	124.8	26	82	9.2	9.0	9.3	8.60	13.0	34.4	.98
2530.0	6:47	134.2	27	83	9.1	9.1	9.3	8.60	13.0	34.7	.97
2540.0	6:58	134.2	30	97	9.1	9.1	9.3	8.60	13.0	31.3	1.04
2545.0	7: 2	131.6	34	101	9.1	9.0	9.3	8.60	13.0	27.5	1.10
2550.0	7: 4	129.7	38	102	9.2	9.0	9.3	8.60	13.0	25.2	1.14
962											
2555.0	7: 8	127.7	37	100	9.1	9.0	9.3	8.60	13.0	25.8	1.13
2560.0	7:11	126.7	33	103	9.1	9.1	9.3	8.60	13.0	27.1	1.11
2565.0	7:13	123.4	38	101	9.2	9.1	9.3	8.60	13.0	24.5	1.15
2570.0	7:25	123.4	36	98	9.2	9.2	9.3	8.60	13.0	25.7	1.13
2575.0	7:27	124.5	34	90	9.2	9.1	9.3	8.60	13.0	27.8	1.08
2580.0	7:29	126.2	31	94	9.2	9.1	9.3	8.60	13.0	29.5	1.07
2585.0	7:31	126.2	33	93	9.1	9.1	9.3	8.60	13.0	28.3	1.08
2590.0	7:33	121.3	32	95	9.2	9.1	9.3	8.60	13.0	28.5	1.09
2595.0	7:35	101.7	32	95	9.2	9.1	9.3	8.60	13.0	27.1	1.13
2600.0	7:43	101.7	32	95	9.2	9.1	9.3	8.60	13.0	26.8	1.14
1010											
2605.0	7:59	107.9	33	102	9.2	9.1	9.3	8.60	13.0	25.9	1.15
2610.0	8: 1	107.9	32	103	9.2	9.1	9.3	8.60	13.0	26.4	1.15
2615.0	8: 4	102.8	34	100	9.2	9.1	9.3	8.60	13.0	25.1	1.17
2620.0	8: 7	99.5	36	100	9.2	9.1	9.3	8.60	13.0	24.0	1.19
2625.0	8: 9	99.5	33	100	9.2	9.2	9.3	8.60	13.0	25.6	1.16
2630.0	8:17	111.7	33	97	9.2	9.2	9.4	8.60	13.0	27.0	1.12
2635.0	8:19	111.7	36	83	9.2	9.2	9.4	8.60	13.1	27.5	1.09
2640.0	8:22	113.9	36	82	9.2	9.0	9.4	8.60	13.1	28.2	1.08
2645.0	8:24	115.4	34	82	9.2	9.0	9.4	8.60	13.1	29.3	1.06
2650.0	8:27	115.4	37	87	9.3	9.1	9.4	8.60	13.1	26.8	1.11
1059											
2655.0	8:30	106.7	34	90	9.3	9.0	9.4	8.60	13.1	27.5	1.12
2660.0	8:32	106.7	35	90	9.2	9.1	9.4	8.60	13.1	27.4	1.12
2665.0	8:45	98.2	29	95	9.2	9.1	9.4	8.60	13.1	29.2	1.11
2670.0	8:47	98.2	32	101	9.2	9.1	9.4	8.60	13.1	26.7	1.15
2675.0	8:49	102.7	31	101	9.2	9.2	9.4	8.60	13.1	27.8	1.13
2680.0	8:51	109.4	31	101	9.2	9.1	9.4	8.60	13.1	29.0	1.11
2685.0	8:59	109.4	33	102	9.2	9.0	9.4	8.60	13.1	27.1	1.14
2690.0	9: 1	104.7	37	103	9.2	9.0	9.4	8.60	13.1	24.1	1.19
2695.0	9: 3	104.7	44	99	9.3	9.0	9.4	8.60	13.1	21.1	1.24
2700.0	9:18	109.4	37	86	9.2	9.0	9.3	8.60	13.1	25.9	1.13
1109											
2705.0	9:20	109.4	35	97	9.2	8.9	9.3	8.60	13.1	26.1	1.14
2710.0	9:22	109.4	35	96	9.2	9.0	9.3	8.60	13.1	26.2	1.14
2715.0	9:24	109.0	33	96	9.3	9.0	9.4	8.60	13.1	27.1	1.13
2720.0	9:26	99.3	35	98	9.2	9.1	9.4	8.60	13.1	25.2	1.17
2725.0	9:28	129.1	33	99	9.2	9.1	9.4	8.60	13.1	29.3	1.08
2730.0	9:43	111.0	35	80	9.2	9.0	9.4	8.60	13.1	28.3	1.09
2735.0	9:45	123.5	32	81	9.1	9.0	9.4	8.60	13.1	31.0	1.03
2740.0	9:53	100.6	34	82	9.3	9.0	9.4	8.60	13.1	27.6	1.11
2745.0	9:56	90.3	37	83	9.3	9.0	9.4	8.60	13.1	24.8	1.17
2750.0	10: 2	82.5	36	83	9.3	9.0	9.4	8.60	13.1	24.7	1.18
1159											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1159											
2755.0	10: 3	105.4	34	84	9.2	9.1	9.5	8.60	13.2	28.6	1.10
2760.0	10:19	82.4	34	84	9.2	9.0	9.4	8.60	13.2	26.1	1.16
2765.0	10:22	81.4	35	96	9.3	8.9	9.4	8.60	13.2	24.0	1.22
2770.0	10:24	84.2	47	96	9.2	9.0	9.4	8.60	13.2	18.4	1.31
2775.0	10:26	78.5	45	97	9.2	8.9	9.4	8.60	13.2	18.4	1.32
2780.0	10:28	69.9	45	96	9.2	9.0	9.4	8.60	13.2	17.4	1.35
2785.0	10:31	69.9	42	98	9.2	9.0	9.4	8.60	13.2	18.3	1.34
2790.0	10:43	73.2	44	97	9.3	9.0	9.4	8.60	13.2	18.0	1.34
2795.0	10:45	73.2	43	97	9.2	9.1	9.4	8.60	13.2	18.8	1.32
2800.0	10:47	79.8	45	97	9.3	9.1	9.4	8.60	13.2	18.7	1.32
1207											
2805.0	10:50	89.7	43	98	9.2	8.9	9.4	8.60	13.2	20.9	1.27
2810.0	10:55	90.4	43	98	9.3	9.0	9.4	8.60	13.2	20.8	1.27
2815.0	10:57	93.2	44	99	9.2	8.9	9.4	8.60	13.2	20.6	1.27
2820.0	10:59	93.2	46	99	9.2	8.8	9.4	8.60	13.2	20.1	1.28
2825.0	11:18	117.0	43	99	9.3	9.0	9.4	8.60	13.2	23.0	1.21
2830.0	11:22	121.9	44	99	9.4	9.0	9.4	8.60	13.2	23.6	1.19
2835.0	11:24	99.1	41	100	9.4	9.0	9.4	8.60	13.2	22.4	1.24
2840.0	11:26	105.1	41	99	9.4	8.9	9.4	8.60	13.2	23.4	1.21
2845.0	11:28	118.7	46	99	9.4	9.0	9.4	8.60	13.2	22.6	1.21
2850.0	11:30	93.3	43	99	9.4	9.0	9.5	8.60	13.2	21.6	1.26
1255											
2855.0	11:32	96.2	41	100	9.4	9.0	9.5	8.60	13.2	23.0	1.23
2860.0	11:55	96.9	46	100	9.3	9.1	9.5	8.60	13.2	20.6	1.27
2865.0	12: 0	88.5	37	102	9.4	9.1	9.4	8.60	13.2	23.2	1.24
2870.0	12: 2	72.8	41	100	9.4	9.1	9.4	8.60	13.2	19.8	1.32
2875.0	12: 4	104.1	44	99	9.4	9.1	9.4	8.60	13.2	22.2	1.23
2880.0	12: 6	112.7	41	99	9.3	9.1	9.5	8.60	13.2	24.4	1.19
2885.0	12:31	115.5	38	99	9.3	9.1	9.5	8.60	13.3	26.2	1.15
2890.0	12:35	115.5	43	100	9.2	8.9	9.4	8.60	13.3	23.9	1.19
2895.0	12:39	110.1	43	101	9.0	8.8	9.4	8.60	13.3	22.4	1.23
2900.0	12:41	123.4	43	102	9.1	9.0	9.3	8.60	13.3	23.8	1.19
1304											
2905.0	12:43	115.2	40	102	9.1	9.0	9.3	8.60	13.3	24.3	1.19
2910.0	12:45	112.1	38	104	9.1	8.9	9.3	8.60	13.3	25.0	1.19
2915.0	13: 5	114.0	39	101	9.1	9.1	9.3	8.60	13.3	24.5	1.19
2920.0	13:11	83.2	41	101	9.1	9.1	9.2	8.60	13.3	19.5	1.31
2925.0	13:13	111.4	38	103	9.1	9.2	9.2	8.60	13.3	23.6	1.21
2930.0	13:15	97.2	39	102	9.2	9.1	9.2	8.60	13.3	22.0	1.26
2935.0	13:17	123.6	45	101	9.0	9.1	9.2	8.60	13.3	21.8	1.22
2940.0	13:20	97.1	43	102	9.1	9.1	9.2	8.60	13.3	20.4	1.28
2945.0	13:30	102.1	39	104	9.1	9.1	9.3	8.60	13.3	22.8	1.24
2950.0	13:54	100.8	40	100	9.0	9.1	9.1	8.60	13.3	21.4	1.26
1353											
2955.0	13:56	100.4	39	101	9.0	9.1	9.1	8.60	13.3	21.5	1.26
2960.0	13:58	125.2	45	101	9.0	9.0	9.1	8.60	13.3	21.5	1.23
2965.0	14: 0	97.1	42	102	9.0	9.0	9.1	8.60	13.3	19.9	1.29
2970.0	14: 2	141.5	40	103	9.0	9.0	9.1	8.60	13.3	24.8	1.16
2975.0	14:12	164.7	39	103	9.1	9.0	9.1	8.60	13.3	27.4	1.10
2980.0	14:32	172.2	42	95	9.1	9.0	9.2	8.60	13.3	27.6	1.07
2985.0	14:47	152.1	40	97	9.1	9.0	9.2	8.60	13.3	26.7	1.11
2990.0	14:49	78.3	39	96	9.1	9.0	9.2	8.60	13.3	19.9	1.32
2995.0	14:51	57.3	37	97	9.0	9.0	9.2	8.60	13.3	18.1	1.38
3000.0	14:53	58.0	40	96	9.1	9.0	9.2	8.60	13.3	17.2	1.39
1403											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	F6	PDR	DEXP
1403											
3005.0	14:55	112.8	38	98	9.1	9.0	9.2	8.60	13.3	24.1	1.20
3010.0	15:13	75.7	42	98	9.1	9.0	9.2	8.60	13.3	17.5	1.37
3015.0	15:19	58.7	47	100	9.0	9.0	9.1	8.60	13.4	12.9	1.48
3020.0	15:21	58.9	52	98	9.0	8.9	9.1	8.60	13.4	11.3	1.52
3030.0	0: 3	84.0	21	97	9.3	9.4	9.4	8.60	13.4	26.3	1.17
3035.0	0: 9	53.0	26	98	9.3	9.4	9.4	8.60	13.4	17.2	1.38
3040.0	0:15	45.2	27	98	9.3	9.4	9.4	8.60	13.4	14.8	1.44
3045.0	0:16	262.0	43	141	9.3	9.4	9.4	8.60	13.4	21.4	1.18
3050.0	0:19	146.4	46	150	9.3	9.4	9.4	8.60	13.4	13.8	1.42
3055.0	0:20	163.4	47	157	9.3	9.4	9.4	8.60	13.4	14.4	1.41
1432											
3060.0	0:22	205.7	47	159	9.3	9.4	9.5	8.60	13.4	16.8	1.33
3070.0	0:27	107.4	40	159	9.3	9.4	9.5	8.60	13.4	13.4	1.48
3080.0	0:31	165.9	46	136	9.3	9.4	9.5	8.60	13.4	16.8	1.33
3090.0	0:36	129.0	46	146	9.3	9.4	9.5	8.60	13.4	13.8	1.44
3100.0	0: 1	581.5	58	122	9.3	9.4	9.4	8.60	13.4	26.1	.95
3120.0	0: 3	462.0	44	145	9.3	9.4	9.5	8.60	13.4	27.5	.99
3140.0	0:15	124.7	42	145	9.3	9.4	9.5	8.60	13.4	15.1	1.42
3150.0	0:21	111.4	40	145	9.3	9.4	9.5	8.60	13.5	15.4	1.42
3155.0	0:24	109.4	41	146	9.3	9.4	9.5	8.60	13.5	13.9	1.46
3160.0	0:26	192.0	41	146	9.3	9.4	9.5	8.60	13.5	20.3	1.26
1444											
3165.0	0:28	143.4	41	146	9.3	20.7	9.5	8.60	13.5	17.4	1.36
3170.0	0:30	140.5	45	143	9.3	9.4	9.5	8.60	13.5	15.7	1.39
3175.0	0:33	99.9	43	152	9.3	9.4	9.5	8.60	13.5	12.5	1.51
3180.0	0:34	200.0	44	152	9.3	9.4	9.5	8.60	13.5	19.3	1.29
3195.0	0:41	130.2	44	153	9.3	9.4	9.5	8.60	13.5	14.8	1.44
3200.0	0:44	100.3	45	151	9.3	9.4	9.5	8.60	13.5	11.9	1.53
3220.0	0:53	123.7	46	150	9.3	9.4	9.5	8.60	13.5	13.7	1.47
3230.0	1: 1	79.5	47	143	9.3	9.4	9.5	8.60	13.5	8.8	1.62
3240.0	1: 6	120.2	47	146	9.4	9.4	9.5	8.60	13.5	13.3	1.48
3245.0	1: 8	167.0	44	152	9.4	9.4	9.5	8.60	13.5	18.1	1.34
1461											
3250.0	1:10	138.0	49	145	9.4	9.4	9.6	8.60	13.5	14.6	1.44
3270.0	1:13	387.1	45	158	9.4	9.4	9.6	8.60	13.5	22.0	1.22
3275.0	1:15	193.0	43	177	9.4	9.4	9.6	8.60	13.5	19.4	1.33
3285.0	1:19	125.2	43	178	9.4	9.4	9.7	8.60	13.5	15.6	1.46
3300.0	1:24	217.9	43	180	9.4	9.4	9.7	8.60	13.6	21.2	1.29
3310.0	1:29	117.5	45	169	9.4	9.4	9.7	8.60	13.6	14.8	1.48
3315.0	1:30	279.0	45	170	9.4	9.4	9.7	8.60	13.6	23.7	1.20
3320.0	1:32	119.7	46	171	9.4	9.4	9.7	8.60	13.6	14.3	1.50
3325.0	1:35	114.5	47	170	9.4	9.4	9.6	8.60	13.6	13.2	1.53
3330.0	1:37	124.7	46	171	9.4	9.4	9.6	8.60	13.6	14.7	1.48
1472											
3335.0	1:40	130.7	47	165	9.4	9.4	9.6	8.60	13.6	14.8	1.47
3340.0	1:41	266.7	48	164	9.4	9.4	9.6	8.60	13.6	21.9	1.23
3345.0	1:44	96.5	48	162	9.4	9.4	9.6	8.60	13.6	11.3	1.58
3360.0	1:49	161.9	49	162	9.4	9.4	9.6	8.60	13.6	16.6	1.41
3370.0	1:54	126.4	49	159	9.4	9.4	9.6	8.60	13.6	14.1	1.49
3375.0	1:56	174.4	56	152	9.4	9.4	9.6	8.60	13.6	15.8	1.43
3380.0	1:58	142.5	49	161	9.4	9.4	9.6	8.60	13.6	15.4	1.45
3390.0	2: 1	168.3	49	163	9.4	9.4	9.6	8.60	13.6	16.8	1.40
3400.0	2: 5	161.4	48	162	9.4	9.4	9.6	8.60	13.6	17.1	1.40
3415.0	2:12	120.0	50	163	9.4	9.4	9.6	8.60	13.6	10.9	1.61
1484											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	F6	PDR	DEXP
1484											
3420.0	2:13	228.7	49	183	9.4	9.4	9.7	8.60	13.6	19.6	1.34
3425.0	2:15	198.7	49	183	9.4	9.4	9.7	8.60	13.6	18.3	1.38
3430.0	2:17	140.0	50	184	9.4	9.4	9.7	8.60	13.6	14.5	1.51
3435.0	2:19	144.7	58	158	9.4	9.4	9.7	8.60	13.6	14.2	1.51
3440.0	2:21	145.7	51	183	9.4	9.4	9.6	8.60	13.6	14.6	1.51
3445.0	2:23	146.7	51	184	9.4	9.4	9.6	8.60	13.7	14.6	1.51
3450.0	2:25	175.0	51	183	9.4	9.4	9.6	8.60	13.7	16.5	1.44
3455.0	2:26	190.2	51	172	9.4	9.4	9.6	8.60	13.7	17.6	1.39
3460.0	2:28	192.5	50	173	9.4	9.4	9.7	8.60	13.7	18.0	1.39
3470.0	2:31	170.7	51	171	9.4	9.4	9.7	8.60	13.7	16.7	1.43
1496											
3480.0	2:35	170.9	50	182	9.4	9.4	9.7	8.60	13.7	17.0	1.44
3490.0	2:39	141.4	50	182	9.4	9.4	9.7	8.60	13.7	15.2	1.50
3500.0	2:43	150.2	51	174	9.4	9.4	9.7	8.60	13.7	15.6	1.48
3505.0	2:45	136.5	49	171	9.4	9.4	9.7	8.60	13.7	15.5	1.48
3510.0	2:47	194.0	49	173	9.4	9.4	9.7	8.60	13.7	19.0	1.37
3515.0	2:49	170.0	49	171	9.4	9.4	9.7	8.60	13.7	17.9	1.40
3520.0	2:50	221.2	48	173	9.4	9.4	9.7	8.60	13.7	20.7	1.31
3540.0	2:56	171.4	45	177	9.4	9.4	9.7	8.60	13.7	18.7	1.40
3555.0	3: 1	174.0	41	183	9.4	9.4	9.7	8.60	13.7	21.1	1.34
3560.0	3: 4	131.2	41	184	9.4	9.4	9.7	8.60	13.7	18.2	1.44
1507											
3565.0	3: 5	190.0	42	172	9.4	9.4	9.7	8.60	13.7	22.2	1.30
3570.0	3: 7	154.9	43	175	9.3	32.0	9.7	8.60	13.7	19.5	1.39
3580.0	3:10	206.0	41	177	9.3	9.4	9.7	8.60	13.7	23.2	1.28
3600.0	0: 1	190.4	41	165	9.2	9.4	9.5	8.60	13.7	21.2	1.31
3620.0	0: 8	172.5	41	160	9.2	9.4	9.4	8.60	13.8	20.2	1.34
3640.0	0:17	129.6	43	178	9.1	9.4	9.4	8.60	13.8	16.0	1.50
3660.0	0:24	166.9	43	167	9.1	9.4	9.4	8.60	13.8	18.9	1.39
3665.0	0:26	144.7	43	169	9.1	9.4	9.4	8.60	13.8	17.5	1.44
3670.0	0:28	231.4	43	169	9.1	9.4	9.4	8.60	13.8	22.3	1.28
3680.0	0:30	241.0	43	170	9.1	9.4	9.4	8.60	13.8	22.6	1.27
1519											
3700.0	0:38	154.6	44	163	9.1	9.4	9.4	8.60	13.8	17.9	1.42
3710.0	0:43	113.6	45	161	9.1	9.4	9.4	8.60	13.8	14.5	1.54
3715.0	0:45	131.5	42	162	9.1	9.4	9.4	8.60	13.8	17.2	1.46
3720.0	0:48	107.9	43	156	9.1	9.4	9.4	8.60	13.8	15.0	1.53
3740.0	0:56	152.1	44	167	9.1	9.4	9.3	8.60	13.8	17.8	1.44
3750.0	1: 0	136.2	44	163	9.1	9.4	9.3	8.60	13.8	16.7	1.47
3755.0	1: 2	154.0	45	164	9.1	9.4	9.3	8.60	13.8	17.7	1.44
3760.0	1: 4	178.0	44	164	9.1	9.4	9.3	8.60	13.8	19.6	1.38
3770.0	1: 7	182.9	46	158	9.1	9.4	9.3	8.60	13.9	19.5	1.37
3780.0	1:11	156.9	45	164	9.1	9.4	9.4	8.60	13.9	18.0	1.43
1533											
3800.0	1:21	119.7	34	124	9.1	9.4	9.3	8.60	13.9	22.9	1.31
3805.0	1:25	92.9	33	128	9.1	9.4	9.3	8.60	13.9	20.4	1.39
3815.0	1:29	138.1	27	132	9.1	9.4	9.3	8.60	13.9	28.0	1.21
3820.0	1:31	153.2	38	136	9.1	9.4	9.3	8.60	13.9	22.8	1.30
3830.0	1:33	225.4	36	134	9.1	9.4	9.3	8.60	13.9	27.4	1.16
3855.0	2: 6	44.4	18	153	9.1	9.4	9.3	8.60	13.9	24.0	1.44
3860.0	2:17	27.7	12	129	9.1	9.1	9.3	8.60	13.9	28.6	1.38
3865.0	2:26	34.7	13	142	9.1	9.4	9.3	8.60	13.9	28.8	1.37
3875.0	2:45	30.5	32	130	9.1	9.4	9.3	8.60	13.9	10.2	1.75
3880.0	2:57	24.7	39	139	9.1	9.4	9.2	8.60	13.9	4.4	1.94
1546											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	F6	PDR	DEXP
1546											
3884.5	3:31	8.0	30	130	9.1	9.4	9.2	8.60	13.9	.0	2.14

NEW BIT ID:						4					

3885.0	0:56	46.7	42	113	8.8	9.4	8.9	8.60	13.9	6.9	1.76
3890.0	0:59	33.2	44	111	8.9	9.4	8.9	8.60	13.9	2.8	1.91
3900.0	1:12	65.3	44	111	8.8	9.4	8.9	8.60	13.9	9.1	1.68
3905.0	1:19	36.1	37	126	8.9	9.4	9.0	8.60	13.9	6.4	1.82
3910.0	1:24	90.7	36	134	8.9	9.4	9.0	8.60	13.9	13.9	1.57
3920.0	1:33	76.6	38	139	8.9	9.4	9.0	8.60	13.9	12.2	1.62
3930.0	1:43	58.8	38	140	8.9	9.4	9.0	8.60	13.9	9.7	1.72
3940.0	2: 0	87.2	33	127	8.9	9.4	9.1	8.60	14.0	16.7	1.50
3950.0	2:16	69.4	39	127	8.9	9.4	9.1	8.60	14.0	11.1	1.66
1578											
3955.0	2:23	48.6	33	133	8.9	9.4	9.0	8.60	14.0	12.0	1.66
3960.0	2:28	92.0	37	138	8.9	9.4	9.0	8.60	14.0	14.9	1.56
3980.0	3: 0	71.0	40	134	9.0	9.4	9.1	8.60	14.0	10.9	1.68
3985.0	3: 9	53.1	28	135	9.3	9.3	9.3	8.60	14.0	15.0	1.60
3990.0	3:18	33.4	28	135	9.2	9.3	9.3	8.60	14.0	13.0	1.67
3995.0	3:41	113.8	27	127	9.2	9.3	9.3	8.60	14.0	26.5	1.26
4000.0	3:46	48.1	33	143	9.2	9.5	9.3	8.60	14.0	12.6	1.67
4005.0	3:50	75.7	38	141	9.3	9.5	9.3	8.60	14.0	15.8	1.55
4010.0	3:57	41.7	31	142	9.3	9.4	9.3	8.60	14.0	12.3	1.69
4015.0	4: 3	45.9	30	143	9.3	9.4	9.3	8.60	14.1	14.4	1.63
1608											
4020.0	4: 8	63.2	30	144	9.3	9.4	9.4	8.60	14.1	18.0	1.52
4030.0	4:28	67.3	32	144	9.3	9.4	9.4	8.60	14.1	18.2	1.51
4040.0	4:40	110.7	32	149	9.3	9.4	9.4	8.60	14.1	20.6	1.43
4045.0	4:41	85.5	28	149	9.4	9.3	9.5	8.60	14.1	23.0	1.38
4050.0	4:43	140.3	29	148	9.4	9.3	9.5	8.60	14.1	26.9	1.25
4055.0	4:46	87.8	29	148	9.2	9.3	9.5	8.60	14.1	22.7	1.39
4060.0	4:52	94.0	31	148	9.3	9.3	9.5	8.60	14.1	21.8	1.41
4065.0	5:12	60.4	28	145	9.4	9.3	9.5	8.60	14.1	18.9	1.51
4070.0	5:14	134.5	28	145	9.4	9.4	9.5	8.60	14.1	27.0	1.26
4080.0	5:21	118.2	29	145	9.4	9.5	9.5	8.60	14.1	23.8	1.35
1646											
4090.0	5:40	105.6	30	135	9.4	9.4	9.5	8.60	14.1	25.3	1.30
4100.0	5:46	102.5	33	142	9.3	9.4	9.5	8.60	14.1	22.8	1.37
4105.0	5:50	78.7	32	143	9.3	9.4	9.5	8.60	14.1	20.5	1.45
4110.0	5:53	118.9	32	144	9.5	9.4	9.5	8.60	14.1	24.9	1.31
4115.0	5:56	97.7	33	145	9.5	9.4	9.5	8.60	14.1	21.7	1.41
4120.0	5:58	99.2	33	145	9.4	9.4	9.5	8.60	14.1	22.5	1.38
4135.0	6:15	84.6	34	136	9.4	9.4	9.6	8.60	14.1	20.7	1.44
4140.0	6:18	115.6	36	141	9.4	9.4	9.6	8.60	14.1	23.1	1.36
4150.0	6:25	109.6	34	142	9.4	9.4	9.6	8.60	14.1	22.6	1.38
4160.0	6:41	133.8	35	144	9.4	9.4	9.6	8.60	14.2	24.1	1.34
1681											
4165.0	6:43	135.1	35	146	9.5	9.4	9.6	8.60	14.2	25.2	1.31
4170.0	6:46	108.3	35	146	9.5	9.4	9.6	8.60	14.2	23.4	1.37
4180.0	6:54	77.0	33	146	9.4	9.4	9.6	8.60	14.2	20.3	1.47
4190.0	7:10	112.4	33	142	9.3	9.4	9.6	8.60	14.2	24.5	1.34
4195.0	7:13	108.7	32	142	9.1	9.4	9.6	8.60	14.2	24.4	1.34
4200.0	7:16	114.2	34	143	9.2	9.4	9.5	8.60	14.2	22.7	1.39
4205.0	7:20	87.2	36	144	9.2	9.3	9.5	8.60	14.2	19.7	1.48

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1710											
4210.0	7:22	139.5	38	144	9.3	9.4	9.5	8.60	14.2	22.2	1.38
4215.0	7:34	110.9	39	129	9.4	9.4	9.5	8.60	14.2	20.9	1.41
4220.0	7:37	84.6	39	141	9.5	9.3	9.5	8.60	14.2	18.4	1.51
4225.0	7:40	105.2	38	142	9.5	9.4	9.5	8.60	14.2	20.5	1.44
4230.0	7:43	97.7	38	143	9.5	9.4	9.5	8.60	14.2	20.4	1.45
4235.0	7:46	85.3	37	143	9.5	9.4	9.6	8.60	14.2	20.0	1.47
4240.0	7:50	91.2	37	144	9.5	9.4	9.6	8.60	14.2	20.9	1.45
4250.0	8:18	135.7	39	140	9.5	9.4	9.6	8.60	14.2	23.0	1.36
4255.0	8:21	82.7	37	142	9.5	9.5	9.6	8.60	14.2	19.2	1.50
4260.0	8:24	79.5	37	143	9.5	9.5	9.6	8.60	14.2	19.6	1.49
1745											
4265.0	8:27	86.9	37	144	9.5	9.4	9.6	8.60	14.2	21.0	1.45
4270.0	8:30	132.8	36	144	9.4	9.4	9.7	8.60	14.2	23.6	1.37
4275.0	8:41	139.7	38	140	9.3	9.4	9.6	8.60	14.2	19.6	1.48
4280.0	8:45	85.7	39	146	9.2	9.4	9.6	8.60	14.2	18.8	1.51
4285.0	8:47	112.1	38	147	9.2	9.3	9.5	8.60	14.2	22.2	1.40
4290.0	8:50	116.1	38	144	9.2	9.4	9.5	8.60	14.2	22.0	1.41
4295.0	8:53	101.7	37	144	9.3	9.3	9.5	8.60	14.2	21.2	1.44
4300.0	8:56	107.0	36	144	9.3	9.3	9.5	8.60	14.2	21.7	1.42
4310.0	9:10	130.8	37	140	9.3	9.3	9.5	8.60	14.2	23.4	1.36
4320.0	9:17	97.4	38	137	9.1	9.3	9.4	8.60	14.2	19.9	1.47
1787											
4330.0	9:24	94.7	37	138	9.0	9.3	9.4	8.60	14.2	20.0	1.47
4335.0	9:26	114.7	36	139	9.0	9.3	9.3	8.60	14.2	22.1	1.40
4340.0	9:42	133.9	37	139	9.0	9.3	9.3	8.60	14.2	22.0	1.40
4345.0	9:43	213.5	42	125	9.1	9.4	9.2	8.60	14.3	24.8	1.26
4350.0	9:48	68.2	39	135	9.1	9.3	9.2	8.60	14.3	15.1	1.63
4355.0	9:51	94.2	38	142	9.1	9.3	9.2	8.60	14.3	18.4	1.53
4360.0	9:55	81.8	37	142	9.1	9.2	9.2	8.60	14.3	17.8	1.55
4370.0	10: 1	112.1	37	143	9.1	9.2	9.2	8.60	14.3	21.2	1.44
4380.0	10:20	120.0	36	139	9.1	9.3	9.3	8.60	14.3	23.1	1.38
4385.0	10:23	109.3	39	137	9.1	9.4	9.3	8.60	14.3	20.4	1.46
1823											
4390.0	10:25	65.6	38	139	9.1	9.4	9.3	8.60	14.3	16.0	1.62
4395.0	10:29	105.2	37	139	9.1	9.5	9.3	8.60	14.3	19.6	1.50
4400.0	10:33	77.5	37	140	9.1	9.5	9.3	8.60	14.3	18.6	1.54
4405.0	10:35	122.5	37	141	9.1	9.6	9.3	8.60	14.3	22.2	1.41
4410.0	10:49	76.5	39	135	9.1	9.5	9.3	8.60	14.3	17.9	1.55
4415.0	10:52	97.9	36	136	9.1	9.4	9.3	8.60	14.3	21.8	1.43
4420.0	10:55	76.7	35	141	9.1	9.4	9.3	8.60	14.3	19.0	1.54
4425.0	11: 0	91.5	34	143	9.1	9.4	9.3	8.60	14.3	20.7	1.48
4430.0	11: 4	77.9	33	144	9.1	9.4	9.3	8.60	14.3	19.7	1.52
4435.0	11:21	93.8	37	134	9.1	9.4	9.3	8.60	14.3	19.2	1.52
1852											
4440.0	11:24	102.8	36	138	9.1	9.5	9.3	8.60	14.3	21.5	1.45
4445.0	11:27	135.3	37	138	9.1	9.4	9.3	8.60	14.3	24.0	1.36
4450.0	11:32	85.5	39	139	9.1	9.4	9.3	8.60	14.3	17.9	1.57
4455.0	11:35	93.1	36	139	9.1	9.5	9.3	8.60	14.3	21.0	1.48
4460.0	11:38	85.3	37	139	9.1	9.5	9.3	8.60	14.3	20.0	1.51
4465.0	12:19	92.3	38	139	9.1	9.4	9.3	8.60	14.3	19.5	1.52
4470.0	12:20	118.9	34	115	9.1	9.4	9.2	8.60	14.3	25.4	1.31
4475.0	12:22	145.9	32	115	9.1	9.4	9.2	8.60	14.3	28.8	1.22
4480.0	12:24	186.2	40	130	9.1	9.4	9.2	8.60	14.3	25.3	1.30
4485.0	12:26	156.6	40	176	9.1	9.4	9.2	8.60	14.3	22.7	1.43
1892											

DEPTH ²²⁰⁰	TIME	ROP	WOB	RPM	MDI	MDO	ECD	FP	FG	PDR	DEXP
5580.0	9:20	111.1	34	115	9.3	9.6	9.4	8.60	14.9	29.8	1.33
5585.0	9:26	46.5	29	99	9.3	9.6	9.4	8.60	14.9	26.1	1.47
5590.0	9:28	124.6	29	99	9.3	9.6	9.5	8.60	14.9	35.4	1.16
5600.0	9:34	96.1	30	99	9.2	9.6	9.5	8.60	14.9	32.6	1.25
5610.0	9:52	100.7	30	103	9.3	9.6	9.4	8.60	14.9	30.8	1.31
5615.0	9:56	86.1	29	107	9.3	9.6	9.4	8.60	14.9	31.4	1.30
5620.0	9:59	88.7	28	108	9.3	9.6	9.4	8.60	14.9	32.2	1.28
5625.0	10: 3	91.1	29	109	9.4	9.6	9.4	8.60	14.9	31.5	1.30
5630.0	10: 7	71.9	29	109	9.5	9.6	9.4	8.60	14.9	29.7	1.36
5640.0	10:20	108.4	30	105	9.4	9.6	9.5	8.60	14.9	33.6	1.23
2226											
5650.0	10:26	94.9	30	111	9.2	9.5	9.5	8.60	14.9	32.0	1.29
5655.0	10:29	111.1	37	156	9.5	9.5	9.6	8.60	14.9	28.6	1.42
5660.0	10:31	147.0	39	158	9.5	9.4	9.6	8.60	14.9	30.5	1.35
5670.0	10:42	98.1	42	157	9.5	9.5	9.6	8.60	14.9	25.8	1.51
5675.0	10:45	82.3	43	160	9.4	9.5	9.6	8.60	14.9	23.6	1.59
5680.0	10:47	121.8	41	162	9.4	9.5	9.6	8.60	14.9	28.2	1.43
5685.0	10:50	135.1	41	162	9.4	9.6	9.6	8.60	14.9	28.8	1.40
5690.0	10:52	138.5	42	162	9.4	9.7	9.6	8.60	14.9	28.1	1.43
5695.0	11: 2	144.8	39	153	9.4	9.9	9.6	8.60	14.9	29.6	1.38
5710.0	11: 9	86.4	43	168	9.4	9.7	9.7	8.60	14.9	23.9	1.59
2258											
5720.0	11:13	84.3	42	169	9.4	9.6	9.7	8.60	14.9	24.3	1.58
5725.0	11:25	66.5	42	161	9.4	9.7	9.6	8.60	14.9	22.1	1.66
5730.0	11:26	106.7	44	163	9.4	9.6	9.6	8.60	14.9	25.9	1.51
5740.0	11:32	104.1	43	161	9.4	9.6	9.6	8.60	14.9	26.0	1.51
5745.0	11:35	140.4	42	151	9.4	9.6	9.6	8.60	15.0	27.0	1.47
5750.0	11:38	75.1	41	149	9.4	9.5	9.6	8.60	15.0	24.2	1.58
5760.0	11:45	95.7	42	149	9.4	9.6	9.6	8.60	15.0	25.5	1.53
5770.0	12: 3	85.5	44	150	9.4	9.5	9.6	8.60	15.0	23.2	1.61
5775.0	12: 6	69.4	42	152	9.4	9.5	9.6	8.60	15.0	23.2	1.62
5780.0	12: 9	78.0	42	150	9.4	9.5	9.6	8.60	15.0	24.4	1.57
2289											
5785.0	12:10	113.2	41	150	9.4	9.5	9.6	8.60	15.0	28.0	1.44
5790.0	12:21	83.5	44	135	9.4	9.6	9.6	8.60	15.0	24.9	1.54
5795.0	12:25	91.9	44	135	9.4	9.5	9.6	8.60	15.0	24.7	1.55
5800.0	12:30	51.2	43	138	9.4	9.6	9.6	8.60	15.0	20.8	1.70
5805.0	12:34	82.1	44	137	9.4	9.7	9.6	8.60	15.0	24.8	1.55
5810.0	12:38	78.6	43	139	9.4	9.7	9.6	8.60	15.0	24.7	1.56
5815.0	12:40	117.4	37	141	9.4	9.7	9.6	8.60	15.0	30.3	1.37
5820.0	12:53	63.9	36	136	9.4	9.7	9.6	8.60	15.0	25.7	1.54
5825.0	12:57	78.0	33	138	9.4	9.7	9.6	8.60	15.0	28.7	1.45
5830.0	13: 1	86.5	32	139	9.4	9.6	9.6	8.60	15.0	28.2	1.47
2316											
5835.0	13: 5	113.8	32	140	9.4	9.6	9.6	8.60	15.0	31.9	1.34
5840.0	13:11	61.0	32	141	9.5	9.6	9.6	8.60	15.0	27.0	1.52
5845.0	13:15	69.2	33	139	9.5	9.8	9.6	8.60	15.0	27.8	1.48
5850.0	13:27	77.5	33	139	9.5	9.8	9.6	8.60	15.0	28.7	1.45
5860.0	13:34	87.9	34	137	9.6	9.7	9.7	8.60	15.0	30.0	1.40
5870.0	13:43	59.3	34	144	9.7	9.8	9.7	8.60	15.0	26.8	1.52
5875.0	13:46	121.8	37	144	9.8	9.8	9.8	8.60	15.0	31.2	1.36
5880.0	14: 0	78.1	37	144	9.8	9.9	9.9	8.60	15.0	28.4	1.46
5885.0	14: 1	191.1	39	144	9.8	9.9	9.9	8.60	15.0	35.6	1.19
5890.0	14: 5	118.6	38	145	9.9	9.8	10.0	8.60	15.0	28.9	1.44
2348											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	FP	FG	PDR	DEXP
2348											
5895.0	14: 8	119.1	37	146	9.9	9.7	10.0	8.60	15.0	30.9	1.37
5900.0	14:12	97.4	34	147	9.9	9.6	10.0	8.60	15.0	29.4	1.44
5905.0	14:14	197.4	37	148	9.9	9.6	10.0	8.60	15.0	37.1	1.16
5910.0	14:16	82.2	37	148	9.9	9.6	10.0	8.60	15.0	29.6	1.42
5920.0	14:29	108.9	38	146	9.9	9.9	10.1	8.60	15.0	31.2	1.36
5925.0	14:35	73.2	39	150	9.9	9.8	10.1	8.60	15.0	26.6	1.53
5930.0	14:40	52.9	38	150	9.9	9.7	10.1	8.60	15.0	25.8	1.57
5940.0	14:52	65.0	37	152	10.0	9.8	10.1	8.60	15.0	27.0	1.53
5945.0	15: 8	63.1	38	143	10.0	9.8	10.1	8.60	15.0	27.3	1.51
5950.0	15:12	84.5	38	143	10.0	9.9	10.1	8.60	15.0	29.1	1.44
2389											
5960.0	2: 7	90.6	46	124	10.2	9.8	10.3	8.60	15.1	29.2	1.42
5965.0	2:11	86.9	49	104	10.4	9.8	10.6	8.60	15.1	29.4	1.38
5990.0	2:36	87.6	40	104	10.2	10.4	10.5	8.60	15.1	32.9	1.28
5995.0	2:40	67.7	38	105	10.2	10.5	10.4	8.60	15.1	31.7	1.33
6000.0	2:45	74.9	35	107	10.2	10.5	10.4	8.60	15.1	33.0	1.31
6015.0	3: 8	62.7	29	106	10.2	10.5	10.3	8.60	15.1	34.0	1.30
6020.0	3:12	62.6	26	108	10.2	10.5	10.3	8.60	15.1	36.1	1.25
6025.0	3:22	40.9	25	109	10.2	10.6	10.3	8.60	15.1	33.5	1.34
6030.0	3:25	86.9	27	109	10.2	10.6	10.3	8.60	15.1	38.1	1.19
6035.0	3:29	61.8	26	109	10.2	10.6	10.3	8.60	15.1	36.5	1.25
6050.0	4:21	64.8	24	106	10.2	10.7	10.3	8.60	15.1	37.2	1.23
6060.0	4: 6	49.1	22	105	10.2	10.7	10.3	8.60	15.1	37.1	1.26
6065.0	4:13	48.1	19	106	10.2	10.7	10.3	8.60	15.1	39.9	1.20
6070.0	4:21	51.0	15	103	10.2	10.7	10.3	8.60	15.1	43.9	1.13
6075.0	4:36	53.7	18	102	10.3	10.7	10.4	8.60	15.1	42.0	1.15
6080.0	4:40	16.7	18	102	10.3	10.7	10.4	8.60	15.1	31.9	1.43
6085.0	4:56	33.7	17	104	10.3	10.7	10.4	8.60	15.1	39.2	1.24
6090.0	5: 4	22.0	18	105	10.3	10.8	10.4	8.60	15.1	34.8	1.36
6095.0	5:21	47.6	18	104	10.3	10.8	10.4	8.60	15.1	40.6	1.19
6100.0	5:23	24.9	13	101	10.3	10.7	10.4	8.60	15.1	40.8	1.24
2445											
6105.0	5:44	20.0	18	113	10.3	10.7	10.4	8.60	15.1	34.6	1.39
6120.0	6: 9	40.1	26	135	10.2	10.8	10.4	8.60	15.1	32.0	1.42
6130.0	6:25	52.2	23	133	10.2	10.8	10.4	8.60	15.1	35.2	1.33
6135.0	6:40	57.6	26	139	10.2	10.9	10.4	8.60	15.1	35.5	1.31
6140.0	6:48	36.8	24	148	10.3	10.9	10.4	8.60	15.1	32.2	1.43
6145.0	6:58	28.8	23	150	10.2	10.7	10.4	8.60	15.1	31.0	1.47
6150.0	7: 3	69.3	24	149	10.2	10.3	10.4	8.60	15.1	37.8	1.26
6160.0	7:21	42.9	25	149	10.2	10.3	10.4	8.60	15.1	32.3	1.43
6165.0	7:39	40.4	31	150	10.2	10.3	10.4	8.60	15.1	29.0	1.52
6170.0	7:47	33.7	26	154	10.2	10.4	10.4	8.60	15.1	30.5	1.48
2490											
6180.0	8: 1	38.0	26	156	10.2	10.2	10.3	8.60	15.2	30.7	1.48
6185.0	8: 8	50.8	24	157	10.2	10.3	10.3	8.60	15.2	34.0	1.38
6190.0	8:16	38.2	29	157	10.2	10.4	10.3	8.60	15.2	29.2	1.52
6195.0	8:42	43.6	26	156	10.2	10.2	10.4	8.60	15.2	32.3	1.43
6200.0	8:51	33.1	33	148	10.2	10.6	10.4	8.60	15.2	26.3	1.60
6205.0	8:58	36.8	32	150	10.2	10.5	10.4	8.60	15.2	25.9	1.62
6210.0	9: 6	42.1	30	151	10.2	10.3	10.4	8.60	15.2	29.2	1.51
6215.0	9:14	73.7	31	152	10.2	10.3	10.4	8.60	15.2	32.9	1.39
6220.0	9:20	50.6	30	152	10.2	10.3	10.4	8.60	15.2	31.1	1.45
6230.0	9:41	63.6	30	149	10.2	10.4	10.4	8.60	15.2	32.8	1.39
2528											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECI	PP	FG	POR	DEXP
2528											
6235.0	9:47	71.2	34	141	10.2	10.5	10.4	8.60	15.2	31.7	1.41
6240.0	9:54	43.1	39	141	10.2	10.5	10.4	8.60	15.2	26.3	1.59
6245.0	10: 0	55.8	40	141	10.2	10.5	10.4	8.60	15.2	27.5	1.55
6250.0	10: 9	36.5	39	142	10.2	10.4	10.4	8.60	15.2	25.1	1.63
6255.0	10:14	45.4	41	142	10.2	10.3	10.4	8.60	15.2	26.3	1.59
6260.0	10:27	148.9	51	146	10.2	10.3	10.4	8.60	15.2	33.4	1.33
6265.0	10:33	46.3	43	158	10.2	10.3	10.4	8.60	15.2	25.0	1.65
6270.0	10:39	45.3	40	160	10.2	10.1	10.4	8.60	15.2	25.9	1.62
6275.0	10:46	57.0	39	161	10.2	10.2	10.4	8.60	15.2	27.4	1.57
6280.0	15:52	56.8	40	161	10.2	10.2	10.4	8.60	15.2	27.5	1.57
2568											
6285.0	15:57	72.0	40	159	10.2	10.1	10.4	8.60	15.2	29.9	1.48
6290.0	16: 3	61.3	40	157	10.2	10.1	10.4	8.60	15.2	27.8	1.55
6300.0	16:26	55.4	46	157	10.2	10.0	10.4	8.60	15.2	25.3	1.64
6305.0	16:31	64.0	48	158	10.2	10.0	10.4	8.60	15.2	25.5	1.63
6310.0	16:38	58.4	46	157	10.2	10.2	10.4	8.60	15.2	25.1	1.65
6315.0	16:44	38.7	46	149	10.2	10.4	10.4	8.60	15.2	22.8	1.73
6320.0	16:49	64.0	45	150	10.2	10.3	10.4	8.60	15.2	27.5	1.56
6325.0	17:11	41.3	47	146	10.2	10.4	10.4	8.60	15.2	22.8	1.73
6330.0	17:17	56.7	46	150	10.2	10.3	10.3	8.60	15.2	25.4	1.63
6335.0	17:22	51.6	45	151	10.2	10.3	10.3	8.60	15.2	25.4	1.63
2606											
6340.0	17:26	79.4	47	151	10.2	10.3	10.4	8.60	15.2	28.1	1.53
6345.0	17:33	48.6	46	151	10.2	10.2	10.4	8.60	15.2	24.8	1.66
6350.0	17:42	45.6	46	142	10.2	10.2	10.4	8.60	15.2	23.8	1.69
6355.0	17:57	98.3	47	155	10.2	10.2	10.4	8.60	15.2	30.6	1.44
6360.0	18: 7	58.6	47	157	10.2	10.1	10.3	8.60	15.2	24.7	1.65
6365.0	18:14	43.8	41	155	10.2	10.1	10.3	8.60	15.2	25.1	1.63
6370.0	18:22	44.5	41	153	10.2	10.2	10.3	8.60	15.2	25.1	1.64
6375.0	18:30	47.2	41	154	10.3	10.2	10.3	8.60	15.2	25.2	1.63
6380.0	18:35	50.5	41	153	10.3	10.3	10.3	8.60	15.2	24.9	1.64
6390.0	6:14	38.0	69	99	10.0	9.8	10.1	8.60	15.2	19.5	1.87
6395.0	6:26	28.3	39	103	10.0	10.1	10.1	8.60	15.2	22.3	1.65
6400.0	6:37	44.4	38	108	10.1	10.2	10.1	8.60	15.3	24.7	1.57
6405.0	6:44	39.6	38	138	10.1	10.2	10.1	8.60	15.3	24.0	1.62
6410.0	6:50	61.9	38	139	10.0	10.2	10.1	8.60	15.3	27.4	1.49
6415.0	6:58	39.7	39	139	10.0	10.2	10.1	8.60	15.3	24.0	1.62
6420.0	7:13	32.5	40	138	10.0	10.1	10.1	8.60	15.3	21.7	1.70
6425.0	7:24	50.1	39	129	10.1	10.1	10.1	8.60	15.3	26.3	1.53
6430.0	7:32	31.0	40	130	10.1	10.0	10.1	8.60	15.3	22.0	1.69
6440.0	7:45	42.9	40	131	10.1	10.0	10.1	8.60	15.3	24.2	1.62
6455.0	8:14	29.8	40	141	10.2	10.0	10.2	8.60	15.3	21.4	1.73
2687											
6460.0	8:24	39.6	38	140	10.1	10.0	10.2	8.60	15.3	24.3	1.62
6465.0	8:30	50.6	38	142	10.1	10.0	10.2	8.60	15.3	26.4	1.55
6470.0	8:39	60.8	38	138	10.0	10.0	10.2	8.60	15.3	26.7	1.54
6485.0	9:17	38.4	40	133	10.0	10.0	10.1	8.60	15.3	23.5	1.66
6490.0	9:29	35.9	41	133	10.3	10.2	10.1	8.60	15.3	22.1	1.71
6495.0	9:33	48.6	40	133	10.2	10.3	10.1	8.60	15.3	25.9	1.57
6500.0	9:40	32.8	38	134	10.3	10.2	10.1	8.60	15.3	23.3	1.67
6505.0	9:47	53.1	38	134	10.3	10.2	10.2	8.60	15.3	27.0	1.54
6510.0	10: 1	39.1	44	128	10.2	10.2	10.2	8.60	15.3	23.6	1.65
6515.0	10: 6	50.7	45	143	10.1	10.1	10.2	8.60	15.3	24.6	1.63
2726											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2726											
6520.0	10:11	56.8	43	147	10.1	10.0	10.2	8.60	15.3	26.3	1.57
6530.0	10:30	38.2	41	142	10.1	10.1	10.2	8.60	15.3	23.2	1.69
6535.0	10:38	39.5	40	136	10.1	10.2	10.2	8.60	15.3	24.8	1.62
6540.0	11: 8	15.8	38	139	10.1	10.4	10.2	8.60	15.3	18.2	1.87
6550.0	11:14	54.5	28	132	10.1	10.4	10.2	8.60	15.3	32.3	1.40
6555.0	11:25	29.0	43	139	10.1	10.4	10.2	8.60	15.3	21.4	1.77
6560.0	11:44	16.5	40	141	10.1	10.3	10.2	8.60	15.3	18.1	1.91
6565.0	11:56	35.5	40	140	10.2	10.3	10.3	8.60	15.3	23.6	1.71
6570.0	12:10	21.0	37	141	10.4	10.2	10.3	8.60	15.3	21.6	1.78
6580.0	12:51	32.4	39	141	10.2	10.1	10.4	8.60	15.3	24.4	1.68
2767											
6585.0	12:57	46.9	39	140	10.2	10.1	10.3	8.60	15.3	27.5	1.57
6590.0	13: 0	133.7	40	141	10.3	10.1	10.3	8.60	15.3	34.8	1.30
6600.0	13:57	99.9	39	145	10.2	10.0	10.4	8.60	15.3	32.9	1.38
6605.0	14:12	44.5	40	151	10.2	10.2	10.4	8.60	15.3	26.0	1.63
6610.0	14:18	85.6	42	156	10.1	10.3	10.3	8.60	15.3	29.1	1.52
6615.0	14:24	66.9	40	155	10.1	10.3	10.3	8.60	15.3	28.3	1.55
6620.0	14:29	131.8	40	155	10.2	10.2	10.3	8.60	15.4	32.3	1.40
6630.0	14:37	153.7	39	153	10.2	10.2	10.3	8.60	15.4	34.0	1.35
6635.0	14:52	69.9	40	155	10.2	10.4	10.3	8.60	15.4	30.0	1.49
6640.0	14:57	123.7	37	163	10.2	10.5	10.3	8.60	15.4	33.4	1.38
2810											
6645.0	15: 5	50.7	37	163	10.2	10.6	10.3	8.60	15.4	28.1	1.57
6650.0	15: 9	171.2	37	163	10.3	10.5	10.3	8.60	15.4	35.3	1.31
6655.0	15:11	124.9	38	163	10.3	10.5	10.3	8.60	15.4	35.6	1.30
6660.0	15:18	95.4	34	152	10.3	10.6	10.3	8.60	15.4	35.6	1.31
6670.0	15:26	191.7	38	156	10.2	10.6	10.4	8.60	15.4	36.7	1.25
6675.0	15:30	97.2	37	160	10.2	10.5	10.3	8.60	15.4	33.0	1.40
6680.0	15:35	64.9	38	160	10.2	10.4	10.3	8.60	15.4	30.2	1.50
6685.0	15:38	119.0	37	162	10.2	10.3	10.4	8.60	15.4	35.2	1.32
6690.0	15:41	117.1	35	161	10.2	10.2	10.4	8.60	15.4	35.8	1.31
6700.0	15:53	316.8	36	147	10.1	10.2	10.4	8.60	15.4	42.2	1.08
2837											
6710.0	16:55	156.6	35	92	10.1	10.3	10.3	8.60	15.4	42.4	1.04
6715.0	16:58	82.3	31	130	10.1	10.4	10.2	8.60	15.4	36.5	1.29
6720.0	17: 4	86.7	30	140	10.0	10.5	10.2	8.60	15.4	33.9	1.38
6730.0	17:17	430.0	41	139	10.0	10.4	10.2	8.60	15.4	46.1	.92
6735.0	17:21	67.5	31	145	10.0	10.1	10.2	8.60	15.4	34.0	1.38
6740.0	17:22	384.6	32	145	10.0	9.9	10.2	8.60	15.4	47.9	.89
6745.0	17:26	80.9	36	142	10.0	9.6	10.2	8.60	15.4	32.9	1.40
6750.0	17:28	155.3	38	141	10.0	9.9	10.2	8.60	15.4	37.7	1.21
6755.0	17:32	323.7	37	147	10.0	10.2	10.2	8.60	15.4	37.3	1.24
6760.0	17:46	82.7	33	140	10.0	10.1	10.2	8.60	15.4	33.3	1.39
2862											
6765.0	17:53	183.6	22	131	10.0	10.0	10.1	8.60	15.4	47.8	.99
6770.0	18:10	166.1	19	121	10.0	10.1	10.1	8.60	15.4	49.7	.94
6775.0	18:18	87.1	18	151	10.3	10.1	10.1	8.60	15.4	46.5	1.16
6780.0	18:27	40.9	11	151	10.2	10.1	10.1	8.60	15.4	44.8	1.20
6785.0	19:57	33.2	21	137	9.8	10.3	8.9	8.60	15.4	31.1	1.58
6795.0	20:13	79.3	28	137	10.0	10.3	9.2	8.60	15.4	33.4	1.45
6800.0	20:20	43.4	30	140	10.1	10.2	9.4	8.60	15.4	28.6	1.60
6805.0	20:32	30.3	34	139	10.0	10.1	9.5	8.60	15.4	23.7	1.77
6810.0	20:43	30.7	31	139	10.1	10.2	9.8	8.60	15.4	26.2	1.67
6815.0	20:47	129.4	54	135	10.1	10.2	9.9	8.60	15.4	30.4	1.49
2906											

ESP 1010

ESSO SWORDFISH # 1

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DEPTH	TIME	ROP	MOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
3101											
7110.0	21: 3	46.3	31	101	10.2	9.9	10.3	8.60	15.6	34.5	1.37
7115.0	21: 6	107.0	29	102	10.2	9.9	10.3	8.60	15.6	41.5	1.14
7120.0	21: 8	76.9	30	103	10.2	9.9	10.4	8.60	15.6	39.7	1.20
7125.0	21:13	64.0	26	103	10.3	9.9	10.4	8.60	15.6	38.4	1.27
7130.0	21:14	172.7	26	104	10.4	9.9	10.4	8.60	15.6	48.3	.95
7140.0	21:25	128.8	28	102	10.4	10.0	10.5	8.60	15.6	44.9	1.04
7145.0	21:28	106.5	27	99	10.3	10.0	10.5	8.60	15.6	43.8	1.08
7150.0	21:38	46.8	28	101	10.3	10.0	10.4	8.60	15.6	35.2	1.37
7155.0	22: 1	31.2	29	101	10.2	10.0	10.4	8.60	15.6	32.0	1.46
7160.0	22:20	19.5	28	100	10.2	10.0	10.4	8.60	15.6	28.7	1.58
3137											
7165.0	22:33	17.6	27	108	10.1	10.0	10.3	8.60	15.6	28.1	1.61
7170.0	22:40	53.6	28	110	10.1	10.0	10.3	8.60	15.6	36.4	1.33
7175.0	23:13	77.1	27	109	10.2	10.0	10.3	8.60	15.6	38.9	1.26
7180.0	23:21	50.3	26	108	10.2	10.0	10.3	8.60	15.6	37.2	1.32
7185.0	23:27	64.7	27	108	10.2	10.0	10.3	8.60	15.6	38.9	1.26
7190.0	23:37	33.0	25	112	10.2	10.0	10.3	8.60	15.6	35.0	1.41
7195.0	23:51	37.6	27	103	10.1	10.0	10.3	8.60	15.6	33.4	1.45
7210.0	0:28	42.7	34	105	10.1	10.0	10.3	8.60	15.6	32.3	1.47
7215.0	0:37	51.7	30	108	10.1	10.1	10.3	8.60	15.6	34.4	1.41
7220.0	0:39	76.0	30	107	10.1	10.1	10.3	8.60	15.6	39.3	1.24
3182											
7230.0	1:46	76.0	30	100	10.2	10.1	10.3	8.60	15.6	40.1	1.21
7235.0	1:57	80.4	27	103	10.2	10.1	10.3	8.60	15.6	41.4	1.18
7240.0	2: 3	55.5	27	104	10.2	10.1	10.3	8.60	15.6	38.3	1.29
7245.0	2: 8	67.5	27	104	10.2	10.1	10.3	8.60	15.6	40.5	1.22
7250.0	2:11	86.2	28	105	10.2	10.1	10.3	8.60	15.6	41.8	1.17
7255.0	2:18	63.0	29	106	10.2	10.1	10.3	8.60	15.6	37.4	1.31
7260.0	2:26	41.7	28	106	10.4	10.1	10.3	8.60	15.6	36.0	1.37
7265.0	2:41	35.9	31	102	10.3	10.1	10.4	8.60	15.6	33.7	1.43
7270.0	2:56	23.8	32	112	10.3	10.1	10.4	8.60	15.6	28.7	1.61
7275.0	3: 1	58.5	30	121	10.3	10.1	10.4	8.60	15.6	37.4	1.32
3207											
7280.0	3:12	41.5	31	121	10.2	10.1	10.4	8.60	15.6	32.7	1.48
7285.0	3:22	34.0	31	122	10.1	10.1	10.4	8.60	15.6	32.1	1.50
7290.0	3:50	11.5	37	123	10.1	10.1	10.3	8.60	15.6	20.4	1.93
7300.0	4:21	34.6	38	123	10.2	10.3	10.3	8.60	15.6	28.5	1.62
7305.0	4:32	28.2	39	123	10.3	10.3	10.3	8.60	15.6	26.9	1.68
7310.0	4:49	28.7	41	124	10.2	10.3	10.3	8.60	15.6	25.0	1.76
7315.0	5: 4	19.4	50	125	10.2	10.3	10.4	8.60	15.6	20.9	1.93
7320.0	5:13	33.6	50	125	10.2	10.2	10.4	8.60	15.7	25.1	1.76
7325.0	5:27	46.7	49	125	10.2	10.2	10.3	8.60	15.7	28.0	1.64
7330.0	5:44	23.1	51	122	10.2	10.3	10.3	8.60	15.7	21.4	1.92
3243											
7335.0	6: 0	19.2	49	125	10.2	10.2	10.3	8.60	15.7	21.0	1.93
7340.0	6: 7	46.7	49	126	10.2	10.3	10.3	8.60	15.7	28.0	1.65
7345.0	6:12	70.5	51	125	10.2	10.3	10.3	8.60	15.7	30.5	1.54
7350.0	6:22	36.9	51	117	10.3	10.2	10.3	8.60	15.7	25.2	1.76
7360.0	6:50	34.6	51	105	10.3	10.2	10.3	8.60	15.7	23.4	1.83
7365.0	7:17	16.5	46	106	10.2	10.2	10.4	8.60	15.7	20.9	1.93
7370.0	7:44	12.1	46	100	10.3	10.2	10.4	8.60	15.7	19.7	1.98
7375.0	7:54	40.7	46	102	10.4	10.2	10.4	8.60	15.7	28.3	1.63
7380.0	8: 4	69.7	46	106	10.3	10.2	10.4	8.60	15.7	32.1	1.49
7385.0	8: 9	76.3	47	108	10.3	10.1	10.4	8.60	15.7	32.8	1.46
3287											

DEPTH	TIME	ROP	MOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
7387.0	8:13	33.7	48	111	10.3	10.1	10.4	8.60	15.7	27.4	1.68

3287

NEW BIT ID: 8

7390.0	20:18	6.3	40	100	10.2	10.5	10.3	8.60	15.7	15.4	2.08
7395.0	20:18	7.7	56	97	10.3	10.5	10.3	8.60	15.7	13.6	2.22
7400.0	20:22	4.5	44	94	10.2	10.6	10.3	8.60	15.7	12.8	2.21
7405.0	20:41	11.5	43	99	10.2	10.6	10.4	8.60	15.7	20.3	1.92
7415.0	22:16	6.6	48	100	10.0	10.4	10.2	8.60	15.7	13.9	2.22
7420.0	23:56	15.5	50	100	10.0	10.4	10.1	8.60	15.7	19.9	1.97
7425.0	0:32	12.1	48	104	10.0	10.4	10.2	8.60	15.7	17.9	2.06
7430.0	0:42	29.3	48	104	10.1	10.3	10.2	8.60	15.7	25.2	1.75
7435.0	0:55	40.2	48	103	10.1	10.3	10.2	8.60	15.7	26.2	1.71

3322

7440.0	1:31	9.7	49	100	10.0	10.3	10.1	8.60	15.7	16.2	2.13
7445.0	1:39	8.1	49	109	10.0	10.3	10.1	8.60	15.7	14.9	2.20
7450.0	1:56	14.4	47	108	10.1	10.3	10.1	8.60	15.7	20.1	1.98
7455.0	2:14	15.7	49	102	10.0	10.3	10.1	8.60	15.7	18.3	2.06
7460.0	2:59	7.5	48	108	9.9	10.3	10.1	8.60	15.7	14.2	2.24
7465.0	3:15	28.3	48	108	9.8	10.3	9.9	8.60	15.7	23.0	1.88
7470.0	3:25	24.8	48	108	9.8	10.3	9.9	8.60	15.7	23.3	1.87
7475.0	3:51	28.6	48	110	9.9	10.3	9.9	8.60	15.7	20.9	1.97
7480.0	4: 9	19.7	49	110	9.9	10.3	10.0	8.60	15.7	21.1	1.96
7485.0	4:47	15.7	50	105	9.9	10.3	10.0	8.60	15.7	17.9	2.10

3361

7490.0	5: 5	17.6	52	102	10.0	10.3	10.0	8.60	15.7	20.8	1.98
7500.0	5:19	47.4	50	107	10.0	10.4	10.1	8.60	15.7	28.2	1.66
7505.0	5:34	37.2	49	108	10.0	10.3	10.1	8.60	15.7	25.3	1.79
7510.0	5:44	30.1	47	107	10.0	10.4	10.1	8.60	15.7	26.1	1.75
7520.0	5:56	18.9	45	108	9.9	10.6	10.1	8.60	15.7	23.1	1.88
7523.0	5:57	15.9	50	108	9.9	10.6	10.1	8.60	15.7	20.6	1.99

NEW BIT ID: 9

7525.0	16:22	30.2	34	63	10.0	10.1	10.1	8.60	15.7	32.7	1.42
7530.0	16:35	32.7	24	64	10.0	10.1	10.1	8.60	15.7	36.9	1.32
7535.0	16:48	23.4	27	59	10.0	10.1	10.1	8.60	15.7	34.5	1.39
7540.0	16:59	29.1	30	58	10.0	10.1	10.1	8.60	15.7	35.1	1.35

3409

7545.0	17: 8	33.9	33	69	10.0	10.1	10.1	8.60	15.7	33.5	1.40
7550.0	17:44	35.1	31	61	10.0	10.1	10.1	8.60	15.7	36.1	1.32
7555.0	17:52	36.0	31	66	10.0	10.1	10.1	8.60	15.7	35.3	1.35
7560.0	17:59	44.0	32	65	10.0	10.1	10.1	8.60	15.7	36.7	1.30
7565.0	18: 9	33.8	32	66	10.0	10.1	10.1	8.60	15.8	34.1	1.39
7570.0	18:14	39.4	32	72	10.0	10.1	10.1	8.60	15.8	35.1	1.36
7575.0	18:31	18.1	28	63	10.0	10.1	10.1	8.60	15.8	31.8	1.50
7580.0	18:59	24.3	27	62	10.0	10.1	10.1	8.60	15.8	33.0	1.46
7585.0	19:10	24.3	43	55	10.0	10.1	10.1	8.60	15.8	29.6	1.55
7590.0	19:18	29.9	37	51	10.0	10.1	10.1	8.60	15.8	33.9	1.40

3447

7600.0	19:52	29.2	33	50	10.0	10.1	10.1	8.60	15.8	35.3	1.36
7610.0	20:28	24.5	36	48	10.0	10.1	10.1	8.60	15.8	32.2	1.47
7620.0	20:53	23.2	36	43	10.0	10.1	10.1	8.60	15.8	33.9	1.41
7625.0	20:59	46.1	36	43	10.0	10.1	10.1	8.60	15.8	37.9	1.26

ESP 1010

ESSD SWORDFISH # 1

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	FP	FG	POR	DEXP
3457											
7630.0	21: 9	28.9	35	43	10.0	10.1	10.1	8.60	15.8	36.3	1.33
7640.0	21:48	18.3	33	44	10.0	10.1	10.1	8.60	15.8	33.6	1.45
7650.0	22:14	32.5	28	61	10.0	10.1	10.1	8.60	15.8	36.5	1.37
7660.0	23: 2	12.1	29	60	10.0	10.1	10.1	8.60	15.8	29.8	1.60
7670.0	23:56	15.8	31	62	10.0	10.1	10.1	8.60	15.8	31.1	1.55
7675.0	0: 4	28.1	28	60	10.0	10.1	10.1	8.60	15.8	36.8	1.35
7680.0	0:19	26.7	31	59	10.0	10.1	10.1	8.60	15.8	34.2	1.44
7685.0	0:41	14.4	36	55	10.0	10.1	10.1	8.60	15.8	28.9	1.63
7690.0	0:56	21.6	38	54	10.0	10.1	10.1	8.60	15.8	31.1	1.54
7700.0	1:28	13.7	45	55	10.0	10.1	10.1	8.60	15.8	25.6	1.77
3501											
7705.0	1:33	31.7	47	58	10.0	10.1	10.1	8.60	15.8	31.1	1.53
7710.0	1:54	17.5	45	54	10.0	10.1	10.1	8.60	15.8	26.3	1.73
7715.0	2:26	13.8	45	51	10.0	10.1	10.1	8.60	15.8	24.9	1.79
7720.0	2:37	25.8	46	50	10.0	10.1	10.1	8.60	15.8	30.6	1.55
7725.0	3: 0	13.9	45	50	10.0	10.1	10.1	8.60	15.8	26.2	1.74
7730.0	3: 8	38.0	45	50	10.0	10.1	10.1	8.60	15.8	33.8	1.42
7735.0	3:32	24.2	42	49	10.0	10.1	10.1	8.60	15.8	32.0	1.51
7740.0	3:43	35.2	40	49	10.0	10.1	10.1	8.60	15.8	35.0	1.39
7745.0	4: 3	19.7	40	50	10.0	10.1	10.2	8.60	15.8	30.5	1.58
7750.0	4:20	34.3	41	49	10.0	10.1	10.2	8.60	15.8	32.8	1.48
3547											
7755.0	4:28	27.6	40	49	10.0	10.1	10.1	8.60	15.8	34.2	1.43
7760.0	4:38	34.8	39	50	10.0	10.1	10.1	8.60	15.8	35.4	1.39
7770.0	5: 2	24.9	45	51	10.0	10.1	10.1	8.60	15.8	31.3	1.54
7775.0	5: 8	41.0	48	52	10.0	10.1	10.1	8.60	15.8	33.9	1.43
7780.0	5:14	47.7	46	51	10.0	10.1	10.1	8.60	15.8	35.7	1.35
7785.0	5:22	33.1	43	51	10.0	10.1	10.2	8.60	15.8	33.7	1.45
7790.0	5:28	48.0	45	52	10.0	10.1	10.2	8.60	15.8	36.4	1.33
7795.0	5:45	50.9	46	51	10.0	10.1	10.2	8.60	15.8	36.0	1.35
7800.0	5:47	34.5	44	47	10.0	10.1	10.2	8.60	15.8	35.0	1.40
7805.0	6: 4	28.8	43	48	10.0	10.1	10.2	8.60	15.8	31.8	1.53
3590											
7810.0	6:12	39.2	40	48	10.0	10.1	10.1	8.60	15.9	37.2	1.32
7820.0	6:43	18.5	41	49	10.0	10.1	10.1	8.60	15.9	30.5	1.59
7825.0	7: 6	21.0	41	49	10.0	10.1	10.1	8.60	15.9	29.9	1.62
7830.0	7:25	22.4	43	47	10.0	10.1	10.1	8.60	15.9	31.9	1.53
7835.0	7:36	23.0	43	44	10.0	10.1	10.1	8.60	15.9	32.5	1.50
7840.0	7:45	34.8	44	43	10.0	10.1	10.1	8.60	15.9	35.5	1.38
7845.0	7:53	33.5	44	44	10.0	10.1	10.1	8.60	15.9	35.3	1.39
7850.0	8: 2	29.8	43	44	10.0	10.1	10.2	8.60	15.9	34.6	1.42
7855.0	8:11	37.4	42	44	10.0	10.1	10.2	8.60	15.9	36.6	1.34
7860.0	8:31	33.3	42	44	10.0	10.1	10.2	8.60	15.9	34.8	1.42
3633											
7865.0	8:43	29.8	38	44	10.0	10.1	10.2	8.60	15.9	35.9	1.39
7870.0	8:48	30.6	39	46	10.0	10.1	10.2	8.60	15.9	36.1	1.38
7875.0	9:16	14.4	40	47	10.0	10.1	10.1	8.60	15.9	28.0	1.70
7880.0	9:25	42.1	40	45	10.0	10.1	10.1	8.60	15.9	37.8	1.31
7890.0	9:45	28.7	44	45	10.0	10.1	10.1	8.60	15.9	34.1	1.45
7900.0	10:15	28.3	46	48	10.0	10.1	10.1	8.60	15.9	32.6	1.51
7905.0	10:24	30.8	47	50	10.0	10.1	10.1	8.60	15.9	32.9	1.50
7910.0	10:34	37.7	45	50	10.0	10.1	10.1	8.60	15.9	34.3	1.44
7915.0	10:45	25.6	48	51	10.0	10.1	10.1	8.60	15.9	30.8	1.58
7920.0	10:54	29.1	47	50	10.0	10.1	10.1	8.60	15.9	32.2	1.53
3681											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
3681											
7930.0	11:24	28.5	49	50	10.0	10.1	10.1	8.60	15.9	32.4	1.54
7935.0	11:27	51.2	48	48	10.0	10.1	10.1	8.60	15.9	36.9	1.33
7940.0	11:38	38.4	48	48	10.0	10.1	10.1	8.60	15.9	34.2	1.44
7945.0	11:47	33.5	48	49	10.0	10.1	10.1	8.60	15.9	33.6	1.47
7950.0	12:10	14.0	51	51	10.0	10.1	10.1	8.60	15.9	26.1	1.79
7955.0	12:57	8.9	51	47	10.0	10.1	10.1	8.60	15.9	22.8	1.94
7960.0	13:33	9.2	51	51	10.0	10.1	10.1	8.60	15.9	22.5	1.96
7970.0	14:21	13.0	48	51	10.0	10.1	10.1	8.60	15.9	26.2	1.79
7980.0	14:49	23.1	46	50	10.0	10.1	10.1	8.60	15.9	31.5	1.57
7990.0	15:36	16.7	44	50	10.0	10.1	10.1	8.60	15.9	29.8	1.65
3722											
8000.0	16: 8	18.2	42	50	10.0	10.1	10.1	8.60	15.9	31.0	1.60
8005.0	16:38	16.3	42	49	10.0	10.1	10.1	8.60	15.9	29.8	1.65
8010.0	16:57	16.8	42	49	10.0	10.1	10.1	8.60	15.9	30.0	1.64
8015.0	17:22	11.9	42	47	10.0	10.1	10.1	8.60	15.9	28.1	1.72
8020.0	17:44	23.4	42	45	10.0	10.1	10.1	8.60	15.9	32.6	1.53
8025.0	17:54	29.5	39	45	10.0	10.1	10.1	8.60	15.9	36.3	1.39
8030.0	18: 1	37.6	41	45	10.0	10.1	10.1	8.60	15.9	37.5	1.33
8035.0	18:15	22.4	40	46	10.0	10.1	10.1	8.60	15.9	34.0	1.48
8040.0	18:45	10.2	43	47	10.0	10.1	10.1	8.60	15.9	26.8	1.78
8045.0	19:21	8.1	43	47	10.0	10.1	10.1	8.60	15.9	24.9	1.86
3745											
8050.0	19:49	22.5	44	52	10.0	10.1	10.1	8.60	15.9	31.7	1.57
8060.0	20:17	31.9	45	44	10.0	10.1	10.1	8.60	15.9	34.8	1.43
8065.0	20:27	33.4	46	46	10.0	10.1	10.1	8.60	16.0	35.0	1.42
8070.0	20:57	9.4	46	48	10.0	10.1	10.1	8.60	16.0	24.9	1.86
8080.0	21:52	13.0	43	49	10.0	10.1	10.1	8.60	16.0	27.8	1.73
8090.0	22: 9	35.0	43	46	10.0	10.1	10.1	8.60	16.0	35.9	1.39
8095.0	22:15	45.6	45	46	10.0	10.1	10.1	8.60	16.0	37.8	1.31
8100.0	22:22	29.6	46	46	10.0	10.1	10.1	8.60	16.0	34.0	1.47

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1892											
4500.0	13:26	102.2	39	145	9.1	9.4	9.2	8.60	14.3	19.7	1.51
4505.0	13:29	100.2	37	146	9.1	9.5	9.2	8.60	14.3	19.8	1.53
4510.0	13:32	64.1	38	146	9.1	9.4	9.2	8.60	14.3	16.2	1.66
4515.0	13:35	87.2	37	147	9.2	9.4	9.2	8.60	14.3	19.3	1.55
4520.0	13:39	96.4	37	149	9.1	9.4	9.3	8.60	14.3	19.8	1.54
4525.0	13:42	108.0	39	147	9.2	9.4	9.3	8.60	14.3	21.8	1.46
4530.0	13:57	83.1	39	139	9.2	9.4	9.3	8.60	14.3	17.7	1.60
4540.0	14: 3	127.4	39	137	9.2	9.4	9.3	8.60	14.4	22.6	1.43
4550.0	14: 9	97.4	37	139	9.2	9.3	9.3	8.60	14.4	21.4	1.48
4560.0	14:24	92.3	38	141	9.2	9.3	9.3	8.60	14.4	20.4	1.51
1930											
4565.0	14:27	86.2	40	146	9.2	9.3	9.3	8.60	14.4	19.4	1.55
4570.0	14:30	98.4	39	147	9.2	9.3	9.3	8.60	14.4	21.0	1.50
4575.0	14:32	185.5	40	147	9.2	9.2	9.3	8.60	14.4	26.6	1.29
4580.0	14:36	78.4	40	146	9.2	9.3	9.3	8.60	14.4	18.0	1.60
4585.0	14:40	68.8	37	147	9.2	9.3	9.4	8.60	14.4	18.7	1.59
4590.0	14:53	38.5	43	132	9.0	9.4	9.2	8.60	14.4	10.3	1.86
4600.0	15: 0	49.6	41	133	9.0	9.3	9.1	8.60	14.4	12.7	1.76
4610.0	0:26	68.4	42	146	9.2	9.3	9.3	8.60	14.4	13.6	1.77
4615.0	0:29	76.1	44	139	9.2	9.2	9.4	8.60	14.4	16.8	1.64
4620.0	0:32	129.2	45	139	9.2	9.4	9.4	8.60	14.4	22.4	1.44
1955											
4630.0	0:47	93.6	46	140	9.1	9.7	9.3	8.60	14.4	18.2	1.59
4635.0	0:52	59.4	43	137	9.1	9.4	9.3	8.60	14.4	15.6	1.69
4640.0	0:56	83.7	42	137	9.1	9.3	9.3	8.60	14.4	19.2	1.57
4650.0	1: 1	130.5	42	149	9.1	9.3	9.3	8.60	14.4	22.5	1.46
4660.0	1:16	56.7	44	164	9.1	9.3	9.3	8.60	14.4	13.5	1.80
4665.0	1:19	102.7	42	168	9.1	9.2	9.3	8.60	14.4	18.9	1.60
4670.0	1:22	130.6	43	168	9.1	9.2	9.3	8.60	14.4	21.6	1.50
4675.0	1:25	102.6	43	169	9.1	9.3	9.3	8.60	14.4	18.5	1.62
4680.0	1:29	93.7	43	163	9.1	9.1	9.3	8.60	14.4	18.4	1.62
4690.0	1:44	96.2	42	158	9.1	9.1	9.2	8.60	14.4	19.3	1.58
1990											
4700.0	1:50	110.3	41	163	9.1	9.1	9.2	8.60	14.4	20.7	1.54
4715.0	1:58	133.6	36	164	8.9	9.2	9.2	8.60	14.4	24.4	1.43
4720.0	2: 3	107.5	38	153	8.9	9.2	9.1	8.60	14.4	20.2	1.56
4730.0	2:16	78.5	36	139	9.0	9.2	9.0	8.60	14.5	19.6	1.57
4740.0	2:23	86.5	38	130	9.0	9.2	9.1	8.60	14.5	20.7	1.52
4750.0	2:38	65.5	38	158	9.3	9.5	9.3	8.60	14.5	16.1	1.72
4760.0	2:44	102.2	39	159	9.4	9.5	9.4	8.60	14.5	22.5	1.49
4765.0	2:46	135.5	40	159	9.4	9.4	9.5	8.60	14.5	25.1	1.40
4770.0	2:49	110.8	36	160	9.3	9.5	9.5	8.60	14.5	24.4	1.45
4775.0	2:51	157.8	37	159	9.3	9.5	9.5	8.60	14.5	28.0	1.32
2023											
4780.0	3:11	104.6	38	152	9.3	9.4	9.5	8.60	14.5	23.6	1.46
4785.0	3:17	85.8	38	132	9.4	9.4	9.5	8.60	14.5	21.7	1.48
4790.0	3:18	168.2	37	134	9.3	9.4	9.5	8.60	14.5	28.3	1.27
4800.0	3:25	133.7	39	148	9.3	9.4	9.5	8.60	14.5	24.8	1.41
4810.0	3:38	128.7	38	156	9.3	9.4	9.5	8.60	14.5	25.9	1.39
4815.0	3:39	309.2	41	162	9.3	9.4	9.5	8.60	14.5	32.6	1.14
4820.0	3:41	118.1	38	164	9.3	9.5	9.5	8.60	14.5	24.5	1.45
4830.0	3:48	92.6	37	154	9.2	9.6	9.5	8.60	14.5	23.2	1.49
4840.0	3:53	170.8	37	153	8.9	9.6	9.5	8.60	14.5	25.4	1.41
4845.0	4: 3	137.7	36	158	9.2	9.6	9.4	8.60	14.5	27.1	1.36
2052											

DEPTH	TIME	ROP	MOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2052											
4850.0	4: 7	79.4	32	160	9.3	9.6	9.4	8.60	14.5	22.6	1.53
4855.0	4:12	67.1	32	160	9.2	9.6	9.4	8.60	14.5	21.9	1.56
4865.0	4:17	112.4	33	160	9.1	9.6	9.4	8.60	14.5	25.5	1.43
4870.0	4:19	107.3	33	160	9.1	9.6	9.4	8.60	14.5	25.1	1.45
4900.0	0:16	102.6	37	154	9.3	9.5	9.4	8.60	14.5	24.1	1.46
4905.0	0:20	78.7	36	162	9.3	9.4	9.4	8.60	14.5	22.1	1.54
4910.0	0:24	66.5	37	161	9.3	9.4	9.4	8.60	14.5	20.2	1.61
4915.0	0:28	70.9	37	160	9.2	9.4	9.4	8.60	14.5	21.0	1.58
4920.0	0:31	92.5	38	161	9.2	9.4	9.4	8.60	14.5	23.0	1.51
4925.0	0:35	86.7	38	163	9.3	9.4	9.4	8.60	14.6	22.1	1.54
2074											
4930.0	0:39	69.7	37	163	9.3	9.4	9.4	8.60	14.6	20.7	1.59
4935.0	0:44	70.0	40	163	9.3	9.4	9.4	8.60	14.6	19.4	1.63
4940.0	0:48	66.0	40	154	9.3	9.4	9.4	8.60	14.6	19.2	1.63
4945.0	0:52	75.0	40	154	9.3	9.4	9.4	8.60	14.6	20.4	1.59
4950.0	0:56	85.0	41	158	9.3	9.4	9.4	8.60	14.6	21.0	1.57
4960.0	1: 0	120.0	42	155	9.3	9.4	9.5	8.60	14.6	24.0	1.45
4970.0	1: 5	128.0	39	155	9.3	9.4	9.5	8.60	14.6	26.0	1.40
4980.0	1:11	102.5	38	145	9.3	9.4	9.5	8.60	14.6	24.9	1.44
4990.0	1:15	145.9	38	145	9.3	9.4	9.5	8.60	14.6	28.2	1.32
5000.0	1:24	69.9	38	145	9.3	9.4	9.5	8.60	14.6	21.6	1.56
2084											
5010.0	1:30	99.2	39	150	9.3	9.5	9.5	8.60	14.6	24.2	1.46
5020.0	1:35	119.0	39	150	9.3	9.5	9.5	8.60	14.6	26.0	1.40
5030.0	1:42	87.7	38	165	9.3	9.5	9.5	8.60	14.6	23.1	1.52
5040.0	1:47	122.4	42	172	9.3	9.5	9.5	8.60	14.6	24.3	1.47
5050.0	1:52	117.7	43	167	9.3	9.5	9.5	8.60	14.6	23.9	1.48
5060.0	2: 0	72.0	40	161	9.3	9.5	9.5	8.60	14.6	20.9	1.60
5070.0	2: 4	145.5	44	162	9.3	9.4	9.5	8.60	14.6	25.6	1.42
5080.0	2:10	104.2	44	162	9.3	9.4	9.5	8.60	14.6	22.6	1.53
5090.0	2:15	116.7	42	162	9.3	9.4	9.5	8.60	14.6	24.5	1.47
5100.0	2:22	88.2	44	167	9.3	9.4	9.5	8.60	14.6	21.1	1.59
2094											
5105.0	2:25	81.0	44	167	9.3	9.4	9.5	8.60	14.6	20.3	1.63
5110.0	2:29	92.0	40	171	9.3	9.4	9.5	8.60	14.6	22.8	1.55
5120.0	2:37	71.0	42	173	9.3	9.4	9.5	8.60	14.7	19.5	1.66
5130.0	2:45	78.0	42	173	9.3	9.4	9.5	8.60	14.7	20.4	1.63
5140.0	2:51	96.0	42	173	9.3	9.4	9.5	8.60	14.7	22.3	1.57
5150.0	2:56	117.7	43	166	9.3	9.4	9.5	8.60	14.7	23.9	1.50
5160.0	3: 5	69.0	43	166	9.3	9.4	9.5	8.60	14.7	19.2	1.68
5170.0	3: 9	153.2	42	165	9.3	9.4	9.5	8.60	14.7	27.0	1.39
5180.0	3:15	101.0	42	165	9.3	9.4	9.5	8.60	14.7	23.3	1.53
5190.0	3:22	78.2	42	165	9.3	9.4	9.5	8.60	14.7	21.1	1.61
2104											
5200.0	3:26	146.5	36	162	9.3	9.4	9.5	8.60	14.7	29.5	1.33
5205.0	3:29	132.0	36	162	9.3	9.4	9.5	8.60	14.7	28.6	1.36
5210.0	3:31	159.0	38	166	9.3	9.4	9.5	8.60	14.7	29.2	1.34
5220.0	3:35	126.4	40	166	9.3	9.4	9.5	8.60	14.7	26.4	1.43
5230.0	3:41	111.7	41	166	9.3	9.4	9.5	8.60	14.7	24.9	1.48
5240.0	3:45	138.5	40	174	9.3	9.4	9.5	8.60	14.7	27.1	1.42
5250.0	3:50	132.0	41	164	9.3	9.3	9.5	8.60	14.7	26.6	1.42
5260.0	3:55	117.0	42	164	9.3	9.3	9.5	8.60	14.7	25.2	1.47
5270.0	3:59	143.0	41	161	9.3	9.3	9.5	8.60	14.7	27.5	1.39
5280.0	4: 4	125.5	41	160	9.3	9.4	9.5	8.60	14.7	26.3	1.43

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2114											
5290.0	4: 9	104.7	38	144	9.3	9.4	9.5	8.60	14.7	26.7	1.42
5300.0	4:15	98.2	38	144	9.3	9.4	9.5	8.60	14.7	26.1	1.45
5301.0	4:16	106.0	38	144	9.3	9.4	9.5	8.60	14.7	26.8	1.42

NEW BIT ID: 5

5305.0	6:19	216.6	47	153	9.1	9.2	9.2	8.60	14.7	26.7	1.34
5310.0	6:21	238.6	40	168	9.1	9.2	9.2	8.60	14.7	29.7	1.27
5315.0	6:24	135.4	43	161	9.1	9.2	9.2	8.60	14.7	23.8	1.48
5320.0	6:25	204.2	40	149	9.1	9.2	9.2	8.60	14.7	29.1	1.28
5325.0	6:27	151.5	42	150	9.1	9.2	9.2	8.60	14.8	25.5	1.41
5330.0	6:31	86.5	43	157	9.1	9.2	9.3	8.60	14.8	20.3	1.62
5335.0	6:32	180.2	44	158	9.1	9.2	9.3	8.60	14.8	26.4	1.38

2128

5340.0	6:32	177.4	44	158	9.1	9.2	9.3	8.60	14.8	26.3	1.38
5345.0	6:43	26.6	44	160	9.1	9.2	9.3	8.60	14.8	9.6	2.04
5350.0	6:44	58.9	42	165	9.1	9.2	9.3	8.60	14.8	17.4	1.74
5355.0	6:46	134.4	43	165	9.1	9.2	9.3	8.60	14.8	24.3	1.48
5370.0	6:49	172.4	40	163	9.1	9.3	9.3	8.60	14.8	27.5	1.37
5380.0	6:54	155.9	42	147	9.2	9.5	9.4	8.60	14.8	27.0	1.37
5385.0	7: 7	182.7	43	143	9.4	9.5	9.4	8.60	14.8	27.9	1.33
5390.0	7: 9	222.7	42	162	9.4	9.6	9.5	8.60	14.8	30.5	1.26
5400.0	7:13	142.8	41	163	9.4	9.4	9.5	8.60	14.8	26.2	1.43
5410.0	7:17	137.2	41	155	9.4	9.5	9.5	8.60	14.8	26.6	1.41

2148

5415.0	7:30	111.2	41	140	9.4	9.6	9.6	8.60	14.8	25.6	1.43
5420.0	7:33	125.5	42	157	9.4	7.0	9.6	8.60	14.8	26.1	1.43
5430.0	7:41	162.7	40	155	9.4	8.5	9.6	8.60	14.8	28.9	1.33
5435.0	7:43	171.1	40	157	9.3	9.6	9.6	8.60	14.8	29.8	1.30
5440.0	7:43	122.5	40	157	9.3	9.6	9.6	8.60	14.8	26.8	1.41
5445.0	7:53	120.6	42	154	9.4	9.5	9.6	8.60	14.8	26.0	1.43
5450.0	7:56	158.9	41	156	9.4	9.5	9.6	8.60	14.8	28.8	1.34
5455.0	7:57	96.7	39	156	9.4	9.4	9.6	8.60	14.8	25.2	1.48
5460.0	7:57	133.9	38	156	9.4	9.4	9.6	8.60	14.8	28.8	1.36
5465.0	7:59	144.0	38	156	9.4	9.3	9.6	8.60	14.8	29.4	1.33

2163

5470.0	8: 1	135.0	38	157	9.4	9.3	9.6	8.60	14.8	28.8	1.36
5480.0	8:14	137.7	38	159	9.5	9.4	9.6	8.60	14.8	28.5	1.37
5490.0	8:19	119.3	37	164	9.5	9.4	9.7	8.60	14.8	27.5	1.42
5495.0	8:21	131.5	37	162	9.5	9.4	9.7	8.60	14.8	28.7	1.38
5500.0	8:23	127.9	36	155	9.5	9.4	9.7	8.60	14.8	29.7	1.34
5505.0	8:25	151.6	37	155	9.5	9.5	9.7	8.60	14.8	30.9	1.29
5510.0	8:39	120.5	33	149	9.2	9.6	9.6	8.60	14.8	30.5	1.33
5515.0	8:40	107.5	38	158	9.2	9.6	9.6	8.60	14.8	27.0	1.44
5520.0	8:44	130.6	37	158	9.3	9.6	9.5	8.60	14.8	28.9	1.37
5525.0	8:44	218.1	38	158	9.2	9.7	9.5	8.60	14.8	33.1	1.21

2188

5530.0	8:54	136.2	39	157	9.2	9.6	9.4	8.60	14.8	27.9	1.40
5535.0	8:55	193.5	41	162	9.2	9.6	9.4	8.60	14.9	30.2	1.30
5540.0	8:57	83.5	38	159	9.2	9.6	9.4	8.60	14.9	24.0	1.55
5545.0	8:58	189.1	39	155	9.2	9.6	9.4	8.60	14.9	31.0	1.28
5550.0	8:58	181.0	40	154	9.3	9.6	9.4	8.60	14.9	30.2	1.31
5560.0	9: 3	144.2	38	155	9.3	9.6	9.4	8.60	14.9	28.2	1.39
5565.0	9: 5	141.2	38	156	9.3	9.6	9.4	8.60	14.9	28.3	1.39

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2906											
6820.0	20:48	216.8	47	131	10.1	10.2	9.9	8.60	15.4	37.9	1.19
6825.0	20:53	76.1	38	130	10.1	10.2	10.0	8.60	15.4	31.7	1.45
6830.0	21: 6	92.4	40	130	10.2	10.2	10.1	8.60	15.4	30.1	1.50
6840.0	21:15	86.1	33	133	10.1	10.2	10.3	8.60	15.4	35.0	1.34
6845.0	21:21	42.0	36	119	10.1	10.2	10.3	8.60	15.4	30.2	1.50
6850.0	21:27	53.8	36	119	10.0	10.1	10.3	8.60	15.5	32.1	1.43
6855.0	21:40	58.5	37	118	10.0	10.1	10.3	8.60	15.5	32.2	1.42
6860.0	21:59	27.8	44	128	9.9	10.1	10.2	8.60	15.5	23.4	1.76
6865.0	22: 9	32.1	37	134	10.0	10.1	10.1	8.60	15.5	26.2	1.66
6870.0	22:18	35.2	37	135	10.1	10.1	10.1	8.60	15.5	25.9	1.67
2950											
6875.0	22:29	34.0	42	134	10.1	10.2	10.1	8.60	15.5	24.5	1.73
6880.0	22:36	54.4	44	135	10.3	10.3	10.1	8.60	15.5	26.9	1.63
6885.0	22:42	62.5	47	134	10.4	10.3	10.1	8.60	15.5	27.2	1.62
6890.0	22:59	271.7	46	135	10.2	10.2	10.2	8.60	15.5	30.5	1.49
6895.0	23: 2	136.9	46	128	10.2	10.2	10.2	8.60	15.5	34.0	1.34
6900.0	23: 7	68.7	46	142	10.2	10.2	10.3	8.60	15.5	29.6	1.53
6905.0	23:16	36.0	45	144	10.1	10.1	10.3	8.60	15.5	24.7	1.72
6910.0	23:20	113.9	50	149	10.1	10.1	10.4	8.60	15.5	31.1	1.47
6920.0	23:34	218.4	50	144	10.2	10.1	10.5	8.60	15.5	34.3	1.35
6930.0	23:50	35.1	44	133	10.2	10.2	10.4	8.60	15.5	25.1	1.70
2992											
6940.0	0:14	39.6	41	141	10.1	10.2	10.3	8.60	15.5	24.4	1.73
6950.0	0:31	38.5	40	129	10.1	10.3	10.2	8.60	15.5	26.5	1.65
6955.0	16:53	86.0	15	141	9.9	10.2	10.0	8.60	15.5	45.8	1.10
6960.0	16:55	78.0	16	141	9.9	10.2	10.0	8.60	15.5	44.6	1.14
6965.0	16:59	80.7	15	142	9.9	10.1	10.0	8.60	15.5	45.8	1.12
6970.0	17: 1	78.4	24	143	9.9	10.1	10.0	8.60	15.5	38.1	1.27
6975.0	17: 3	80.3	24	144	9.9	10.1	10.0	8.60	15.5	38.2	1.26
6980.0	17: 5	77.9	24	144	9.9	10.0	10.0	8.60	15.5	38.4	1.26
6985.0	17:28	48.2	23	144	9.9	10.0	10.0	8.60	15.5	34.9	1.38
6990.0	17:33	86.5	30	103	9.9	10.2	10.0	8.60	15.5	38.2	1.21
3035											
6995.0	17:38	57.1	28	103	9.9	10.2	10.0	8.60	15.5	35.4	1.32
7000.0	17:39	90.2	31	102	10.0	10.2	10.0	8.60	15.5	38.2	1.21
7005.0	17:42	80.7	31	102	10.0	10.2	10.0	8.60	15.5	37.2	1.24
7010.0	17:55	80.7	32	106	10.1	10.2	10.0	8.60	15.5	36.5	1.26
7015.0	17:57	91.9	26	107	10.2	10.2	10.1	8.60	15.5	40.7	1.16
7020.0	17:59	83.7	29	103	10.2	10.2	10.1	8.60	15.5	38.9	1.20
7030.0	18:10	67.7	27	103	10.1	10.0	10.1	8.60	15.5	37.5	1.26
7035.0	18:14	68.0	28	104	10.0	9.8	10.1	8.60	15.5	37.2	1.26
7040.0	18:25	47.4	29	104	10.0	9.9	10.1	8.60	15.5	32.3	1.43
7050.0	18:58	33.9	28	116	9.9	10.0	10.1	8.60	15.5	30.9	1.50
3066											
7055.0	19: 5	51.2	25	101	10.0	10.2	10.0	8.60	15.5	36.7	1.32
7060.0	19:16	35.2	22	100	10.0	10.1	10.0	8.60	15.5	35.7	1.38
7065.0	19:20	97.9	22	99	10.0	10.0	10.1	8.60	15.5	45.0	1.07
7070.0	20:20	84.6	24	102	10.0	10.0	10.1	8.60	15.5	41.6	1.17
7080.0	20:30	135.5	32	104	10.2	9.9	10.1	8.60	15.5	42.2	1.10
7085.0	20:35	75.3	32	101	10.2	10.0	10.1	8.60	15.6	36.2	1.31
7090.0	20:38	55.2	30	102	10.2	10.0	10.2	8.60	15.6	36.1	1.32
7095.0	20:44	55.5	31	102	10.2	9.9	10.2	8.60	15.6	35.7	1.33
7100.0	20:48	87.2	33	101	10.2	9.9	10.2	8.60	15.6	37.1	1.27
7105.0	20:50	56.5	33	102	10.2	9.9	10.3	8.60	15.6	35.3	1.34

DUMP B

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



DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS

NEW BIT ID: 2											

785.0	7:26	1.18	62	67	.00	.00	12	7	1029	.0	1
790.0	7:26	1.06	62	67	.00	.00	12	7	1000	.0	1
800.0	7:27	1.13	62	67	.00	.00	12	7	1000	.0	1
810.0	7:27	1.05	62	67	.00	.00	12	7	720	.0	1
840.0	7:54	1.31	63	67	.00	.00	12	7	579	.0	1
870.0	7:58	1.49	63	68	.00	.00	12	7	1015	.0	1
900.0	7:58	.58	63	68	.00	.00	12	7	1015	.0	1
930.0	7:59	.83	63	68	.00	.00	12	7	1015	.0	1
950.0	8:18	1.19	63	68	.00	.00	12	7	957	.0	1
965.0	8:44	1.27	66	69	.00	.00	12	7	974	.0	1
82											
980.0	8:44	1.31	66	69	.00	.00	12	7	1032	.0	1
990.0	9:19	1.13	66	69	.00	.00	12	7	1032	.0	1
1000.0	9:22	1.26	68	69	.00	.00	12	7	999	.0	1
1015.0	9:23	1.22	68	69	.00	.00	12	7	1005	.0	1
1030.0	9:32	1.02	68	69	.00	.00	12	7	895	.0	1
1050.0	9:36	1.01	68	69	.00	.00	12	7	783	.0	2
1070.0	9:53	.85	68	69	.00	.00	12	7	450	.0	2
1080.0	9:53	.87	68	69	.00	.00	12	7	523	.0	1
1090.0	10: 8	1.25	68	69	.00	.00	12	7	559	.0	1
1095.0	10:10	1.35	68	69	.00	.00	12	7	567	.0	2
95											
1105.0	10:31	1.31	68	69	.00	.00	12	7	555	.0	1
1110.0	10:32	1.03	68	69	.00	.00	12	7	522	.0	1
1120.0	10:32	.96	68	69	.00	.00	12	7	522	.0	1
1130.0	10:33	.94	68	69	.00	.00	12	7	525	.0	1
1150.0	10:47	1.19	68	70	.00	.00	12	7	536	.0	2
1170.0	11: 2	1.16	68	70	.00	.00	12	7	526	.0	2
1200.0	11:35	1.27	68	69	.00	.00	12	7	537	.0	2
1230.0	11:37	.87	68	69	.00	.00	12	7	531	.0	3
1255.0	11:53	1.33	68	69	.00	.00	12	7	782	.0	2
1260.0	11:54	1.60	68	69	.00	.00	12	7	1017	.0	1
111											
1270.0	11:55	1.33	68	69	.00	.00	12	7	1012	.0	1
1275.0	11:58	1.80	68	69	.00	.00	12	7	994	.0	5
1280.0	11:59	1.60	68	69	.00	.00	12	7	1002	.0	2
1285.0	13:46	1.92	71	68	.00	.00	12	7	961	.0	2
1290.0	13:47	1.50	71	68	.00	.00	12	7	1006	.0	3
1300.0	13:48	.80	71	68	.00	.00	12	7	995	.0	1
1305.0	13:49	1.04	71	68	.00	.00	12	7	998	.0	1
1310.0	13:51	1.45	71	68	.00	.00	12	7	1002	.0	3
1315.0	14: 9	1.04	71	68	.00	.00	12	7	894	.0	3
1320.0	14: 9	.85	68	68	.00	.00	12	7	1006	.0	1
133											
1325.0	14: 9	.67	68	68	.00	.00	12	7	1006	.0	1
1330.0	14:10	.46	68	68	.00	.00	12	7	1006	.0	1
1340.0	14:10	.17	68	68	.00	.00	12	7	1006	.0	1
1345.0	14:19	1.75	69	68	.00	.00	12	7	995	.0	3
1350.0	14:20	1.68	70	67	.00	.00	12	7	987	.0	2
1355.0	14:22	.82	70	68	.00	.00	12	7	806	.0	2
1360.0	14:22	.08	70	68	.00	.00	12	7	799	.0	1

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
144											
1370.0	14:25	1.34	70	68	.00	.00	12	7	759	.0	5
1375.0	14:41	1.55	70	67	.00	.00	12	7	690	.0	3
1380.0	14:43	1.75	71	73	.00	.00	12	7	1013	.0	5
1385.0	14:47	1.87	71	73	.00	.00	12	7	1024	.0	5
1390.0	14:49	1.32	71	74	.00	.00	12	7	1020	.0	3
1400.0	14:51	1.60	71	74	.00	.00	12	7	1023	.0	4
1410.0	15: 0	1.82	71	74	.00	.00	12	7	983	.0	6
1415.0	15: 2	1.87	71	74	.00	.00	12	7	1022	.0	4
1420.0	15: 4	1.77	70	74	.00	.00	12	7	1026	.0	4
1425.0	15: 5	1.19	70	74	.00	.00	12	7	1022	.0	2
185											
1430.0	15: 6	1.56	70	74	.00	.00	12	7	1025	.0	1
1435.0	15:17	1.67	70	74	.00	.00	12	7	1009	.0	4
1440.0	15:19	1.75	70	74	.00	.00	12	7	1021	.0	5
1445.0	15:19	1.12	70	74	.00	.00	12	7	1021	.0	2
1450.0	15:21	1.52	70	74	.00	.00	12	7	1028	.0	5
1455.0	15:23	1.50	70	75	.00	.00	12	7	1028	.0	3
1460.0	15:24	1.78	70	75	.00	.00	12	7	1027	.0	1
1465.0	15:25	1.69	70	75	.00	.00	12	7	1027	.0	3
1470.0	16: 2	1.62	71	75	.00	.00	12	7	950	.0	3
1480.0	16: 5	1.60	72	75	.00	.00	12	7	992	.0	5
217											
1490.0	16: 7	1.74	72	75	.00	.00	12	7	996	.0	4
1495.0	16: 8	1.65	72	75	.00	.00	12	7	995	.0	3
1500.0	16:10	1.61	72	75	.00	.00	12	7	994	.0	5
1505.0	16:21	1.56	72	75	.00	.00	12	7	997	.0	3
1510.0	16:23	1.14	73	75	.00	.00	12	7	997	.0	2
1520.0	16:23	1.24	73	76	.00	.00	12	7	1000	.0	1
1525.0	16:25	1.64	73	76	.00	.00	12	7	1000	.0	3
1530.0	16:27	1.58	73	76	.00	.00	12	7	1000	.0	5
1540.0	16:36	1.47	74	77	.00	.00	12	7	999	.0	7
1545.0	16:40	1.58	74	78	.00	.00	12	7	1003	.0	4
254											
1550.0	16:42	1.65	75	78	.00	.00	12	7	1006	.0	5
1555.0	16:44	1.74	75	78	.00	.00	12	7	1005	.0	4
1560.0	16:45	1.60	75	78	.00	.00	12	7	1005	.0	2
1570.0	17: 3	1.98	75	78	.00	.00	12	7	943	.0	3
1575.0	17: 6	1.54	76	78	.00	.00	12	7	984	.0	5
1580.0	17: 9	1.53	76	78	.00	.00	12	7	984	.0	5
1585.0	17:10	1.33	76	78	.00	.00	12	7	981	.0	2
1590.0	17:11	1.00	76	78	.00	.00	12	7	983	.0	1
1595.0	17:35	1.64	77	79	.00	.00	12	7	955	.0	3
1600.0	17:37	2.04	77	79	.00	.00	12	7	974	.0	5
289											
1605.0	17:39	1.71	77	79	.00	.00	12	7	980	.0	5
1610.0	17:41	1.57	77	79	.00	.00	12	7	980	.0	5
1615.0	17:43	1.59	77	79	.00	.00	12	7	980	.0	4
1625.0	18: 3	1.86	78	80	.00	.00	12	7	860	.0	3
1640.0	18:20	1.81	79	78	.00	.00	12	7	962	.0	5
1650.0	18:23	1.65	79	81	.00	.00	12	7	997	.0	6
1655.0	18:28	1.57	79	81	.00	.00	12	7	995	.0	5
1660.0	19:12	1.63	80	82	.00	.00	12	7	966	.0	5
1665.0	19:15	1.57	81	83	.00	.00	12	7	985	.0	5
1670.0	19:24	1.57	81	84	.00	.00	12	7	971	.0	5
337											

ESP 1010

ESSD SWORDFISH # 1

PAGE 3 - B

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDDM	RECS
1675.0	19:33	1.54	82	84	.00	.00	12	7	971	.0	5
1680.0	19:34	1.20	82	85	.00	.00	12	7	900	.0	1
1690.0	19:47	1.63	82	84	.00	.00	12	7	955	.0	2
1695.0	19:49	1.74	82	84	.00	.00	12	7	982	.0	5
1700.0	19:51	1.49	82	84	.00	.00	12	7	971	.0	5
1705.0	19:53	1.92	82	84	.00	.00	12	7	974	.0	5
1710.0	20: 0	1.56	82	85	.00	.00	12	7	976	.0	4
1720.0	20:15	1.45	81	85	.00	.00	12	7	972	.0	4
1725.0	20:17	1.47	81	84	.00	.00	12	7	993	.0	5
1730.0	20:19	1.48	81	84	.00	.00	12	7	965	.0	5
378											
1735.0	20:21	1.53	81	85	.00	.00	12	7	970	.0	5
1740.0	20:26	1.16	82	85	.00	.00	12	7	974	.0	5
1745.0	20:56	1.39	82	85	.00	.00	12	7	935	.0	3
1750.0	20:58	1.79	82	85	.00	.00	12	7	1004	.0	5
1755.0	21: 0	1.73	82	85	.00	.00	12	7	995	.0	5
1760.0	21: 3	1.56	82	85	.00	.00	12	7	972	.0	5
1765.0	21:13	1.70	82	85	.00	.00	12	7	980	.0	5
1770.0	21:20	1.71	82	86	.00	.00	12	7	991	.0	5
1775.0	21:21	1.44	82	86	.00	.00	12	7	994	.0	1
1780.0	21:21	1.35	82	86	.00	.00	12	7	994	.0	1
418											
1790.0	21:23	1.54	82	85	.00	.00	12	7	978	.0	4
1795.0	21:28	1.95	83	85	.00	.00	12	7	967	.0	4
1800.0	21:30	1.87	83	86	.00	.00	12	7	980	.0	5
1805.0	21:32	1.64	83	86	.00	.00	12	7	967	.0	5
1810.0	21:34	1.72	82	86	.00	.00	12	7	963	.0	5
1815.0	21:40	1.50	82	86	.00	.00	12	7	964	.0	5
1820.0	21:56	1.65	83	86	.00	.00	12	7	977	.0	5
1825.0	21:58	1.82	83	86	.00	.00	12	7	954	.0	5
1830.0	22:12	1.82	83	86	.00	.00	12	7	950	.0	4
1840.0	22:12	1.56	83	86	.00	.00	12	7	964	.0	1
461											
1845.0	22:13	1.19	84	86	.00	.00	12	7	964	.0	1
1850.0	22:14	1.28	84	86	.00	.00	12	7	964	.0	1
1855.0	22:15	1.53	84	86	.00	.00	12	7	969	.0	1
1860.0	22:16	1.94	84	86	.00	.00	12	7	965	.0	1
1865.0	22:17	2.08	84	86	.00	.00	12	7	965	.0	1
1870.0	22:19	1.95	84	86	.00	.00	12	7	987	.0	5
1875.0	22:30	2.13	84	86	.00	.00	12	7	1008	.0	4
1880.0	22:31	2.02	84	86	.00	.00	12	7	1005	.0	1
1885.0	22:32	1.87	84	86	.00	.00	12	7	1005	.0	1
1890.0	22:33	1.78	84	86	.00	.00	12	7	1005	.0	1
478											
1895.0	22:34	2.02	84	86	.00	.00	12	7	1000	.0	1
1900.0	22:35	2.03	84	86	.00	.00	12	7	1000	.0	1
1905.0	22:37	2.05	84	86	.00	.00	12	7	1003	.0	5
1910.0	22:50	2.30	84	86	.00	.00	12	7	986	.0	3
1915.0	22:52	2.47	85	86	.00	.00	12	7	987	.0	5
1920.0	22:54	2.50	85	86	.00	.00	12	7	991	.0	5
1925.0	22:56	2.32	85	86	.00	.00	12	7	989	.0	5
1940.0	23: 7	2.37	83	86	.00	.00	12	7	989	.0	5
1945.0	23: 8	2.38	83	87	.00	.00	12	7	963	.0	1
1950.0	23: 9	2.34	83	87	.00	.00	12	7	967	.0	1

510

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
510											
1955.0	23:10	2.23	83	86	.00	.00	12	7	989	.0	1
1960.0	23:11	2.18	83	86	.00	.00	12	7	984	.0	1
1965.0	23:12	2.58	83	86	.00	.00	12	7	984	.0	2
1970.0	23:14	2.51	82	86	.00	.00	12	7	987	.0	5
1975.0	23:28	2.61	82	86	.00	.00	12	7	1004	.0	5
1980.0	23:30	2.62	82	86	.00	.00	12	7	1017	.0	5
1985.0	23:32	2.71	82	86	.00	.00	12	7	1017	.0	5
1990.0	23:34	2.69	82	86	.00	.00	12	7	1014	.0	5
1995.0	23:36	2.51	83	86	.00	.00	12	7	1015	.0	5
2000.0	23:39	2.72	83	86	.00	.00	12	7	1015	.0	1
545											
2005.0	23:55	2.51	83	86	.00	.00	12	7	1006	.0	4
2010.0	23:57	2.60	83	86	.00	.00	12	7	1022	.0	5
2015.0	23:59	2.53	84	86	.00	.00	12	7	1023	.0	5
2020.0	0: 0	2.23	84	86	.00	.00	12	7	1018	.0	1
2025.0	0: 1	2.11	84	86	.00	.00	12	7	1018	.0	1
2030.0	0: 3	2.22	84	86	.00	.00	12	7	1024	.0	3
2040.0	0:17	2.37	85	86	.00	.00	12	7	1065	.0	6
2045.0	0:20	1.82	86	87	.00	.00	12	7	1106	.0	5
2050.0	0:22	2.23	87	87	.00	.00	12	7	1243	.0	5
2055.0	0:24	2.07	87	87	.00	.00	12	7	1241	.0	5
585											
2060.0	0:25	1.58	87	87	.00	.00	12	7	1139	.0	2
2065.0	0:26	1.75	87	87	.00	.00	12	7	1115	.0	2
2070.0	0:41	1.70	88	88	.00	.00	12	7	1079	.0	2
2075.0	0:42	2.22	88	88	.00	.00	12	7	1082	.0	1
2080.0	0:43	2.11	88	88	.00	.00	12	7	1077	.0	1
2090.0	0:44	1.73	88	88	.00	.00	12	7	1077	.0	1
2100.0	0:45	1.81	88	88	.00	.00	12	7	1077	.0	1
2105.0	0:46	1.91	88	88	.00	.00	12	7	1073	.0	1
2110.0	0:48	2.13	88	88	.00	.00	12	7	1073	.0	3
2115.0	1: 6	2.02	89	88	.00	.00	12	7	1073	.0	5
604											
2120.0	1: 8	1.93	89	88	.00	.00	12	7	1085	.0	5
2125.0	1:12	1.83	90	88	.00	.00	12	7	1085	.0	5
2130.0	1:35	1.93	90	88	.00	.00	12	7	1078	.0	4
2135.0	1:38	2.22	91	89	.00	.00	12	7	1097	.0	5
2140.0	1:42	2.33	92	89	.00	.00	12	7	1042	.0	5
2145.0	1:44	2.19	92	89	.00	.00	12	7	1081	.0	5
2155.0	1:59	1.86	92	89	.00	.00	12	7	1104	.0	4
2165.0	2: 0	2.04	92	89	.00	.00	12	7	1164	.0	3
2170.0	2: 2	2.13	92	89	.00	.00	12	7	1164	.0	2
2175.0	2: 6	2.36	92	89	.00	.00	12	7	1164	.0	4
646											
2180.0	2:10	2.09	92	89	.00	.00	12	7	1148	.0	4
2200.0	2:26	2.31	92	89	.00	.00	12	7	1275	.0	3
2205.0	2:28	2.12	92	90	.00	.00	12	7	1268	.0	5
2210.0	2:30	2.00	92	90	.00	.00	12	7	1268	.0	5
2215.0	2:32	2.09	92	90	.00	.00	12	7	1272	.0	5
2220.0	2:40	1.88	92	90	.00	.00	12	7	1272	.0	5
2225.0	2:52	2.00	92	91	.00	.00	12	7	1258	.0	3
2230.0	3: 0	2.12	92	91	.00	.00	12	7	1262	.0	5
2235.0	3: 1	2.08	92	91	.00	.00	12	7	1261	.0	2
2240.0	3: 3	2.01	93	91	.00	.00	12	7	1261	.0	3
691											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDDV	RECDS
691											
2245.0	3:13	1.81	94	91	.00	.00	12	7	1253	.0	1
2250.0	3:13	2.20	94	91	.00	.00	12	7	1244	.0	1
2255.0	3:13	2.07	94	91	.00	.00	12	7	1244	.0	1
2260.0	3:16	1.98	94	91	.00	.00	12	7	1244	.0	5
2265.0	3:20	2.06	94	91	.00	.00	12	7	1251	.0	5
2270.0	3:21	2.12	95	91	.00	.00	12	7	1255	.0	4
2275.0	3:23	2.19	95	91	.00	.00	12	7	1255	.0	5
2280.0	3:25	2.35	95	91	.00	.00	12	7	1251	.0	5
2290.0	3:40	2.44	96	91	.00	.00	12	7	1258	.0	6
2295.0	3:42	2.39	96	91	.00	.00	12	7	1276	.0	5
729											
2300.0	3:45	2.33	96	91	.00	.00	12	7	1266	.0	5
2305.0	3:47	2.47	96	91	.00	.00	12	7	1264	.0	5
2310.0	3:49	2.58	97	91	.00	.00	12	7	1264	.0	5
2315.0	3:51	2.45	97	91	.00	.00	12	7	1267	.0	5
2320.0	4: 3	2.39	97	92	.00	.00	12	7	1253	.0	4
2325.0	4: 5	2.34	97	92	.00	.00	12	7	1286	.0	5
2330.0	4: 7	2.30	97	92	.00	.00	12	7	1284	.0	5
2335.0	4: 9	2.34	98	92	.00	.00	12	7	1284	.0	5
2340.0	4:11	2.29	98	92	.00	.00	12	7	1284	.0	5
2345.0	4:13	2.23	98	92	.00	.00	12	7	1284	.0	5
778											
2350.0	4:29	2.14	98	92	.00	.00	12	7	1235	.0	3
2355.0	4:31	2.33	98	92	.00	.00	12	7	1245	.0	5
2360.0	4:33	2.40	98	92	.00	.00	12	7	1248	.0	5
2365.0	4:35	2.36	98	92	.00	.00	12	7	1243	.0	5
2370.0	4:37	2.35	98	92	.00	.00	12	7	1243	.0	5
2375.0	4:50	2.40	98	92	.00	.00	12	7	1240	.0	3
2380.0	4:51	2.38	98	92	.00	.00	12	7	1269	.0	3
2385.0	4:52	2.21	98	92	.00	.00	12	7	1269	.0	3
2390.0	4:55	2.72	98	92	.00	.00	12	7	1268	.0	5
2395.0	4:57	2.40	98	92	.00	.00	12	7	1265	.0	5
820											
2400.0	4:59	2.57	98	92	.00	.00	15	10	1239	.0	5
2405.0	5: 1	2.51	99	92	.00	.00	16	10	1245	.0	5
2410.0	5: 3	2.42	99	92	.00	.00	16	10	1241	.0	3
2415.0	5:12	2.35	99	92	.00	.00	16	10	1256	.0	4
2420.0	5:15	2.42	100	92	.00	.00	16	10	1238	.0	5
2425.0	5:17	2.35	100	92	.00	.00	16	10	1234	.0	5
2430.0	5:19	2.34	100	93	.00	.00	16	10	1241	.0	5
2435.0	5:21	2.40	100	101	.00	.00	16	10	1248	.0	5
2440.0	5:23	2.42	100	101	.00	.00	16	10	1245	.0	5
2445.0	5:25	2.36	100	101	.00	.00	16	10	1243	.0	5
867											
2450.0	5:27	2.33	100	101	.00	.00	16	10	1246	.0	5
2455.0	5:29	2.49	100	101	.00	.00	16	10	1247	.0	5
2460.0	5:54	2.72	101	100	.00	.00	16	10	1224	.0	4
2465.0	6: 0	2.71	101	100	.00	.00	16	10	1265	.0	5
2470.0	6:13	2.66	101	100	.00	.00	16	10	1236	.0	2
2475.0	6:15	2.58	101	100	.00	.00	16	10	1256	.0	5
2480.0	6:17	2.74	102	101	.00	.00	16	10	1255	.0	5
2485.0	6:19	2.68	102	100	.00	.00	16	10	1244	.0	5
2490.0	6:22	2.71	102	100	.00	.00	16	10	1247	.0	5
2495.0	6:24	2.71	102	100	.00	.00	16	10	1250	.0	5

913

ESP 1010				ESSO SWORDFISH # 1				PAGE 6 - B		RECIDS	
DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	
913											
2500.0	6:26	2.70	102	100	.00	.00	16	10	1259	.0	5
2505.0	6:28	2.68	102	100	.00	.00	16	10	1255	.0	5
2510.0	6:38	2.75	99	100	.00	.00	16	10	1244	.0	4
2515.0	6:41	2.63	100	100	.00	.00	16	10	1263	.0	5
2520.0	6:43	2.70	100	100	.00	.00	16	10	1261	.0	5
2525.0	6:45	2.62	100	100	.00	.00	16	10	1264	.0	5
2530.0	6:47	2.61	100	100	.00	.00	16	10	1260	.0	5
2540.0	6:58	2.75	101	100	.00	.00	16	10	1260	.0	5
2545.0	7: 2	2.91	101	99	.00	.00	16	10	1260	.0	5
2550.0	7: 4	3.00	102	99	.00	.00	16	10	1248	.0	5
962											
2555.0	7: 8	2.98	102	100	.00	.00	16	10	1251	.0	5
2560.0	7:11	2.93	100	100	.00	.00	16	10	1252	.0	4
2565.0	7:13	3.03	100	100	.00	.00	16	10	1247	.0	5
2570.0	7:25	2.98	100	100	.00	.00	16	10	1240	.0	4
2575.0	7:27	2.90	100	100	.00	.00	16	10	1221	.0	5
2580.0	7:29	2.83	100	100	.00	.00	16	10	1222	.0	5
2585.0	7:31	2.88	100	100	.00	.00	16	10	1221	.0	5
2590.0	7:33	2.88	100	100	.00	.00	16	10	1216	.0	5
2595.0	7:35	2.94	100	100	.00	.00	16	10	1212	.0	5
2600.0	7:43	2.95	100	100	.00	.00	16	10	1224	.0	5
1010											
2605.0	7:59	2.98	101	100	.00	.00	16	10	1259	.0	5
2610.0	8: 1	2.96	101	101	.00	.00	16	10	1248	.0	5
2615.0	8: 4	3.02	101	101	.00	.00	16	10	1252	.0	5
2620.0	8: 7	3.06	101	101	.00	.00	16	10	1301	.0	4
2625.0	8: 9	3.00	101	101	.00	.00	16	10	1150	.0	5
2630.0	8:17	2.94	101	101	.00	.00	16	10	1145	.0	5
2635.0	8:19	2.93	101	101	.00	.00	16	10	1258	.0	5
2640.0	8:22	2.90	101	101	.00	.00	16	10	1252	.0	5
2645.0	8:24	2.86	101	101	.00	.00	16	10	1252	.0	5
2650.0	8:27	2.96	101	101	.00	.00	16	10	1251	.0	5
1059											
2655.0	8:30	2.93	101	101	.00	.00	16	10	1227	.0	5
2660.0	8:32	2.94	101	101	.00	.00	16	10	1228	.0	5
2665.0	8:45	2.87	101	101	.00	.00	16	10	1214	.0	5
2670.0	8:47	2.97	101	102	.00	.00	16	10	1238	.0	5
2675.0	8:49	2.92	101	102	.00	.00	16	10	1235	.0	5
2680.0	8:51	2.88	101	102	.00	.00	16	10	1233	.0	5
2685.0	8:59	2.96	101	102	.00	.00	16	10	1235	.0	5
2690.0	9: 1	3.08	101	102	.00	.00	16	10	1230	.0	5
2695.0	9: 3	3.20	102	102	.00	.00	16	10	1231	.0	5
2700.0	9:18	3.01	102	102	.00	.00	16	10	1219	.0	5
1109											
2705.0	9:20	3.00	102	102	.00	.00	16	10	1238	.0	5
2710.0	9:22	3.00	102	102	.00	.00	16	10	1236	.0	5
2715.0	9:24	2.96	102	102	.00	.00	16	10	1236	.0	5
2720.0	9:26	3.04	102	102	.00	.00	16	10	1233	.0	5
2725.0	9:28	2.87	102	102	.00	.00	16	10	1235	.0	5
2730.0	9:43	2.91	102	102	.00	.00	16	10	1224	.0	5
2735.0	9:45	2.81	101	102	.00	.00	16	10	1232	.0	5
2740.0	9:53	2.95	101	102	.00	.00	16	10	1223	.0	5
2745.0	9:56	3.06	99	102	.00	.00	16	10	1226	.0	5
2750.0	10: 2	3.07	99	102	.00	.00	16	10	1229	.0	5
1159											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
1159											
2755.0	10: 3	2.91	99	102	.00	.00	16	10	1228	.0	4
2760.0	10:19	3.01	99	101	.00	.00	16	10	1215	.0	5
2765.0	10:22	3.10	100	102	.00	.00	16	10	1231	.0	5
2770.0	10:24	3.33	100	102	.00	.00	16	10	1231	.0	5
2775.0	10:26	3.33	101	102	.00	.00	16	10	1235	.0	5
2780.0	10:28	3.37	101	102	.00	.00	16	10	1231	.0	5
2785.0	10:31	3.34	101	102	.00	.00	16	10	1231	.0	5
2790.0	10:43	3.35	102	102	.00	.00	16	10	1191	.0	4
2795.0	10:45	3.32	102	102	.00	.00	16	10	1212	.0	5
2800.0	10:47	3.33	102	102	.00	.00	16	10	1214	.0	5
1207											
2805.0	10:50	3.23	102	102	.00	.00	16	10	1210	.0	5
2810.0	10:55	3.24	102	102	.00	.00	16	10	1214	.0	5
2815.0	10:57	3.25	102	101	.00	.00	16	10	1213	.0	5
2820.0	10:59	3.27	102	101	.00	.00	16	10	1214	.0	4
2825.0	11:18	3.16	103	111	.00	.00	16	10	1210	.0	4
2830.0	11:22	3.13	104	117	.00	.00	16	10	1224	.0	5
2835.0	11:24	3.18	104	117	.00	.00	16	10	1220	.0	5
2840.0	11:26	3.14	104	118	.00	.00	16	10	1218	.0	5
2845.0	11:28	3.17	104	118	.00	.00	16	10	1217	.0	5
2850.0	11:30	3.22	104	118	.00	.00	16	10	1220	.0	5
1255											
2855.0	11:32	3.16	104	113	.00	.00	16	10	1221	.0	5
2860.0	11:55	3.26	104	112	.00	.00	16	10	1139	.0	5
2865.0	12: 0	3.16	105	111	.00	.00	16	10	1147	.0	5
2870.0	12: 2	3.30	105	111	.00	.00	16	10	1142	.0	5
2875.0	12: 4	3.20	105	111	.00	.00	16	10	1142	.0	5
2880.0	12: 6	3.11	105	111	.00	.00	16	10	1144	.0	5
2885.0	12:31	3.04	105	111	.00	.00	16	10	1143	.0	4
2890.0	12:35	3.13	104	111	.00	.00	16	10	1203	.0	5
2895.0	12:39	3.20	104	111	.00	.00	16	10	1255	.0	5
2900.0	12:41	3.14	104	111	.00	.00	16	10	1246	.0	5
1304											
2905.0	12:43	3.12	105	111	.00	.00	16	10	1244	.0	5
2910.0	12:45	3.09	105	111	.00	.00	16	10	1244	.0	5
2915.0	13: 5	3.12	106	111	.00	.00	16	10	1237	.0	5
2920.0	13:11	3.32	105	111	.00	.00	16	10	1235	.0	4
2925.0	13:13	3.15	105	111	.00	.00	16	10	1238	.0	5
2930.0	13:15	3.22	105	111	.00	.00	16	10	1235	.0	5
2935.0	13:17	3.23	105	111	.00	.00	16	10	1233	.0	5
2940.0	13:20	3.29	105	111	.00	.00	16	10	1238	.0	5
2945.0	13:30	3.19	105	111	.00	.00	16	10	1235	.0	5
2950.0	13:54	3.25	104	111	.00	.00	16	10	1251	.0	5
1353											
2955.0	13:56	3.25	104	110	.00	.00	16	10	1254	.0	5
2960.0	13:58	3.25	104	110	.00	.00	16	10	1259	.0	5
2965.0	14: 0	3.32	104	110	.00	.00	16	10	1250	.0	5
2970.0	14: 2	3.12	104	110	.00	.00	16	10	1245	.0	5
2975.0	14:12	3.01	105	110	.00	.00	16	10	1237	.0	5
2980.0	14:32	3.00	105	110	.00	.00	16	10	1222	.0	5
2985.0	14:47	3.04	105	107	.00	.00	16	10	1235	.0	5
2990.0	14:49	3.32	105	107	.00	.00	16	10	1233	.0	5
2995.0	14:51	3.40	105	107	.00	.00	16	10	1234	.0	5
3000.0	14:53	3.44	105	107	.00	.00	16	10	1234	.0	5
1403											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
1403											
3005.0	14:55	3.15	105	107	.00	.00	16	10	1231	.0	5
3010.0	15:13	3.43	105	108	.00	.00	16	10	1152	.0	5
3015.0	15:19	3.62	105	108	.00	.00	16	10	1087	.0	5
3020.0	15:21	3.69	105	108	.00	.00	16	10	1091	.0	4
3030.0	0: 3	3.07	77	90	.00	.00	10	10	971	.0	1
3035.0	0: 9	3.45	77	91	.00	.00	10	10	971	.0	1
3040.0	0:15	3.55	81	95	.00	.00	10	10	971	.0	1
3045.0	0:16	3.27	81	95	.00	.00	10	10	971	.0	1
3050.0	0:19	3.59	81	95	.00	.00	10	10	971	.0	1
3055.0	0:20	3.57	81	95	.00	.00	10	10	971	.0	1
1432											
3060.0	0:22	3.47	81	95	.00	.00	10	10	971	.0	1
3070.0	0:27	3.62	82	96	.00	.00	10	10	971	.0	1
3080.0	0:31	3.48	84	97	.00	.00	10	10	971	.0	1
3090.0	0:36	3.60	84	95	.00	.00	10	10	976	.0	1
3100.0	0: 1	3.09	84	95	.00	.00	10	10	976	.0	1
3120.0	0: 3	3.04	87	95	.00	.00	10	10	976	.0	1
3140.0	0:15	3.57	89	95	.00	.00	10	10	977	.0	2
3150.0	0:21	3.55	89	96	.00	.00	10	10	976	.0	1
3155.0	0:24	3.62	90	98	.00	.00	10	10	976	.0	2
3160.0	0:26	3.35	90	98	.00	.00	10	10	976	.0	1
1444											
3165.0	0:28	3.48	94	54	.00	.00	10	10	976	.0	2
3170.0	0:30	3.55	92	98	.00	.00	10	10	958	.0	1
3175.0	0:33	3.68	92	98	.00	.00	10	10	958	.0	1
3180.0	0:34	3.40	92	98	.00	.00	10	10	958	.0	1
3195.0	0:41	3.59	92	98	.00	.00	10	10	958	.0	1
3200.0	0:44	3.71	93	98	.00	.00	10	10	958	.0	3
3220.0	0:53	3.65	94	99	.00	.00	10	10	958	.0	3
3230.0	1: 1	3.85	95	100	.00	.00	10	10	958	.0	3
3240.0	1: 6	3.67	95	100	.00	.00	10	10	950	.0	1
3245.0	1: 8	3.47	95	100	.00	.00	10	10	950	.0	1
1461											
3250.0	1:10	3.62	95	100	.00	.00	10	10	950	.0	1
3270.0	1:13	3.30	96	100	.00	.00	10	10	933	.0	2
3275.0	1:15	3.42	97	100	.00	.00	10	10	901	.0	1
3285.0	1:19	3.58	98	100	.00	.00	10	10	924	.0	1
3300.0	1:24	3.35	98	100	.00	.00	10	10	924	.0	1
3310.0	1:29	3.62	98	101	.00	.00	10	10	924	.0	1
3315.0	1:30	3.25	99	101	.00	.00	10	10	924	.0	1
3320.0	1:32	3.65	99	101	.00	.00	10	10	929	.0	1
3325.0	1:35	3.69	99	101	.00	.00	10	10	929	.0	1
3330.0	1:37	3.63	99	101	.00	.00	10	10	929	.0	1
1472											
3335.0	1:40	3.63	99	101	.00	.00	10	10	929	.0	1
3340.0	1:41	3.33	99	102	.00	.00	10	10	921	.0	1
3345.0	1:44	3.78	99	102	.00	.00	10	10	921	.0	1
3360.0	1:49	3.56	99	102	.00	.00	10	10	921	.0	1
3370.0	1:54	3.67	99	102	.00	.00	10	10	921	.0	1
3375.0	1:56	3.60	101	102	.00	.00	10	10	874	.0	1
3380.0	1:58	3.62	102	102	.00	.00	10	10	872	.0	1
3390.0	2: 1	3.56	107	103	.00	.00	10	10	868	.0	2
3400.0	2: 5	3.55	102	103	.00	.00	10	10	872	.0	1
3415.0	2:12	3.82	102	103	.00	.00	10	10	903	.0	2
1484											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
1484											
3420.0	2:13	3.45	101	104	.00	.00	10	10	923	.0	1
3425.0	2:15	3.50	101	104	.00	.00	10	10	920	.0	1
3430.0	2:17	3.67	101	104	.00	.00	10	10	920	.0	1
3435.0	2:19	3.68	101	104	.00	.00	10	10	925	.0	2
3440.0	2:21	3.67	101	104	.00	.00	10	10	925	.0	1
3445.0	2:23	3.67	101	104	.00	.00	10	10	925	.0	1
3450.0	2:25	3.59	101	104	.00	.00	10	10	922	.0	1
3455.0	2:26	3.54	101	104	.00	.00	10	10	917	.0	1
3460.0	2:28	3.53	100	104	.00	.00	10	10	920	.0	1
3470.0	2:31	3.58	102	105	.00	.00	10	10	928	.0	2
1496											
3480.0	2:35	3.58	102	105	.00	.00	10	10	930	.0	1
3490.0	2:39	3.66	102	105	.00	.00	10	10	925	.0	1
3500.0	2:43	3.64	102	105	.00	.00	10	10	925	.0	1
3505.0	2:45	3.65	103	105	.00	.00	10	10	925	.0	1
3510.0	2:47	3.50	103	105	.00	.00	10	10	925	.0	1
3515.0	2:49	3.54	103	105	.00	.00	10	10	930	.0	1
3520.0	2:50	3.42	103	105	.00	.00	10	10	930	.0	1
3540.0	2:56	3.51	103	105	.00	.00	10	10	924	.0	2
3555.0	3: 1	3.42	104	105	.00	.00	10	10	915	.0	1
3560.0	3: 4	3.54	104	105	.00	.00	10	10	919	.0	1
1507											
3565.0	3: 5	3.37	104	105	.00	.00	10	10	939	.0	1
3570.0	3: 7	3.49	104	105	.00	.00	10	10	939	.0	1
3580.0	3:10	3.33	104	105	.00	.00	10	10	919	.0	1
3600.0	0: 1	3.42	105	106	.00	.00	10	10	887	.0	2
3620.0	0: 8	3.47	10	106	.00	.00	0	128	664	.0	1
3640.0	0:17	3.66	104	106	.00	.00	10	10	944	.0	2
3660.0	0:24	3.54	105	106	.00	.00	10	10	926	.0	1
3665.0	0:26	3.60	105	106	.00	.00	10	10	937	.0	1
3670.0	0:28	3.39	105	106	.00	.00	10	10	942	.0	1
3680.0	0:30	3.38	105	106	.00	.00	10	10	942	.0	1
1519											
3700.0	0:38	3.59	105	107	.00	.00	10	10	936	.0	3
3710.0	0:43	3.75	106	107	.00	.00	10	10	933	.0	2
3715.0	0:45	3.63	106	107	.00	.00	10	10	938	.0	1
3720.0	0:48	3.73	106	107	.00	.00	10	10	944	.0	1
3740.0	0:56	3.61	106	107	.00	.00	10	10	936	.0	2
3750.0	1: 0	3.66	106	107	.00	.00	10	10	936	.0	1
3755.0	1: 2	3.62	106	107	.00	.00	10	10	940	.0	1
3760.0	1: 4	3.54	106	107	.00	.00	10	10	940	.0	1
3770.0	1: 7	3.54	106	107	.00	.00	10	10	943	.0	1
3780.0	1:11	3.61	107	107	.00	.00	10	10	943	.0	1
1533											
3800.0	1:21	3.40	108	108	.00	.00	10	10	947	.0	2
3805.0	1:25	3.51	108	108	.00	.00	10	10	936	.0	1
3815.0	1:29	3.18	106	109	.00	.00	10	10	936	.0	2
3820.0	1:31	3.41	106	109	.00	.00	10	10	936	.0	1
3830.0	1:33	3.21	106	109	.00	.00	10	10	936	.0	1
3855.0	2: 6	3.36	107	110	.00	.00	10	10	952	.0	2
3860.0	2:17	3.16	108	110	.00	.00	10	10	961	.0	1
3865.0	2:26	3.16	108	110	.00	.00	10	10	955	.0	1
3875.0	2:45	3.98	108	110	.00	.00	10	10	955	.0	1
3880.0	2:57	4.24	108	110	.00	.00	10	10	936	.0	1
1546											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	NOOV	RECD
1546											
3884.5	3:31	4.52	108	110	.00	.00	10	10	936	.0	1

NEW BIT ID:						4					

3885.0	0:56	4.13	90	109	.00	.00	11	5	862	.0	1
3890.0	0:59	4.31	90	110	.00	.00	11	5	861	.0	2
3900.0	1:12	4.03	91	108	.00	.00	11	5	879	.0	2
3905.0	1:19	4.16	93	106	.00	.00	11	5	918	.0	3
3910.0	1:24	3.83	94	106	.00	.00	11	5	922	.0	2
3920.0	1:33	3.90	95	105	.00	.00	11	5	963	.0	5
3930.0	1:43	4.02	96	107	.00	.00	11	5	963	.0	5
3940.0	2: 0	3.71	96	108	.00	.00	11	5	960	.0	2
3950.0	2:16	3.96	96	109	.00	.00	11	5	954	.0	5
1578											
3955.0	2:23	3.92	96	109	.00	.00	11	5	954	.0	2
3960.0	2:28	3.80	95	107	.00	.00	11	5	964	.0	2
3980.0	3: 0	3.98	96	108	.00	.00	11	5	956	.0	6
3985.0	3: 9	3.80	98	110	.00	.00	11	5	936	.0	5
3990.0	3:18	3.89	98	110	.00	.00	11	5	946	.0	3
3995.0	3:41	3.28	98	111	.00	.00	11	5	944	.0	2
4000.0	3:46	3.91	97	112	.00	.00	11	5	949	.0	3
4005.0	3:50	3.77	96	112	.00	.00	11	5	944	.0	1
4010.0	3:57	3.92	95	112	.00	.00	11	5	945	.0	3
4015.0	4: 3	3.83	95	110	.00	.00	11	5	945	.0	3
1608											
4020.0	4: 8	3.67	94	110	.00	.00	11	5	941	.0	4
4030.0	4:28	3.67	95	109	.00	.00	11	5	951	.0	3
4040.0	4:40	3.56	96	110	.00	.00	11	5	942	.0	7
4045.0	4:41	3.45	97	110	.00	.00	11	5	938	.0	1
4050.0	4:43	3.28	97	110	.00	.00	11	5	937	.0	3
4055.0	4:46	3.47	97	110	.00	.00	11	5	939	.0	2
4060.0	4:52	3.51	97	110	.00	.00	11	5	941	.0	5
4065.0	5:12	3.65	98	110	.00	.00	11	5	920	.0	4
4070.0	5:14	3.28	99	111	.00	.00	11	5	920	.0	4
4080.0	5:21	3.43	99	111	.00	.00	11	5	919	.0	5
1646											
4090.0	5:40	3.36	99	111	.00	.00	11	5	909	.0	1
4100.0	5:46	3.48	99	111	.00	.00	11	5	916	.0	3
4105.0	5:50	3.58	99	110	.00	.00	11	5	949	.0	2
4110.0	5:53	3.39	99	110	.00	.00	11	5	946	.0	1
4115.0	5:56	3.53	99	111	.00	.00	11	5	944	.0	4
4120.0	5:58	3.50	99	111	.00	.00	11	5	944	.0	3
4135.0	6:15	3.58	99	111	.00	.00	11	5	936	.0	7
4140.0	6:18	3.47	99	110	.00	.00	11	5	943	.0	4
4150.0	6:25	3.49	100	111	.00	.00	11	5	945	.0	6
4160.0	6:41	3.43	100	110	.00	.00	11	5	934	.0	4
1681											
4165.0	6:43	3.39	100	110	.00	.00	11	5	934	.0	2
4170.0	6:46	3.47	100	110	.00	.00	11	5	936	.0	4
4180.0	6:54	3.61	100	111	.00	.00	11	5	950	.0	7
4190.0	7:10	3.42	100	112	.00	.00	11	5	933	.0	5
4195.0	7:13	3.43	101	112	.00	.00	11	5	926	.0	3
4200.0	7:16	3.50	101	112	.00	.00	11	5	931	.0	4
4205.0	7:20	3.64	101	113	.00	.00	11	5	931	.0	4

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
1710											
4210.0	7:22	3.53	101	113	.00	.00	11	5	931	.0	2
4215.0	7:34	3.59	101	113	.00	.00	11	5	924	.0	4
4220.0	7:37	3.71	101	113	.00	.00	11	5	922	.0	3
4225.0	7:40	3.61	101	112	.00	.00	11	5	922	.0	3
4230.0	7:43	3.62	101	112	.00	.00	11	5	922	.0	3
4235.0	7:46	3.64	101	113	.00	.00	11	5	922	.0	4
4240.0	7:50	3.60	101	113	.00	.00	11	5	919	.0	5
4250.0	8:18	3.50	101	112	.00	.00	11	5	934	.0	4
4255.0	8:21	3.68	101	112	.00	.00	11	5	933	.0	4
4260.0	8:24	3.66	101	113	.00	.00	11	5	933	.0	3
1745											
4265.0	8:27	3.60	101	113	.00	.00	11	5	932	.0	5
4270.0	8:30	3.48	101	113	.00	.00	11	5	933	.0	4
4275.0	8:41	3.67	95	113	.00	.00	11	5	929	.0	2
4280.0	8:45	3.70	95	114	.00	.00	11	5	933	.0	2
4285.0	8:47	3.55	95	113	.00	.00	11	5	938	.0	4
4290.0	8:50	3.56	95	113	.00	.00	11	5	945	.0	4
4295.0	8:53	3.60	95	114	.00	.00	11	5	948	.0	3
4300.0	8:56	3.58	95	113	.00	.00	11	5	944	.0	4
4310.0	9:10	3.50	96	113	.00	.00	11	5	946	.0	8
4320.0	9:17	3.66	95	112	.00	.00	11	5	945	.0	6
1787											
4330.0	9:24	3.66	96	112	.00	.00	11	5	948	.0	6
4335.0	9:26	3.56	96	112	.00	.00	11	5	951	.0	4
4340.0	9:42	3.57	96	112	.00	.00	11	5	956	.0	4
4345.0	9:43	3.44	96	114	.00	.00	11	5	957	.0	2
4350.0	9:48	3.89	96	112	.00	.00	11	5	926	.0	3
4355.0	9:51	3.74	96	112	.00	.00	11	5	925	.0	3
4360.0	9:55	3.77	96	112	.00	.00	11	5	951	.0	4
4370.0	10: 1	3.62	96	113	.00	.00	11	5	954	.0	6
4380.0	10:20	3.53	97	113	.00	.00	11	5	950	.0	1
4385.0	10:23	3.66	97	113	.00	.00	11	5	949	.0	3
1823											
4390.0	10:25	3.86	97	113	.00	.00	11	5	958	.0	2
4395.0	10:29	3.70	97	113	.00	.00	11	5	958	.0	4
4400.0	10:33	3.74	97	113	.00	.00	11	5	958	.0	3
4405.0	10:35	3.58	97	113	.00	.00	11	5	959	.0	3
4410.0	10:49	3.78	97	113	.00	.00	11	5	941	.0	2
4415.0	10:52	3.60	98	113	.00	.00	11	5	949	.0	1
4420.0	10:55	3.73	98	113	.00	.00	11	5	949	.0	4
4425.0	11: 0	3.65	98	113	.00	.00	11	5	949	.0	2
4430.0	11: 4	3.70	98	113	.00	.00	11	5	949	.0	4
4435.0	11:21	3.72	98	113	.00	.00	11	5	974	.0	4
1852											
4440.0	11:24	3.62	98	113	.00	.00	11	5	1053	.0	4
4445.0	11:27	3.50	98	113	.00	.00	11	5	1053	.0	4
4450.0	11:32	3.79	98	113	.00	.00	11	5	1053	.0	4
4455.0	11:35	3.65	98	113	.00	.00	11	5	1053	.0	4
4460.0	11:38	3.69	98	113	.00	.00	11	5	1053	.0	4
4465.0	12:19	3.72	98	113	.00	.00	11	5	1051	.0	5
4470.0	12:20	3.45	98	113	.00	.00	11	5	929	.0	2
4475.0	12:22	3.29	98	113	.00	.00	11	5	928	.0	5
4480.0	12:24	3.46	98	113	.00	.00	11	5	926	.0	4
4485.0	12:26	3.58	98	113	.00	.00	11	5	926	.0	4
1892											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDDV	RECDS
1892											
4500.0	13:26	3.72	99	113	.00	.00	11	5	889	.0	5
4505.0	13:29	3.71	101	113	.00	.00	11	5	1049	.0	3
4510.0	13:32	3.88	101	113	.00	.00	11	5	1044	.0	3
4515.0	13:35	3.74	101	113	.00	.00	11	5	1045	.0	4
4520.0	13:39	3.72	101	113	.00	.00	11	5	1050	.0	4
4525.0	13:42	3.63	101	113	.00	.00	11	5	1052	.0	3
4530.0	13:57	3.82	102	113	.00	.00	11	5	1052	.0	2
4540.0	14: 3	3.59	102	113	.00	.00	11	5	1055	.0	7
4550.0	14: 9	3.65	102	113	.00	.00	11	5	1058	.0	3
4560.0	14:24	3.70	102	113	.00	.00	11	5	1051	.0	4
1930											
4565.0	14:27	3.75	103	113	.00	.00	11	5	1039	.0	2
4570.0	14:30	3.68	103	113	.00	.00	11	5	1044	.0	2
4575.0	14:32	3.42	103	113	.00	.00	11	5	1047	.0	2
4580.0	14:36	3.82	103	113	.00	.00	11	5	1047	.0	4
4585.0	14:40	3.79	103	113	.00	.00	11	5	1047	.0	2
4590.0	14:53	4.18	103	113	.00	.00	11	5	902	.0	2
4600.0	15: 0	4.07	105	113	.00	.00	11	5	749	.0	4
4610.0	0:26	4.03	101	118	.00	.00	11	5	1109	.0	3
4615.0	0:29	3.88	101	121	.00	.00	11	5	1143	.0	2
4620.0	0:32	3.62	101	121	.00	.00	11	5	1140	.0	2
1955											
4630.0	0:47	3.82	102	120	.00	.00	11	5	1138	.0	3
4635.0	0:52	3.94	102	120	.00	.00	11	5	1138	.0	2
4640.0	0:56	3.78	102	121	.00	.00	11	5	1138	.0	3
4650.0	1: 1	3.63	101	120	.00	.00	11	5	1137	.0	4
4660.0	1:16	4.05	102	120	.00	.00	11	5	1149	.0	4
4665.0	1:19	3.80	102	120	.00	.00	11	5	1148	.0	4
4670.0	1:22	3.67	102	122	.00	.00	11	5	1146	.0	3
4675.0	1:25	3.82	102	121	.00	.00	11	5	1144	.0	4
4680.0	1:29	3.83	102	122	.00	.00	11	5	1144	.0	4
4690.0	1:44	3.79	103	124	.00	.00	11	5	1144	.0	4
1990											
4700.0	1:50	3.72	104	122	.00	.00	11	5	1143	.0	3
4715.0	1:58	3.55	104	122	.00	.00	11	5	1155	.0	8
4720.0	2: 8	3.75	105	122	.00	.00	11	5	1159	.0	3
4730.0	2:16	3.78	106	123	.00	.00	11	5	924	.0	3
4740.0	2:23	3.73	107	124	.00	.00	11	5	1000	.0	1
4750.0	2:38	3.95	107	125	.00	.00	11	5	1040	.0	3
4760.0	2:44	3.65	108	125	.00	.00	11	5	1021	.0	2
4765.0	2:46	3.53	108	125	.00	.00	11	5	1014	.0	1
4770.0	2:49	3.57	108	125	.00	.00	11	5	1014	.0	4
4775.0	2:51	3.40	108	125	.00	.00	11	5	1014	.0	5
2023											
4780.0	3:11	3.61	108	124	.00	.00	11	5	939	.0	5
4785.0	3:17	3.70	109	121	.00	.00	11	5	623	.0	3
4790.0	3:18	3.38	110	121	.00	.00	11	5	764	.0	3
4800.0	3:25	3.55	110	121	.00	.00	11	5	1009	.0	4
4810.0	3:38	3.50	110	122	.00	.00	11	5	1029	.0	1
4815.0	3:39	3.19	110	122	.00	.00	11	5	1035	.0	1
4820.0	3:41	3.57	110	122	.00	.00	11	5	1035	.0	3
4830.0	3:48	3.64	110	123	.00	.00	11	5	1038	.0	2
4840.0	3:53	3.53	110	124	.00	.00	11	5	1047	.0	5
4845.0	4: 3	3.46	110	123	.00	.00	11	5	1036	.0	2
2052											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
2052											
4850.0	4: 7	3.67	110	124	.00	.00	11	5	1035	.0	4
4855.0	4:12	3.70	110	125	.00	.00	11	5	1034	.0	2
4865.0	4:17	3.53	110	125	.00	.00	11	5	1041	.0	5
4870.0	4:19	3.56	110	125	.00	.00	11	5	1046	.0	3
4900.0	0:16	3.61	110	125	.00	.00	10	6	1012	.0	3
4905.0	0:20	3.71	111	125	.00	.00	10	6	1004	.0	1
4910.0	0:24	3.80	111	125	.00	.00	10	6	1004	.0	1
4915.0	0:28	3.76	111	125	.00	.00	10	6	1008	.0	1
4920.0	0:31	3.67	111	125	.00	.00	10	6	1008	.0	1
4925.0	0:35	3.71	111	125	.00	.00	10	6	1012	.0	1
2074											
4930.0	0:39	3.78	111	125	.00	.00	10	6	1008	.0	1
4935.0	0:44	3.84	111	125	.00	.00	10	6	1008	.0	1
4940.0	0:48	3.86	111	125	.00	.00	10	6	1008	.0	1
4945.0	0:52	3.80	111	125	.00	.00	10	6	1008	.0	1
4950.0	0:56	3.77	111	125	.00	.00	10	6	993	.0	1
4960.0	1: 0	3.63	111	125	.00	.00	10	6	993	.0	1
4970.0	1: 5	3.54	111	125	.00	.00	10	6	993	.0	1
4980.0	1:11	3.59	111	125	.00	.00	10	6	993	.0	1
4990.0	1:15	3.44	111	125	.00	.00	10	6	993	.0	1
5000.0	1:24	3.76	111	125	.00	.00	10	6	993	.0	1
2084											
5010.0	1:30	3.63	110	126	.00	.00	10	6	979	.0	1
5020.0	1:35	3.55	110	126	.00	.00	10	6	979	.0	1
5030.0	1:42	3.69	110	126	.00	.00	10	6	979	.0	1
5040.0	1:47	3.63	110	126	.00	.00	10	6	979	.0	1
5050.0	1:52	3.66	110	126	.00	.00	10	6	979	.0	1
5060.0	2: 0	3.81	110	126	.00	.00	10	6	979	.0	1
5070.0	2: 4	3.58	110	126	.00	.00	10	6	993	.0	1
5080.0	2:10	3.73	110	126	.00	.00	10	6	993	.0	1
5090.0	2:15	3.64	110	126	.00	.00	10	6	993	.0	1
5100.0	2:22	3.81	110	126	.00	.00	10	6	993	.0	1
2094											
5105.0	2:25	3.85	110	126	.00	.00	10	6	993	.0	1
5110.0	2:29	3.72	110	126	.00	.00	10	6	993	.0	1
5120.0	2:37	3.88	110	126	.00	.00	10	6	993	.0	1
5130.0	2:45	3.85	110	126	.00	.00	10	6	993	.0	1
5140.0	2:51	3.76	110	126	.00	.00	10	6	993	.0	1
5150.0	2:56	3.68	110	126	.00	.00	10	6	993	.0	1
5160.0	3: 5	3.91	110	126	.00	.00	10	6	993	.0	1
5170.0	3: 9	3.54	110	126	.00	.00	10	6	993	.0	1
5180.0	3:15	3.72	110	126	.00	.00	10	6	990	.0	1
5190.0	3:22	3.83	110	126	.00	.00	10	6	990	.0	1
2104											
5200.0	3:26	3.42	110	126	.00	.00	10	6	990	.0	1
5205.0	3:29	3.47	110	126	.00	.00	10	6	990	.0	1
5210.0	3:31	3.44	110	126	.00	.00	10	6	990	.0	1
5220.0	3:35	3.58	110	126	.00	.00	10	6	990	.0	1
5230.0	3:41	3.65	110	126	.00	.00	10	6	990	.0	1
5240.0	3:45	3.55	110	126	.00	.00	10	6	990	.0	1
5250.0	3:50	3.57	110	126	.00	.00	10	6	990	.0	1
5260.0	3:55	3.65	110	126	.00	.00	10	6	990	.0	1
5270.0	3:59	3.54	110	126	.00	.00	10	6	990	.0	1
5280.0	4: 4	3.59	111	126	.00	.00	10	6	967	.0	1
2114											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
2114											
5290.0	4: 9	3.58	111	126	.00	.00	10	6	967	.0	1
5300.0	4:15	3.61	111	126	.00	.00	10	6	967	.0	1
5301.0	4:16	3.57	111	126	.00	.00	10	6	967	.0	1

NEW BIT ID:						5					

5305.0	6:19	3.58	83	104	.00	.00	14	6	1043	.0	1
5310.0	6:21	3.44	84	106	.00	.00	14	6	1036	.0	1
5315.0	6:24	3.73	84	109	.00	.00	14	6	1023	.0	1
5320.0	6:25	3.47	84	111	.00	.00	14	6	999	.0	1
5325.0	6:27	3.65	84	113	.00	.00	14	6	999	.0	1
5330.0	6:31	3.90	84	113	.00	.00	14	6	999	.0	1
5335.0	6:32	3.60	84	113	.00	.00	14	6	999	.0	1
2128											
5340.0	6:32	3.61	84	113	.00	.00	14	6	999	.0	1
5345.0	6:43	4.43	84	112	.00	.00	14	6	1007	.0	1
5350.0	6:44	4.05	85	112	.00	.00	14	6	997	.0	1
5355.0	6:46	3.71	85	111	.00	.00	14	6	992	.0	1
5370.0	6:49	3.56	85	111	.00	.00	14	6	1013	.0	3
5380.0	6:54	3.58	85	111	.00	.00	14	6	1019	.0	2
5385.0	7: 7	3.54	86	110	.00	.00	14	6	1012	.0	2
5390.0	7: 9	3.41	87	110	.00	.00	14	6	1001	.0	1
5400.0	7:13	3.63	87	110	.00	.00	14	6	1000	.0	5
5410.0	7:17	3.61	87	110	.00	.00	14	6	1001	.0	3
2148											
5415.0	7:30	3.66	87	111	.00	.00	14	6	1004	.0	3
5420.0	7:33	3.64	88	114	.00	.00	14	6	1013	.0	1
5430.0	7:41	3.50	88	114	.00	.00	14	6	996	.0	4
5435.0	7:43	3.46	88	114	.00	.00	14	6	993	.0	1
5440.0	7:43	3.61	88	114	.00	.00	14	6	993	.0	1
5445.0	7:53	3.65	90	113	.00	.00	14	6	1004	.0	1
5450.0	7:56	3.51	90	114	.00	.00	14	6	1004	.0	1
5455.0	7:57	3.69	90	114	.00	.00	14	6	1004	.0	1
5460.0	7:57	3.52	91	114	.00	.00	14	6	1004	.0	1
5465.0	7:59	3.48	91	114	.00	.00	14	6	1001	.0	1
2163											
5470.0	8: 1	3.52	91	115	.00	.00	14	6	1001	.0	4
5480.0	8:14	3.53	91	117	.00	.00	14	6	996	.0	4
5490.0	8:19	3.59	92	118	.00	.00	14	6	993	.0	4
5495.0	8:21	3.53	92	118	.00	.00	14	6	994	.0	4
5500.0	8:23	3.48	92	118	.00	.00	14	6	992	.0	3
5505.0	8:25	3.42	92	118	.00	.00	14	6	991	.0	2
5510.0	8:39	3.44	91	118	.00	.00	14	6	1005	.0	1
5515.0	8:40	3.62	92	119	.00	.00	14	6	1005	.0	1
5520.0	8:44	3.52	91	120	.00	.00	14	6	1005	.0	1
5525.0	8:44	3.31	91	120	.00	.00	14	6	1005	.0	1
2188											
5530.0	8:54	3.58	91	121	.00	.00	14	6	1009	.0	1
5535.0	8:55	3.46	91	122	.00	.00	14	6	1014	.0	1
5540.0	8:57	3.77	91	121	.00	.00	14	6	1014	.0	1
5545.0	8:58	3.42	91	121	.00	.00	14	6	1014	.0	1
5550.0	8:58	3.47	91	121	.00	.00	14	6	1007	.0	1
5560.0	9: 3	3.57	91	121	.00	.00	14	6	1007	.0	3
5565.0	9: 5	3.56	91	121	.00	.00	14	6	1004	.0	4

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECS
2200											
5580.0	9:20	3.49	91	122	.00	.00	14	6	842	.0	4
5585.0	9:26	3.68	91	122	.00	.00	14	6	751	.0	4
5590.0	9:28	3.22	91	122	.00	.00	14	6	752	.0	1
5600.0	9:34	3.36	91	122	.00	.00	14	6	752	.0	1
5610.0	9:52	3.45	90	123	.00	.00	14	6	754	.0	4
5615.0	9:56	3.42	90	122	.00	.00	14	6	755	.0	2
5620.0	9:59	3.38	90	122	.00	.00	14	6	755	.0	1
5625.0	10: 3	3.42	90	123	.00	.00	14	6	759	.0	3
5630.0	10: 7	3.51	90	122	.00	.00	14	6	757	.0	3
5640.0	10:20	3.32	90	121	.00	.00	14	6	751	.0	3
2226											
5650.0	10:26	3.40	92	122	.00	.00	14	6	814	.0	6
5655.0	10:29	3.57	94	121	.00	.00	14	6	1002	.0	3
5660.0	10:31	3.48	94	121	.00	.00	14	6	997	.0	2
5670.0	10:42	3.71	94	121	.00	.00	14	6	997	.0	3
5675.0	10:45	3.82	94	122	.00	.00	14	6	1002	.0	3
5680.0	10:47	3.59	94	122	.00	.00	14	6	1003	.0	2
5685.0	10:50	3.56	94	122	.00	.00	14	6	990	.0	2
5690.0	10:52	3.60	94	122	.00	.00	14	6	986	.0	4
5695.0	11: 2	3.53	94	120	.00	.00	14	6	975	.0	3
5710.0	11: 9	3.81	93	121	.00	.00	14	6	958	.0	4
2258											
5720.0	11:13	3.80	93	121	.00	.00	14	6	958	.0	3
5725.0	11:25	3.91	93	121	.00	.00	14	6	973	.0	2
5730.0	11:26	3.72	93	122	.00	.00	14	6	994	.0	1
5740.0	11:32	3.72	93	120	.00	.00	14	6	1000	.0	5
5745.0	11:35	3.67	93	121	.00	.00	14	6	999	.0	3
5750.0	11:38	3.81	93	121	.00	.00	14	6	1000	.0	4
5760.0	11:45	3.75	93	122	.00	.00	14	6	1005	.0	4
5770.0	12: 3	3.87	92	124	.00	.00	14	6	991	.0	4
5775.0	12: 6	3.87	92	124	.00	.00	14	6	990	.0	3
5780.0	12: 9	3.81	92	125	.00	.00	14	6	997	.0	2
2289											
5785.0	12:10	3.63	92	125	.00	.00	14	6	997	.0	1
5790.0	12:21	3.79	92	124	.00	.00	14	6	983	.0	1
5795.0	12:25	3.79	92	124	.00	.00	14	6	977	.0	4
5800.0	12:30	3.99	92	122	.00	.00	14	6	990	.0	4
5805.0	12:34	3.79	92	115	.00	.00	14	6	998	.0	3
5810.0	12:38	3.80	92	119	.00	.00	14	6	1003	.0	2
5815.0	12:40	3.52	92	122	.00	.00	14	6	1003	.0	3
5820.0	12:53	3.75	92	123	.00	.00	14	6	1001	.0	3
5825.0	12:57	3.60	92	125	.00	.00	14	6	997	.0	3
5830.0	13: 1	3.63	92	127	.00	.00	14	6	999	.0	3
2316											
5835.0	13: 5	3.44	93	128	.00	.00	14	6	999	.0	2
5840.0	13:11	3.69	94	129	.00	.00	14	6	996	.0	3
5845.0	13:15	3.65	94	129	.00	.00	14	6	993	.0	4
5850.0	13:27	3.61	94	131	.00	.00	14	6	991	.0	4
5860.0	13:34	3.54	94	132	.00	.00	14	6	983	.0	2
5870.0	13:43	3.71	95	132	.00	.00	14	6	973	.0	5
5875.0	13:46	3.49	95	130	.00	.00	14	6	975	.0	4
5880.0	14: 0	3.63	95	133	.00	.00	14	6	975	.0	3
5885.0	14: 1	3.26	95	132	.00	.00	14	6	977	.0	1
5890.0	14: 5	3.61	95	133	.00	.00	14	6	984	.0	4
2348											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
2348											
5895.0	14: 8	3.50	95	133	.00	.00	14	6	983	.0	4
5900.0	14:12	3.58	95	133	.00	.00	14	6	982	.0	3
5905.0	14:14	3.19	95	133	.00	.00	14	6	983	.0	2
5910.0	14:16	3.57	95	134	.00	.00	14	6	983	.0	4
5920.0	14:29	3.50	95	133	.00	.00	14	6	971	.0	5
5925.0	14:35	3.73	95	133	.00	.00	14	6	1006	.0	5
5930.0	14:40	3.77	95	134	.00	.00	14	6	1041	.0	4
5940.0	14:52	3.71	95	134	.00	.00	14	6	1029	.0	7
5945.0	15: 8	3.70	95	134	.00	.00	14	6	983	.0	4
5950.0	15:12	3.61	95	134	.00	.00	14	6	991	.0	3
2389											
5960.0	2: 7	3.61	95	131	.00	.00	11	11	910	.0	6
5965.0	2:11	3.60	95	126	.00	.00	7	16	835	.0	2
5990.0	2:36	3.42	96	126	.00	.00	7	16	838	.0	6
5995.0	2:40	3.48	97	125	.00	.00	7	16	841	.0	3
6000.0	2:45	3.42	97	126	.00	.00	7	16	843	.0	3
6015.0	3: 8	3.37	97	126	.00	.00	7	16	845	.0	5
6020.0	3:12	3.27	97	127	.00	.00	7	16	840	.0	2
6025.0	3:22	3.40	96	126	.00	.00	7	16	840	.0	1
6030.0	3:25	3.17	96	126	.00	.00	7	16	841	.0	2
6035.0	3:29	3.25	96	126	.00	.00	7	16	842	.0	2
2421											
6050.0	3:52	3.22	96	127	.00	.00	7	16	848	.0	6
6060.0	4: 6	3.22	97	129	.00	.00	7	16	853	.0	4
6065.0	4:13	3.08	98	130	.00	.00	7	16	852	.0	4
6070.0	4:21	2.88	98	131	.00	.00	7	16	851	.0	2
6075.0	4:36	2.98	98	133	.00	.00	7	16	833	.0	1
6080.0	4:40	3.50	98	133	.00	.00	7	16	829	.0	1
6085.0	4:56	3.12	98	133	.00	.00	7	16	838	.0	1
6090.0	5: 4	3.35	98	133	.00	.00	7	16	841	.0	1
6095.0	5:21	3.05	98	134	.00	.00	7	16	848	.0	2
6100.0	5:23	3.04	98	134	.00	.00	7	16	850	.0	2
2445											
6105.0	5:44	3.36	98	133	.00	.00	7	16	849	.0	3
6120.0	6: 9	3.50	98	132	.00	.00	7	16	848	.0	6
6130.0	6:25	3.33	98	132	.00	.00	7	16	848	.0	5
6135.0	6:40	3.32	98	127	.00	.00	7	16	853	.0	2
6140.0	6:48	3.49	98	127	.00	.00	7	16	858	.0	4
6145.0	6:58	3.55	98	131	.00	.00	7	16	860	.0	4
6150.0	7: 3	3.20	98	131	.00	.00	7	16	861	.0	5
6160.0	7:21	3.49	108	131	.00	.00	7	16	860	.0	9
6165.0	7:39	3.66	114	131	.00	.00	7	16	858	.0	5
6170.0	7:47	3.59	114	132	.00	.00	7	16	861	.0	2
2490											
6180.0	8: 1	3.58	114	132	.00	.00	7	16	857	.0	5
6185.0	8: 8	3.41	115	132	.00	.00	7	16	857	.0	4
6190.0	8:16	3.66	115	132	.00	.00	7	16	857	.0	5
6195.0	8:42	3.50	115	132	.00	.00	7	16	857	.0	4
6200.0	8:51	3.81	113	131	.00	.00	7	16	859	.0	3
6205.0	8:58	3.83	114	131	.00	.00	7	16	858	.0	3
6210.0	9: 6	3.66	115	132	.00	.00	7	16	860	.0	4
6215.0	9:14	3.47	115	133	.00	.00	7	16	861	.0	3
6220.0	9:20	3.57	115	133	.00	.00	7	16	861	.0	5
6230.0	9:41	3.48	114	133	.00	.00	7	16	856	.0	2
2528											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECS
2528											
6235.0	9:47	3.54	115	133	.00	.00	7	16	860	.0	5
6240.0	9:54	3.82	115	134	.00	.00	7	16	859	.0	4
6245.0	10: 0	3.76	116	135	.00	.00	7	16	858	.0	5
6250.0	10: 9	3.88	117	135	.00	.00	7	16	859	.0	5
6255.0	10:14	3.82	117	135	.00	.00	7	16	859	.0	4
6260.0	10:27	3.46	117	131	.00	.00	7	16	856	.0	2
6265.0	10:33	3.89	116	125	.00	.00	7	16	863	.0	3
6270.0	10:39	3.85	117	126	.00	.00	7	16	863	.0	5
6275.0	10:46	3.77	117	126	.00	.00	7	16	861	.0	4
6280.0	15:52	3.77	117	127	.00	.00	7	16	864	.0	3
2568											
6285.0	15:57	3.64	117	127	.00	.00	7	16	864	.0	2
6290.0	16: 3	3.75	118	127	.00	.00	7	16	864	.0	4
6300.0	16:26	3.89	117	127	.00	.00	7	16	851	.0	4
6305.0	16:31	3.88	117	127	.00	.00	7	16	854	.0	4
6310.0	16:38	3.90	117	127	.00	.00	7	16	855	.0	4
6315.0	16:44	4.02	117	128	.00	.00	7	16	853	.0	4
6320.0	16:49	3.78	118	119	.00	.00	7	16	853	.0	4
6325.0	17:11	4.02	117	124	.00	.00	7	16	846	.0	4
6330.0	17:17	3.89	117	128	.00	.00	7	16	845	.0	5
6335.0	17:22	3.89	117	128	.00	.00	7	16	849	.0	3
2606											
6340.0	17:26	3.75	117	128	.00	.00	7	16	851	.0	4
6345.0	17:33	3.93	118	128	.00	.00	7	16	850	.0	5
6350.0	17:42	3.98	118	128	.00	.00	7	16	849	.0	5
6355.0	17:57	3.62	118	127	.00	.00	7	16	853	.0	2
6360.0	18: 7	3.93	118	128	.00	.00	7	16	660	.0	2
6365.0	18:14	3.91	118	128	.00	.00	7	16	563	.0	4
6370.0	18:22	3.92	114	76	.00	.00	7	16	566	.0	5
6375.0	18:30	3.91	114	126	.00	.00	7	16	564	.0	5
6380.0	18:35	3.93	115	125	.00	.00	7	16	564	.0	3
6390.0	6:14	4.21	92	103	.00	.00	7	17	596	.0	1
2646											
6395.0	6:26	4.07	94	108	.00	.00	7	17	601	.0	5
6400.0	6:37	3.94	96	111	.00	.00	7	17	598	.0	5
6405.0	6:44	3.98	98	111	.00	.00	7	17	596	.0	5
6410.0	6:50	3.80	99	110	.00	.00	7	17	591	.0	3
6415.0	6:58	3.98	99	109	.00	.00	7	17	591	.0	5
6420.0	7:18	4.10	99	108	.00	.00	7	17	603	.0	2
6425.0	7:24	3.87	99	109	.00	.00	7	17	650	.0	3
6430.0	7:32	4.09	100	109	.00	.00	7	17	644	.0	4
6440.0	7:45	3.98	101	110	.00	.00	7	17	643	.0	4
6455.0	8:14	4.13	102	112	.00	.00	7	17	634	.0	5
2687											
6460.0	8:24	3.98	103	113	.00	.00	7	17	636	.0	4
6465.0	8:30	3.87	104	112	.00	.00	7	17	639	.0	3
6470.0	8:39	3.85	104	113	.00	.00	7	17	645	.0	3
6485.0	9:17	4.02	104	114	.00	.00	7	17	653	.0	6
6490.0	9:29	4.10	104	116	.00	.00	7	17	643	.0	4
6495.0	9:33	3.90	105	117	.00	.00	7	17	642	.0	3
6500.0	9:40	4.04	106	118	.00	.00	7	17	639	.0	4
6505.0	9:47	3.84	107	119	.00	.00	7	17	637	.0	5
6510.0	10: 1	4.02	107	118	.00	.00	7	17	636	.0	3
6515.0	10: 6	3.97	108	117	.00	.00	7	17	630	.0	4
2726											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
2726											
6520.0	10:11	3.89	108	119	.00	.00	7	17	634	.0	4
6530.0	10:30	4.05	108	117	.00	.00	7	17	643	.0	7
6535.0	10:38	3.97	108	118	.00	.00	7	17	645	.0	3
6540.0	11: 8	4.32	108	119	.00	.00	7	17	644	.0	2
6550.0	11:14	3.58	107	120	.00	.00	7	17	637	.0	3
6555.0	11:25	4.15	107	121	.00	.00	7	17	632	.0	5
6560.0	11:44	4.33	107	121	.00	.00	7	17	759	.0	5
6565.0	11:56	4.04	108	122	.00	.00	7	17	826	.0	5
6570.0	12:10	4.15	108	122	.00	.00	7	17	820	.0	3
6580.0	12:51	4.00	108	120	.00	.00	7	17	830	.0	4
2767											
6585.0	12:57	3.84	109	124	.00	.00	7	17	830	.0	3
6590.0	13: 0	3.45	110	125	.00	.00	7	17	830	.0	4
6600.0	13:57	3.55	111	129	.00	.00	7	17	832	.0	8
6605.0	14:12	3.92	112	131	.00	.00	7	17	824	.0	5
6610.0	14:18	3.76	113	128	.00	.00	7	17	840	.0	5
6615.0	14:24	3.80	113	128	.00	.00	7	17	823	.0	4
6620.0	14:29	3.59	113	128	.00	.00	7	17	829	.0	2
6630.0	14:37	3.50	113	128	.00	.00	7	17	829	.0	6
6635.0	14:52	3.72	113	127	.00	.00	7	17	824	.0	2
6640.0	14:57	3.53	113	127	.00	.00	7	17	820	.0	4
2810											
6645.0	15: 5	3.82	113	127	.00	.00	7	17	813	.0	2
6650.0	15: 9	3.44	113	128	.00	.00	7	17	821	.0	2
6655.0	15:11	3.42	113	128	.00	.00	7	17	826	.0	1
6660.0	15:18	3.43	114	128	.00	.00	7	17	823	.0	2
6670.0	15:26	3.37	113	124	.00	.00	7	17	808	.0	4
6675.0	15:30	3.57	113	125	.00	.00	7	17	827	.0	2
6680.0	15:35	3.71	113	125	.00	.00	7	17	827	.0	3
6685.0	15:38	3.45	114	126	.00	.00	7	17	827	.0	4
6690.0	15:41	3.42	114	126	.00	.00	7	17	829	.0	5
6700.0	15:53	3.08	114	127	.00	.00	7	17	830	.0	2
2837											
6710.0	16:55	3.07	114	129	.00	.00	7	17	848	.0	1
6715.0	16:58	3.39	116	135	.00	.00	7	17	723	.0	3
6720.0	17: 4	3.53	116	124	.00	.00	7	17	707	.0	4
6730.0	17:17	2.88	116	124	.00	.00	7	17	693	.0	2
6735.0	17:21	3.53	117	131	.00	.00	7	17	666	.0	4
6740.0	17:22	2.79	116	131	.00	.00	7	17	666	.0	1
6745.0	17:26	3.58	116	130	.00	.00	7	17	667	.0	3
6750.0	17:28	3.33	116	130	.00	.00	7	17	668	.0	3
6755.0	17:32	3.35	116	129	.00	.00	7	17	670	.0	2
6760.0	17:46	3.57	116	128	.00	.00	7	17	685	.0	2
2862											
6765.0	17:53	2.79	116	128	.00	.00	7	17	699	.0	3
6770.0	18:10	2.69	115	130	.00	.00	7	17	710	.0	1
6775.0	18:18	2.86	115	129	.00	.00	7	17	595	.0	5
6780.0	18:27	2.96	115	129	.00	.00	7	17	559	.0	5
6785.0	19:57	3.69	112	120	.00	.00	7	17	577	.0	5
6795.0	20:13	3.57	109	119	.00	.00	7	17	561	.0	5
6800.0	20:20	3.83	109	120	.00	.00	7	17	560	.0	5
6805.0	20:32	4.09	108	118	.00	.00	7	17	561	.0	5
6810.0	20:43	3.96	109	119	.00	.00	7	17	559	.0	5
6815.0	20:47	3.73	109	119	.00	.00	7	17	556	.0	5
2906											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
2906											
6820.0	20:48	3.33	108	119	.00	.00	7	17	557	.0	4
6825.0	20:53	3.66	108	119	.00	.00	7	17	560	.0	4
6830.0	21: 6	3.76	109	118	.00	.00	7	17	553	.0	3
6840.0	21:15	3.49	108	118	.00	.00	7	17	552	.0	8
6845.0	21:21	3.75	109	119	.00	.00	7	17	555	.0	3
6850.0	21:27	3.65	109	119	.00	.00	7	17	557	.0	5
6855.0	21:40	3.64	108	118	.00	.00	7	17	567	.0	5
6860.0	21:59	4.12	108	118	.00	.00	7	17	605	.0	3
6865.0	22: 9	3.97	108	119	.00	.00	7	17	607	.0	5
6870.0	22:18	3.99	108	119	.00	.00	7	17	607	.0	4
2950											
6875.0	22:29	4.06	108	118	.00	.00	7	17	604	.0	4
6880.0	22:36	3.94	109	119	.00	.00	7	17	594	.0	5
6885.0	22:42	3.92	108	118	.00	.00	7	17	587	.0	4
6890.0	22:59	3.74	108	114	.00	.00	7	17	594	.0	4
6895.0	23: 2	3.56	109	116	.00	.00	7	17	588	.0	4
6900.0	23: 7	3.80	109	119	.00	.00	7	17	556	.0	5
6905.0	23:16	4.06	108	118	.00	.00	7	17	557	.0	5
6910.0	23:20	3.72	108	118	.00	.00	7	17	561	.0	3
6920.0	23:34	3.55	108	118	.00	.00	7	17	564	.0	4
6930.0	23:50	4.05	108	118	.00	.00	7	17	529	.0	4
2992											
6940.0	0:14	4.09	108	118	.00	.03	7	17	494	.0	7
6950.0	0:31	3.97	108	112	.00	.00	7	17	478	.0	7
6955.0	16:53	2.93	80	91	.00	.00	9	16	788	.0	1
6960.0	16:55	3.00	80	91	.00	.00	9	16	788	.0	3
6965.0	16:59	2.93	80	93	.00	.00	9	16	791	.0	4
6970.0	17: 1	3.35	81	94	.00	.00	9	16	792	.0	5
6975.0	17: 3	3.35	81	94	.00	.00	9	16	795	.0	5
6980.0	17: 5	3.34	82	92	.00	.00	9	16	795	.0	5
6985.0	17:28	3.53	83	93	.00	.00	9	16	771	.0	1
6990.0	17:33	3.35	87	102	.00	.00	9	16	792	.0	1
3035											
6995.0	17:38	3.50	88	105	.00	.00	9	16	774	.0	4
7000.0	17:39	3.35	90	106	.00	.00	9	16	780	.0	2
7005.0	17:42	3.41	90	107	.00	.00	9	16	778	.0	1
7010.0	17:55	3.45	92	110	.00	.00	9	16	771	.0	1
7015.0	17:57	3.22	94	113	.00	.00	9	16	759	.0	1
7020.0	17:59	3.32	95	113	.00	.00	9	16	759	.0	1
7030.0	18:10	3.40	97	115	.00	.00	9	16	758	.0	3
7035.0	18:14	3.41	103	115	.00	.00	9	16	759	.0	5
7040.0	18:25	3.68	106	115	.00	.00	9	16	763	.0	4
7050.0	18:58	3.76	107	116	.00	.00	12	13	785	.0	9
3066											
7055.0	19: 5	3.44	108	118	.00	.00	14	11	799	.0	4
7060.0	19:16	3.50	110	120	.00	.00	14	11	793	.0	5
7065.0	19:20	2.99	110	120	.00	.00	14	11	796	.0	1
7070.0	20:20	3.18	113	123	.00	.00	14	11	796	.0	3
7080.0	20:30	3.15	116	120	.00	.00	14	11	794	.0	3
7085.0	20:35	3.48	116	121	.00	.00	14	11	793	.0	5
7090.0	20:38	3.49	115	121	.00	.00	14	11	788	.0	3
7095.0	20:44	3.51	115	122	.00	.00	14	11	788	.0	4
7100.0	20:48	3.43	115	124	.00	.00	14	11	788	.0	4
7105.0	20:50	3.53	115	124	.00	.00	14	11	788	.0	3
3101											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
3101											
7110.0	21: 3	3.58	115	124	.00	.00	14	11	790	.0	3
7115.0	21: 6	3.19	115	124	.00	.00	14	11	791	.0	3
7120.0	21: 8	3.29	115	124	.00	.00	14	11	791	.0	3
7125.0	21:13	3.37	112	125	.00	.00	14	11	790	.0	3
7130.0	21:14	2.83	111	124	.00	.00	14	11	788	.0	3
7140.0	21:25	3.01	111	124	.00	.00	14	11	785	.0	3
7145.0	21:28	3.08	111	124	.00	.00	14	11	784	.0	3
7150.0	21:38	3.55	112	123	.00	.00	14	11	784	.0	5
7155.0	22: 1	3.72	112	122	.00	.00	14	11	645	.0	5
7160.0	22:20	3.90	112	122	.00	.00	14	11	646	.0	5
3137											
7165.0	22:33	3.94	112	121	.00	.00	14	11	647	.0	3
7170.0	22:40	3.49	112	121	.00	.00	14	11	648	.0	4
7175.0	23:13	3.35	112	122	.00	.00	14	11	743	.0	4
7180.0	23:21	3.44	112	123	.00	.00	14	11	774	.0	4
7185.0	23:27	3.35	113	123	.00	.00	14	11	774	.0	5
7190.0	23:37	3.56	113	124	.00	.00	14	11	772	.0	4
7195.0	23:51	3.65	114	124	.00	.00	14	11	775	.0	5
7210.0	0:28	3.72	114	125	.00	.00	14	11	783	.0	8
7215.0	0:37	3.60	115	125	.00	.00	14	11	793	.0	5
7220.0	0:39	3.33	115	125	.00	.00	14	11	793	.0	3
3182											
7230.0	1:46	3.29	119	129	.00	.00	14	11	776	.0	2
7235.0	1:57	3.22	120	118	.00	.00	14	11	756	.0	2
7240.0	2: 3	3.39	119	121	.00	.00	14	11	753	.0	3
7245.0	2: 8	3.27	119	127	.00	.00	14	11	753	.0	2
7250.0	2:11	3.20	119	128	.00	.00	14	11	753	.0	3
7255.0	2:18	3.45	119	128	.00	.00	14	11	753	.0	2
7260.0	2:26	3.52	118	128	.00	.00	14	11	751	.0	4
7265.0	2:41	3.65	118	128	.00	.00	14	11	746	.0	2
7270.0	2:56	3.93	118	127	.00	.00	14	11	748	.0	4
7275.0	3: 1	3.45	117	126	.00	.00	14	11	748	.0	1
3207											
7280.0	3:12	3.71	117	126	.00	.00	14	11	751	.0	4
7285.0	3:22	3.75	117	126	.00	.00	14	11	758	.0	3
7290.0	3:50	4.39	116	126	.00	.00	14	11	759	.0	5
7300.0	4:21	3.95	116	126	.00	.00	14	11	689	.0	6
7305.0	4:32	4.04	116	126	.00	.00	14	11	632	.0	2
7310.0	4:49	4.14	116	121	.00	.00	14	11	671	.0	5
7315.0	5: 4	4.37	116	124	.00	.00	14	11	751	.0	3
7320.0	5:13	4.14	116	126	.00	.00	14	11	754	.0	4
7325.0	5:27	3.98	116	126	.00	.00	14	11	755	.0	2
7330.0	5:44	4.35	116	126	.00	.00	14	11	746	.0	2
3243											
7335.0	6: 0	4.37	117	126	.00	.00	14	11	748	.0	4
7340.0	6: 7	3.98	117	127	.00	.00	14	11	746	.0	5
7345.0	6:12	3.84	117	127	.00	.00	14	11	746	.0	5
7350.0	6:22	4.14	118	127	.00	.00	14	11	744	.0	5
7360.0	6:50	4.24	117	126	.00	.00	14	11	743	.0	4
7365.0	7:17	4.38	117	126	.00	.00	14	11	762	.0	5
7370.0	7:44	4.45	117	127	.00	.00	14	11	762	.0	4
7375.0	7:54	3.97	117	127	.00	.00	14	11	763	.0	4
7380.0	8: 4	3.77	118	128	.00	.00	14	11	763	.0	4
7385.0	8: 9	3.73	118	128	.00	.00	14	11	762	.0	4
3287											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
3287											
7387.0	8:13	4.03	118	128	.00	.00	14	11	765	.0	2

NEW BIT ID: 8											

7390.0	20:18	4.69	102	120	.00	.00	14	11	781	.0	2
7395.0	20:18	4.80	103	116	.00	.00	14	11	781	.0	1
7400.0	20:22	4.84	104	117	.00	.00	14	11	784	.0	1
7405.0	20:41	4.43	108	120	.00	.00	14	11	782	.0	2
7415.0	22:16	4.79	114	124	.00	.00	14	11	783	.0	4
7420.0	23:56	4.45	118	127	.00	.00	14	11	801	.0	5
7425.0	0:32	4.57	119	129	.00	.00	14	11	815	.0	4
7430.0	0:42	4.16	120	129	.00	.00	14	11	815	.0	5
7435.0	0:55	4.10	120	130	.00	.00	14	11	813	.0	5

3322											
7440.0	1:31	4.66	120	130	.00	.00	14	11	813	.0	5
7445.0	1:39	4.74	121	131	.00	.00	14	11	820	.0	1
7450.0	1:56	4.45	120	132	.00	.00	14	11	817	.0	1
7455.0	2:14	4.55	120	127	.00	.00	14	11	789	.0	2
7460.0	2:59	4.78	122	133	.00	.00	14	11	815	.0	5
7465.0	3:15	4.29	123	133	.00	.00	14	11	824	.0	5
7470.0	3:25	4.27	123	133	.00	.00	14	11	821	.0	5
7475.0	3:51	4.41	123	134	.00	.00	14	11	817	.0	5
7480.0	4: 9	4.40	123	134	.00	.00	14	11	815	.0	5
7485.0	4:47	4.58	123	134	.00	.00	14	11	819	.0	5

3361											
7490.0	5: 5	4.42	123	135	.00	.00	14	11	817	.0	5
7500.0	5:19	4.01	124	135	.00	.00	14	11	815	.0	8
7505.0	5:34	4.17	124	135	.00	.00	15	13	806	.0	5
7510.0	5:44	4.13	124	134	.00	.00	16	14	799	.0	5
7520.0	5:56	4.30	124	133	.00	.00	16	14	799	.0	4
7523.0	5:57	4.44	124	132	.00	.00	16	14	799	.0	1

NEW BIT ID: 9											

7525.0	16:22	3.76	109	124	.00	.00	16	14	666	.0	2
7530.0	16:35	3.53	111	127	.00	.00	16	14	666	.0	5
7535.0	16:48	3.66	115	130	.00	.00	16	14	666	.0	5
7540.0	16:59	3.63	117	129	.00	.00	16	14	623	.0	4

3409											
7545.0	17: 8	3.72	118	131	.00	.00	16	14	636	.0	4
7550.0	17:44	3.58	120	134	.00	.00	16	14	659	.0	5
7555.0	17:52	3.62	121	133	.00	.00	16	14	660	.0	5
7560.0	17:59	3.55	122	133	.00	.00	16	14	668	.0	3
7565.0	18: 9	3.69	123	133	.00	.00	16	14	668	.0	5
7570.0	18:14	3.64	123	131	.00	.00	16	14	670	.0	5
7575.0	18:31	3.82	122	132	.00	.00	16	14	671	.0	5
7580.0	18:59	3.76	122	132	.00	.00	16	14	680	.0	2
7585.0	19:10	3.95	122	132	.00	.00	16	14	699	.0	2
7590.0	19:18	3.71	122	134	.00	.00	16	14	701	.0	2

3447											
7600.0	19:52	3.63	123	135	.00	.00	16	14	700	.0	3
7610.0	20:28	3.81	124	136	.00	.00	16	14	709	.0	3
7620.0	20:53	3.71	125	137	.00	.00	16	14	727	.0	2
7625.0	20:59	3.49	126	138	.00	.00	16	14	726	.0	2

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
3457											
7630.0	21: 9	3.58	126	138	.00	.00	16	14	724	.0	2
7640.0	21:48	3.74	126	138	.00	.00	16	14	725	.0	4
7650.0	22:14	3.58	125	135	.00	.00	16	14	676	.0	5
7660.0	23: 2	3.96	124	135	.00	.00	16	14	641	.0	4
7670.0	23:56	3.89	122	134	.00	.00	16	14	643	.0	4
7675.0	0: 4	3.56	122	134	.00	.00	16	14	634	.0	3
7680.0	0:19	3.71	120	134	.00	.00	16	14	634	.0	5
7685.0	0:41	4.01	121	132	.00	.00	16	14	668	.0	5
7690.0	0:56	3.89	122	134	.00	.00	16	14	678	.0	5
7700.0	1:28	4.20	124	135	.00	.00	16	14	680	.0	7
3501											
7705.0	1:33	3.89	124	124	.00	.00	16	14	672	.0	4
7710.0	1:54	4.16	124	134	.00	.00	16	14	665	.0	5
7715.0	2:26	4.25	125	136	.00	.00	16	14	670	.0	5
7720.0	2:37	3.92	125	136	.00	.00	16	14	674	.0	5
7725.0	3: 0	4.17	125	137	.00	.00	16	14	674	.0	5
7730.0	3: 8	3.75	126	137	.00	.00	16	14	671	.0	5
7735.0	3:32	3.85	125	136	.00	.00	16	14	685	.0	3
7740.0	3:43	3.68	125	137	.00	.00	16	14	698	.0	5
7745.0	4: 3	3.94	126	138	.00	.00	16	14	702	.0	5
7750.0	4:20	3.81	126	138	.00	.00	16	14	701	.0	4
3547											
7755.0	4:28	3.73	127	138	.00	.00	16	14	700	.0	5
7760.0	4:38	3.66	127	139	.00	.00	16	14	700	.0	4
7770.0	5: 2	3.89	127	138	.00	.00	16	14	706	.0	7
7775.0	5: 8	3.75	126	139	.00	.00	16	14	703	.0	5
7780.0	5:14	3.65	127	139	.00	.00	16	14	703	.0	4
7785.0	5:22	3.76	127	139	.00	.00	16	14	707	.0	4
7790.0	5:28	3.61	127	139	.00	.00	16	14	709	.0	4
7795.0	5:45	3.64	127	139	.00	.00	16	14	708	.0	4
7800.0	5:47	3.69	127	136	.00	.00	16	14	696	.0	2
7805.0	6: 4	3.87	127	139	.00	.00	16	14	707	.0	4
3590											
7810.0	6:12	3.57	127	139	.00	.00	16	14	663	.0	1
7820.0	6:43	3.95	128	139	.00	.00	16	14	659	.0	6
7825.0	7: 6	3.99	128	139	.00	.00	16	14	682	.0	5
7830.0	7:25	3.87	128	139	.00	.00	16	14	682	.0	5
7835.0	7:36	3.84	127	138	.00	.00	16	14	683	.0	5
7840.0	7:45	3.67	127	140	.00	.00	16	14	698	.0	5
7845.0	7:53	3.69	128	140	.00	.00	16	14	706	.0	5
7850.0	8: 2	3.73	128	140	.00	.00	16	14	706	.0	4
7855.0	8:11	3.61	128	141	.00	.00	16	14	704	.0	3
7860.0	8:31	3.71	129	140	.00	.00	16	14	706	.0	4
3633											
7865.0	8:43	3.65	128	140	.00	.00	16	14	696	.0	5
7870.0	8:48	3.64	128	141	.00	.00	16	14	703	.0	4
7875.0	9:16	4.10	129	141	.00	.00	16	14	702	.0	4
7880.0	9:25	3.55	129	141	.00	.00	16	14	703	.0	5
7890.0	9:45	3.76	129	141	.00	.00	16	14	703	.0	7
7900.0	10:15	3.85	128	141	.00	.00	16	14	694	.0	5
7905.0	10:24	3.83	127	140	.00	.00	16	14	691	.0	4
7910.0	10:34	3.75	126	140	.00	.00	16	14	692	.0	4
7915.0	10:45	3.95	126	140	.00	.00	16	14	692	.0	5
7920.0	10:54	3.88	126	140	.00	.00	16	14	690	.0	5
3681											

DEPTH	TIME	RS	MTI	MTD	GAS	MRO	YPM	PVM	MVI	MDDV	RECDS
3681											
7930.0	11:24	3.87	117	136	.00	.00	16	14	673	.0	8
7935.0	11:27	3.61	118	136	.00	.00	16	14	698	.0	4
7940.0	11:38	3.77	119	136	.00	.00	16	14	701	.0	3
7945.0	11:47	3.80	121	136	.00	.00	16	14	701	.0	2
7950.0	12:10	4.23	121	134	.00	.00	16	14	700	.0	4
7955.0	12:57	4.42	121	132	.00	.00	16	14	699	.0	2
7960.0	13:33	4.44	121	134	.00	.00	16	14	706	.0	4
7970.0	14:21	4.23	119	133	.00	.00	16	14	701	.0	5
7980.0	14:49	3.93	124	135	.00	.00	16	14	693	.0	6
7990.0	15:36	4.03	124	133	.00	.00	16	14	695	.0	3
3722											
8000.0	16: 8	3.96	125	137	.00	.00	16	14	702	.0	3
8005.0	16:38	4.03	126	137	.00	.00	16	14	699	.0	3
8010.0	16:57	4.02	126	137	.00	.00	16	14	699	.0	2
8015.0	17:22	4.13	126	137	.00	.00	16	14	699	.0	2
8020.0	17:44	3.87	126	137	.00	.00	16	14	697	.0	2
8025.0	17:54	3.66	126	138	.00	.00	16	14	696	.0	3
8030.0	18: 1	3.60	126	138	.00	.00	16	14	697	.0	2
8035.0	18:15	3.80	126	138	.00	.00	16	14	697	.0	2
8040.0	18:45	4.22	126	138	.00	.00	16	14	702	.0	2
8045.0	19:21	4.32	127	139	.00	.00	16	14	702	.0	2
3745											
8050.0	19:49	3.93	128	140	.00	.00	16	14	708	.0	2
8060.0	20:17	3.76	128	141	.00	.00	16	14	618	.0	3
8065.0	20:27	3.75	128	141	.00	.00	16	14	575	.0	3
8070.0	20:57	4.33	128	139	.00	.00	16	14	580	.0	3
8080.0	21:52	4.17	127	139	.00	.00	16	14	580	.0	5
8090.0	22: 9	3.70	126	139	.00	.00	16	14	577	.0	4
8095.0	22:15	3.59	126	139	.00	.00	16	14	581	.0	1
8100.0	22:22	3.81	126	139	.00	.00	16	14	581	.0	3

DUMP C

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



DEPTH	STEP	CHRS	MOB	HKLDX	HKLD	BWDV	SPM1	SPM2	FMPR	PCS6	HSP

						NEW BIT ID:	2				

785.0	.0	.0	12	151	143	0	19.6	21.3	1468	0	369
790.0	5.0	.0	13	151	134	0	96.2	103.7	1391	0	373
800.0	10.0	.0	14	151	118	0	95.3	108.5	1392	0	380
810.0	10.0	.1	12	151	131	0	97.2	104.9	754	0	387
840.0	30.0	.1	16	153	131	0	85.8	114.3	504	0	403
870.0	30.0	.2	17	162	145	0	61.8	107.4	1442	0	426
900.0	30.0	.2	11	162	161	0	92.2	109.0	1448	0	447
930.0	30.0	.3	15	165	137	0	79.0	80.6	1451	0	464
950.0	20.0	.3	15	164	87	0	74.5	92.2	1304	0	451
965.0	15.0	.3	15	172	138	0	87.0	88.0	1343	0	454
82											
980.0	15.0	.3	15	172	121	0	100.0	110.0	1501	0	467
990.0	10.0	.4	15	172	171	0	95.1	103.8	1505	0	464
1000.0	10.0	.4	15	173	117	0	81.3	90.1	1508	0	480
1015.0	15.0	.4	15	173	134	0	95.6	110.9	1512	0	496
1030.0	15.0	.4	15	175	173	0	95.1	110.6	1220	0	528
1050.0	20.0	.5	15	175	148	0	99.1	108.2	1013	0	544
1070.0	20.0	.5	15	175	138	0	90.2	111.6	342	0	547
1080.0	10.0	.5	15	175	88	0	97.6	.0	450	0	557
1090.0	10.0	.5	15	177	153	0	98.0	.0	509	0	547
1095.0	5.0	.6	15	177	173	0	120.3	.0	523	0	549
95											
1105.0	10.0	.6	15	182	170	0	109.5	.0	507	0	554
1110.0	5.0	.6	15	182	129	0	94.8	.0	451	0	558
1120.0	10.0	.6	15	182	114	0	85.1	.0	453	0	565
1130.0	10.0	.6	15	182	125	0	97.7	.0	460	0	571
1150.0	20.0	.7	15	178	153	0	92.4	.0	479	0	583
1170.0	20.0	.7	15	182	124	0	71.8	.0	468	0	594
1200.0	30.0	.8	15	682	676	0	97.5	.0	483	0	613
1230.0	30.0	.9	8	340	332	0	97.9	.0	468	0	632
1255.0	25.0	1.0	18	367	333	0	75.7	54.6	1013	0	633
1260.0	5.0	1.1	22	367	337	0	91.4	109.9	1529	0	640
111											
1270.0	10.0	1.1	22	367	343	0	92.7	113.4	1533	0	648
1275.0	5.0	1.1	22	367	335	0	91.8	105.4	1484	0	647
1280.0	5.0	1.1	22	367	339	0	93.9	106.4	1490	0	649
1285.0	5.0	1.1	22	367	353	0	77.8	95.4	1406	0	629
1290.0	5.0	1.2	15	367	353	0	95.3	106.5	1532	0	632
1300.0	10.0	1.2	11	367	356	0	92.8	103.7	1489	0	643
1305.0	5.0	1.2	10	367	337	0	91.8	104.9	1498	0	647
1310.0	5.0	1.2	15	367	353	0	86.8	95.8	1501	0	649
1315.0	5.0	1.2	17	367	315	0	90.5	97.7	1225	0	645
1320.0	5.0	1.2	10	367	356	0	95.5	106.0	1518	0	639
133											
1325.0	5.0	1.2	10	367	358	0	98.2	109.9	1514	0	644
1330.0	5.0	1.2	8	367	358	0	92.4	106.1	1513	0	648
1340.0	10.0	1.2	6	367	361	0	90.7	107.7	1511	0	656
1345.0	5.0	1.3	19	367	353	0	84.9	118.8	1497	0	660
1350.0	5.0	1.3	16	367	352	0	90.5	106.5	1475	0	667
1355.0	5.0	1.3	9	367	358	0	73.3	86.7	1015	0	670
1360.0	5.0	1.3	5	367	363	0	72.8	85.1	994	0	677

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	144										
1370.0	10.0	1.3	13	367	354	0	62.6	84.6	909	0	685
1375.0	5.0	1.4	18	367	354	0	69.3	82.9	764	0	691
1380.0	5.0	1.4	16	367	353	0	91.2	99.8	1548	0	682
1385.0	5.0	1.4	17	367	357	0	94.6	107.3	1572	0	681
1390.0	5.0	1.4	12	367	360	0	96.3	106.0	1578	0	678
1400.0	10.0	1.5	12	367	363	0	94.9	108.4	1580	0	684
1410.0	10.0	1.5	18	367	336	0	85.6	100.7	1481	0	696
1415.0	5.0	1.6	19	367	349	0	92.2	112.4	1590	0	700
1420.0	5.0	1.6	17	367	351	0	91.4	120.6	1593	0	703
1425.0	5.0	1.6	10	367	357	0	92.9	110.7	1594	0	715
	185										
1430.0	5.0	1.6	16	367	360	0	92.7	111.2	1595	0	713
1435.0	5.0	1.7	16	367	357	0	92.4	111.6	1547	0	720
1440.0	5.0	1.7	18	367	350	0	96.0	104.4	1599	0	711
1445.0	5.0	1.7	12	367	355	0	78.0	111.6	1600	0	718
1450.0	5.0	1.7	12	367	359	0	94.3	109.3	1608	0	719
1455.0	5.0	1.8	13	367	356	0	95.1	108.8	1610	0	721
1460.0	5.0	1.8	23	367	347	0	93.7	110.2	1616	0	724
1465.0	5.0	1.8	16	367	352	0	93.8	109.6	1613	0	727
1470.0	5.0	1.8	17	367	350	0	92.0	104.7	1406	0	723
1480.0	10.0	1.9	14	367	354	0	91.0	105.6	1524	0	729
	217										
1490.0	10.0	1.9	18	367	351	0	91.0	105.3	1526	0	736
1495.0	5.0	1.9	17	367	351	0	91.4	118.0	1530	0	745
1500.0	5.0	1.9	13	367	361	0	91.2	105.6	1529	0	750
1505.0	5.0	2.0	15	367	352	0	91.7	106.1	1533	0	751
1510.0	5.0	2.0	10	367	358	0	92.6	104.1	1543	0	753
1520.0	10.0	2.0	13	367	341	0	93.6	105.7	1550	0	762
1525.0	5.0	2.1	16	367	352	0	92.5	105.4	1547	0	764
1530.0	5.0	2.1	13	367	359	0	92.8	105.1	1548	0	765
1540.0	10.0	2.1	13	367	256	0	97.9	100.4	1544	0	767
1545.0	5.0	2.2	14	367	351	0	94.8	104.3	1564	0	774
	254										
1550.0	5.0	2.2	15	367	361	0	94.8	106.2	1575	0	775
1555.0	5.0	2.2	16	367	364	0	95.5	105.4	1575	0	776
1560.0	5.0	2.2	21	367	345	0	100.7	106.9	1574	0	781
1570.0	10.0	2.3	21	367	345	0	91.0	99.6	1406	0	780
1575.0	5.0	2.3	12	367	361	0	96.5	101.0	1522	0	780
1580.0	5.0	2.3	12	367	363	0	92.2	104.8	1525	0	785
1585.0	5.0	2.4	14	367	350	0	91.9	104.5	1516	0	791
1590.0	5.0	2.4	10	367	360	0	92.5	104.2	1522	0	797
1595.0	5.0	2.4	18	367	358	0	90.3	104.1	1448	0	798
1600.0	5.0	2.4	20	367	347	0	92.6	104.0	1503	0	797
	289										
1605.0	5.0	2.5	14	367	353	0	91.2	106.6	1513	0	801
1610.0	5.0	2.5	13	367	353	0	90.9	106.7	1514	0	805
1615.0	5.0	2.5	13	367	355	0	90.8	106.4	1515	0	810
1625.0	10.0	2.6	16	258	236	0	91.0	106.4	1193	0	812
1640.0	15.0	2.7	18	403	380	0	92.8	107.2	1480	0	823
1650.0	10.0	2.7	15	399	386	0	93.8	107.7	1555	0	831
1655.0	5.0	2.8	15	398	382	0	93.0	107.6	1565	0	836
1660.0	5.0	2.8	16	396	379	0	91.5	104.6	1490	0	831
1665.0	5.0	2.8	13	395	382	0	91.6	108.0	1543	0	830
1670.0	5.0	2.9	16	391	369	0	91.4	105.5	1516	0	836

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
337											
1675.0	5.0	2.9	16	385	373	0	92.2	104.3	1515	0	843
1680.0	5.0	2.9	18	485	396	0	87.2	101.2	1313	0	850
1690.0	10.0	2.9	20	385	358	0	91.7	103.4	1474	0	857
1695.0	5.0	2.9	16	380	364	0	94.4	106.2	1556	0	860
1700.0	5.0	3.0	12	380	367	0	90.1	106.6	1524	0	864
1705.0	5.0	3.0	21	380	359	0	91.5	105.8	1531	0	869
1710.0	5.0	3.0	16	380	364	0	91.7	106.6	1538	0	871
1720.0	10.0	3.1	15	376	364	0	91.7	104.8	1521	0	871
1725.0	5.0	3.1	12	362	353	0	94.2	107.6	1591	0	872
1730.0	5.0	3.1	12	365	359	0	91.7	104.8	1516	0	876
378											
1735.0	5.0	3.2	12	376	365	0	91.4	105.0	1532	0	881
1740.0	5.0	3.2	10	376	369	0	91.8	105.2	1538	0	885
1745.0	5.0	3.2	13	376	370	0	88.7	101.2	1431	0	883
1750.0	5.0	3.2	16	376	362	0	94.1	108.1	1620	0	876
1755.0	5.0	3.3	15	376	362	0	93.9	107.5	1601	0	881
1760.0	5.0	3.3	13	376	368	0	90.9	106.5	1535	0	886
1765.0	5.0	3.3	16	400	339	0	91.3	106.0	1556	0	893
1770.0	5.0	3.4	16	416	342	0	89.7	106.5	1584	0	899
1775.0	5.0	3.4	16	376	360	0	91.3	110.8	1597	0	903
1780.0	5.0	3.4	17	376	358	0	89.8	109.9	1600	0	907
418											
1790.0	10.0	3.4	19	401	376	0	90.7	106.7	1551	0	914
1795.0	5.0	3.5	22	382	374	0	90.1	102.9	1522	0	916
1800.0	5.0	3.5	19	383	365	0	90.5	104.2	1523	0	919
1805.0	5.0	3.5	14	383	370	0	89.9	103.9	1515	0	920
1810.0	5.0	3.6	16	383	368	0	90.0	103.3	1513	0	930
1815.0	5.0	3.6	15	383	371	0	91.0	103.4	1520	0	946
1820.0	5.0	3.6	18	379	333	0	89.2	101.5	1560	0	923
1825.0	5.0	3.6	18	380	369	0	88.9	103.2	1497	0	924
1830.0	5.0	3.7	20	380	360	0	87.4	102.9	1483	0	927
1840.0	10.0	3.7	21	380	360	0	83.3	102.9	1523	0	938
461											
1845.0	5.0	3.7	13	380	372	0	86.4	106.1	1526	0	942
1850.0	5.0	3.7	13	390	369	0	89.8	102.4	1532	0	947
1855.0	5.0	3.7	18	390	371	0	89.9	104.0	1541	0	952
1860.0	5.0	3.8	30	390	350	0	90.7	103.4	1535	0	956
1865.0	5.0	3.8	32	390	361	0	88.9	103.2	1531	0	961
1870.0	5.0	3.8	21	390	369	0	93.4	103.9	1589	0	964
1875.0	5.0	3.8	29	390	358	0	94.5	105.3	1627	0	958
1880.0	5.0	3.9	31	390	359	0	93.6	107.3	1625	0	960
1885.0	5.0	3.9	27	390	364	0	93.2	107.2	1624	0	964
1890.0	5.0	3.9	24	392	370	0	93.7	106.3	1618	0	968
478											
1895.0	5.0	3.9	32	392	350	0	93.9	105.4	1609	0	972
1900.0	5.0	3.9	30	390	366	0	92.9	106.0	1615	0	972
1905.0	5.0	3.9	24	390	375	0	93.0	106.6	1618	0	971
1910.0	5.0	4.0	30	397	370	0	88.1	100.8	1567	0	964
1915.0	5.0	4.0	36	400	364	0	90.4	105.1	1568	0	964
1920.0	5.0	4.0	36	400	364	0	90.1	105.1	1569	0	967
1925.0	5.0	4.1	28	400	372	0	90.2	105.1	1560	0	966
1940.0	15.0	4.1	29	400	367	0	89.6	104.1	1564	0	966
1945.0	5.0	4.2	48	400	355	0	88.9	97.3	1493	0	972
1950.0	5.0	4.2	42	400	364	0	89.6	99.3	1498	0	976

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
510											
1955.0	5.0	4.3	36	400	366	0	88.8	101.8	1544	0	980
1960.0	5.0	4.3	34	400	348	0	89.6	103.2	1539	0	984
1965.0	5.0	4.3	43	400	359	0	88.8	102.1	1543	0	987
1970.0	5.0	4.3	36	400	365	0	89.6	103.2	1547	0	989
1975.0	5.0	4.4	40	400	358	0	89.1	100.8	1600	0	977
1980.0	5.0	4.4	37	400	363	0	93.0	105.4	1635	0	976
1985.0	5.0	4.4	41	400	356	0	92.6	105.4	1632	0	978
1990.0	5.0	4.5	39	400	361	0	92.6	105.8	1627	0	977
1995.0	5.0	4.5	34	400	366	0	93.4	105.5	1635	0	977
2000.0	5.0	4.5	34	400	360	0	91.7	105.4	1634	0	980
545											
2005.0	5.0	4.6	37	400	368	0	93.7	105.6	1642	0	989
2010.0	5.0	4.6	37	400	364	0	96.7	106.2	1699	0	998
2015.0	5.0	4.6	35	400	359	0	95.8	105.6	1699	0	1003
2020.0	5.0	4.7	33	400	366	0	95.8	105.8	1682	0	1010
2025.0	5.0	4.7	30	400	372	0	96.4	105.0	1688	0	1015
2030.0	5.0	4.7	26	400	374	0	96.3	106.4	1705	0	1019
2040.0	10.0	4.7	33	400	366	0	93.9	106.8	1837	0	1029
2045.0	5.0	4.8	16	400	384	0	94.4	107.2	1983	0	1035
2050.0	5.0	4.8	26	400	361	0	106.7	128.1	2462	0	1038
2055.0	5.0	4.8	21	400	378	0	107.2	128.7	2440	0	1040
585											
2060.0	5.0	4.9	15	400	386	0	107.1	128.0	2074	0	1041
2065.0	5.0	4.9	18	400	380	0	108.7	129.4	1993	0	1045
2070.0	5.0	4.9	26	400	369	0	106.9	128.3	1876	0	1041
2075.0	5.0	4.9	33	400	360	0	107.0	125.4	1879	0	1041
2080.0	5.0	4.9	32	400	366	0	108.1	125.5	1872	0	1044
2090.0	10.0	5.0	23	400	231	0	107.2	125.1	1875	0	1052
2100.0	10.0	5.0	23	0	181	0	105.6	127.0	1869	0	1059
2105.0	5.0	5.0	23	190	170	0	107.4	125.9	1864	0	1063
2110.0	5.0	5.0	23	195	189	0	107.8	124.9	1866	0	1066
2115.0	5.0	5.0	20	210	189	0	106.5	124.6	1868	0	1062
604											
2120.0	5.0	5.1	16	211	194	0	107.6	126.6	1901	0	1060
2125.0	5.0	5.1	16	211	198	0	107.7	126.6	1903	0	1058
2130.0	5.0	5.1	18	212	191	0	107.7	126.7	1879	0	1057
2135.0	5.0	5.2	23	214	189	0	108.3	128.0	1941	0	1060
2140.0	5.0	5.2	25	214	189	0	111.8	118.0	1756	0	1061
2145.0	5.0	5.2	21	214	193	0	111.3	122.7	1878	0	1065
2155.0	10.0	5.3	17	213	193	0	109.5	129.9	1951	0	1067
2165.0	10.0	5.3	18	210	201	0	113.5	124.9	2161	0	1070
2170.0	5.0	5.4	23	210	198	0	112.0	124.0	2161	0	1074
2175.0	5.0	5.4	27	210	169	0	114.3	124.2	2158	0	1077
646											
2180.0	5.0	5.4	22	210	196	0	110.2	127.6	2106	0	1076
2200.0	20.0	5.5	27	219	189	0	108.5	128.9	2559	0	1082
2205.0	5.0	5.6	20	219	199	0	108.0	129.9	2540	0	1089
2210.0	5.0	5.6	18	219	202	0	108.6	129.5	2540	0	1093
2215.0	5.0	5.6	20	219	198	0	108.5	129.2	2541	0	1097
2220.0	5.0	5.7	19	219	204	0	108.6	130.6	2542	0	1099
2225.0	5.0	5.7	23	218	189	0	104.8	121.6	2497	0	1091
2230.0	5.0	5.7	24	214	189	0	107.9	127.3	2519	0	1094
2235.0	5.0	5.7	21	214	194	0	109.4	126.8	2517	0	1098
2240.0	5.0	5.8	18	214	199	0	109.3	125.2	2515	0	1104

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
691											
2245.0	5.0	5.8	19	211	192	0	108.1	126.6	2490	0	1107
2250.0	5.0	5.8	21	211	193	0	85.7	99.1	2456	0	1111
2255.0	5.0	5.8	18	211	193	0	106.9	121.5	2455	0	1116
2260.0	5.0	5.9	17	211	194	0	108.2	123.9	2459	0	1118
2265.0	5.0	5.9	21	215	193	0	107.3	123.1	2450	0	1121
2270.0	5.0	5.9	21	215	194	0	112.4	119.2	2446	0	1123
2275.0	5.0	5.9	21	215	193	0	107.5	122.6	2446	0	1123
2280.0	5.0	6.0	25	215	190	0	107.4	122.6	2440	0	1122
2290.0	10.0	6.1	25	207	183	0	106.5	125.9	2472	0	1112
2295.0	5.0	6.1	24	205	181	0	107.6	128.7	2548	0	1114
729											
2300.0	5.0	6.1	23	205	182	0	108.1	125.5	2509	0	1117
2305.0	5.0	6.2	26	206	180	0	108.1	125.4	2510	0	1119
2310.0	5.0	6.2	30	207	178	0	108.5	125.5	2514	0	1123
2315.0	5.0	6.2	26	207	182	0	108.1	125.3	2512	0	1127
2320.0	5.0	6.3	27	206	181	0	106.2	119.5	2469	0	1127
2325.0	5.0	6.3	24	205	180	0	114.3	124.0	2600	0	1129
2330.0	5.0	6.3	23	205	182	0	114.1	123.9	2593	0	1132
2335.0	5.0	6.4	25	205	180	0	114.0	123.6	2602	0	1136
2340.0	5.0	6.4	23	205	182	0	114.1	123.9	2600	0	1139
2345.0	5.0	6.4	21	205	187	0	114.4	123.7	2603	0	1142
778											
2350.0	5.0	6.5	25	205	185	0	102.2	113.2	2418	0	1147
2355.0	5.0	6.5	25	205	180	0	107.9	121.7	2460	0	1149
2360.0	5.0	6.5	26	205	179	0	107.6	121.2	2463	0	1152
2365.0	5.0	6.5	25	205	179	0	107.6	121.7	2465	0	1155
2370.0	5.0	6.6	25	205	181	0	107.9	121.2	2463	0	1158
2375.0	5.0	6.6	24	205	180	0	106.0	122.3	2446	0	1161
2380.0	5.0	6.6	25	205	180	0	110.7	123.3	2542	0	1165
2385.0	5.0	6.7	23	205	181	0	110.8	118.2	2543	0	1170
2390.0	5.0	6.7	33	205	170	0	111.0	122.8	2549	0	1172
2395.0	5.0	6.7	22	205	183	0	111.4	122.4	2544	0	1175
820											
2400.0	5.0	6.8	27	205	180	0	110.7	122.8	2548	0	1176
2405.0	5.0	6.8	25	205	187	0	111.4	122.6	2553	0	1178
2410.0	5.0	6.8	24	205	181	0	111.0	122.8	2554	0	1183
2415.0	5.0	6.9	25	205	179	0	107.6	123.1	2597	0	1186
2420.0	5.0	6.9	23	205	182	0	109.1	123.1	2527	0	1189
2425.0	5.0	6.9	21	205	184	0	108.6	123.2	2527	0	1190
2430.0	5.0	6.9	21	205	185	0	108.8	122.9	2528	0	1193
2435.0	5.0	7.0	22	207	184	0	108.8	122.9	2528	0	1193
2440.0	5.0	7.0	23	207	185	0	109.1	123.3	2531	0	1194
2445.0	5.0	7.0	21	207	186	0	109.1	123.3	2531	0	1195
867											
2450.0	5.0	7.1	20	207	187	0	108.5	123.1	2534	0	1196
2455.0	5.0	7.1	24	207	190	0	108.8	123.3	2539	0	1198
2460.0	5.0	7.2	29	210	179	0	105.2	121.9	2456	0	1172
2465.0	5.0	7.2	28	213	185	0	108.8	126.3	2617	0	1177
2470.0	5.0	7.2	28	213	187	0	107.2	124.5	2500	0	1183
2475.0	5.0	7.3	25	213	189	0	110.5	122.9	2571	0	1186
2480.0	5.0	7.3	30	213	184	0	110.4	121.8	2575	0	1191
2485.0	5.0	7.3	28	213	183	0	110.5	121.8	2567	0	1195
2490.0	5.0	7.4	29	213	185	0	110.3	121.8	2568	0	1199
2495.0	5.0	7.4	29	213	184	0	111.1	122.3	2570	0	1203

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
913											
2500.0	5.0	7.4	29	213	185	0	110.8	121.8	2572	0	1207
2505.0	5.0	7.5	26	213	186	0	110.5	121.8	2575	0	1211
2510.0	5.0	7.5	29	213	184	0	111.0	120.8	2539	0	1214
2515.0	5.0	7.5	26	213	185	0	110.3	124.1	2604	0	1215
2520.0	5.0	7.6	29	213	185	0	110.6	123.8	2603	0	1217
2525.0	5.0	7.6	26	213	187	0	110.5	123.8	2607	0	1219
2530.0	5.0	7.7	27	213	186	0	110.5	123.5	2609	0	1220
2540.0	10.0	7.7	30	215	179	0	111.3	116.7	2596	0	1222
2545.0	5.0	7.8	34	221	187	0	110.9	120.6	2575	0	1224
2550.0	5.0	7.8	38	221	183	0	111.1	120.8	2572	0	1228
962											
2555.0	5.0	7.8	37	221	184	0	111.3	120.8	2574	0	1230
2560.0	5.0	7.9	33	221	187	0	111.8	120.7	2566	0	1229
2565.0	5.0	7.9	38	221	183	0	111.4	119.9	2563	0	1231
2570.0	5.0	8.0	36	221	183	0	109.1	121.7	2531	0	1234
2575.0	5.0	8.0	34	219	185	0	106.1	120.6	2478	0	1238
2580.0	5.0	8.0	31	219	188	0	106.6	119.7	2474	0	1241
2585.0	5.0	8.1	33	219	185	0	106.2	119.7	2460	0	1244
2590.0	5.0	8.1	32	219	187	0	106.7	118.8	2453	0	1248
2595.0	5.0	8.2	32	219	187	0	106.3	118.9	2453	0	1253
2600.0	5.0	8.2	32	219	187	0	106.7	117.9	2492	0	1255
1010											
2605.0	5.0	8.3	33	219	185	0	105.3	120.3	2619	0	1250
2610.0	5.0	8.3	32	219	187	0	109.3	124.2	2593	0	1253
2615.0	5.0	8.4	34	219	184	0	109.3	123.3	2595	0	1258
2620.0	5.0	8.4	36	219	182	0	109.5	124.0	2803	0	1263
2625.0	5.0	8.4	33	219	187	0	109.2	123.6	2228	0	1266
2630.0	5.0	8.5	33	219	186	0	102.2	117.1	2206	0	1271
2635.0	5.0	8.5	36	219	184	0	105.2	128.6	2610	0	1277
2640.0	5.0	8.6	36	219	184	0	105.2	127.7	2608	0	1283
2645.0	5.0	8.6	34	219	184	0	105.5	128.1	2607	0	1287
2650.0	5.0	8.7	37	219	182	0	105.4	127.5	2605	0	1289
1059											
2655.0	5.0	8.7	34	219	184	0	105.6	127.7	2532	0	1291
2660.0	5.0	8.8	35	219	185	0	106.1	127.4	2527	0	1294
2665.0	5.0	8.8	29	219	189	0	101.9	122.8	2470	0	1295
2670.0	5.0	8.9	32	220	188	0	109.2	125.6	2546	0	1296
2675.0	5.0	8.9	31	220	189	0	109.5	125.1	2548	0	1299
2680.0	5.0	9.0	31	220	189	0	109.0	124.9	2550	0	1302
2685.0	5.0	9.0	33	222	189	0	109.6	124.7	2548	0	1300
2690.0	5.0	9.0	37	224	187	0	109.3	124.3	2543	0	1300
2695.0	5.0	9.1	44	224	180	0	109.3	124.2	2536	0	1305
2700.0	5.0	9.1	37	220	182	0	106.1	119.4	2499	0	1300
1109											
2705.0	5.0	9.2	35	221	186	0	110.1	125.1	2564	0	1303
2710.0	5.0	9.2	35	221	187	0	110.4	125.5	2565	0	1307
2715.0	5.0	9.3	33	221	187	0	110.6	125.2	2570	0	1311
2720.0	5.0	9.3	35	221	186	0	110.2	125.3	2564	0	1317
2725.0	5.0	9.4	33	221	189	0	110.4	124.5	2562	0	1320
2730.0	5.0	9.4	35	221	186	0	107.3	118.4	2511	0	1322
2735.0	5.0	9.4	32	221	188	0	111.2	121.7	2539	0	1326
2740.0	5.0	9.5	34	221	187	0	112.0	121.5	2542	0	1324
2745.0	5.0	9.5	37	221	185	0	112.5	120.3	2544	0	1328
2750.0	5.0	9.6	36	221	186	0	112.2	121.0	2551	0	1335
1159											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
1159											
2755.0	5.0	9.7	34	221	187	0	107.9	114.1	2552	0	1349
2760.0	5.0	9.7	34	221	186	0	110.3	118.8	2501	0	1347
2765.0	5.0	9.8	35	221	187	0	110.5	124.1	2563	0	1341
2770.0	5.0	9.8	47	231	183	0	110.5	123.8	2562	0	1344
2775.0	5.0	9.9	45	231	187	0	111.0	124.0	2562	0	1348
2780.0	5.0	10.0	45	231	186	0	110.6	123.7	2561	0	1352
2785.0	5.0	10.0	42	231	189	0	110.8	124.3	2561	0	1354
2790.0	5.0	10.1	44	231	185	0	102.9	116.5	2426	0	1355
2795.0	5.0	10.2	43	231	189	0	107.2	123.5	2493	0	1359
2800.0	5.0	10.2	45	231	185	0	107.3	123.3	2494	0	1363
1207											
2805.0	5.0	10.3	43	231	187	0	107.1	123.5	2495	0	1367
2810.0	5.0	10.4	43	231	188	0	107.6	123.8	2504	0	1365
2815.0	5.0	10.4	44	231	187	0	107.1	123.2	2510	0	1368
2820.0	5.0	10.5	46	231	186	0	107.3	123.9	2511	0	1372
2825.0	5.0	10.5	43	231	186	0	111.4	123.2	2509	0	1373
2830.0	5.0	10.5	44	231	188	0	109.8	124.5	2565	0	1377
2835.0	5.0	10.6	41	231	189	0	110.1	124.5	2563	0	1381
2840.0	5.0	10.7	41	231	190	0	110.5	124.5	2563	0	1384
2845.0	5.0	10.7	46	231	185	0	110.1	124.2	2562	0	1389
2850.0	5.0	10.7	43	231	188	0	110.6	124.4	2570	0	1394
1255											
2855.0	5.0	10.8	41	231	191	0	110.7	124.4	2571	0	1400
2860.0	5.0	10.9	46	230	185	0	100.6	116.4	2258	0	1400
2865.0	5.0	10.9	37	230	192	0	102.0	115.8	2277	0	1395
2870.0	5.0	11.0	41	230	188	0	101.1	116.9	2279	0	1399
2875.0	5.0	11.0	44	230	187	0	101.3	116.3	2280	0	1404
2880.0	5.0	11.1	41	230	190	0	101.3	116.5	2281	0	1409
2885.0	5.0	11.1	38	230	191	0	101.2	116.7	2274	0	1412
2890.0	5.0	11.2	43	231	189	0	106.7	121.4	2479	0	1409
2895.0	5.0	11.2	43	231	187	0	110.2	126.1	2600	0	1398
2900.0	5.0	11.3	43	231	188	0	109.7	126.5	2603	0	1400
1304											
2905.0	5.0	11.3	40	231	191	0	110.0	126.1	2599	0	1402
2910.0	5.0	11.4	38	231	194	0	109.6	125.5	2597	0	1405
2915.0	5.0	11.4	39	231	190	0	109.2	125.8	2567	0	1399
2920.0	5.0	11.4	41	231	190	0	104.6	121.1	2581	0	1389
2925.0	5.0	11.5	38	231	194	0	110.4	124.8	2582	0	1390
2930.0	5.0	11.6	39	231	191	0	110.6	124.7	2578	0	1394
2935.0	5.0	11.6	45	231	187	0	110.6	124.7	2571	0	1399
2940.0	5.0	11.6	43	231	189	0	110.3	124.6	2575	0	1404
2945.0	5.0	11.7	39	231	193	0	110.4	124.4	2569	0	1407
2950.0	5.0	11.7	40	231	189	0	110.3	125.5	2602	0	1390
1353											
2955.0	5.0	11.8	39	231	190	0	110.4	128.3	2623	0	1390
2960.0	5.0	11.8	45	231	186	0	111.7	127.1	2639	0	1393
2965.0	5.0	11.9	42	231	188	0	109.5	127.5	2604	0	1397
2970.0	5.0	11.9	40	231	190	0	108.0	128.2	2585	0	1400
2975.0	5.0	12.0	39	231	191	0	108.0	128.0	2586	0	1405
2980.0	5.0	12.0	42	232	187	0	106.4	122.9	2533	0	1416
2985.0	5.0	12.0	40	232	192	0	110.1	125.0	2571	0	1417
2990.0	5.0	12.1	39	232	194	0	109.8	124.9	2570	0	1421
2995.0	5.0	12.2	37	232	195	0	109.7	124.9	2571	0	1425
3000.0	5.0	12.2	40	232	192	0	109.8	125.1	2573	0	1428
1403											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1403											
3005.0	5.0	12.3	38	232	194	0	109.9	125.2	2569	0	1433
3010.0	5.0	12.4	42	232	188	0	101.6	116.4	2267	0	1428
3015.0	5.0	12.5	47	232	184	0	94.1	108.2	2033	0	1423
3020.0	5.0	12.6	52	232	180	0	93.3	107.5	2043	0	1425
3030.0	10.0	.1	21	0	0	0	97.0	95.0	2305	0	1465
3035.0	5.0	.2	26	0	0	0	97.0	95.0	2305	0	1467
3040.0	5.0	.3	27	0	0	0	97.0	95.0	2305	0	1470
3045.0	5.0	.3	43	0	0	0	97.0	90.0	2305	0	1475
3050.0	5.0	.4	46	0	0	0	97.0	88.0	2305	0	1480
3055.0	5.0	.4	47	0	0	0	94.0	92.0	2305	0	1484
1432											
3060.0	5.0	.4	47	0	0	0	94.0	92.0	2305	0	1489
3070.0	10.0	.5	40	0	0	0	98.0	90.0	2305	0	1499
3080.0	10.0	.6	46	0	0	0	90.0	97.0	2305	0	1509
3090.0	10.0	.7	46	0	0	0	91.0	95.0	2340	0	1517
3100.0	10.0	.7	58	0	0	0	91.0	95.0	2340	0	1497
3120.0	20.0	.7	44	0	0	0	99.0	95.0	2341	0	1517
3140.0	20.0	.9	42	0	0	0	94.0	97.0	2350	0	1535
3150.0	10.0	1.0	40	0	0	0	99.0	105.0	2346	0	1544
3155.0	5.0	1.1	41	0	0	0	92.0	103.5	2349	0	1543
3160.0	5.0	1.1	41	0	0	0	83.0	112.0	2352	0	1547
1444											
3165.0	5.0	1.1	41	0	0	0	97.0	94.0	2354	0	1550
3170.0	5.0	1.2	45	0	0	0	87.0	92.0	2285	0	1555
3175.0	5.0	1.2	43	0	0	0	99.0	95.0	2279	0	1558
3180.0	5.0	1.2	44	0	0	0	97.0	93.0	2273	0	1561
3195.0	15.0	1.3	44	0	0	0	88.0	104.0	2283	0	1568
3200.0	5.0	1.4	45	0	0	0	95.3	94.7	2281	0	1570
3220.0	20.0	1.5	46	0	0	0	96.3	92.3	2279	0	1577
3230.0	10.0	1.6	47	0	0	0	97.3	94.7	2276	0	1579
3240.0	10.0	1.8	47	0	0	0	99.0	88.0	2267	0	1588
3245.0	5.0	1.8	44	0	0	0	98.0	91.0	2276	0	1593
1461											
3250.0	5.0	1.8	49	0	0	0	98.0	90.0	2275	0	1598
3270.0	20.0	1.9	45	0	0	0	108.5	84.0	2197	0	1608
3275.0	5.0	1.9	43	0	0	0	95.0	81.0	2056	0	1622
3285.0	10.0	2.0	43	0	0	0	91.0	94.0	2158	0	1632
3300.0	15.0	2.1	43	0	0	0	95.0	95.0	2158	0	1647
3310.0	10.0	2.1	45	0	0	0	106.0	89.0	2164	0	1651
3315.0	5.0	2.2	45	0	0	0	84.0	97.0	2172	0	1654
3320.0	5.0	2.2	46	0	0	0	91.0	92.0	2185	0	1656
3325.0	5.0	2.2	47	0	0	0	95.0	90.0	2193	0	1651
3330.0	5.0	2.3	46	0	0	0	99.0	85.0	2187	0	1653
1472											
3335.0	5.0	2.3	47	0	0	0	86.0	83.0	2188	0	1655
3340.0	5.0	2.3	48	0	0	0	90.0	87.0	2154	0	1659
3345.0	5.0	2.4	48	0	0	0	87.0	97.0	2150	0	1658
3360.0	15.0	2.5	49	0	0	0	85.0	94.0	2160	0	1667
3370.0	10.0	2.6	49	0	0	0	91.0	92.0	2161	0	1672
3375.0	5.0	2.6	56	0	0	0	78.0	78.0	1952	0	1675
3380.0	5.0	2.6	49	0	0	0	84.0	86.0	1949	0	1678
3390.0	10.0	2.7	49	0	0	0	78.0	84.0	1937	0	1683
3400.0	10.0	2.7	48	0	0	0	90.0	86.0	1954	0	1690
3415.0	15.0	2.8	50	0	0	0	90.0	87.5	2088	0	1693
1484											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	FMPR	PCSG	HSP
1484											
3420.0	5.0	2.9	49	0	0	0	103.0	102.0	2165	0	1699
3425.0	5.0	2.9	49	0	0	0	93.0	88.0	2160	0	1702
3430.0	5.0	2.9	50	0	0	0	89.0	84.0	2171	0	1704
3435.0	5.0	3.0	58	0	0	0	88.5	87.5	2184	0	1706
3440.0	5.0	3.0	51	0	0	0	93.0	99.0	2183	0	1709
3445.0	5.0	3.0	51	0	0	0	95.0	92.0	2184	0	1711
3450.0	5.0	3.1	51	0	0	0	94.0	89.0	2175	0	1713
3455.0	5.0	3.1	51	0	0	0	92.0	88.0	2155	0	1716
3460.0	5.0	3.1	50	0	0	0	82.0	94.0	2169	0	1719
3470.0	10.0	3.2	51	0	0	0	91.5	91.0	2205	0	1726
1496											
3480.0	10.0	3.2	50	0	0	0	90.0	87.0	2212	0	1732
3490.0	10.0	3.3	50	0	0	0	88.0	101.0	2192	0	1736
3500.0	10.0	3.4	51	0	0	0	87.0	85.0	2200	0	1741
3505.0	5.0	3.4	49	0	0	0	92.0	92.0	2194	0	1743
3510.0	5.0	3.4	49	0	0	0	83.0	84.0	2202	0	1746
3515.0	5.0	3.5	49	0	0	0	85.0	83.0	2220	0	1749
3520.0	5.0	3.5	48	0	0	0	90.0	93.0	2216	0	1751
3540.0	20.0	3.6	45	0	0	0	100.0	94.5	2192	0	1757
3555.0	15.0	3.7	41	0	0	0	94.0	89.0	2159	0	1770
3560.0	5.0	3.7	41	0	0	0	107.0	85.0	2176	0	1773
1507											
3565.0	5.0	3.7	42	0	0	0	104.0	79.0	2266	0	1776
3570.0	5.0	3.8	43	0	0	0	104.0	94.0	2266	0	1779
3580.0	10.0	3.8	41	0	0	0	92.0	88.0	2159	0	1782
3600.0	20.0	3.9	41	0	0	0	93.5	89.5	2015	0	1751
3620.0	20.0	4.1	41	0	0	0	92.0	87.0	1871	0	1742
3640.0	20.0	4.2	43	0	0	0	100.5	89.5	2229	0	1753
3660.0	20.0	4.3	43	0	0	0	92.0	90.0	2159	0	1768
3665.0	5.0	4.4	43	0	0	0	87.0	85.0	2207	0	1770
3670.0	5.0	4.4	43	0	0	0	97.0	107.0	2231	0	1771
3680.0	10.0	4.4	43	0	0	0	86.0	102.0	2236	0	1774
1519											
3700.0	20.0	4.5	44	0	0	0	90.7	90.0	2207	0	1778
3710.0	10.0	4.6	45	0	0	0	85.0	95.5	2199	0	1783
3715.0	5.0	4.7	42	0	0	0	93.0	100.0	2220	0	1788
3720.0	5.0	4.7	43	0	0	0	85.0	86.0	2244	0	1790
3740.0	20.0	4.8	44	0	0	0	94.0	91.5	2218	0	1795
3750.0	10.0	4.9	44	0	0	0	91.0	89.0	2225	0	1801
3755.0	5.0	5.0	45	0	0	0	95.0	94.0	2232	0	1804
3760.0	5.0	5.0	44	0	0	0	104.0	90.0	2231	0	1806
3770.0	10.0	5.0	46	0	0	0	91.0	95.0	2247	0	1813
3780.0	10.0	5.1	45	0	0	0	110.0	92.0	2247	0	1819
1533											
3800.0	20.0	5.2	34	0	0	0	91.0	92.5	2267	0	1825
3805.0	5.0	5.3	33	0	0	0	98.0	89.0	2220	0	1830
3815.0	10.0	5.4	27	0	0	0	87.0	91.0	2213	0	1833
3820.0	5.0	5.4	38	0	0	0	89.0	96.0	2213	0	1835
3830.0	10.0	5.5	36	0	0	0	69.0	67.0	2230	0	1841
3855.0	25.0	5.9	18	0	0	0	100.0	100.5	2302	0	1836
3860.0	5.0	6.2	12	0	0	0	95.0	95.0	2340	1	1837
3865.0	5.0	6.3	13	0	0	0	113.0	113.0	2313	0	1840
3875.0	10.0	6.7	32	0	0	0	87.0	92.0	2304	0	1845
3880.0	5.0	6.9	39	0	0	0	98.0	97.0	2229	0	1847
1546											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP	
3884.5	4.5	7.4	30	0	0	0	93.0	91.0	2234	0	1838	

						NEW BIT ID:	4					

3885.0	.0	.1	42	180	145	0	101.0	102.0	1626	0	1779	
3890.0	5.0	.2	44	180	137	0	119.7	97.7	1634	0	1781	
3900.0	10.0	.4	44	180	126	0	91.7	62.4	1696	0	1789	
3905.0	5.0	.5	37	180	148	0	71.7	71.4	1842	0	1797	
3910.0	5.0	.6	36	180	153	0	84.3	77.0	1864	0	1805	
3920.0	10.0	.7	38	180	147	0	82.3	74.1	2008	0	1810	
3930.0	10.0	.9	38	180	146	0	83.7	83.3	2017	0	1818	
3940.0	10.0	1.0	33	177	136	0	81.2	80.6	2013	0	1832	
3950.0	10.0	1.2	39	177	142	0	83.6	78.9	1982	0	1836	

						1578						
3955.0	5.0	1.3	33	181	153	0	84.0	84.3	1992	0	1836	
3960.0	5.0	1.5	37	185	151	0	81.2	80.6	2032	0	1838	
3980.0	20.0	1.6	40	185	148	0	81.4	80.9	2018	0	1850	
3985.0	5.0	1.9	28	183	156	0	85.5	85.1	1992	0	1898	
3990.0	5.0	2.1	28	183	157	0	81.3	79.6	2012	0	1912	
3995.0	5.0	2.1	27	183	150	0	84.7	82.1	2028	0	1917	
4000.0	5.0	2.2	33	183	152	0	72.8	97.8	2030	0	1913	
4005.0	5.0	2.3	38	183	146	0	83.4	83.3	2032	0	1915	
4010.0	5.0	2.4	31	183	154	0	84.8	80.2	2025	0	1920	
4015.0	5.0	2.5	30	183	154	0	82.2	82.2	2022	0	1926	

						1608						
4020.0	5.0	2.6	30	183	157	0	83.8	59.9	2032	0	1940	
4030.0	10.0	2.8	32	183	153	0	88.1	87.9	2071	0	1954	
4040.0	10.0	2.9	32	183	154	0	82.8	82.3	2035	0	1960	
4045.0	5.0	3.0	28	183	154	0	84.1	82.3	2026	0	1969	
4050.0	5.0	3.0	29	183	154	0	83.7	81.1	2025	0	1973	
4055.0	5.0	3.1	29	183	153	0	83.7	80.4	2033	0	1981	
4060.0	5.0	3.1	31	183	154	0	83.4	80.9	2030	0	1983	
4065.0	5.0	3.2	28	183	155	0	79.7	80.5	1959	0	1981	
4070.0	5.0	3.3	28	183	156	0	79.6	81.4	1967	0	1986	
4080.0	10.0	3.4	29	183	154	0	80.7	81.1	1963	0	1998	

						1646						
4090.0	10.0	3.5	30	184	155	0	73.2	74.0	1925	0	2006	
4100.0	10.0	3.6	33	184	154	0	79.2	83.2	1941	0	2008	
4105.0	5.0	3.6	32	184	151	0	88.3	89.6	2060	0	2009	
4110.0	5.0	3.7	32	184	151	0	68.4	98.0	2074	0	2012	
4115.0	5.0	3.7	33	184	152	0	79.3	86.9	2080	0	2016	
4120.0	5.0	3.8	33	184	153	0	81.9	82.4	2084	0	2021	
4135.0	15.0	4.0	34	184	152	0	77.4	79.6	2041	0	2029	
4140.0	5.0	4.1	36	184	150	0	89.0	74.9	2070	0	2037	
4150.0	10.0	4.2	34	184	152	0	82.3	81.1	2079	0	2041	
4160.0	10.0	4.3	35	184	152	0	76.1	88.4	2037	0	2052	

						1681						
4165.0	5.0	4.3	35	184	150	0	78.3	84.6	2045	0	2058	
4170.0	5.0	4.4	35	184	150	0	68.9	87.1	2054	0	2060	
4180.0	10.0	4.4	33	184	152	0	82.5	84.4	2106	0	2063	
4190.0	10.0	4.6	33	184	153	0	78.6	80.6	2029	0	2065	
4195.0	5.0	4.6	32	184	152	0	77.1	82.3	1965	0	2064	
4200.0	5.0	4.7	34	184	149	0	78.8	81.6	1962	0	2060	
4205.0	5.0	4.7	36	184	150	0	79.4	81.8	1978	0	2054	

DEPTH	STEP	CHRS	MOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
1710											
4210.0	5.0	4.8	38	184	148	0	80.4	81.8	1991	0	2053
4215.0	5.0	4.8	39	184	145	0	79.1	80.2	1998	0	2053
4220.0	5.0	4.9	39	184	146	0	80.8	81.9	2004	0	2056
4225.0	5.0	4.9	38	184	146	0	80.0	84.9	2001	0	2065
4230.0	5.0	5.0	38	184	148	0	81.2	81.6	2000	0	2075
4235.0	5.0	5.0	37	184	149	0	79.4	80.4	2001	0	2086
4240.0	5.0	5.1	37	184	148	0	79.7	82.5	1999	0	2094
4250.0	10.0	5.2	39	184	147	0	70.8	78.8	2056	0	2096
4255.0	5.0	5.3	37	184	148	0	76.4	83.3	2049	0	2101
4260.0	5.0	5.3	37	184	149	0	78.9	88.3	2060	0	2108
1745											
4265.0	5.0	5.4	37	184	148	0	82.0	86.4	2060	0	2113
4270.0	5.0	5.4	36	184	148	0	82.5	83.2	2054	0	2118
4275.0	5.0	5.5	38	184	146	0	76.2	80.9	2001	0	2105
4280.0	5.0	5.6	39	184	148	0	81.7	87.8	2022	0	2104
4285.0	5.0	5.6	38	184	145	0	80.0	86.1	2036	0	2102
4290.0	5.0	5.6	38	184	148	0	81.8	85.4	2053	0	2100
4295.0	5.0	5.7	37	184	148	0	81.1	86.0	2070	0	2095
4300.0	5.0	5.7	36	184	148	0	79.4	86.1	2070	0	2092
4310.0	10.0	5.8	37	184	148	0	78.9	87.2	2081	0	2094
4320.0	10.0	5.9	38	184	145	0	82.7	87.8	2034	0	2092
1787											
4330.0	10.0	6.0	37	184	149	0	76.3	84.0	2026	0	2082
4335.0	5.0	6.1	36	184	148	0	82.6	81.5	2031	0	2073
4340.0	5.0	6.1	37	184	147	0	82.1	83.9	2062	0	2064
4345.0	5.0	6.2	42	184	143	0	77.8	89.7	2079	0	2046
4350.0	5.0	6.2	39	184	147	0	78.2	82.6	1953	0	2050
4355.0	5.0	6.3	38	184	148	0	82.7	88.2	1960	0	2055
4360.0	5.0	6.4	37	184	149	0	81.4	82.9	2068	0	2061
4370.0	10.0	6.4	37	184	147	0	84.1	81.2	2079	0	2074
4380.0	10.0	6.5	36	184	142	0	85.0	80.7	2059	0	2085
4385.0	5.0	6.6	39	184	144	0	76.5	82.8	2054	0	2086
1823											
4390.0	5.0	6.7	38	184	143	0	82.7	84.5	2092	0	2090
4395.0	5.0	6.7	37	184	148	0	81.6	85.6	2098	0	2092
4400.0	5.0	6.8	37	184	149	0	80.7	86.3	2100	0	2097
4405.0	5.0	6.8	37	184	149	0	79.4	84.3	2108	0	2103
4410.0	5.0	6.9	39	184	145	0	74.1	85.9	2032	0	2107
4415.0	5.0	7.0	36	184	153	0	71.5	102.6	2062	0	2109
4420.0	5.0	7.0	35	184	150	0	75.5	89.8	2064	0	2111
4425.0	5.0	7.1	34	184	150	0	84.4	84.6	2065	0	2112
4430.0	5.0	7.1	33	184	151	0	82.1	82.3	2069	0	2113
4435.0	5.0	7.2	37	185	147	0	82.8	84.6	2178	0	2113
1852											
4440.0	5.0	7.3	36	185	148	0	90.3	94.9	2503	0	2114
4445.0	5.0	7.3	37	185	148	0	89.3	95.2	2502	0	2116
4450.0	5.0	7.4	39	185	148	0	90.2	94.8	2499	0	2118
4455.0	5.0	7.5	36	185	150	0	89.6	94.8	2496	0	2122
4460.0	5.0	7.5	37	185	147	0	89.6	94.0	2494	0	2126
4465.0	5.0	7.6	38	187	149	0	89.2	94.4	2488	0	2125
4470.0	5.0	7.6	34	197	164	0	68.5	87.5	1980	0	2117
4475.0	5.0	7.7	32	197	165	0	72.5	86.4	1978	0	2120
4480.0	5.0	7.7	40	197	157	0	72.5	85.6	1973	0	2125
4485.0	5.0	7.7	40	197	156	0	70.5	85.5	1969	0	2131
1892											

DEPTH	STEP	CHRS	MOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
1892											
4500.0	15.0	7.8	39	192	154	0	64.5	77.9	1837	0	2133
4505.0	5.0	8.0	37	187	151	0	81.7	95.8	2491	0	2133
4510.0	5.0	8.1	38	187	151	0	86.0	90.5	2468	0	2138
4515.0	5.0	8.1	37	187	149	0	92.2	90.6	2483	0	2144
4520.0	5.0	8.2	37	187	151	0	90.4	92.0	2513	0	2150
4525.0	5.0	8.2	39	187	148	0	100.2	87.5	2525	0	2158
4530.0	5.0	8.3	39	187	150	0	96.9	94.5	2527	0	2163
4540.0	10.0	8.4	39	187	148	0	85.7	87.9	2536	0	2166
4550.0	10.0	8.5	37	187	153	0	90.5	93.0	2548	0	2174
4560.0	10.0	8.6	38	187	148	0	88.9	89.1	2519	0	2183
1930											
4565.0	5.0	8.7	40	187	150	0	86.7	91.8	2473	0	2189
4570.0	5.0	8.7	39	187	146	0	90.2	90.4	2498	0	2193
4575.0	5.0	8.8	40	187	145	0	91.0	89.8	2505	0	2196
4580.0	5.0	8.8	40	187	149	0	94.2	88.5	2516	0	2198
4585.0	5.0	8.9	37	187	153	0	92.6	90.7	2523	0	2204
4590.0	5.0	9.0	43	187	142	0	121.6	48.4	1913	0	2161
4600.0	10.0	9.2	41	187	149	0	127.1	.0	1340	0	2155
4610.0	10.0	9.4	42	186	148	0	115.5	74.2	2806	0	2208
4615.0	5.0	9.5	44	186	148	0	101.4	107.9	2963	0	2218
4620.0	5.0	9.5	45	186	141	0	104.8	104.4	2946	0	2222
1955											
4630.0	10.0	9.6	46	186	144	0	82.8	90.6	2927	0	2216
4635.0	5.0	9.7	43	186	150	0	97.5	97.5	2923	0	2215
4640.0	5.0	9.8	42	186	148	0	91.5	91.8	2916	0	2214
4650.0	10.0	9.9	42	186	148	0	96.7	102.5	2913	0	2219
4660.0	10.0	10.0	44	186	144	0	84.9	121.1	2963	0	2218
4665.0	5.0	10.1	42	186	144	0	97.7	104.0	2955	0	2219
4670.0	5.0	10.1	43	186	146	0	97.8	103.9	2940	0	2219
4675.0	5.0	10.2	43	186	144	0	95.7	102.6	2937	0	2220
4680.0	5.0	10.2	43	186	146	0	99.1	102.6	2939	0	2223
4690.0	10.0	10.3	42	186	146	0	92.5	95.6	2931	0	2221
1990											
4700.0	10.0	10.4	41	186	148	0	98.7	86.9	2951	0	2222
4715.0	15.0	10.5	36	186	151	0	93.2	91.5	2950	0	2228
4720.0	5.0	10.6	38	186	149	0	103.3	100.5	2943	0	2198
4730.0	10.0	10.8	36	186	152	0	78.8	94.9	2034	0	2191
4740.0	10.0	10.9	38	186	146	0	79.5	105.8	2279	0	2204
4750.0	10.0	11.0	38	186	149	0	87.9	105.4	2524	0	2261
4760.0	10.0	11.1	39	186	150	0	88.2	88.2	2457	0	2299
4765.0	5.0	11.2	40	186	151	0	92.7	92.7	2425	0	2315
4770.0	5.0	11.2	36	186	152	0	88.4	89.8	2430	0	2323
4775.0	5.0	11.3	37	186	151	0	88.3	90.6	2433	0	2332
2023											
4780.0	5.0	11.3	38	186	149	0	91.7	71.9	2157	0	2339
4785.0	5.0	11.4	38	186	148	0	101.7	.0	1007	0	2341
4790.0	5.0	11.4	37	186	147	0	89.2	26.8	1497	0	2345
4800.0	10.0	11.5	39	186	150	0	84.8	88.7	2410	0	2349
4810.0	10.0	11.6	38	186	153	0	67.3	69.8	2490	0	2351
4815.0	5.0	11.7	41	186	148	0	85.5	85.7	2515	0	2355
4820.0	5.0	11.7	38	186	154	0	85.9	85.8	2516	0	2356
4830.0	10.0	11.8	37	186	150	0	91.0	91.0	2514	0	2353
4840.0	10.0	11.9	37	186	151	0	91.2	79.5	2519	0	2350
4845.0	5.0	11.9	36	186	148	0	84.1	83.8	2503	0	2340
2052											

DEPTH	STEP	CHRS	MOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
2052											
4850.0	5.0	12.0	32	186	156	0	92.9	91.5	2496	0	2338
4855.0	5.0	12.1	32	186	156	0	89.7	89.4	2501	0	2337
4865.0	10.0	12.2	33	186	156	0	89.3	87.2	2514	0	2340
4870.0	5.0	12.2	33	186	155	0	86.6	86.6	2517	0	2344
4900.0	30.0	12.4	37	63	52	0	86.2	86.6	2488	0	2364
4905.0	5.0	12.6	36	0	0	0	89.0	90.0	2499	0	2377
4910.0	5.0	12.7	37	0	0	0	89.0	90.0	2499	0	2382
4915.0	5.0	12.7	37	0	0	0	79.0	91.0	2493	0	2383
4920.0	5.0	12.8	38	0	0	0	79.0	91.0	2493	0	2384
4925.0	5.0	12.8	38	0	0	0	89.0	90.0	2521	0	2385
2074											
4930.0	5.0	12.9	37	0	0	0	89.0	90.0	2521	0	2390
4935.0	5.0	13.0	40	0	0	0	89.0	90.0	2521	0	2393
4940.0	5.0	13.1	40	0	0	0	89.0	90.0	2521	0	2394
4945.0	5.0	13.1	40	0	0	0	89.0	90.0	2521	0	2397
4950.0	5.0	13.2	41	0	0	0	90.0	90.0	2450	0	2403
4960.0	10.0	13.3	42	0	0	0	90.0	90.0	2450	0	2415
4970.0	10.0	13.3	39	0	0	0	90.0	90.0	2450	0	2423
4980.0	10.0	13.5	38	0	0	0	90.0	90.0	2450	0	2431
4990.0	10.0	13.5	38	0	0	0	90.0	90.0	2450	0	2438
5000.0	10.0	13.7	38	0	0	0	90.0	90.0	2450	0	2443
2084											
5010.0	10.0	13.8	39	0	0	0	90.0	86.0	2407	0	2449
5020.0	10.0	13.8	39	0	0	0	90.0	86.0	2407	0	2455
5030.0	10.0	14.0	38	0	0	0	90.0	86.0	2407	0	2462
5040.0	10.0	14.0	42	0	0	0	90.0	86.0	2407	0	2470
5050.0	10.0	14.1	43	0	0	0	90.0	86.0	2407	0	2478
5060.0	10.0	14.3	40	0	0	0	90.0	86.0	2407	0	2484
5070.0	10.0	14.3	44	0	0	0	92.0	83.0	2469	0	2489
5080.0	10.0	14.4	44	0	0	0	92.0	83.0	2469	0	2494
5090.0	10.0	14.5	42	0	0	0	92.0	83.0	2469	0	2498
5100.0	10.0	14.6	44	0	0	0	92.0	83.0	2469	0	2500
2094											
5105.0	5.0	14.7	44	0	0	0	92.0	83.0	2469	0	2500
5110.0	5.0	14.7	40	0	0	0	92.0	83.0	2469	0	2500
5120.0	10.0	14.9	42	0	0	0	92.0	84.0	2469	0	2501
5130.0	10.0	15.0	42	0	0	0	92.0	84.0	2469	0	2502
5140.0	10.0	15.1	42	0	0	0	92.0	84.0	2469	0	2507
5150.0	10.0	15.2	43	0	0	0	92.0	84.0	2469	0	2512
5160.0	10.0	15.3	43	0	0	0	92.0	84.0	2469	0	2517
5170.0	10.0	15.4	42	0	0	0	92.0	84.0	2469	0	2524
5180.0	10.0	15.5	42	0	0	0	92.0	84.0	2469	0	2529
5190.0	10.0	15.6	42	0	0	0	92.0	84.0	2469	0	2535
2104											
5200.0	10.0	15.7	36	0	0	0	88.0	84.0	2469	0	2541
5205.0	5.0	15.7	36	0	0	0	88.0	84.0	2469	0	2543
5210.0	5.0	15.8	38	0	0	0	88.0	84.0	2469	0	2547
5220.0	10.0	15.9	40	0	0	0	88.0	84.0	2469	0	2554
5230.0	10.0	15.9	41	0	0	0	88.0	84.0	2469	0	2558
5240.0	10.0	16.0	40	0	0	0	88.0	84.0	2469	0	2564
5250.0	10.0	16.1	41	0	0	0	92.0	80.0	2469	0	2569
5260.0	10.0	16.2	42	0	0	0	92.0	80.0	2469	0	2574
5270.0	10.0	16.2	41	0	0	0	92.0	80.0	2469	0	2579
5280.0	10.0	16.3	41	0	0	0	94.0	80.0	2370	0	2582
2114											

DEPTH	STEP	CHRS	MOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
2114											
5290.0	10.0	16.4	38	0	0	0	94.0	80.0	2370	0	2587
5300.0	10.0	16.5	38	0	0	0	94.0	80.0	2370	0	2591
5301.0	1.0	16.5	38	0	0	0	94.0	80.0	2370	0	2592

NEW BIT ID: 5

5305.0	.0	.0	47	192	142	0	83.8	88.4	2586	0	2503
5310.0	5.0	.0	40	212	158	0	86.6	89.6	2556	0	2508
5315.0	5.0	.1	43	200	157	0	86.3	88.7	2496	0	2514
5320.0	5.0	.1	40	200	160	0	80.8	86.2	2392	0	2519
5325.0	5.0	.1	42	200	158	0	80.5	86.3	2391	0	2524
5330.0	5.0	.2	43	200	157	0	80.5	86.3	2396	0	2529
5335.0	5.0	.2	44	200	156	0	80.6	87.3	2392	0	2534
2128											
5340.0	5.0	.2	44	200	156	0	80.7	84.7	2393	0	2539
5345.0	5.0	.4	44	200	156	0	81.9	87.3	2443	0	2548
5350.0	5.0	.5	42	200	158	0	79.9	85.8	2394	0	2553
5355.0	5.0	.5	43	200	157	0	80.4	86.3	2376	0	2559
5370.0	15.0	.6	40	200	160	0	84.7	85.9	2475	0	2570
5380.0	10.0	.7	42	200	158	0	85.8	85.6	2513	0	2581
5385.0	5.0	.8	43	200	157	0	85.5	88.3	2518	0	2602
5390.0	5.0	.8	42	200	158	0	81.5	89.6	2486	0	2625
5400.0	10.0	.8	41	200	159	0	84.9	86.5	2483	0	2636
5410.0	10.0	.9	41	200	158	0	86.2	85.9	2489	0	2645
2148											
5415.0	5.0	1.0	41	200	159	0	86.6	85.1	2504	0	2651
5420.0	5.0	1.0	42	200	158	0	84.5	90.4	2545	0	2659
5430.0	10.0	1.1	40	200	160	0	85.3	85.2	2462	0	2665
5435.0	5.0	1.1	40	200	160	0	85.5	83.8	2449	0	2671
5440.0	5.0	1.2	40	200	160	0	86.4	83.7	2445	0	2676
5445.0	5.0	1.2	42	202	160	0	87.1	85.7	2508	0	2675
5450.0	5.0	1.2	41	202	161	0	87.6	85.5	2497	0	2680
5455.0	5.0	1.3	39	202	163	0	88.4	86.0	2498	0	2685
5460.0	5.0	1.3	38	202	164	0	89.0	86.2	2503	0	2690
5465.0	5.0	1.3	38	202	164	0	88.4	86.1	2495	0	2695
2163											
5470.0	5.0	1.4	38	202	164	0	88.4	85.9	2495	0	2698
5480.0	10.0	1.4	38	192	164	0	89.8	84.7	2489	0	2705
5490.0	10.0	1.5	37	202	165	0	89.6	83.6	2486	0	2717
5495.0	5.0	1.6	37	202	165	0	90.1	84.1	2484	0	2725
5500.0	5.0	1.6	36	202	166	0	89.6	83.7	2479	0	2732
5505.0	5.0	1.7	37	202	165	0	89.9	83.7	2477	0	2737
5510.0	5.0	1.7	33	203	163	0	90.0	84.4	2482	0	2704
5515.0	5.0	1.8	38	203	165	0	87.4	83.9	2471	0	2706
5520.0	5.0	1.8	37	203	166	0	87.5	84.2	2471	0	2702
5525.0	5.0	1.8	38	203	165	0	87.0	83.2	2471	0	2704
2188											
5530.0	5.0	1.9	39	204	164	0	88.1	85.6	2499	0	2673
5535.0	5.0	1.9	41	204	163	0	87.1	86.7	2523	0	2676
5540.0	5.0	2.0	38	204	166	0	87.6	85.8	2517	0	2677
5545.0	5.0	2.0	39	204	165	0	87.7	85.0	2514	0	2682
5550.0	5.0	2.0	40	204	164	0	86.5	86.1	2503	0	2676
5560.0	10.0	2.1	38	204	166	0	87.8	85.5	2503	0	2682
5565.0	5.0	2.1	38	204	166	0	87.4	85.0	2494	0	2689

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
2200											
5580.0	15.0	2.2	34	204	170	0	70.9	70.7	1839	0	2697
5585.0	5.0	2.3	29	204	175	0	59.9	62.3	1488	0	2707
5590.0	5.0	2.4	29	204	175	0	60.6	60.0	1484	0	2716
5600.0	10.0	2.5	30	204	174	0	59.5	62.0	1474	0	2723
5610.0	10.0	2.6	30	204	174	0	56.4	59.8	1484	0	2711
5615.0	5.0	2.7	29	204	175	0	62.1	59.5	1498	0	2721
5620.0	5.0	2.8	28	204	176	0	63.6	59.0	1507	0	2724
5625.0	5.0	2.8	29	204	175	0	57.7	60.3	1518	0	2725
5630.0	5.0	2.9	29	204	175	0	64.9	59.7	1520	0	2728
5640.0	10.0	3.0	30	204	174	0	62.5	58.6	1509	0	2749
2226											
5650.0	10.0	3.1	30	204	174	0	66.5	62.3	1737	0	2766
5655.0	5.0	3.2	37	204	167	0	91.5	77.8	2489	0	2775
5660.0	5.0	3.2	39	204	165	0	92.1	76.9	2507	0	2780
5670.0	10.0	3.3	42	204	161	0	88.5	80.3	2527	0	2792
5675.0	5.0	3.4	43	204	161	0	85.9	82.3	2542	0	2801
5680.0	5.0	3.4	41	204	163	0	84.6	82.8	2547	0	2807
5685.0	5.0	3.5	41	204	163	0	83.1	83.3	2481	0	2811
5690.0	5.0	3.5	42	204	162	0	81.1	83.7	2465	0	2812
5695.0	5.0	3.5	39	190	163	0	82.5	81.7	2413	0	2816
5710.0	15.0	3.7	43	205	162	0	88.1	74.0	2339	0	2824
2258											
5720.0	10.0	3.8	42	205	163	0	87.3	73.5	2343	0	2831
5725.0	5.0	3.9	42	205	163	0	87.4	77.7	2399	0	2828
5730.0	5.0	4.0	44	205	161	0	86.5	80.9	2496	0	2826
5740.0	10.0	4.0	43	205	162	0	85.7	84.5	2521	0	2831
5745.0	5.0	4.1	42	205	163	0	86.7	83.9	2535	0	2837
5750.0	5.0	4.1	41	205	164	0	86.1	83.6	2533	0	2839
5760.0	10.0	4.2	42	205	163	0	86.4	85.0	2551	0	2842
5770.0	10.0	4.4	44	205	162	0	89.3	78.2	2482	0	2840
5775.0	5.0	4.4	42	205	163	0	89.9	78.0	2482	0	2841
5780.0	5.0	4.5	42	205	163	0	86.6	82.8	2518	0	2843
2289											
5785.0	5.0	4.6	41	205	164	0	83.8	82.4	2525	0	2847
5790.0	5.0	4.6	44	205	161	0	82.4	82.9	2451	0	2844
5795.0	5.0	4.7	44	205	161	0	80.5	84.3	2430	0	2847
5800.0	5.0	4.8	43	205	162	0	83.2	84.7	2490	0	2852
5805.0	5.0	4.8	44	205	161	0	83.8	84.7	2527	0	2856
5810.0	5.0	4.9	43	205	162	0	84.2	84.5	2543	0	2859
5815.0	5.0	5.0	37	205	168	0	84.8	84.2	2533	0	2861
5820.0	5.0	5.0	36	205	169	0	84.5	84.0	2538	0	2859
5825.0	5.0	5.1	33	205	172	0	84.3	83.6	2518	0	2861
5830.0	5.0	5.2	32	205	173	0	84.5	83.1	2534	0	2863
2316											
5835.0	5.0	5.2	32	205	173	0	83.3	83.3	2538	0	2865
5840.0	5.0	5.3	32	205	173	0	82.2	83.7	2530	0	2870
5845.0	5.0	5.4	33	205	172	0	83.4	83.1	2521	0	2875
5850.0	5.0	5.5	33	205	172	0	84.0	82.2	2510	0	2884
5860.0	10.0	5.6	34	207	172	0	80.9	85.2	2501	0	2906
5870.0	10.0	5.7	34	208	174	0	76.5	86.0	2485	0	2932
5875.0	5.0	5.8	37	210	173	0	79.4	86.2	2498	0	2947
5880.0	5.0	5.9	37	211	174	0	83.8	82.5	2520	0	2980
5885.0	5.0	5.9	39	211	172	0	89.7	78.6	2533	0	3003
5890.0	5.0	6.0	38	211	173	0	90.5	79.3	2565	0	3008
2348											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
2348											
5895.0	5.0	6.0	37	211	174	0	90.8	79.4	2573	0	3016
5900.0	5.0	6.1	34	211	177	0	90.9	79.7	2577	0	3025
5905.0	5.0	6.1	37	211	174	0	90.6	79.3	2589	0	3034
5910.0	5.0	6.2	37	211	174	0	91.0	79.5	2590	0	3041
5920.0	10.0	6.3	38	212	174	0	84.3	80.7	2523	0	3057
5925.0	5.0	6.4	39	212	173	0	82.7	83.0	2693	0	3063
5930.0	5.0	6.5	38	212	174	0	82.2	85.4	2867	0	3068
5940.0	10.0	6.6	37	212	175	0	78.6	85.5	2825	0	3074
5945.0	5.0	6.8	38	213	175	0	78.5	81.3	2601	0	3085
5950.0	5.0	6.8	38	213	175	0	85.3	85.0	2643	0	3093
2389											
5960.0	10.0	6.9	46	210	165	0	85.2	86.0	2615	0	3165
5965.0	5.0	7.0	49	205	156	0	83.4	86.0	2610	0	3238
5990.0	25.0	7.2	40	205	165	0	84.8	85.3	2580	0	3226
5995.0	5.0	7.4	38	205	167	0	84.7	84.9	2592	0	3217
6000.0	5.0	7.5	35	205	170	0	84.6	84.3	2603	0	3212
6015.0	15.0	7.7	29	205	176	0	85.2	85.9	2618	0	3198
6020.0	5.0	7.9	26	205	179	0	84.3	84.2	2596	0	3196
6025.0	5.0	8.0	25	205	180	0	84.1	84.4	2602	0	3196
6030.0	5.0	8.0	27	205	178	0	85.0	84.8	2601	0	3201
6035.0	5.0	8.1	26	205	179	0	84.4	84.9	2608	0	3204
2421											
6050.0	15.0	8.3	24	206	181	0	84.5	85.1	2646	0	3212
6060.0	10.0	8.6	22	206	184	0	84.0	86.3	2677	0	3217
6065.0	5.0	8.7	19	206	187	0	82.2	85.2	2669	0	3220
6070.0	5.0	8.9	15	206	191	0	82.6	84.7	2674	0	3228
6075.0	5.0	9.0	18	214	194	0	85.8	82.1	2573	0	3238
6080.0	5.0	9.3	18	214	196	0	84.7	82.0	2553	0	3245
6085.0	5.0	9.4	17	214	197	0	83.1	84.2	2605	0	3249
6090.0	5.0	9.7	18	214	196	0	82.0	85.7	2622	0	3251
6095.0	5.0	9.8	18	215	197	0	86.2	85.4	2667	0	3252
6100.0	5.0	10.0	13	215	202	0	85.3	85.1	2680	0	3257
2445											
6105.0	5.0	10.2	18	215	197	0	86.2	85.3	2672	0	3258
6120.0	15.0	10.5	26	215	189	0	85.6	86.2	2669	0	3264
6130.0	10.0	10.8	23	215	192	0	85.9	86.4	2672	0	3272
6135.0	5.0	11.0	26	215	189	0	86.0	87.1	2699	0	3280
6140.0	5.0	11.1	24	215	191	0	86.8	87.5	2736	0	3283
6145.0	5.0	11.3	23	215	192	0	87.1	88.2	2746	0	3286
6150.0	5.0	11.4	24	215	192	0	86.9	88.0	2744	0	3289
6160.0	10.0	11.6	25	218	193	0	86.8	88.1	2741	0	3294
6165.0	5.0	11.8	31	223	191	0	86.7	87.5	2737	0	3294
6170.0	5.0	11.9	26	218	192	0	87.0	87.4	2744	0	3288
2490											
6180.0	10.0	12.1	26	218	192	0	87.5	85.9	2723	0	3285
6185.0	5.0	12.3	24	218	194	0	87.9	85.8	2725	0	3286
6190.0	5.0	12.4	29	220	193	0	88.1	85.7	2723	0	3291
6195.0	5.0	12.5	26	220	194	0	87.8	85.8	2723	0	3297
6200.0	5.0	12.7	33	220	187	0	87.4	83.8	2739	0	3305
6205.0	5.0	12.8	32	220	188	0	88.0	83.3	2731	0	3308
6210.0	5.0	13.0	30	220	190	0	88.2	83.4	2752	0	3309
6215.0	5.0	13.1	31	220	189	0	89.2	84.4	2753	0	3311
6220.0	5.0	13.2	30	220	190	0	89.4	83.9	2752	0	3313
6230.0	10.0	13.3	30	220	190	0	88.0	84.4	2729	0	3319
2528											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
2528											
6235.0	5.0	13.5	34	220	186	0	87.7	86.2	2751	0	3324
6240.0	5.0	13.6	39	220	181	0	87.6	86.5	2739	0	3328
6245.0	5.0	13.7	40	220	180	0	88.1	86.4	2742	0	3330
6250.0	5.0	13.8	39	220	181	0	88.0	86.5	2743	0	3332
6255.0	5.0	14.0	41	220	179	0	88.2	86.4	2743	0	3335
6260.0	5.0	14.0	51	232	177	0	88.7	84.0	2724	0	3336
6265.0	5.0	14.1	43	220	179	0	86.2	88.5	2767	0	3336
6270.0	5.0	14.2	40	220	180	0	86.0	88.6	2765	0	3338
6275.0	5.0	14.3	39	220	181	0	86.7	88.9	2764	0	3343
6280.0	5.0	14.4	40	221	181	0	87.0	89.4	2778	0	3349
2568											
6285.0	5.0	14.5	40	221	181	0	86.3	88.5	2779	0	3354
6290.0	5.0	14.6	40	221	181	0	86.5	88.6	2787	0	3355
6300.0	10.0	14.8	46	221	175	0	82.6	88.7	2711	0	3360
6305.0	5.0	14.9	48	221	173	0	85.4	86.4	2731	0	3364
6310.0	5.0	15.0	46	221	175	0	86.3	86.6	2729	0	3368
6315.0	5.0	15.1	46	221	175	0	86.1	86.7	2728	0	3372
6320.0	5.0	15.3	45	221	176	0	86.2	87.2	2736	0	3373
6325.0	5.0	15.4	47	221	174	0	84.4	85.9	2682	0	3370
6330.0	5.0	15.5	46	221	175	0	85.2	85.8	2674	0	3370
6335.0	5.0	15.6	45	221	176	0	86.1	85.7	2706	0	3371
2606											
6340.0	5.0	15.7	47	221	174	0	86.6	85.4	2718	0	3375
6345.0	5.0	15.8	46	221	175	0	86.5	85.5	2708	0	3379
6350.0	5.0	15.9	46	221	175	0	86.0	86.3	2703	0	3385
6355.0	5.0	16.0	47	222	174	0	86.4	86.0	2727	0	3389
6360.0	5.0	16.1	47	222	175	0	51.5	99.3	1737	0	3390
6365.0	5.0	16.2	41	222	181	0	.0	105.5	1275	0	3392
6370.0	5.0	16.3	41	222	181	0	.0	106.0	1285	0	3392
6375.0	5.0	16.4	41	222	181	0	.0	105.8	1280	0	3394
6380.0	5.0	16.6	41	222	181	0	.0	106.3	1285	0	3397
6390.0	10.0	.2	69	222	153	0	.0	104.1	1444	0	3331
2646											
6395.0	5.0	.3	39	209	171	0	.0	110.7	1466	0	3334
6400.0	5.0	.5	38	209	171	0	.0	110.6	1458	0	3340
6405.0	5.0	.6	38	209	171	0	.0	110.8	1448	0	3347
6410.0	5.0	.8	38	209	171	0	.0	110.8	1432	0	3355
6415.0	5.0	.9	39	209	170	0	.0	110.6	1422	0	3362
6420.0	5.0	1.0	40	209	169	0	.0	111.2	1478	0	3366
6425.0	5.0	1.2	39	209	170	0	.0	124.1	1694	0	3369
6430.0	5.0	1.3	40	209	169	0	.0	124.0	1682	0	3373
6440.0	10.0	1.5	40	209	169	0	.0	123.9	1673	0	3374
6455.0	15.0	1.8	40	209	169	0	.0	123.7	1639	0	3394
2687											
6460.0	5.0	2.1	38	209	171	0	.0	125.2	1644	0	3410
6465.0	5.0	2.3	38	209	171	0	.0	125.6	1663	0	3420
6470.0	5.0	2.4	38	209	171	0	.0	124.5	1680	0	3418
6485.0	15.0	2.7	40	210	170	0	.1	125.5	1701	0	3386
6490.0	5.0	3.0	41	213	172	0	.0	126.2	1703	0	3381
6495.0	5.0	3.2	40	213	173	0	.0	126.5	1692	0	3394
6500.0	5.0	3.3	38	213	175	0	.0	127.1	1679	0	3408
6505.0	5.0	3.5	38	213	175	0	.0	126.7	1672	0	3425
6510.0	5.0	3.6	44	218	173	0	.0	124.9	1660	0	3441
6515.0	5.0	3.7	45	219	174	0	.0	122.2	1623	0	3428
2726											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2726											
6520.0	5.0	3.8	43	219	176	0	.0	123.3	1644	0	3433
6530.0	10.0	4.0	41	219	177	0	.0	125.7	1688	0	3440
6535.0	5.0	4.2	40	219	179	0	.0	126.1	1695	0	3446
6540.0	5.0	4.5	38	219	181	0	.0	125.9	1684	0	3446
6550.0	10.0	4.7	28	224	195	0	.0	125.4	1657	0	3447
6555.0	5.0	4.9	43	222	180	0	.0	123.7	1630	0	3454
6560.0	5.0	5.2	40	222	182	0	49.8	100.9	2317	0	3459
6565.0	5.0	5.4	40	222	182	0	82.8	85.5	2686	0	3467
6570.0	5.0	5.6	37	222	185	0	82.3	85.7	2683	0	3483
6580.0	10.0	5.8	39	222	183	0	82.8	87.6	2735	0	3504
2767											
6585.0	5.0	6.0	39	222	183	0	79.1	90.0	2717	0	3505
6590.0	5.0	6.1	40	222	182	0	79.3	89.9	2728	0	3507
6600.0	10.0	6.2	39	222	183	0	84.4	87.3	2746	0	3518
6605.0	5.0	6.3	40	222	182	0	85.0	85.4	2685	0	3523
6610.0	5.0	6.5	42	223	181	0	83.3	89.9	2762	0	3516
6615.0	5.0	6.6	40	223	183	0	86.5	82.1	2661	0	3511
6620.0	5.0	6.7	40	223	183	0	86.1	84.6	2717	0	3514
6630.0	10.0	6.8	39	223	184	0	85.3	84.6	2714	0	3515
6635.0	5.0	6.9	40	224	183	0	82.3	87.0	2690	0	3514
6640.0	5.0	6.9	37	224	187	0	78.4	89.3	2656	0	3518
2810											
6645.0	5.0	7.1	37	224	187	0	78.1	89.1	2634	0	3528
6650.0	5.0	7.1	37	224	187	0	80.2	89.0	2681	0	3535
6655.0	5.0	7.2	38	224	186	0	80.8	88.4	2716	0	3541
6660.0	5.0	7.2	34	126	190	0	81.1	89.0	2705	0	3548
6670.0	10.0	7.3	38	223	179	0	80.4	82.2	2611	0	3557
6675.0	5.0	7.3	37	223	186	0	85.1	85.1	2728	0	3552
6680.0	5.0	7.4	38	223	185	0	85.0	85.5	2722	0	3557
6685.0	5.0	7.5	37	223	186	0	84.6	85.6	2726	0	3561
6690.0	5.0	7.5	35	223	188	0	85.4	85.5	2731	0	3566
6700.0	10.0	7.6	36	224	187	0	84.9	85.4	2724	0	3570
2837											
6710.0	10.0	7.6	35	224	189	0	86.3	87.7	2829	0	3539
6715.0	5.0	7.7	31	224	193	0	71.0	76.8	2112	0	3542
6720.0	5.0	7.7	30	224	194	0	66.3	74.6	2025	0	3546
6730.0	10.0	7.8	41	242	195	0	66.2	71.9	1942	0	3547
6735.0	5.0	7.9	31	225	194	0	65.9	64.6	1804	0	3546
6740.0	5.0	7.9	32	225	193	0	65.8	64.8	1802	0	3550
6745.0	5.0	7.9	36	225	189	0	65.9	64.4	1810	0	3551
6750.0	5.0	8.0	38	225	187	0	65.8	64.1	1817	0	3553
6755.0	5.0	8.1	37	225	188	0	66.0	63.8	1818	0	3555
6760.0	5.0	8.1	33	226	193	0	66.4	67.0	1894	0	3549
2862											
6765.0	5.0	8.2	22	227	209	0	65.1	71.8	1969	0	3544
6770.0	5.0	8.2	19	228	209	0	69.2	71.5	2026	0	3538
6775.0	5.0	8.2	18	254	232	0	55.4	61.1	1498	0	3536
6780.0	5.0	8.4	11	238	227	0	49.8	58.3	1347	0	3544
6785.0	5.0	8.5	21	261	235	0	50.6	52.6	1311	0	3135
6795.0	10.0	8.6	28	264	237	0	52.0	52.8	1332	0	3223
6800.0	5.0	8.8	30	265	236	0	52.1	52.2	1329	0	3288
6805.0	5.0	8.9	34	265	231	0	52.5	53.3	1334	0	3356
6810.0	5.0	9.1	31	265	234	0	52.6	53.0	1320	0	3436
6815.0	5.0	9.2	54	265	211	0	52.3	53.0	1315	0	3484
2906											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWDV	SPM1	SPM2	PMPR	PCSG	HSP
2906											
6820.0	5.0	9.3	47	245	200	0	52.6	53.0	1321	0	3499
6825.0	5.0	9.3	38	238	200	0	53.1	53.0	1333	0	3525
6830.0	5.0	9.4	40	238	199	0	52.0	53.0	1307	0	3582
6840.0	10.0	9.5	33	238	205	0	51.0	53.0	1312	0	3636
6845.0	5.0	9.6	36	243	206	0	51.5	53.0	1320	0	3660
6850.0	5.0	9.7	36	244	208	0	51.1	53.0	1324	0	3656
6855.0	5.0	9.8	37	244	207	0	51.0	53.0	1361	0	3642
6860.0	5.0	10.0	44	252	208	0	55.4	53.0	1520	0	3606
6865.0	5.0	10.2	37	246	209	0	56.3	53.7	1529	0	3598
6870.0	5.0	10.3	37	246	209	0	56.8	58.8	1542	0	3588
2950											
6875.0	5.0	10.5	42	246	203	0	57.2	58.1	1531	0	3584
6880.0	5.0	10.6	44	245	201	0	56.9	58.0	1499	0	3585
6885.0	5.0	10.7	47	245	198	0	56.8	58.1	1487	0	3602
6890.0	5.0	10.9	46	244	198	0	58.4	58.5	1516	0	3635
6895.0	5.0	10.9	46	244	198	0	55.6	58.8	1486	0	3654
6900.0	5.0	11.0	46	244	198	0	52.5	54.1	1337	0	3667
6905.0	5.0	11.1	45	244	199	0	51.9	53.5	1339	0	3694
6910.0	5.0	11.2	50	243	194	0	51.1	53.4	1348	0	3719
6920.0	10.0	11.3	50	243	190	0	52.4	54.5	1360	0	3755
6930.0	10.0	11.5	44	235	190	0	65.5	45.3	1225	0	3726
2992											
6940.0	10.0	11.9	41	234	193	0	89.6	.5	1072	0	3699
6950.0	10.0	12.2	40	236	195	0	87.4	9.0	1011	0	3675
6955.0	5.0	.0	15	244	229	0	67.2	85.7	2850	0	3578
6960.0	5.0	.1	16	244	228	0	67.8	84.8	2850	0	3583
6965.0	5.0	.2	15	247	232	0	73.6	84.4	2869	0	3587
6970.0	5.0	.2	24	258	234	0	76.6	83.2	2885	0	3592
6975.0	5.0	.3	24	258	234	0	52.3	43.1	2904	0	3597
6980.0	5.0	.3	24	258	234	0	40.7	30.8	2915	0	3602
6985.0	5.0	.5	23	265	235	0	41.2	27.5	2744	0	3609
6990.0	5.0	.5	30	265	235	0	77.4	79.9	2884	0	3612
3035											
6995.0	5.0	.6	28	265	236	0	75.3	78.5	2763	0	3616
7000.0	5.0	.7	31	265	234	0	75.1	77.3	2807	0	3620
7005.0	5.0	.7	31	265	234	0	75.3	78.8	2807	0	3628
7010.0	5.0	.8	32	259	234	0	75.9	79.0	2787	0	3635
7015.0	5.0	.9	26	269	241	0	75.1	80.3	2710	0	3642
7020.0	5.0	.9	29	269	240	0	74.4	80.2	2710	0	3650
7030.0	10.0	1.0	27	269	242	0	76.6	77.5	2709	0	3667
7035.0	5.0	1.1	28	269	241	0	77.3	76.5	2707	0	3680
7040.0	5.0	1.3	29	269	240	0	77.0	76.2	2706	0	3689
7050.0	10.0	1.6	28	267	239	0	79.8	77.0	2702	0	3667
3066											
7055.0	5.0	1.8	25	265	240	0	82.4	77.3	2698	0	3635
7060.0	5.0	2.0	22	265	243	0	82.4	79.1	2698	0	3647
7065.0	5.0	2.1	22	265	243	0	81.4	79.2	2698	0	3658
7070.0	5.0	2.2	24	265	241	0	80.5	77.9	2702	0	3670
7080.0	10.0	2.2	32	272	238	0	79.0	77.2	2703	0	3687
7085.0	5.0	2.3	32	272	239	0	79.4	74.2	2703	0	3696
7090.0	5.0	2.4	30	272	242	0	79.1	74.8	2709	0	3707
7095.0	5.0	2.5	31	272	241	0	78.5	74.2	2710	0	3721
7100.0	5.0	2.6	33	272	239	0	79.1	74.2	2710	0	3733
7105.0	5.0	2.7	33	272	239	0	79.3	74.3	2709	0	3748
3101											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BMOV	SPM1	SPM2	PMPR	PCSG	HSP
3101											
7110.0	5.0	2.7	31	269	238	0	76.7	75.2	2710	0	3785
7115.0	5.0	2.8	29	268	239	0	76.4	75.3	2710	0	3784
7120.0	5.0	2.9	30	268	238	0	76.4	76.1	2710	0	3815
7125.0	5.0	3.0	26	268	242	0	78.1	77.8	2709	0	3809
7130.0	5.0	3.0	26	268	242	0	78.5	78.4	2709	0	3807
7140.0	10.0	3.1	28	267	240	0	78.7	78.4	2710	0	3842
7145.0	5.0	3.1	27	265	238	0	78.8	73.7	2709	0	3845
7150.0	5.0	3.2	28	265	237	0	78.0	86.8	2710	0	3842
7155.0	5.0	3.5	29	265	236	0	.0	116.3	1884	0	3849
7160.0	5.0	3.7	28	265	237	0	.0	115.3	1884	0	3832
3137											
7165.0	5.0	4.1	27	265	238	0	.0	116.1	1884	0	3803
7170.0	5.0	4.2	28	265	237	0	.0	116.9	1884	0	3800
7175.0	5.0	4.3	27	268	241	0	55.5	82.0	2436	0	3798
7180.0	5.0	4.5	26	269	243	0	74.8	70.4	2623	0	3801
7185.0	5.0	4.6	27	269	242	0	74.7	71.5	2624	0	3809
7190.0	5.0	4.7	25	269	244	0	74.2	73.3	2617	0	3818
7195.0	5.0	4.9	27	269	242	0	74.0	73.1	2623	0	3824
7210.0	15.0	5.2	34	262	233	0	73.2	73.8	2671	0	3819
7215.0	5.0	5.5	30	265	235	0	73.7	74.0	2721	0	3814
7220.0	5.0	5.6	30	265	235	0	74.0	74.4	2721	0	3817
3182											
7230.0	10.0	5.8	30	265	235	0	76.6	71.9	2630	0	3826
7235.0	5.0	5.8	27	264	236	0	75.4	71.2	2519	0	3834
7240.0	5.0	5.9	27	264	237	0	75.2	69.8	2497	0	3838
7245.0	5.0	6.0	27	265	237	0	75.9	69.2	2496	0	3845
7250.0	5.0	6.1	28	266	238	0	75.9	69.0	2502	0	3850
7255.0	5.0	6.2	29	266	237	0	75.7	68.5	2499	0	3857
7260.0	5.0	6.3	28	266	238	0	75.2	69.5	2495	0	3865
7265.0	5.0	6.4	31	265	234	0	73.2	71.1	2489	0	3887
7270.0	5.0	6.6	32	265	233	0	72.2	72.5	2478	0	3892
7275.0	5.0	6.8	30	265	235	0	72.7	72.4	2500	0	3896
3207											
7280.0	5.0	6.9	31	265	234	0	72.6	72.7	2504	0	3898
7285.0	5.0	7.1	31	268	236	0	72.8	73.3	2519	0	3892
7290.0	5.0	7.5	37	269	232	0	73.2	73.2	2517	0	3857
7300.0	10.0	7.9	38	265	228	0	66.8	102.7	2142	0	3850
7305.0	5.0	8.1	39	262	223	0	.0	125.0	1842	0	3868
7310.0	5.0	8.3	41	263	222	0	16.6	112.9	2046	0	3886
7315.0	5.0	8.6	50	262	212	0	75.0	71.5	2495	0	3900
7320.0	5.0	8.8	50	262	212	0	75.1	71.1	2512	0	3902
7325.0	5.0	9.0	49	236	212	0	75.8	70.5	2512	0	3898
7330.0	5.0	9.2	51	261	210	0	67.7	74.8	2466	0	3892
3243											
7335.0	5.0	9.5	49	261	212	0	71.9	72.0	2466	0	3891
7340.0	5.0	9.6	49	261	212	0	73.8	71.3	2459	0	3894
7345.0	5.0	9.7	51	261	210	0	73.5	71.6	2452	0	3898
7350.0	5.0	9.8	51	261	209	0	73.1	71.5	2446	0	3900
7360.0	10.0	10.1	51	261	210	0	73.4	71.7	2474	0	3916
7365.0	5.0	10.5	46	264	218	0	73.1	72.9	2577	0	3936
7370.0	5.0	11.0	46	264	218	0	75.3	72.6	2586	0	3936
7375.0	5.0	11.3	46	264	218	0	76.4	72.8	2610	0	3939
7380.0	5.0	11.4	46	264	218	0	75.8	72.3	2608	0	3951
7385.0	5.0	11.5	47	264	217	0	74.6	72.4	2598	0	3959
3287											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	FMPR	PCSG	HSP
3287											
7387.0	2.0	11.5	48	264	216	0	75.5	73.1	2617	0	3964

NEW BIT ID: 8

7390.0	.0	.4	40	290	260	0	62.8	78.1	2539	0	3932
7395.0	5.0	1.1	56	285	229	0	62.1	77.0	2539	0	3938
7400.0	5.0	2.2	44	285	241	0	60.8	78.2	2539	0	3940
7405.0	5.0	2.5	43	272	230	0	65.7	75.3	2539	0	3943
7415.0	10.0	3.7	48	258	209	0	68.4	73.9	2500	0	3871
7420.0	5.0	4.4	50	256	206	0	66.6	78.6	2612	0	3856
7425.0	5.0	4.9	48	254	206	0	56.4	79.7	2695	0	3876
7430.0	5.0	5.1	48	254	206	0	70.8	79.7	2700	0	3881
7435.0	5.0	5.3	48	254	206	0	70.1	79.5	2686	0	3884

3322

7440.0	5.0	5.7	49	254	205	0	62.7	77.6	2678	0	3883
7445.0	5.0	6.6	49	254	205	0	76.1	76.6	2711	0	3872
7450.0	5.0	7.0	47	255	207	0	76.5	76.9	2716	0	3879
7455.0	5.0	7.2	49	251	203	0	63.8	74.2	2539	0	3883
7460.0	5.0	7.7	48	251	203	0	76.5	75.0	2669	0	3859
7465.0	5.0	8.2	48	251	203	0	77.0	75.2	2680	0	3815
7470.0	5.0	8.4	48	251	203	0	77.0	75.1	2677	0	3805
7475.0	5.0	8.9	48	251	203	0	77.0	75.2	2684	0	3814
7480.0	5.0	9.1	49	251	202	0	76.9	74.9	2676	0	3841
7485.0	5.0	9.6	50	253	201	0	75.9	76.8	2700	0	3861

3361

7490.0	5.0	10.0	52	254	202	0	74.6	78.2	2695	0	3865
7500.0	10.0	10.2	50	254	204	0	76.2	76.0	2695	0	3878
7505.0	5.0	10.5	49	254	205	0	76.5	76.2	2699	0	3892
7510.0	5.0	10.7	47	254	207	0	76.4	76.0	2702	0	3905
7520.0	10.0	11.0	45	254	209	0	76.7	76.1	2700	0	3914
7523.0	3.0	11.4	50	254	204	0	76.3	75.9	2692	0	3919

NEW BIT ID: 9

7525.0	.0	.0	34	279	245	0	65.4	73.0	1954	0	3909
7530.0	5.0	.2	24	279	255	0	66.0	71.8	1954	0	3912
7535.0	5.0	.4	27	279	252	0	65.8	72.3	1954	0	3917
7540.0	5.0	.6	30	279	249	0	55.8	59.9	1739	0	3922

3409

7545.0	5.0	.8	33	279	247	0	53.2	65.0	1807	0	3927
7550.0	5.0	.9	31	275	244	0	57.6	67.0	1924	0	3934
7555.0	5.0	1.1	31	275	243	0	57.2	67.6	1928	0	3936
7560.0	5.0	1.2	32	275	243	0	57.6	68.8	1975	0	3939
7565.0	5.0	1.3	32	275	243	0	57.4	69.1	1972	0	3942
7570.0	5.0	1.5	32	275	243	0	57.5	69.0	1984	0	3945
7575.0	5.0	1.7	28	275	247	0	57.7	69.0	1991	0	3948
7580.0	5.0	2.0	27	278	250	0	57.5	68.4	2037	0	3949
7585.0	5.0	2.2	43	281	238	0	61.9	70.1	2145	0	3950
7590.0	5.0	2.4	37	270	235	0	61.9	70.9	2149	0	3950

3447

7600.0	10.0	2.6	33	270	237	0	62.1	70.4	2146	0	3952
7610.0	10.0	3.0	36	269	234	0	63.2	70.3	2198	0	3956
7620.0	10.0	3.4	36	266	230	0	68.4	69.1	2302	0	3961
7625.0	5.0	3.7	36	266	230	0	68.5	70.0	2291	0	3968

DEPTH	STEP	CHRS	MOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
3457											
7630.0	5.0	3.8	35	266	231	0	68.0	69.8	2281	0	3971
7640.0	10.0	4.2	33	267	233	0	67.7	70.9	2289	0	3977
7650.0	10.0	4.6	28	273	244	0	61.4	64.5	2021	0	3983
7660.0	10.0	5.3	29	273	244	0	56.9	62.8	1842	0	3987
7670.0	10.0	6.1	31	272	242	0	57.2	61.7	1857	0	3993
7675.0	5.0	6.3	28	268	240	0	58.0	60.8	1805	0	3996
7680.0	5.0	6.5	31	268	237	0	57.7	58.1	1811	0	4000
7685.0	5.0	6.9	36	268	232	0	63.1	60.8	1988	0	4004
7690.0	5.0	7.2	38	268	230	0	63.2	63.4	2039	0	4008
7700.0	10.0	7.8	45	273	226	0	63.2	63.8	2048	0	4013
3501											
7705.0	5.0	8.2	47	268	223	0	62.2	63.4	2007	0	4019
7710.0	5.0	8.5	45	268	223	0	61.0	62.6	1968	0	4021
7715.0	5.0	9.1	45	268	223	0	62.1	62.6	1998	0	4020
7720.0	5.0	9.4	46	268	222	0	63.4	62.8	2017	0	4022
7725.0	5.0	9.7	45	268	223	0	63.1	62.6	2013	0	4024
7730.0	5.0	10.0	45	268	223	0	63.1	62.5	2007	0	4027
7735.0	5.0	10.2	42	264	222	0	62.5	64.2	2087	0	4033
7740.0	5.0	10.4	40	262	222	0	64.5	67.0	2154	0	4036
7745.0	5.0	10.7	40	263	223	0	65.1	66.6	2168	0	4041
7750.0	5.0	11.0	41	264	223	0	65.0	66.6	2166	0	4045
3547											
7755.0	5.0	11.2	40	264	224	0	65.1	66.7	2161	0	4046
7760.0	5.0	11.4	39	264	225	0	65.2	66.9	2162	0	4048
7770.0	10.0	11.7	45	266	222	0	62.4	69.6	2203	0	4052
7775.0	5.0	11.9	48	268	220	0	62.9	70.0	2179	0	4056
7780.0	5.0	12.0	46	268	221	0	67.0	65.0	2187	0	4059
7785.0	5.0	12.2	43	267	224	0	67.3	65.9	2200	0	4063
7790.0	5.0	12.3	45	267	222	0	67.6	65.9	2215	0	4066
7795.0	5.0	12.4	46	266	221	0	67.7	65.2	2214	0	4068
7800.0	5.0	12.6	44	263	219	0	65.8	64.3	2144	0	4072
7805.0	5.0	12.7	43	263	220	0	66.5	66.9	2206	0	4074
3590											
7810.0	5.0	13.0	40	263	223	0	64.0	60.8	1972	0	4074
7820.0	10.0	13.4	41	263	222	0	63.4	59.6	1953	0	4075
7825.0	5.0	13.9	41	263	222	0	63.7	64.2	2073	0	4074
7830.0	5.0	14.1	43	269	221	0	62.8	64.7	2069	0	4078
7835.0	5.0	14.4	43	266	223	0	60.2	68.1	2079	0	4081
7840.0	5.0	14.5	44	266	222	0	65.7	64.9	2163	0	4085
7845.0	5.0	14.7	44	266	222	0	69.4	63.6	2203	0	4091
7850.0	5.0	14.9	43	266	223	0	69.2	63.9	2203	0	4097
7855.0	5.0	15.0	42	266	224	0	68.5	63.8	2195	0	4100
7860.0	5.0	15.2	42	266	224	0	68.0	64.3	2214	0	4103
3633											
7865.0	5.0	15.4	38	264	226	0	63.8	64.4	2149	0	4105
7870.0	5.0	15.6	39	264	225	0	64.8	65.2	2191	0	4109
7875.0	5.0	16.0	40	264	224	0	64.3	64.6	2186	0	4107
7880.0	5.0	16.2	40	264	224	0	62.8	63.7	2191	0	4109
7890.0	10.0	16.5	44	267	223	0	62.6	63.9	2195	0	4113
7900.0	10.0	16.9	46	268	223	0	61.7	62.5	2144	0	4114
7905.0	5.0	17.1	47	268	221	0	61.0	61.6	2133	0	4118
7910.0	5.0	17.3	45	268	223	0	61.6	61.7	2133	0	4120
7915.0	5.0	17.5	48	268	220	0	61.6	61.6	2131	0	4123
7920.0	5.0	17.7	47	268	221	0	61.0	61.5	2126	0	4126
3681											

DEPTH	STEP	CHRS	MOB	HKLDX	HKLD	BWDV	SPM1	SPM2	FMPR	PCSG	HSP
3681											
7930.0	10.0	18.0	49	270	223	0	61.3	58.7	2042	0	4132
7935.0	5.0	18.2	48	268	220	0	63.3	61.2	2173	0	4137
7940.0	5.0	18.4	48	268	220	0	63.2	61.1	2188	0	4140
7945.0	5.0	18.6	48	268	220	0	63.2	61.1	2185	0	4144
7950.0	5.0	18.9	51	268	217	0	63.1	61.1	2182	0	4145
7955.0	5.0	19.4	51	268	217	0	63.6	61.3	2176	0	4145
7960.0	5.0	19.8	51	268	217	0	63.6	62.3	2220	0	4146
7970.0	10.0	20.6	48	268	220	0	63.8	61.9	2194	0	4151
7980.0	10.0	21.2	46	268	222	0	64.8	60.2	2149	0	4156
7990.0	10.0	21.7	44	268	224	0	64.1	60.7	2162	0	4159
3722											
8000.0	10.0	22.3	42	268	226	0	64.7	61.9	2197	0	4163
8005.0	5.0	22.7	42	268	226	0	63.6	62.6	2181	0	4165
8010.0	5.0	23.0	42	268	226	0	63.9	62.8	2188	0	4166
8015.0	5.0	23.5	42	268	226	0	64.0	62.6	2178	0	4167
8020.0	5.0	23.8	42	269	227	0	62.4	64.5	2172	0	4169
8025.0	5.0	23.9	39	269	230	0	60.2	63.5	2168	0	4172
8030.0	5.0	24.1	41	269	228	0	61.1	64.2	2179	0	4175
8035.0	5.0	24.3	40	269	229	0	60.9	64.4	2186	0	4179
8040.0	5.0	24.7	43	269	226	0	62.8	65.8	2209	0	4186
8045.0	5.0	25.2	43	269	226	0	63.4	65.9	2207	0	4192
3745											
8050.0	5.0	25.6	44	270	225	0	65.0	68.3	2243	0	4195
8060.0	10.0	25.9	45	270	225	0	55.0	58.4	1764	0	4198
8065.0	5.0	26.2	46	270	224	0	49.7	53.0	1551	0	4202
8070.0	5.0	26.7	46	270	224	0	50.8	53.6	1577	0	4205
8080.0	10.0	27.3	43	275	227	0	51.4	54.5	1578	0	4206
8090.0	10.0	27.8	43	276	225	0	48.2	55.4	1564	0	4212
8095.0	5.0	28.0	45	270	225	0	50.0	55.3	1582	0	4219
8100.0	5.0	28.1	46	270	224	0	50.2	55.6	1585	0	4222

PE603758

This is an enclosure indicator page.
The enclosure PE603758 is enclosed within the
container PE906361 at this location in this
document.

The enclosure PE603758 has the following characteristics:

ITEM_BARCODE = PE603758
CONTAINER_BARCODE = PE906361
NAME = Drill Log
BASIN = GIPPSLAND
PERMIT = VIC/P1
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = Drill Log (enclosure from Well
Report-attachmenrt to WCR) for
Swordfish-1
REMARKS =
DATE_CREATED = 14/01/77
DATE_RECEIVED =
W_NO = W686
WELL_NAME = SWORDFISH-1
CONTRACTOR = CORE LABORATORIES
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603758

PE603756

This is an enclosure indicator page.
The enclosure PE603756 is enclosed within the
container PE906361 at this location in this
document.

The enclosure PE603756 has the following characteristics:

ITEM_BARCODE = PE603756
CONTAINER_BARCODE = PE906361
NAME = Geo-Plot Extended Service Logging
BASIN = GIPPSLAND
PERMIT = VIC/P1
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = Geo-Plot Extended Service Logging
(enclosure from Well Report--attachment
to WCR) for Swordfish-1
REMARKS =
DATE_CREATED = 14/01/77
DATE_RECEIVED =
W_NO = W686
WELL_NAME = SWORDFISH-1
CONTRACTOR = CORE LABORATORIES
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603755

This is an enclosure indicator page.
The enclosure PE603755 is enclosed within the
container PE906361 at this location in this
document.

The enclosure PE603755 has the following characteristics:

ITEM_BARCODE = PE603755
CONTAINER_BARCODE = PE906361
NAME = Geo-Plot Extended Service Logging
BASIN = GIPPSLAND
PERMIT = VIC/P1
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = Extended Service Logging for
Swordfish-1
REMARKS =
DATE_CREATED = 14/01/77
DATE_RECEIVED =
W_NO = W686
WELL_NAME = SWORDFISH-1
CONTRACTOR = CORE LABORATORIES
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603755
PE603756

PE603757

This is an enclosure indicator page.
The enclosure PE603757 is enclosed within the
container PE906361 at this location in this
document.

The enclosure PE603757 has the following characteristics:

ITEM_BARCODE = PE603757
CONTAINER_BARCODE = PE906361
NAME = Temperature Log
BASIN = GIPPSLAND
PERMIT = VIC/P1
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = Temperature Log (enclosure from Well
report--attachment to WCR) for
Swordfish-1
REMARKS =
DATE_CREATED = 14/01/77
DATE_RECEIVED =
W_NO = W686
WELL_NAME = SWORDFISH-1
CONTRACTOR = CORE LABORATORIES
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603757

PE603754

This is an enclosure indicator page.
The enclosure PE603754 is enclosed within the
container PE906361 at this location in this
document.

The enclosure PE603754 has the following characteristics:

ITEM_BARCODE = PE603754
CONTAINER_BARCODE = PE906361
NAME = ESP Pressure Log
BASIN = GIPPSLAND
PERMIT = VIC/P1
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = ESP Pressure Log (enclosure from Well
Report--attachment to WCR) for
Swordfish-1
REMARKS =
DATE_CREATED = 14/01/77
DATE_RECEIVED =
W_NO = W686
WELL_NAME = SWORDFISH-1
CONTRACTOR = CORE LABORATORIES
CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603754

PE603759

This is an enclosure indicator page.
The enclosure PE603759 is enclosed within the
container PE906361 at this location in this
document.

The enclosure PE603759 has the following characteristics:

- ITEM_BARCODE = PE603759
- CONTAINER_BARCODE = PE906361
- NAME = Mud Log
- BASIN = GIPPSLAND
- PERMIT = VIC/P1
- TYPE = WELL
- SUBTYPE = MUD_LOG
- DESCRIPTION = Mud Log 'Grapholog' (enclosure from
Well Report--attachment to WCR) for
Swordfish-1
- REMARKS =
- DATE_CREATED = 14/01/77
- DATE_RECEIVED =
- W_NO = W686
- WELL_NAME = SWORDFISH-1
- CONTRACTOR = CORE LABORATORIES
- CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603759