ESSO AUSTRALIA LTD
KINGFISH-7
CORELAB EXTENDED SERVICE
WELL REPORT

ATTACHMENT TO WCR
OF KINGFISH-7
CORE LAB EXTENDED SERVICE
REPORT

(W690)

EXTENDED SERVICE

ESSO AUSTRALIA LTD.

KINGFISH NO. 7

EXTENDED SERVICE WELL REPORT

CORE LABORATORIES INTERNATIONAL LTD.

24A, LIM TECK BOO ROAD. SINGAPORE 19.

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

CORE LABORATORIES INTERNATIONAL LTD.

Petroleum Reservoir Engineering

SINGAPORE

REPLY TO:
24-A, LIM TECK BOO ROAD,
SINGAPORE 19.
CABLE: CORELAB
TELEPHONE: 2821222, 2821587
TELEX: CORELAB RS 21423

6 JULY 1977

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

Attention: Mr. L. D. Attaway

Dear Sir,

Accompanying this well report, for your inspection and reference, are all logs and relevant computer recorded data pertaining to the drilling of KINGFISH NO. 7. If you have any queries or suggestions on the presentation of this well report and data found within, do not hesitate to contact us.

CORE LABORATORIES INTERNATIONAL LTD., appreciates being of assistance to ESSO AUSTRALIA during the entire drilling operations of KINGFISH NO. 7 and look forward to our continuing association on future exploratory work in Australia.

Yours sincerely,

S. La Rosa

Sal La Rosa
Unit Supervisor

SLR;wt
Encl.;

KINGFISH NO. 7 was drilled by ESSO AUSTRALIA LTD., in the Gippsland Basin of the Bass Strait. The step-out well of the KINGFISH OIL FIELD was drilled by ODECO's semi-submersible drilling rig the Ocean Endeavour. The well was spudded in a water depth of 254 feet on May 26 1977 and total depth of 7923 feet was reached at 0031 hours on June 10 1977.

The well location co-ordinates are:-

Latitude :	38°	35'	14.048"	S
Longitude :	148°	04'	59.761"	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 point. All computer data found within this report is stored on magnetic tape and can be retrieved at any time at the request of the client.

The CORE LABORATORIES well-site crew consisted of the following:

Unit Supervisor	-	Sal La Rosa
E.S. Engineer	-	Mike Warner
E.S. Engineer	-	Ingolf Hansen
Mud Logger	-	David Gilbert
Mud Logger	-	Ron Wigham
Mud Logger	-	Dennis Anderson

CORE LABORATORIES EXTENDED SERVICE EQUIPMENT

A. MUDLOGGING

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

B. CORE ANALYSING

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

C. COMPUTER SYSTEM & PERIPHERALS

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

D. EXTERNAL SENSING APPARATUS INCLUDED

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

E. PRESSURE TESTING EQUIPMENT

1 Hewlett Packard 2811B Quartz Pressure Gauge System.

RIG DESCRIPTION

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

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

RIG EQUIPMENT

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

1 Continental-Emsco C-3 Type 2 Drawworks grooved for 1.375" line, V-200 Parmac Hydromatic Brake, Emsco Catheads, Sandreel Assembly mounted on Drawworks, driven by three 1,000 HP DC Motors.

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

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

1 Continental-Emsco 650 ton Swivel, L650.

1 Bryon-Jackson Hydrahook, rated 500 ton.

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

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

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

4 Riser Tensioners, 80,000 lbs. units.

1 Motion Compensator, Rucker 400,000 lbs.

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

1 Sub-Sea Television System.

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

3 Milchem Triple RVS-96 Shale Shakers.

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

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

30 8" O.D. Drill Collars.

24 6.5" O.D. Spiral Drill Collars.

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

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

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

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

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

STORAGE CAPACITY

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

DESCRIPTION OF LOGS

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

The E.S. Logs include the following:

E.S. Drill Log - Scale 1:6000

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

inverse ratio of the mud weight increase. A multiplier of nine (9) was originally used for convenience to return the magnitude of the 'dcs' to a comparable value of its uncorrected state. In Core Lab's real-time drilling programmes a multiplier of ten (10) is used. An overlay is used on the 'dcs' to give a quantitative measurement of formation pore pressure. This method of pore pressure prediction is very accurate for homogenous shales but where the sandstone/siltstone ratio varies a great deal, inaccuracies may occur, consequently all other variables are considered in assigning a value to pore pressure.

E.S. Temperature Log

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

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

The temperature differential plot or delta T plot emphasizes changes in flowline temperature caused by surface effects such as mud addition or cooling during trips. Accompanying the plot are notations identifying the causes for temperature irregularities. The flowline temperature plot illustrates the change in flowline temperature during a bit run. Each bit run is labelled and the temperatures are logged to correspond to mud circulated from the bottom as the foot was cut. There are also notations to explain accountable

variations. The end to end normalised flowline temperature plot is the principle interpretive plot. The information from the other two plots are taken into account, normalised and plotted as one continuous bit run. The flowline temperature is normalised for an annular velocity of 100 ft./minute and a hole of constant diameter. There is also a compensation for specific changes in temperature of the drilling fluid. This factor is obtained by the implications of changes in surface dissipation of heat. For example, if the flowline mud temperature at the surface is reduced by a stabilised 30°F. then chemicals are added to the mud system, the temperature of the same quantity of mud is reduced only 15°F. for the same initial flowline temperature and the same pit volume then the specific heat has changed by a factor of two. In this manner the correction for chemicals added can be accounted for from bit run to bit run as long as initial conditions are kept constant, including the same initial suction pit temperature at the start of the bit run. Along with this plot are temperatures from Schlumberger electric log runs, the time after circulation and depth. When two or more points are available, there is projected bottomhole temperature obtained using inverse time versus log temperature plots, when bottomhole temperature is the temperature corresponding to the logrithmic value at 1/Time = 0.

E.S. Pressure Log

Information plotted on this log includes formation pore pressure, E.C.D. (equivalent circulating density) and formation fracture pressure. The formation pore pressure

plotted on this log is estimated from all formation pressure indicators. This is a conclusion log, therefore plotted data may well be modified on results from formation break-down tests (PIT Tests), FIT's or DST's. The E.S. pressure log is the best estimation of downhole formation pressure conditions by the Core Lab well-site E.S. Engineer, based upon all relevant well data processed throughout the well drilling operations. This log is plotted on linear graph paper at a vertical scale of 1:6,000 to coincide with all other E.S. logs.

E.S. Geoplot 1

This log includes rate of penetration, corrected 'd' exponent, drilling correlative porosity, formation fracture pressure, pore pressure and equivalent circulating density. It is plotted by the computer, either during the actual drilling of the hole or after TD, from the drilling data stored on magnetic tape. Once again this log is plotted on a 1:6,000 vertical scale. The horizontal dashed lines indicate the initation of a new bit run.

E.S. Geoplot 2

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

HP Quartz Pressure Gauge

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

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

WELL LOG PARAMETERS

1. Grapholog

   Scale 1:400, containing drilling rate, hot wire total gas, chromatographic analysis, percentage strip lithology, litholcgy descriptions and remarks column, casing points, individual bit runs, dates, mud data, deviation surveys and core descriptions.

2. E.S. Drill Log

   Scale 1:6,000, containing rate of penetration, hot wire total gas, corrected 'd' exponent, shale density, bit runs, dates and casing points.

3. E.S. Temperature Log

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

4. E.S. Pressure Log

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

5. E. S. Geoplot 1

Scale 1:6,000, containing rate of penetration corrected 'd' exponent, drilling porosity, formation pore pressure, equivalent circulating density and formation fracture gradient.

6. E. S. Geoplot 2

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

KINGFISH NO. 7 WELL SUMMARY

KINGFISH NO. 7 was spudded on May 26 1977, in a water depth of 254 feet. A 26 inch hole was drilled from the seafloor to a depth of 729 feet. All returns were to the seafloor and the drilling fluid used over the section was seawater. The hole was spotted with high viscosity mud on connections and was circulated with high viscosity slugs as required. 20 inch casing was set at 746 feet and the subsea blowout preventor and marine riser were run.

A 15 inch hole was drilled from 792 feet to 2911 feet. The lithology from 729 feet to 2060 feet was essentially skeletal calcarenite, very fine to fine grained, friable, becoming firmer, more compact and less porous towards the base of the section. Typical top hole drilling conditions prevailed from 792 feet to approximately 1600 feet. Fast erratic drilling rates ranged from one hundred to four hundred feet per hour. Low weights on bit were applied in an attempt to control drilling in the soft, poorly compacted sediments. However, most of this interval, appears to have been drilled by jetting rather than cutting action. Distinct compaction trends appeared from 1600 feet onwards. These were clearly indicated by the firmer nature of the cuttings, the 'd' exponent trend line and the decreasing drilling porosity. From 2060 feet to 2911 feet the lithology graded to a marl, essentially soft, gummy, occasionally grading to calcisiltite. Drilling rates ranged from two hundred and fifty to ninety feet per hour, gradually decreasing with depth. It can be noted that over the marl section that gas readings ranged from one unit to fifteen units, this could possibly be attributed to the dispersive nature of the calcareous

clay, causing a higher viscosity drilling fluid, holding and re-circulating a greater amount of gas than previously. All drilling parameters, apart from the increased gas readings indicated a normal pressure compaction trend over this interval. On reaching 2911 feet, the following Schlumberger Electric Logs were run:-

ISF - Sonic	-	2900 feet to 746 feet
FDC - GR	-	2892 feet to 746 feet, with GR to seafloor (337 feet)

10.75 inch casing was then run and set at 2859 feet.

After drilling out of the 10.75 inch casing with a 9.875 inch bit, a pressure integrity test was performed to 13.7 ppg mud weight equivalent at 2931 feet. No actual formation breakdown occured. The lithology from 2911 feet to 3200 feet was essentially marl with minor calcisiltite, becoming siltier with depth.

Drilling rates ranged from one hundred and thirty to eighty feet per hour, whilst drilling with 8.8 to 9.0 ppg mud. Drilling rates continued to decrease with depth. From 3200 feet onward the lithology graded to calcareous siltstone with intervals of marl and friable fossiliferous calcarenite to 4600 feet. It can be noted that the variable lithology was responsible for the reversal in corrected 'd' exponent trends from 4050 feet to 4350 feet, as this section was essentially calcarenite. Low background gas, few cavings and the absence of connection gas indicate, along with computed pore pressures that the interval was essentially normally pressured. From 4600 feet to 5990 feet the lithology was predominantly marl, becoming firmer and less hygroturgid towards the base of the section, where it, in part, grades to calcareous shale and occasionally calcareous siltstone. The mud weight was gradually built-up over this section to 9.3 ppg.

Minor problems associated with fast drilling, such as packing-off of annulus and hydraulic movement of drillpipe were encountered at 5476 feet. This problem was overcome by pumping and circulating a high viscosity pill to clear the annulus of cuttings then control drilling to less than one hundred and twenty feet per hour and circulating past the drill collars prior to making a connection.

From 5990 feet to 6500 feet the lithology showed decreasing amounts of firm to moderately hard calcareous shale and increasing amounts of firm to blocky calcareous siltstone, with minor marl and calcarenite. After replacing the bit at 6008 feet, the hole had to be reamed from 4345 feet to 4405 feet. Hole problems here could possibly be attributed to the chemical sensitivity of the argillaceous calcareous siltstone reacting with the seawater gel mud, causing swelling and sloughing.

From 6500 feet to 7430 feet the lithology was essentially calcareous mudstone and calcareous shale, firm to blocky and occasionally firm to hard. The mud system was changed from a seawater gel to a freshwater gel between 7170 feet and 7200 feet. Associated with the change over, the mud system became very areated and foamy; drilling stopped at 7295 feet in an attempt to break air out of the mud system.

A fast drilling break was encountered at 7434 feet and after taking a flow check the drill break was circulated out. Green sands caught in the samples indicated the top of the Gurnard Formation was at 7434 feet. No hydrocarbon shows were encountered. A further drilling break was circulated out at 7489 feet, but no hydrocarbon shows were encountered. A fast drilling break was again encountered

from 7505 feet to 7513 feet, after a negative flow check the break was circulated out, with hydrocarbon shows being encountered. This was assumed to be the Latrobe Formation and conventional cores (six in all) were out from 7513 feet to 7759. Full core description can be obtained from the grapholog enclosed at the end of this report. The core rathole was reamed and drilling continued to 7923 feet with a 9.625 inch bit. The lithology over this interval was essentially loose sandstone with minor siltstone. Total depth was reached at 0030 hours on June 10, 1977. The hole was conditioned prior to running the following Schlumberger wireline tools:-

ISF - SONIC LOG	7904 feet to 2859 feet
FDC - CNL - GR LOG	7904 feet to 2900 feet
VELOCITY SURVEY	7898 feet to 2900 feet
HDT LOG	7904 feet to 2859 feet

FIT NO. 1 - at 7518 feet obtaining a formation pressure of 3255.6 psig, equivalent to 8.33 ppg.

FIT NO. 2 - at 7592 feet obtaining a formation pressure of 3244 psig, equivalent to 8.22 ppg.

After the second test was concluded successfully, a hole conditioning trip was performed, with no major hole problems being encountered. On running the next RFT, the test tool would not proceed past 7320 feet, this being so, another clean-out trip was performed with a bridge encountered at 7340 feet. This was reamed and circulated clean and then another RFT run was attempted, only to be hung-up at 3740 feet. Another trip in the hole was made to ream the bridges, the first being encountered at approximately 5440 feet. After ream-

ing and circulating to approximately 7000 feet, the drillpipe parted and twenty-eight stands of pipe were left in the hole. Fishing procedures commenced and the fish was retrieved, after which another clean-out trip was performed. The hole was circulated clean and the mud weight was raised to 9.8 ppg in an attempt to solve the problem.

FIT No. 3 was run successfully over the depth of 7558 feet giving an initial shut in pressure from the main chamber of 3286.24 psig, equivalent to 8.36 ppg and a final shut-in pressure on the segregator of 3268.24 psig, equivalent to 8.31 ppg. FIT No. 4 was performed at a depth 7668 feet, obtaining a formation pressure of 3268 psig, equivalent to 8.19 ppg.

Gas composition retrieved from this last test revealed the following:-

C_1	158054 ppm	or	47.75%
C_2	66304 ppm	or	20.03%
C_3	73574 ppm	or	22.23%
C_4	26582 ppm	or	8.03%
C_5	5762 ppm	or	1.74%
C_6	727 ppm	or	0.22%

No CO_2 was detected but 3.3 ppm of H_2S was present in the gas sample. The oil recovered from this test had an API Gravity of 50^o at 64^oF.

FIT NO. 5 at 7648 feet obtained a formation pressure of 3264 psig, equivalent to 8.207 ppg.

RFT NO. 3 at 7654 feet with a pretest pressure of 3276 psig, equivalent to 8.208 ppg was not a successful test. This was also the case with the following eight RFT's at 7647 feet, 7658 feet, 766 feet, 7611 feet, 7610 feet, 7548 feet, 7653 feet 6 inches and 7652 feet. These tests failed, either because no seal was obtained on the formation or the test tool flowline became plugged.

FIT NO. 6 at 7658 feet obtained a formation pressure of 3265.2 psig, equvalent to 8.2 ppg.

FIT NO. 7 at 7634 feet obtained a formation pressure of 3259 psig, equivalent to 8.21 ppg.

FIT NO. 8 at 7508 feet obtained a formation pressure of 3254.5 psig, equivalent to 8.34 ppg.

FIT NO. 9 at 7516 feet obtained a formation pressure of 3254.96 psig, equvalent to 8.33 ppg.

FIT NO. 10 at 7574 feet was a very tight zone and no formation pressure was obtained.

FIT NO. 11 at a depth of 7781 feet obtained a formation pressure of 3314.18 psig, equivalent to 8.19 ppg.

FIT NO. 12 at a depth of 7870 feet obtained a formation pressure of 3359.5 psig, equivalent to 8.3 ppg.

Unfortunately, the Schlumberger test tool at the conclusion of this final test became stuck in the hole and the cable had to be stripped to finally retrieve the test tool. After getting the test tool to the surface a hole conditioning trip was run, after which ninety CST's were shot and then the hole was plugged and abandoned.

Considering all the data, processed and analysed, it is concluded that KINGFISH NO. 7 was normally pressured throughout and that the hole problems encountered were of a mechanical or chemical nature than ones of pressure.

1. ONLINE REAL TIME DRILLING PROGRAMME

The following parameters are calculated monitored and/or displayed while this programme is in operation.

DEPTH
CORRECTED 'd' EXPONENT
DRILLING POROSITY
FORMATION PORE PRESSURE
ROTARY TORQUE
BIT LIFE (ON BOTTOM)
PUMP PRESSURE
MUD FLOWRATE IN (AT COMPUTED EFFICIENCY)
MUD DENSITY IN
EQUIVALENT CIRCULATING DENSITY
ROTARY R.P.M.
CUMULATIVE BIT TURNS
FORMATION FRACTURE GRADIENT
MUD DENSITY OUT
TIME OF DAY
PLASTIC VISCOSITY
YIELD POINT
BIT TIME FOR ECONOMICS CALCULATIONS
OFF BOTTOM INDICATOR
MUD TEMPERATURE IN
MUD TEMPERATURE OUT
MUD RESISTIVITY IN
MUD RESISTIVITY OUT
MUD FLOWRATE OUT
RATE OF PENETRATION (FEET/HOUR, MINUTES/FOOT)
MAXIMUM HOOKLOAD
CURRENT LOAD

HYDROSTATIC PRESSURE
CASING PRESSURE
ANNULAR PRESSURE LOSS
TRIP MARGIN
ROCK MATRIX STRENGTH
ROCK STRENGTH
COST PER FOOT
BIT LIFE REMAINING
BEARING LIFE REMAINING
STRING PRESSURE LOSS
BIT PRESSURE LOSS
JET VELOCITY
IMPACT FORCE
HYDRAULIC HORSEPOWER
PIT LEVEL (SUCTION)
PIT LEVEL (RETURN)
GAS (%)
ANNULAR VOLUME
MUD DENSITY AT BIT
OVERALL PUMP EFFICIENCY
SYSTEMS FLOW EXPONENT
STRING VOLUME
SLIPSET INDICATOR

2. ONLINE PLOTTING CAPABILITY

STANDARD PLOT OF: DEPTH, RATE OF PENETRATION, CORRECTED 'd' EXPONENT, DRILLING POROSITY, EQUIVALENT CIRCULATING DENSITY, FRACTURE GRADIENT, PORE PRESSURE
(PLOT SCALED TO SUIT CLIENT REQUIREMENTS)

OPTION TO PLOT ANY OF THE FOLLOWING PARAMETERS ON A PLOT SCALED TO SUIT CLIENT REQUIREMENTS, WHILST IN THE REALTIME DRILLING MODE.

- RATE OF PENETRATION
- CORRECTED 'd' EXPONENT
- DRILLING POROSITY
- PORE PRESSURE
- EQUIVALENT CIRCULATING DENSITY
- FRACTURE GRADIENT
- PIT VOLUME (TOTAL)
- PIT VOLUME (SUCTION OR RETURN)
- COST PER UNIT DEPTH
- PUMP PRESSURE
- STROKE RATE PUMP ONE
- STROKE RATE PUMP TWO
- ROTARY TORQUE
- R.P.M. (ROTARY)
- MUD TEMPERATURE IN
- MUD TEMPERATURE OUT
- MUD DENSITY IN
- MUD DENSITY OUT

WEIGHT ON BIT
MAXIMUM HOOKLOAD
ROCK STRENGTH
BIT TOOTH HEIGHT REMAINING
BEARING LIFE REMAINING
STRING PRESSURE LOSS
BIT PRESSURE LOSS
JET VELOCITY
IMPACT FORCE
HYDRAULIC HORSEPOWER
ROCK MATRIX STRENGTH
PRESSURE LOSS IN THE ANNULUS
CASING PRESSURE
MUD RESISTIVITY IN
MUD RESISTIVITY OUT
MUD FLOWRATE IN
MUD FLOWRATE OUT
HYDROSTATIC PRESSURE
EQUIVALENT CIRCULATING DENSITY - PORE PRESSURE (DIFFERENTIAL)
FRACTURE GRADIENT - EQUIVALENT CIRCULATING DENSITY
MUD TEMPERATURE OUT - MUD TEMPERATURE IN
MUD DENSITY OUT - MUD DENSITY IN

3. ONLINE REALTIME DRILLING COMPUTER PRINTOUTS (5 OPTIONS)

SELECTION 1 : DEPTH, TIME, RATE OF PENETRATION, WEIGHT ON BIT, ROTARY R.P.M., MUD DENSITY IN, MUD DENSITY OUT, EQUIVALENT CIRCULATING DENSITY, PORE PRESSURE, FRACTURE GRADIENT, DRILLING POROSITY, CORRECTED 'd' EXPONENT

SELECTION 2 : DEPTH, TIME, COMPUTED ROCK STRENGTH, MUD TEMPERATURE IN, MUD TEMPERATURE OUT, MUD RESISTIVITY IN, MUD RESISTIVITY OUT, YIELD POINT, PLASTIC VISCOSITY, MUD VOLUME IN, MUD DENSITY IN OVERRIDE VALUE, NUMBER OF RECORDS.

SELECTION 3 : DEPTH, STEPS, CUMULATIVE HOURS, WEIGHT ON BIT, MAXIMUM HOOKLOAD, CURRENT HOOKLOAD, WEIGHT ON BIT OVERRIDE VALUE, STROKES PER MINUTE (PUMP ONE), STROKE PER MINUTE (PUMP TWO), PUMP PRESSURE, CASING PRESSURE, HYDROSTATIC PRESSURE.

SELECTION 4 : DEPTH, RATE OF PENETRATION, ROTARY R.P.M., WEIGHT ON BIT, MUD DENSITY IN, STROKES PER MINUTE (PUMP ONE), STROKES PER MINUTE (PUMP TWO), MUD VOLUME IN, PUMP PRESSURE, PLASTIC VISCOSITY, YIELD POINT, MUD TEMPERATURE IN, MUD TEMPERATURE OUT, MUD RESISTIVITY OUT.

SELECTION 5 : (WIDE CARRIAGE PRINTER FORMAT), DEPTH, TIME, RATE OF PENETRATION, WEIGHT ON BIT, ROTARY R.P.M., MUD DENSITY IN, MUD DENSITY OUT, EQUIVALENT CIRCULATING DENSITY, MUD TEMPERATURE IN, MUD TEMPERATURE OUT, PORE PRESSURE, FRACTURE GRADIENT, DRILLING POROSITY, CORRECTED 'd' EXPONENT, CUMULATIVE HOURS, PUMP STROKE RATE (ONE), PUMP STROKE RATE (TWO), MUD VOLUME IN, PUMP PRESSURE, CASING PRESSURE.

BIT DATA

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

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	792 - 2911'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	OSC3AJ	2119'	70000
	SIZE	JETS	HOURS RUN	CONDITION
	15"	20/20/20	9.5	3 - 5 - I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	8"	3"	378'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	20"	19.124"		746'	HUNG AT.

DEPTH	1150	1350	2400			
WOB	5.0	4.6	20			
RPM	116	119	128			
PUMP RATE	120	109/125	109/112			
FLOWRATE	590	1124	1091			
PUMP PRESS	733	2213	2199			
MW	8.6	8.6	8.6			
PV	-	-	-			
YP	-	-	-			
SAND %	-	-	-			
TEMP.	56	55	58			
Psurface	1	3	3			
Pstring	304	826	1021			
Pbit	428	1293	1187			
Pannulus	1.4	2.4	5			
Ptotal	734	2125	2216			
HHP	174	892	789			
IMPACTFORCE	760	2262	2093			
JET VEL	256	435	415			
DC/OH	89	175	166			
DP/OH	72	141	134			
DP/CSG	38	75	78			
ECD	8.6	8.6	8.7			

REMARKS;

DRILLING WITH SEAWATER . SPOT WITH HIGH VISCOSITY SLUG(25BBL).
PULL OUT OF HOLE FOR E-LOGS AND 10.75" CASING.

BIT RUN DATA SHEET.

CORE LAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	2911 - 4125'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	1214'	109000
	SIZE	JETS	HOURS RUN	CONDITION
	9.875"	15/15/15	15.5	4 - 8 - I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	566.62
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	HUNG AT.

DEPTH	3200	3400	3700			
WOB	31.0	28.3	40.8			
RPM	116	106	121			
PUMP RATE	87/85	82/81	84/84			
FLOW RATE	847	800	832			
PUMP PRESS	2716	2764	2684			
MW	9.0	9.0	9.0			
PV	5	4	5			
YP	5	10	8			
SAND %	.25	.25	.25			
TEMP.	67	78	83			
Psurface	3	3	3			
Pstring	612	487	587			
Pbit	2058	2234	2049			
Pannulus	42	38.4	45.7			
Ptotal	2714	2762	2684			
HHP	980	1095	947			
IMPACTFORCE	2024	2197	2015			
JET VEL	533	548	517			
DC/OH	376	355	369			
DP/OH	286	270	281			
DP/CSG	281	265	276			
ECD	9.1	9.1	9.2			

REMARKS; DEVIATION SURVEY AT 4125' BEING 1°

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	4125 - 6008'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	1883'	115000
	SIZE	JETS	HOURS RUN	CONDITION
	9.625"	15/15/15	15.1	2 - 6 - I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	566.62'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	HUNG AT.

DEPTH	4280	4859				
WOB	41	40				
RPM	142	145				
PUMP RATE	79/80	78/77				
FLOWRATE	793	749				
PUMP PRESS	2880	3000				
MW	9.1	9.1				
PV	5	5				
YP	8	8				
SAND %	.5	.5				
TEMP.	86	97				
Psurface	6	16				
Pstring	657	724				
Pbit	2169	2225				
Pannulus	61	68				
Ptotal	2880	3000				
HHP	1050	1064				
IMPACTFORCE	2133	2169				
JET VEL	541	545				
DC/OH	385	364				
DP/OH	287	271				
DP/CSG	263	241				
ECD	9.2	9.3				

REMARKS; DEVIATION SURVEY AT 6008' BEING 3.75°

CLE-12

BIT RUN DATA SHEET.

CORE LAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	6008 - 7513'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X1G	1505'	218000
	SIZE	JETS	HOURS RUN	CONDITION
	9.625"	16/16/16	24.5	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"	566'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	HUNG AT.

DEPTH	6700	7504				
WOB	35	36				
RPM	149	147				
PUMP RATE	76/78	74/76				
FLOWRATE	831	821				
PUMP PRESS	2690	2810				
MW	9.4	9.2				
PV	7	8				
YP	12	13				
SAND %	.25	.25				
TEMP.	87	97				
Psurface	13	13				
Pstring	1004	1045				
Pbit	1614	1689				
Pannulus	58	63				
Ptotal	2689	2810				
HHP	743	672				
IMPACTFORCE	1692	1571				
JET VEL	434	423				
DC/OH	404	399				
DP/OH	301	297				
DP/CSG	275	272				
ECD	9.6	9.4				

REMARKS; SWITCHED TO FRESHWATER GEL AT 7170 - 7200'

DEVIATION SURVEY AT 7513' BEING 0.5°

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 6 BIT NO. CB1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7513 - 7533'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRISTIANSEN	C-20	20'	7000
	SIZE	JETS	HOURS RUN	CONDITION
	8.47"	EQUIV. 23	1.5	100% WORN

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	655'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	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;

CUT 20' ; RECOVERY 0% .

NO HYDRAULICS CALCULATED WHILE CORING.

CORE LAB ESP

BIT RUN DATA SHEET.

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	-

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X1G	-	-
	SIZE	JETS	HOURS RUN	CONDITION
	9.625"	16/16/16	-	2 - 2 - I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	566'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	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;

REAMED OUT 20' TO CLEAN AND CONDITION HOLE.

CORE LAB

BIT RUN DATA SHEET.

ESP

UNIT NO. 1010 RUN NO. 8 BIT NO. CB2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7533 - 7581'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CRISTIANSEN	C-22	48'	30000
	SIZE 8.47"	JETS EQUIV. 23	HOURS RUN 8.75	CONDITION EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	655'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	10.75"	9.95"		2859'	

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;

CUT 48' ; RECOVERED 47'10" .

CORE LAB ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 9 BIT NO. CB3 RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7581 - 7611'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRISTIANSEN	C-22	30'	19000
	SIZE 8.47"	JETS EQUIV. 23	HOURS RUN 6	CONDITION GOOD

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	655'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	10.75"	9.95"		2859'	

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:

CUT 30' ; RECOVERED 30'.

CORE LAB ESP

BIT RUN DATA SHEET.

UNIT NO. 1010 RUN NO. 10 BIT NO. CB4 RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7611 - 7654'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRISTIANSEN	C-22	43'	41000
	SIZE 8.47"	JETS EQUIV. 23	HOURS RUN 9.75	CONDITION RINGED ON BOTTOM

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	655'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	HUNG AT.

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

REMARKS: CUT 43' ; RECOVERED 39'.

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 11 BIT NO. CB5

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7654 - 7699'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRISTIANSEN	C-22	45'	23000
	SIZE 8.47"	JETS EQUIV. 23	HOURS RUN 6	CONDITION EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	655'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	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; CUT 45' ; RECOVERED 26'2".

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 12 BIT NO. CB6 RR

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7699 - 7759'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRISTIANSEN	C- 22	60'	75000
	SIZE	JETS	HOURS RUN	CONDITION
	8.47"	EQUIV. 23	17.2	25% WORN

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	5"	4.276"	
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	655'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	10.75"	9.95"		2859'	

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: CUT 60' ; RECOVERED 53'6".

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. 1010 RUN NO. 13 BIT NO. 6 (RR)

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7759 - 7923'

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X1G	164'	12000
	SIZE	JETS	HOURS RUN	CONDITION
	9.625"	12/12/12	2	4 - 5 - I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	5"	4.276"	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	6.5"	2.8125"	566'
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	10.75"	9.95"		2859'	HUNG AT.

DEPTH	7920					
WOB	26					
RPM	106					
PUMP RATE	98					
FLOWRATE	401					
PUMP PRESS	1835					
MW	9.2					
PV	18					
YP	12					
SAND %	TR					
TEMP.	78					
Psurface	7					
Pstring	593					
Pbit	1137					
Pannulus	103					
Ptotal	1840					
HHP	592					
IMPACTFORCE	1193					
JET VEL	491					
DC/OH	195					
DP/OH	145					
DP/CSG	133					
ECD	9.5					

REMARKS; REAM CORE RAT HOLE FROM 7533 - 7759'. DRILL TO TOTAL DEPTH OF 7923'. CIRCULATE OUT AND CONDITION MUD. RUN WIPER TRIP, RUN IN HOLE AND CIRCULATE OUT AND CONDITION MUD BEFORE TRIPPING FOR ELECTRIC LOGS.

COST PER FOOT CHARTS

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

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

CORE LAB **ESP**

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 2

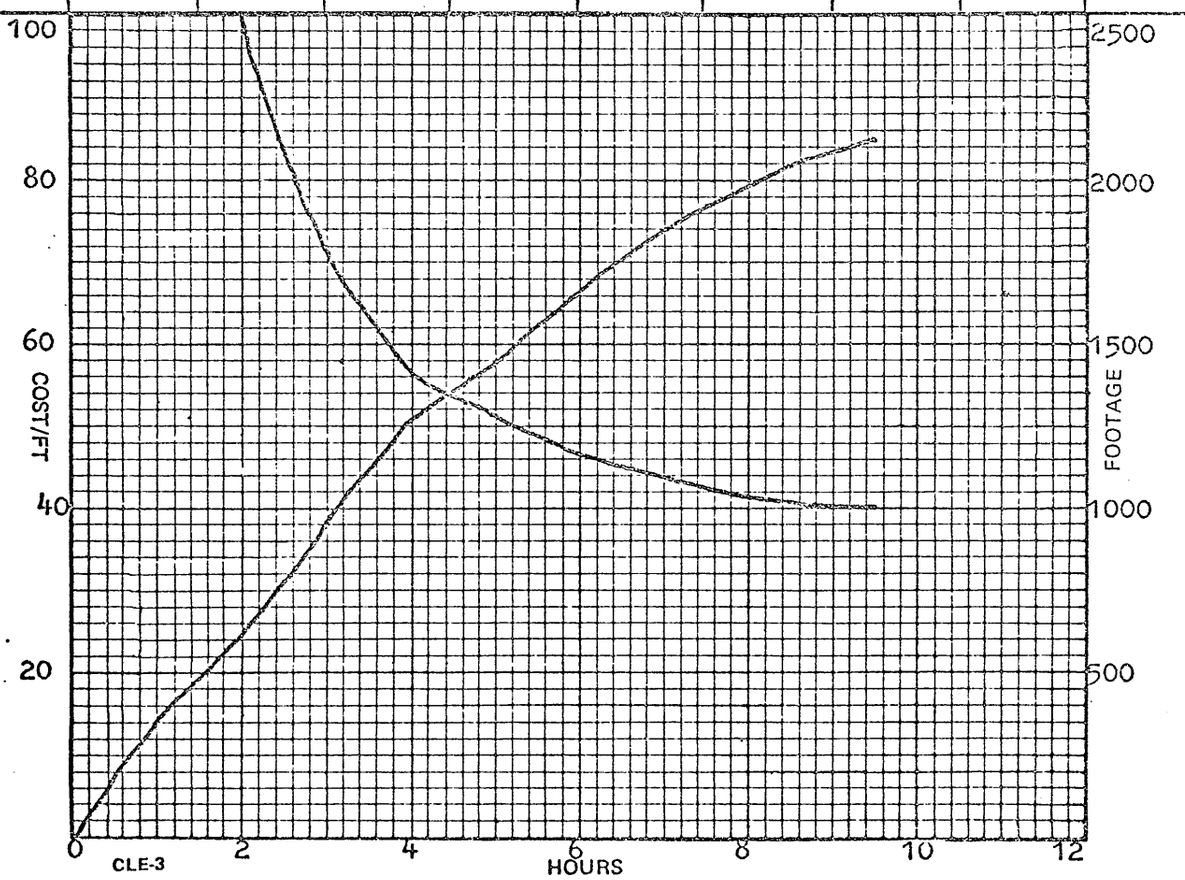
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	792 - 2911'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC OSC3AJ	15"	2119'	70000
	COST	JETS	HOURS RUN	CONDITION
	962	20/20/20	9.5	3 - 5 - I

RIG COST/HR. $1700

TRIP TIME 1.5 HRS

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.0	7000	1144	352	162.9					
2	14000	1404	612	102.4					
3	21000	1738	946	71.4					
4	27000	2055	1263	56.5					
5	34000	2238	1446	51.3					
6	42000	2448	1656	46.4					
7.1	50000	2651	1859	42.8					
8	57000	2775	1983	41.2					
9.5	70000	2911	2119	40.1					



CORE LAB ESP

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 3

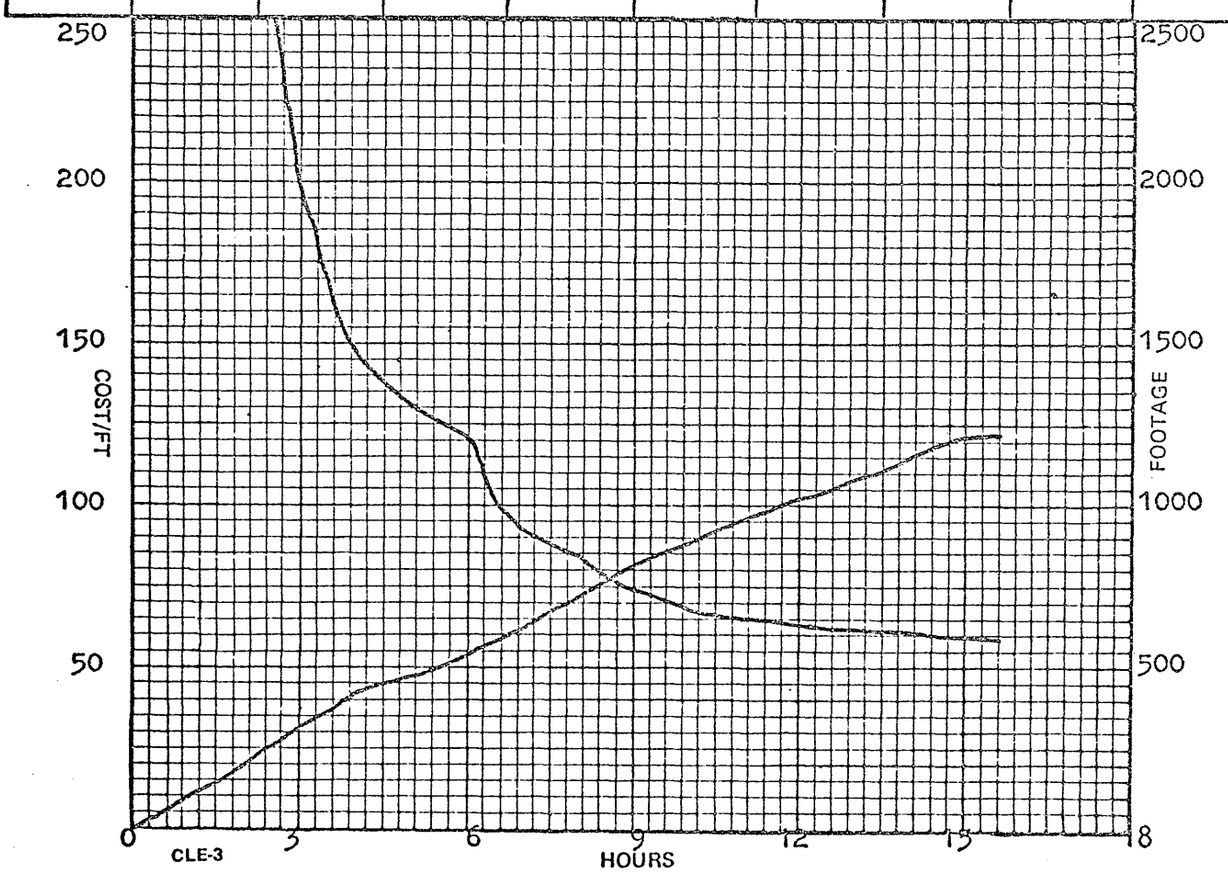
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	2911 - 4125'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	9.875"	1214'	109000
	COST	JETS	HOURS RUN	CONDITION
	$500	15/15/15	15.5	4 - 8 - I

RIG COST/HR. $1700

TRIP TIME 4.5

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.0	7000	3008	97	527.1					
2	13000	3108	197	271.9					
4	27000	3313	402	147.0					
5	34000	3380	469	129.9					
6	39000	3441	530	120.2					
7	48000	3531	620	92.7					
8	55000	3618	707	84.5					
10	69000	3794	883	68.6					
12.2	84000	3936	1025	63.1					
13.1	91000	3993	1082	61.8					
14.2	98000	4063	1152	60.1					
15.0	104000	4116	1205	58.9					
15.5	109000	4125	1214	58.6					



CORE LAB ESP

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 4

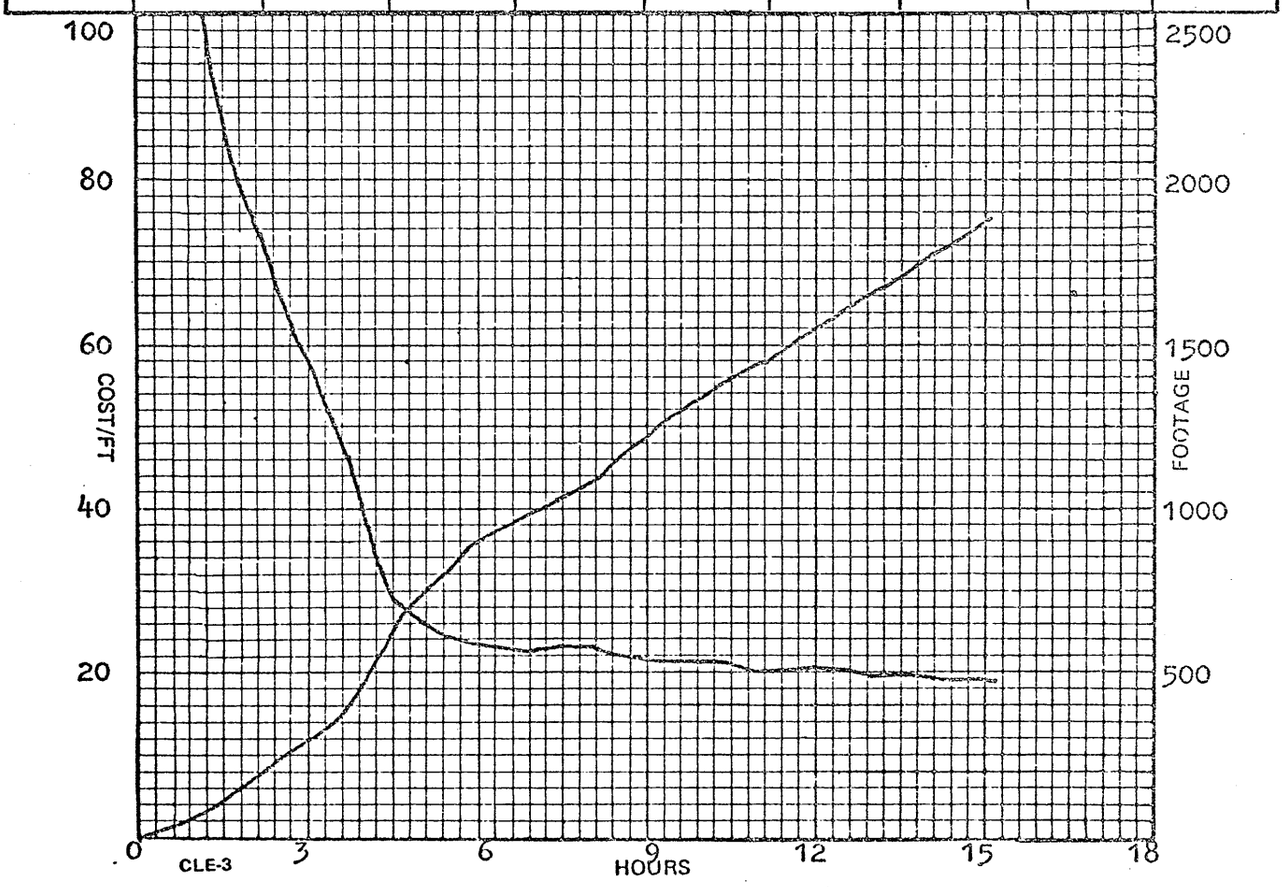
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	4125 - 6008'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X3A	9.625"	1883'	115000
	COST	**JETS**	**HOURS RUN**	**CONDITION**
	$680	15/15/15	15.1	2 - 6 - I

RIG COST/HR. $1700

TRIP TIME 6.0

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1.3	9000	4221	96	136.35					
2.0	14000	4315	190	75.16					
3.5	27000	4480	355	47.41					
4.5	35000	4764	639	29.0					
5.0	39000	4870	745	26.01					
6.0	47000	5020	895	23.55					
7.0	56000	5113	988	22.37					
8.1	66000	5213	1088	22.66					
9.1	76000	5365	1240	21.25					
10.0	82000	5470	1345	20.83					
11.0	92000	5570	1445	20.00					
12.1	98000	5680	1555	20.23					
13.0	105000	5780	1655	19.93					
14.0	113000	5890	1765	19.65					
15.1	115000	6008	1883	19.41					



CORE LAB **ESP**

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 5

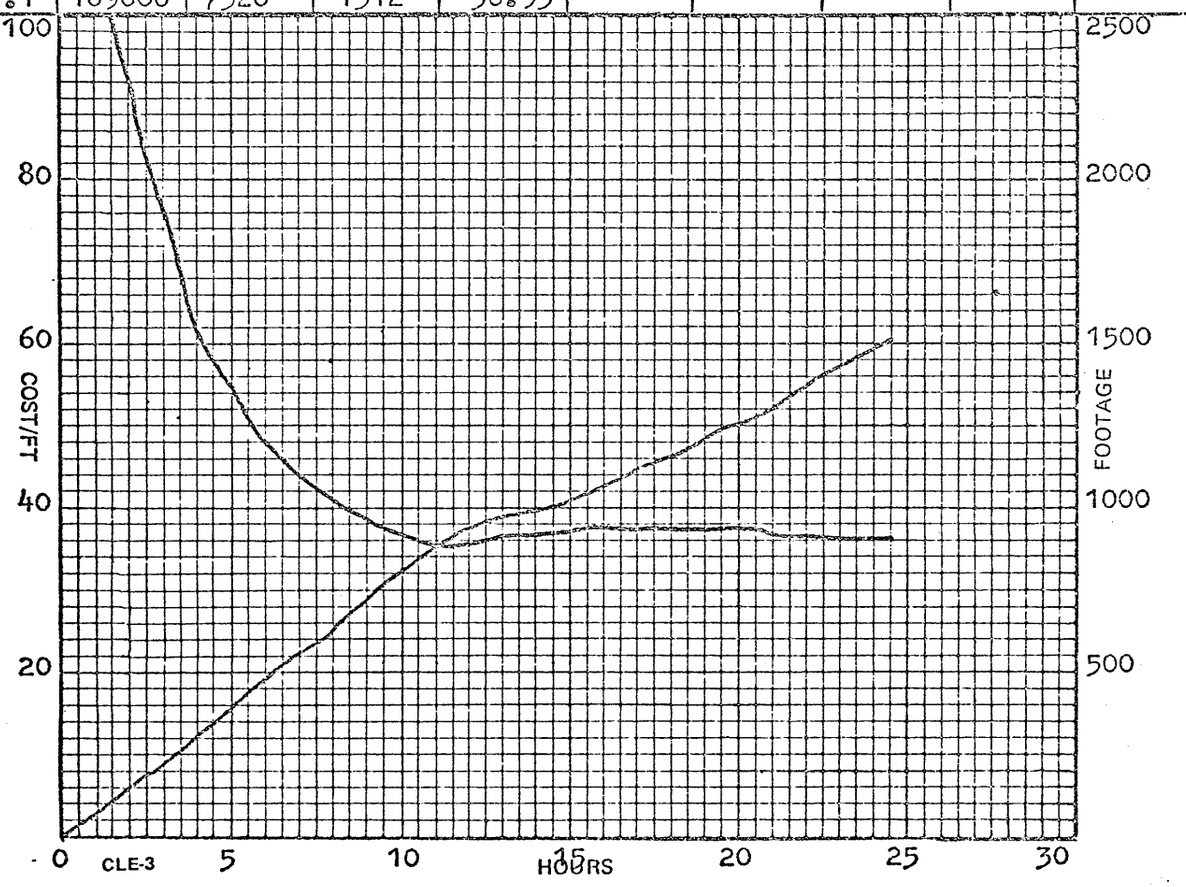
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	6008 - 7513'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X1G	9.625"	1505	218000
	COST	**JETS**	**HOURS RUN**	**CONDITION**
	$680	16/16/16	24.5	3 - 8 - I

RIG COST/HR. $1700

TRIP TIME 7

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
3	26000	6240	232	76.21	22.0	197000	7380	1372	36.43
4.1	37000	6370	322	60.71	23.0	206000	7440	1432	36.09
5	43000	6390	382	55.18	24.5	218000	7513	1505	36.03
6	52000	6480	472	47.96					
7	61000	6560	552	44.35					
8	71000	6640	632	41.42					
9	80000	6730	722	38.61					
10	88000	6810	802	36.88					
11	98000	6890	882	35.46					
13.1	116000	6970	962	36.23					
14.1	125000	7000	992	36.84					
15.2	136000	7040	1032	37.23					
16.2	146000	7080	1072	37.43					
17.0	153000	7120	1112	37.30					
18.1	163000	7170	1162	37.31					
19.0	171000	7210	1202	37.34					
20.1	181000	7260	1252	37.34					
21.1	189000	7320	1312	36.93					



CLE-3

CORE LAB ESP

COST PER FOOT GRAPH

UNIT NO. 1010 BIT NO. 6 (RR)

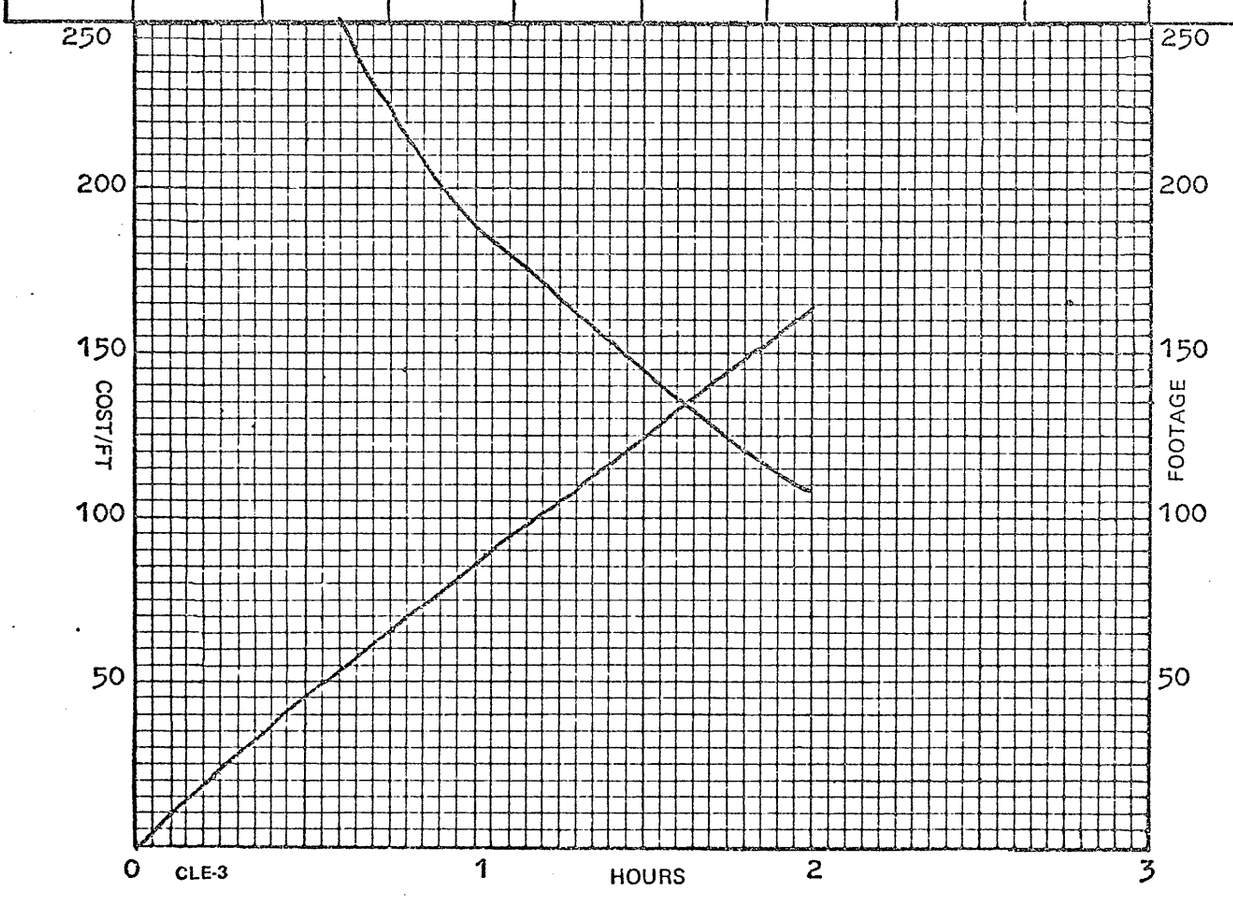
COMPANY.	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN	7759 - 7923'

BIT.	TYPE	SIZE	FOOTAGE	TOTAL REVS.
	HTC X1G	9.625"	164'	12000
	COST	JETS	HOURS RUN	CONDITION
	$680	12/12/12	2	4 - 5 - I

RIG COST/HR. ~~$1700~~

TRIP TIME 8

HRS	BIT-TURNS	DEPTH	ACC FT.	COST/FT.	HRS	BIT-TURNS	DEPTH	ACC FT.	COST FT.
1	6000	7845	86	185.81					
2	12000	7923	164	107.80					



MUD DATA

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

CORE LAB ESP

MUD INFORMATION DATA SHEET

UNIT NO. 1010 SHEET NO. 1

COMPANY	WELL	LOCATION
ESSO AUSTRALIA	KINGFISH # 7	GIPPSLAND BASIN

DEPTH	833	885	2911	3270	4354	6008	6719
DATE	27/5/77	29/5/77	30/5/77	1/6/77	2/6/77	3/6/77	4/6/77
TIME	23:30	-	-	04:30	04:30	22:00	17:00
WEIGHT	8.5	8.7	9.0	8.8	9.1	9.3	9.4
FUNNEL VISCOSITY	85	-	31	30	34	34	35
PLASTIC VISCOSITY			4	4	4	6	7
YIELD POINT			7	10	8	12	12
GEL INITIAL/10 MIN			1/4	1/3	4/13	5/14	6/14
pH			11	10	10	10	10
FILTRATE			N/C	N/C	37	45	46
CAKE				-	.75	.75	.75
SALINITY				10000	15500	16000	16000
SOLIDS/SAND/OIL				-/.25/-	7/.5/-	7.5/.5/-	8.5/.2/-

REMARKS: SEAWATER/GEL 833 - 7170'
FRESHWATER/GEL 7170 - 7923'

DEPTH	7504	7533	7568	7611	7692	7748	7923
DATE	4/6/77	5/6/77	7/6/77	8/6/77	9/6/77	9/6/77	10/6/77
TIME	05:00	23:30	04:30	21:45	04:15	05:00	05:30
WEIGHT	9.2	9.4	9.3	9.3	9.2+	9.2+	9.2
FUNNEL VISCOSITY	38	40	40	59	61	60	55
PLASTIC VISCOSITY	8	11	11	19	18	19	18
YIELD POINT	13	10	10	10	14	15	12
GEL INITIAL/10 MIN	3/11	4/13	3/10	4/17	6/20	5/15	4/13
pH	10	10	10	10.5	10	10	10
FILTRATE	10.2	8.6	6	5.8	5.8	5.6	5.9
CAKE	2	2	2	2	2	2	2
SALINITY	11800	11000	9000	8000	7200	6700	6000
SOLIDS/SAND/OIL	8/.25/-	9/TR/-	9/TR/-	10.5/TR/-	10/TR/-	10/TR/-	10/TR/-

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, Tooth-wear, differential pressure and rock strength
DEXP	-	Calculated 'd' exponent. The 'd' exponent is a function of WOB, ROP, RPM and hole size. A correction is made to the 'd' exponent for variations in mud density to give the corrected 'd' exponent

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
64											
NEW BIT ID: 2											
810.0	5:29	281.4	2	132	8.6	8.6	8.6	8.60	10.5	93.1	.62
830.0	5:38	418.7	2	132	8.6	8.6	8.8	8.60	10.6	112.7	.53
840.0	5:39	489.2	3	132	8.6	8.6	8.9	8.60	10.6	88.4	.53
845.0	5:40	419.6	3	132	8.6	8.6	8.9	8.60	10.6	91.8	.55
850.0	5:40	181.2	2	132	8.6	8.6	8.9	8.60	10.6	105.8	.66
865.0	5:55	246.7	4	132	8.6	8.6	8.8	8.60	10.6	76.6	.68
870.0	5:55	337.0	4	132	8.6	8.6	8.8	8.60	10.7	82.9	.60
880.0	5:57	438.4	4	132	8.6	8.6	8.8	8.60	10.7	82.0	.58
890.0	5:59	319.2	4	121	8.6	8.6	8.9	8.60	10.7	87.2	.62
900.0	6:13	180.4	4	122	8.6	8.6	8.8	8.60	10.7	78.8	.74
86											
910.0	6:15	357.0	4	119	8.6	8.6	8.7	8.60	10.8	83.6	.60
920.0	6:17	436.1	5	120	8.6	8.6	8.8	8.60	10.8	80.4	.57
925.0	6:19	176.2	3	119	8.6	8.6	8.8	8.60	10.8	86.1	.71
930.0	6:30	295.4	4	126	8.6	8.6	8.7	8.60	10.8	77.1	.66
940.0	6:33	320.5	5	132	8.6	8.6	8.7	8.60	10.8	73.7	.66
945.0	6:36	459.2	6	136	8.6	8.6	8.8	8.60	10.8	66.8	.62
950.0	6:36	428.5	4	138	8.6	8.6	8.8	8.60	10.8	92.4	.58
955.0	7:18	344.5	5	132	8.6	8.6	8.6	8.60	10.8	69.8	.65
960.0	7:18	432.7	6	132	8.6	8.6	8.7	8.60	10.9	55.5	.63
965.0	7:19	309.5	2	132	8.6	8.6	8.7	8.60	10.9	90.9	.56
103											
970.0	7:24	314.6	1	132	8.6	8.6	8.7	8.60	10.9	96.4	.55
980.0	7:29	490.7	4	130	8.5	8.7	8.8	8.60	10.9	70.1	.55
990.0	7:41	211.0	4	114	8.6	8.7	8.8	8.60	10.9	63.8	.69
995.0	7:44	235.6	5	140	8.7	8.7	8.8	8.60	10.9	70.7	.73
1000.0	7:47	209.7	5	142	8.7	8.7	8.8	8.60	10.9	68.5	.77
1010.0	7:49	240.7	4	142	8.6	8.7	8.9	8.60	10.9	79.4	.73
1015.0	7:50	278.6	2	143	8.6	8.7	8.9	8.60	11.0	128.0	.60
1020.0	7:52	304.1	2	121	8.6	8.7	8.9	8.60	11.0	128.0	.56
1030.0	8: 6	302.5	5	125	8.6	8.7	8.7	8.60	11.0	66.4	.68
1035.0	8: 7	465.1	5	137	8.6	8.7	8.8	8.60	11.0	72.3	.60
128											
1040.0	8: 7	493.2	5	136	8.6	8.7	8.8	8.60	11.0	73.8	.59
1045.0	8: 9	248.2	5	138	8.6	8.7	8.8	8.60	11.0	65.2	.74
1050.0	8: 9	333.7	2	139	8.6	8.7	8.8	8.60	11.0	128.0	.59
1055.0	8:22	369.7	4	120	8.6	8.7	8.7	8.60	11.0	87.1	.59
1060.0	8:23	337.5	3	134	8.6	8.7	8.7	8.60	11.0	91.7	.61
1070.0	8:24	241.7	4	130	8.6	8.7	8.7	8.60	11.1	94.1	.67
1080.0	8:25	352.6	3	141	8.6	8.7	8.8	8.60	11.1	109.6	.59
1085.0	8:37	278.1	3	132	8.6	8.7	8.7	8.60	11.1	106.9	.65
1090.0	8:38	353.2	5	129	8.6	8.7	8.7	8.60	11.1	70.0	.65
1100.0	8:40	317.4	2	138	8.6	8.7	8.8	8.60	11.1	128.0	.59
145											
1110.0	8:51	317.3	4	106	8.6	8.7	8.8	8.60	11.1	95.7	.60
1115.0	8:51	256.4	2	112	8.6	8.7	8.7	8.60	11.1	83.4	.59
1120.0	8:52	256.4	3	112	8.6	8.7	8.8	8.60	11.1	77.2	.60
1125.0	8:57	192.5	3	114	8.6	8.7	8.8	8.60	11.1	68.1	.68
1130.0	9: 0	186.0	3	114	8.6	8.7	8.8	8.60	11.2	66.7	.69
1140.0	9: 4	279.0	4	114	8.6	8.7	8.8	8.60	11.2	66.5	.64
1145.0	9:12	149.2	8	106	8.6	8.7	8.8	8.60	11.2	42.9	.84

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
161											
1150.0	9:25	176.1	5	116	8.6	8.7	8.7	8.60	11.2	54.0	.76
1155.0	9:28	223.5	6	116	8.6	8.7	8.7	8.60	11.2	53.3	.73
1160.0	9:30	304.8	5	115	8.6	8.7	8.7	8.60	11.2	60.4	.65
1170.0	9:30	222.5	10	113	8.6	8.7	8.8	8.60	11.2	41.5	.80
1180.0	9:41	342.4	4	98	8.6	8.7	8.9	8.60	11.2	72.9	.55
1190.0	9:45	246.7	3	114	8.6	8.7	8.9	8.60	11.2	73.3	.63
1195.0	9:47	286.6	4	117	8.6	8.7	8.9	8.60	11.3	69.0	.62
1200.0	9:48	436.6	5	116	8.6	8.7	8.9	8.60	11.3	69.6	.56
1205.0	10: 2	483.6	6	103	8.6	8.7	8.8	8.60	11.3	65.5	.54
1210.0	10: 5	214.7	3	118	8.6	8.7	8.8	8.60	11.3	72.7	.67
182											
1220.0	10: 8	249.5	4	118	8.6	8.7	8.8	8.60	11.3	62.9	.67
1225.0	10: 9	409.1	6	118	8.6	8.6	8.8	8.60	11.3	61.5	.61
1230.0	10:10	288.7	4	119	8.6	8.6	8.8	8.60	11.3	66.1	.64
1235.0	10:11	460.4	7	118	8.6	8.6	8.9	8.60	11.3	61.6	.59
1240.0	10:21	263.5	6	121	8.6	8.6	8.9	8.60	11.3	56.0	.71
1245.0	10:22	279.0	5	122	8.6	8.6	8.9	8.60	11.3	60.9	.68
1250.0	10:24	260.4	7	122	8.6	8.6	8.9	8.60	11.3	53.9	.73
1260.0	10:28	218.4	5	122	8.6	8.6	8.9	8.60	11.4	59.3	.72
1265.0	10:30	193.6	5	122	8.6	8.6	8.9	8.60	11.4	56.7	.75
1270.0	10:40	340.9	7	121	8.6	8.6	8.8	8.60	11.4	55.2	.68
198											
1275.0	10:44	130.3	4	121	8.6	8.6	8.8	8.60	11.4	59.7	.80
1280.0	10:46	176.7	6	120	8.6	8.6	8.8	8.60	11.4	62.1	.79
1285.0	10:48	251.7	7	121	8.6	8.6	8.8	8.60	11.4	57.4	.75
1290.0	10:49	194.0	6	121	8.6	8.6	8.8	8.60	11.4	60.9	.78
1300.0	10:50	205.5	8	115	8.6	8.6	8.9	8.60	11.4	53.8	.79
1310.0	11: 1	205.6	7	114	8.6	8.6	8.8	8.60	11.4	56.4	.79
1320.0	11: 4	208.4	9	115	8.6	8.6	8.8	8.60	11.4	50.3	.81
1325.0	11: 5	445.5	9	114	8.6	8.6	8.8	8.60	11.5	58.7	.63
1330.0	11: 6	207.2	10	115	8.6	8.6	8.8	8.60	11.5	46.6	.84
1335.0	11:18	182.4	11	115	8.6	8.6	8.7	8.60	11.5	40.3	.90
221											
1340.0	11:19	376.6	11	114	8.6	8.6	8.7	8.60	11.5	50.9	.70
1350.0	11:24	229.5	11	117	8.6	8.6	8.7	8.60	11.5	44.3	.83
1355.0	11:26	261.3	11	119	8.6	8.6	8.8	8.60	11.5	46.7	.79
1360.0	11:27	267.7	11	119	8.6	8.6	8.8	8.60	11.5	47.6	.78
1370.0	11:39	297.2	10	120	8.6	8.6	8.8	8.60	11.5	48.8	.76
1380.0	11:41	413.7	10	122	8.6	8.6	8.8	8.60	11.5	52.5	.68
1390.0	11:42	385.2	14	121	8.6	8.6	8.8	8.60	11.5	44.8	.74
1400.0	12: 1	257.7	9	119	8.6	8.6	8.7	8.60	11.6	55.1	.78
1405.0	12: 2	239.1	4	120	8.6	8.6	8.7	8.60	11.6	74.6	.69
1410.0	12: 3	375.7	9	117	8.6	8.6	8.7	8.60	11.6	55.2	.68
242											
1415.0	12: 3	476.1	12	117	8.6	8.6	8.8	8.60	11.6	50.0	.66
1420.0	12: 4	300.0	9	119	8.6	8.6	8.8	8.60	11.6	52.5	.74
1430.0	12:16	335.8	12	108	8.6	8.6	8.7	8.60	11.6	47.4	.73
1435.0	12:18	227.0	7	108	8.6	8.6	8.7	8.60	11.6	57.5	.74
1440.0	12:19	196.6	7	109	8.6	8.6	8.8	8.60	11.6	55.0	.78
1445.0	12:20	260.1	10	109	8.6	8.6	8.8	8.60	11.6	50.1	.76
1450.0	12:22	223.9	8	109	8.6	8.6	8.8	8.60	11.6	52.7	.77
1460.0	12:30	262.2	9	111	8.6	8.6	8.8	8.60	11.6	53.0	.76
1470.0	12:32	338.1	13	112	8.6	8.6	8.8	8.60	11.7	46.9	.71
1480.0	12:35	198.5	8	113	8.6	8.6	8.8	8.60	11.7	51.9	.80
264											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
264											
1485.0	12:36	333.4	14	112	8.6	8.6	8.8	8.60	11.7	43.7	.76
1490.0	12:42	259.6	10	113	8.6	8.6	8.8	8.60	11.7	48.2	.78
1500.0	12:44	243.0	11	117	8.6	8.6	8.9	8.60	11.7	46.6	.82
1505.0	12:45	373.4	12	114	8.6	8.6	8.9	8.60	11.7	50.2	.70
1510.0	12:46	321.4	11	115	8.6	8.6	8.9	8.60	11.7	51.1	.73
1520.0	12:54	267.5	11	115	8.6	8.6	8.9	8.60	11.7	47.8	.79
1525.0	12:55	321.9	13	115	8.6	8.6	8.8	8.60	11.7	44.9	.77
1530.0	12:56	281.9	15	112	8.6	8.6	8.9	8.60	11.7	41.2	.81
1535.0	12:57	257.8	14	116	8.6	8.6	8.9	8.60	11.7	40.6	.84
1540.0	12:58	204.0	12	121	8.6	8.6	8.9	8.60	11.7	42.2	.87
285											
1545.0	12:59	372.7	19	119	8.6	8.6	8.9	8.60	11.8	38.1	.80
1550.0	13: 0	305.1	13	123	8.6	8.6	8.9	8.60	11.8	44.6	.79
1560.0	13:11	309.5	12	115	8.6	8.6	8.8	8.60	11.8	46.0	.77
1565.0	13:12	350.3	15	119	8.6	8.6	8.8	8.60	11.8	42.9	.77
1570.0	13:13	271.4	11	123	8.6	8.6	8.8	8.60	11.8	47.2	.79
1575.0	13:14	264.2	12	124	8.6	8.6	8.8	8.60	11.8	44.5	.82
1580.0	13:20	267.4	12	126	8.6	8.6	8.8	8.60	11.8	44.1	.83
1590.0	13:21	404.4	12	124	8.6	8.6	8.8	8.60	11.8	49.7	.71
1595.0	13:22	254.9	10	129	8.6	8.6	8.9	8.60	11.8	50.4	.79
1600.0	13:23	273.1	12	128	8.6	8.6	8.9	8.60	11.8	46.4	.81
302											
1605.0	13:24	383.7	12	128	8.6	8.6	8.9	8.60	11.8	49.6	.73
1610.0	13:25	458.0	15	127	8.6	8.6	8.9	8.60	11.8	47.6	.71
1620.0	13:50	404.1	14	126	8.6	8.6	8.7	8.60	11.8	43.8	.75
1625.0	13:51	289.2	13	125	8.6	8.6	8.7	8.60	11.9	42.4	.82
1630.0	13:52	329.0	11	126	8.6	8.6	8.7	8.60	11.9	47.9	.76
1635.0	13:53	481.2	13	122	8.5	8.6	8.8	8.60	11.9	47.8	.69
1640.0	13:54	427.5	16	122	8.6	8.6	8.8	8.60	11.9	43.0	.74
1650.0	14: 0	486.4	13	122	8.6	8.6	8.8	8.60	11.9	50.1	.67
1655.0	14: 0	389.6	14	122	8.7	8.6	8.9	8.60	11.9	46.7	.74
1660.0	14: 1	283.0	10	122	8.6	8.6	8.9	8.60	11.9	51.5	.76
312											
1665.0	14: 2	400.0	14	122	8.6	8.6	8.9	8.60	11.9	46.8	.73
1670.0	14: 3	379.1	12	122	8.6	8.6	8.9	8.60	11.9	50.5	.72
1675.0	14: 4	317.5	10	122	8.6	8.6	8.9	8.60	11.9	54.3	.72
1680.0	14:11	294.0	12	121	8.6	8.6	8.8	8.60	11.9	46.4	.78
1690.0	14:13	362.5	16	127	8.5	8.6	8.9	8.60	11.9	41.7	.79
1695.0	14:14	398.2	18	126	8.5	8.6	8.9	8.60	11.9	39.8	.79
1710.0	14:29	389.1	17	121	8.5	8.6	8.6	8.60	12.0	38.0	.80
1715.0	14:29	391.2	17	122	8.6	8.6	8.7	8.60	12.0	38.3	.80
1720.0	14:30	376.5	17	129	8.6	8.6	8.7	8.60	12.0	37.7	.82
1725.0	14:31	346.9	17	133	8.7	8.6	8.7	8.60	12.0	36.7	.85
322											
1730.0	14:31	359.1	17	122	8.7	8.6	8.7	8.60	12.0	38.3	.81
1735.0	14:32	346.7	17	131	8.7	8.6	8.8	8.60	12.0	37.7	.84
1740.0	14:39	360.9	17	128	8.7	8.6	8.8	8.60	12.0	39.0	.82
1750.0	14:41	377.2	17	127	8.6	8.6	8.9	8.60	12.0	40.8	.79
1755.0	14:42	454.5	18	127	8.7	8.6	8.9	8.60	12.0	42.6	.75
1760.0	14:42	407.2	15	127	8.7	8.6	8.9	8.60	12.0	45.6	.75
1770.0	14:43	330.1	14	127	8.6	8.6	9.0	8.60	12.0	45.8	.78
1775.0	14:59	211.2	16	127	8.6	8.6	8.9	8.60	12.0	36.6	.93
1780.0	15: 0	212.4	19	127	8.6	8.6	8.7	8.60	12.0	29.8	.99
1785.0	15: 1	311.9	17	127	8.6	8.6	8.7	8.60	12.0	36.8	.86
335											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
335											
1790.0	15: 2	384.6	18	127	8.6	8.6	8.7	8.60	12.1	38.5	.81
1800.0	15: 3	445.0	19	127	8.6	8.6	8.8	8.60	12.1	38.7	.78
1810.0	15: 9	376.6	20	127	8.6	8.6	8.8	8.60	12.1	37.3	.82
1815.0	15:10	438.0	20	127	8.6	8.6	8.8	8.60	12.1	39.0	.78
1820.0	15:11	384.6	16	127	8.6	8.6	8.9	8.60	12.1	42.2	.78
1830.0	15:12	381.6	18	127	8.6	8.6	8.9	8.60	12.1	41.2	.79
1840.0	15:18	392.5	19	127	8.6	8.6	8.9	8.60	12.1	39.9	.80
1845.0	15:19	462.6	20	127	8.6	8.6	8.9	8.60	12.1	40.8	.76
1850.0	15:20	370.4	18	127	8.6	8.6	8.9	8.60	12.1	39.9	.81
1855.0	15:20	452.2	19	119	8.6	8.6	8.9	8.60	12.1	41.8	.74
345											
1860.0	15:21	392.1	17	126	8.6	8.6	8.9	8.60	12.1	42.2	.78
1865.0	15:27	306.3	15	129	8.6	8.6	8.9	8.60	12.1	43.0	.82
1870.0	15:28	327.9	19	126	8.6	8.6	8.9	8.60	12.1	37.8	.84
1880.0	15:29	307.4	14	123	8.6	8.6	8.9	8.60	12.2	43.8	.80
1885.0	15:29	327.0	19	126	8.6	8.6	8.9	8.60	12.2	38.0	.84
1890.0	15:30	358.5	15	132	8.6	8.6	8.9	8.60	12.2	44.3	.79
1895.0	15:31	373.4	18	132	8.6	8.6	8.9	8.60	12.2	40.1	.81
1900.0	15:40	370.2	20	132	8.6	8.6	8.8	8.60	12.2	37.2	.84
1905.0	15:41	316.9	15	134	8.6	8.6	8.8	8.60	12.2	41.4	.83
1910.0	15:42	433.6	19	128	8.6	8.6	8.8	8.60	12.2	40.5	.78
357											
1915.0	15:42	368.9	18	128	8.6	8.6	8.9	8.60	12.2	39.7	.81
1920.0	15:43	305.1	19	127	8.6	8.6	8.9	8.60	12.2	36.9	.87
1925.0	15:49	243.6	18	112	8.6	8.6	8.8	8.60	12.2	35.4	.89
1930.0	15:50	371.1	21	114	8.6	8.6	8.8	8.60	12.2	36.9	.81
1935.0	15:51	397.2	19	118	8.6	8.6	8.8	8.60	12.2	39.3	.79
1940.0	15:52	343.5	17	128	8.6	8.6	8.8	8.60	12.2	39.8	.82
1945.0	15:53	254.2	13	126	8.6	8.6	8.9	8.60	12.2	42.5	.85
1950.0	15:54	300.0	20	118	8.6	8.6	8.9	8.60	12.2	36.6	.86
1955.0	15:55	295.6	19	128	8.6	8.6	8.9	8.60	12.2	36.3	.88
1960.0	16: 0	248.2	14	122	8.6	8.6	8.9	8.60	12.2	41.1	.86
369											
1965.0	16: 1	251.0	17	108	8.6	8.6	8.8	8.60	12.2	38.3	.86
1970.0	16: 3	258.5	15	112	8.6	8.6	8.9	8.60	12.2	41.7	.83
1975.0	16: 4	185.2	14	112	8.6	8.6	8.9	8.60	12.3	39.7	.90
1980.0	16: 6	235.7	14	120	8.6	8.6	8.9	8.60	12.3	42.0	.86
1985.0	16: 8	177.9	14	128	8.6	8.6	8.9	8.60	12.3	37.9	.95
1990.0	16: 9	244.9	14	128	8.6	8.6	8.9	8.60	12.3	41.1	.87
2000.0	16:18	159.8	13	128	8.6	8.6	8.8	8.60	12.3	38.5	.96
2010.0	16:23	216.2	15	130	8.6	8.6	8.8	8.60	12.3	37.8	.94
2015.0	16:24	263.2	18	121	8.6	8.6	8.8	8.60	12.3	35.9	.90
2020.0	16:25	312.4	20	120	8.6	8.6	8.8	8.60	12.3	35.9	.87
397											
2025.0	16:30	297.5	22	123	8.6	8.6	8.8	8.60	12.3	32.5	.91
2030.0	16:31	265.8	22	123	8.6	8.6	8.8	8.60	12.3	31.6	.94
2035.0	16:32	296.5	20	123	8.6	8.6	8.8	8.60	12.3	34.9	.89
2040.0	16:33	270.9	17	123	8.6	8.6	8.8	8.60	12.3	37.3	.89
2050.0	16:35	293.8	21	123	8.6	8.6	8.9	8.60	12.3	34.5	.90
2055.0	16:36	294.5	19	123	8.6	8.6	8.9	8.60	12.3	37.5	.87
2060.0	16:41	332.6	23	112	8.7	8.6	8.9	8.60	12.3	35.4	.85
2065.0	16:42	236.2	20	120	8.6	8.6	8.9	8.60	12.3	33.6	.94
2070.0	16:43	282.5	22	120	8.6	8.6	8.9	8.60	12.4	34.0	.90
2075.0	16:44	224.7	22	120	8.6	8.6	8.9	8.60	12.4	32.1	.96
414											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
414											
2080.0	16:46	214.4	21	122	8.7	8.6	8.9	8.60	12.4	32.4	.97
2085.0	16:53	197.9	21	122	8.7	8.6	8.9	8.60	12.4	31.2	1.00
2090.0	16:55	180.2	21	126	8.8	8.6	8.9	8.60	12.4	29.7	1.03
2100.0	16:58	213.8	20	126	8.7	8.6	8.9	8.60	12.4	32.9	.98
2105.0	16:59	177.4	19	129	8.6	8.6	8.9	8.60	12.4	32.4	1.01
2110.0	17: 0	220.2	18	130	8.7	8.6	8.9	8.60	12.4	34.9	.95
2115.0	17: 7	67.9	15	146	8.7	8.6	8.9	8.60	12.4	23.0	1.29
2120.0	17:18	100.5	15	134	8.6	8.6	8.7	8.60	12.4	26.2	1.19
2125.0	17:22	97.5	15	135	8.6	8.6	8.7	8.60	12.4	27.5	1.16
2130.0	17:25	105.3	12	133	8.6	8.6	8.7	8.60	12.4	33.3	1.09
454											
2135.0	17:27	199.2	15	124	8.6	8.6	8.7	8.60	12.4	36.4	.94
2140.0	17:28	231.6	15	125	8.6	8.6	8.8	8.60	12.4	38.0	.91
2150.0	17:38	152.0	15	127	8.6	8.6	8.8	8.60	12.4	33.5	1.03
2155.0	17:39	186.1	16	127	8.7	8.6	8.8	8.60	12.4	35.1	.97
2160.0	17:41	312.4	19	119	8.7	8.6	8.8	8.60	12.4	36.1	.88
2165.0	17:42	237.6	19	117	8.8	8.6	8.8	8.60	12.5	35.3	.92
2170.0	17:43	261.6	22	125	8.7	8.6	8.8	8.60	12.5	32.7	.94
2175.0	17:44	258.5	18	133	8.6	8.6	8.9	8.60	12.5	36.7	.91
2180.0	17:51	155.0	19	128	8.6	8.6	8.8	8.60	12.5	29.4	1.07
2185.0	17:52	254.1	20	127	8.6	8.6	8.8	8.60	12.5	34.4	.93
479											
2190.0	17:53	276.9	20	128	8.6	8.6	8.9	8.60	12.5	35.0	.91
2195.0	17:54	234.1	19	129	8.6	8.6	8.9	8.60	12.5	34.2	.95
2200.0	17:55	306.0	21	128	8.6	8.6	8.9	8.60	12.5	35.5	.89
2205.0	17:57	255.7	22	128	8.6	8.6	8.9	8.60	12.5	33.2	.95
2220.0	18: 6	225.0	19	125	8.6	8.6	8.8	8.60	12.5	33.9	.96
2225.0	18: 7	283.6	17	127	8.6	8.6	8.8	8.60	12.5	38.6	.88
2230.0	18: 8	239.7	17	127	8.6	8.6	8.8	8.60	12.5	38.0	.91
2235.0	18: 9	324.9	20	124	8.6	8.6	8.9	8.60	12.5	37.6	.86
2240.0	18:10	263.2	19	127	8.6	8.6	8.9	8.60	12.5	36.7	.91
2245.0	18:18	255.4	16	125	8.6	8.6	8.8	8.60	12.5	39.6	.89
500											
2250.0	18:20	214.2	15	128	8.6	8.6	8.8	8.60	12.5	39.0	.92
2255.0	18:21	230.9	15	127	8.6	8.6	8.9	8.60	12.5	39.5	.90
2260.0	18:22	240.8	14	129	8.6	8.6	8.9	8.60	12.5	42.1	.87
2265.0	18:23	255.9	16	127	8.6	8.6	8.9	8.60	12.5	40.0	.88
2270.0	18:25	258.2	18	125	8.6	8.6	8.9	8.60	12.6	37.2	.90
2275.0	18:30	276.8	19	124	8.7	8.6	8.9	8.60	12.6	37.3	.89
2280.0	18:31	279.1	20	124	8.7	8.6	8.8	8.60	12.6	35.8	.90
2285.0	18:32	258.0	18	124	8.6	8.6	8.9	8.60	12.6	37.1	.90
2290.0	18:33	255.7	19	124	8.6	8.6	8.9	8.60	12.6	37.0	.91
2295.0	18:35	179.3	16	128	8.6	8.6	8.9	8.60	12.6	37.0	.97
524											
2300.0	18:36	193.2	15	129	8.6	8.6	8.9	8.60	12.6	40.8	.93
2310.0	18:45	200.1	16	124	8.6	8.6	8.9	8.60	12.6	37.8	.94
2315.0	18:46	270.7	18	117	8.7	8.6	8.9	8.60	12.6	38.5	.88
2320.0	18:48	266.5	17	119	8.6	8.6	8.9	8.60	12.6	40.0	.87
2325.0	18:49	171.6	16	126	8.6	8.6	8.9	8.60	12.6	36.6	.98
2330.0	18:51	163.5	16	127	8.6	8.6	8.9	8.60	12.6	35.3	1.00
2335.0	18:53	208.6	18	125	8.6	8.6	8.9	8.60	12.6	35.8	.96
2340.0	18:59	188.6	12	123	8.7	8.6	8.9	8.60	12.6	43.8	.90
2350.0	19: 1	194.8	12	127	8.6	8.6	8.9	8.60	12.6	43.9	.90
2355.0	19: 3	219.6	12	131	8.7	8.6	8.9	8.60	12.6	45.5	.87
555											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	555										
2360.0	19: 4	237.0	12	126	8.7	8.6	8.9	8.60	12.6	47.1	.84
2365.0	19: 6	263.9	10	127	8.7	8.6	8.9	8.60	12.6	53.1	.78
2370.0	19:15	221.4	14	116	8.7	8.6	8.9	8.60	12.7	42.4	.87
2375.0	19:17	172.7	17	116	8.7	8.6	8.9	8.60	12.7	36.0	.97
2380.0	19:18	204.2	17	119	8.6	8.6	8.9	8.60	12.7	37.2	.94
2385.0	19:20	178.5	19	120	8.6	8.6	8.9	8.60	12.7	33.9	.99
2390.0	19:21	187.7	19	121	8.6	8.6	8.9	8.60	12.7	34.0	.99
2395.0	19:23	179.6	19	121	8.6	8.6	8.9	8.60	12.7	33.4	1.00
2400.0	19:30	214.4	19	123	8.6	8.6	8.9	8.60	12.7	34.5	.96
2405.0	19:31	242.6	19	129	8.6	8.6	8.8	8.60	12.7	35.3	.94
	578										
2410.0	19:32	209.4	21	128	8.6	8.6	8.8	8.60	12.7	31.8	1.00
2415.0	19:34	224.2	19	131	8.6	8.6	8.8	8.60	12.7	34.5	.97
2420.0	19:35	173.8	20	132	8.6	8.6	8.9	8.60	12.7	30.4	1.06
2425.0	19:37	174.9	19	132	8.6	8.6	8.8	8.60	12.7	32.3	1.03
2430.0	19:43	170.1	17	134	8.6	8.6	8.8	8.60	12.7	34.1	1.02
2435.0	19:44	202.9	14	128	8.7	8.6	8.8	8.60	12.7	39.7	.93
2440.0	19:45	233.5	12	126	8.7	8.6	8.8	8.60	12.7	45.4	.86
2450.0	19:48	217.2	13	124	8.7	8.6	8.9	8.60	12.7	44.3	.87
2455.0	19:49	281.2	14	124	8.6	8.6	8.9	8.60	12.7	45.3	.82
2460.0	19:55	229.2	13	126	8.7	8.6	8.9	8.60	12.7	44.6	.86
	607										
2465.0	19:56	206.4	18	125	8.7	8.6	8.8	8.60	12.7	35.3	.97
2470.0	19:58	213.7	18	120	8.6	8.6	8.8	8.60	12.7	37.1	.94
2475.0	19:59	255.9	21	118	8.8	8.6	8.9	8.60	12.7	35.6	.92
2480.0	20: 0	233.4	19	126	8.7	8.6	8.9	8.60	12.7	37.1	.93
2485.0	20: 1	278.6	22	124	8.7	8.6	9.0	8.60	12.8	36.1	.91
2490.0	20: 2	314.6	21	123	8.7	8.6	9.0	8.60	12.8	39.3	.85
2495.0	20: 6	350.7	21	122	8.8	8.6	8.9	8.60	12.8	39.8	.83
2500.0	20: 8	243.7	21	122	8.6	8.6	9.0	8.60	12.8	35.8	.93
2505.0	20: 9	191.8	22	121	8.7	8.6	9.0	8.60	12.8	32.0	1.01
2510.0	20:11	179.9	21	127	8.7	8.6	8.9	8.60	12.8	32.1	1.03
	625										
2515.0	20:12	206.7	20	127	8.7	8.6	8.9	8.60	12.8	34.1	.98
2520.0	20:14	223.3	20	127	8.7	8.6	9.0	8.60	12.8	36.1	.95
2525.0	20:15	295.2	19	130	8.6	8.6	9.0	8.60	12.8	40.2	.87
2530.0	20:23	192.3	21	125	8.7	8.6	8.9	8.60	12.8	32.5	1.01
2540.0	20:26	173.2	23	123	8.7	8.6	8.9	8.60	12.8	29.7	1.06
2545.0	20:28	174.0	25	121	8.6	8.6	8.9	8.60	12.8	27.9	1.08
2550.0	20:34	162.0	23	127	8.7	8.6	8.9	8.60	12.8	28.1	1.10
2560.0	20:36	293.4	23	132	8.7	8.6	8.9	8.60	12.8	33.8	.95
2565.0	20:38	163.7	23	131	8.7	8.6	8.9	8.60	12.8	28.3	1.10
2570.0	20:40	168.9	21	134	8.7	8.6	8.9	8.60	12.8	31.3	1.06
	659										
2575.0	20:41	227.9	26	130	8.7	8.6	8.9	8.60	12.8	29.5	1.04
2580.0	20:43	162.4	25	131	8.7	8.6	9.0	8.60	12.8	27.5	1.11
2590.0	20:53	159.7	24	121	8.7	8.6	8.9	8.60	12.8	28.3	1.09
2595.0	20:55	157.9	23	110	8.7	8.6	8.9	8.60	12.9	29.4	1.06
2600.0	20:57	145.7	23	112	8.7	8.6	8.9	8.60	12.9	29.2	1.08
2605.0	20:59	124.4	21	118	8.7	8.6	8.9	8.60	12.9	28.4	1.12
2610.0	21: 1	143.2	23	126	8.7	8.6	8.9	8.60	12.9	27.0	1.13
2615.0	21: 3	140.7	23	127	8.7	8.6	8.9	8.60	12.9	27.3	1.13
2620.0	21: 9	134.6	21	128	8.7	8.6	8.9	8.60	12.9	28.2	1.13
2625.0	21:12	151.4	21	124	8.8	8.6	8.9	8.60	12.9	29.7	1.10
	694										

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
694											
2630.0	21:14	108.2	21	124	8.7	8.6	8.9	8.60	12.9	27.0	1.17
2635.0	21:17	124.5	23	124	8.7	8.6	8.9	8.60	12.9	26.4	1.16
2640.0	21:19	124.1	24	122	8.7	8.6	8.9	8.60	12.9	25.2	1.17
2645.0	21:22	118.0	26	122	8.7	8.6	8.9	8.60	12.9	23.8	1.20
2650.0	21:25	107.9	24	123	8.7	8.6	8.9	8.60	12.9	23.8	1.21
2655.0	21:33	108.0	22	121	8.7	8.6	8.9	8.60	12.9	26.2	1.17
2660.0	21:36	127.6	24	125	8.7	8.6	8.9	8.60	12.9	25.6	1.17
2665.0	21:38	129.4	22	132	8.7	8.6	8.9	8.60	12.9	26.8	1.16
2670.0	21:40	143.4	23	132	8.6	8.6	8.9	8.60	12.9	27.2	1.14
2675.0	21:42	144.8	23	128	8.6	8.6	8.9	8.60	12.9	27.4	1.13
740											
2685.0	21:53	157.5	21	128	8.6	8.6	8.8	8.60	12.9	29.3	1.10
2690.0	21:55	138.9	22	128	8.6	8.6	8.8	8.60	12.9	27.5	1.14
2695.0	21:57	190.1	26	126	8.6	8.6	8.8	8.60	12.9	26.9	1.10
2700.0	21:59	135.8	24	131	8.6	8.6	8.8	8.60	12.9	25.0	1.18
2705.0	22: 1	132.2	21	132	8.6	8.6	8.8	8.60	12.9	27.2	1.16
2710.0	22: 7	205.6	19	133	8.6	8.6	8.7	8.60	13.0	33.8	1.01
2720.0	22: 9	198.9	22	125	8.6	8.6	8.8	8.60	13.0	30.9	1.05
2725.0	22:12	123.0	21	128	8.6	8.6	8.8	8.60	13.0	27.9	1.15
2730.0	22:14	154.5	23	124	8.6	8.6	8.8	8.60	13.0	28.0	1.12
2735.0	22:17	120.6	21	125	8.6	8.6	8.8	8.60	13.0	27.7	1.15
783											
2740.0	22:19	136.1	21	126	8.6	8.6	8.8	8.60	13.0	29.0	1.12
2745.0	22:26	130.7	17	125	8.6	8.6	8.8	8.60	13.0	32.0	1.09
2750.0	22:29	110.6	16	126	8.6	8.6	8.8	8.60	13.0	31.9	1.11
2755.0	22:32	102.1	18	131	8.6	8.6	8.8	8.60	13.0	29.1	1.16
2760.0	22:34	149.3	25	125	8.6	8.6	8.8	8.60	13.0	26.1	1.14
2765.0	22:36	125.8	25	124	8.6	8.6	8.8	8.60	13.0	23.9	1.20
2770.0	22:39	108.2	23	126	8.6	8.6	8.8	8.60	13.0	23.8	1.23
2775.0	22:47	159.1	23	126	8.6	8.6	8.8	8.60	13.0	27.5	1.13
2780.0	22:49	131.6	22	129	8.7	8.6	8.8	8.60	13.0	27.5	1.15
2785.0	22:52	113.5	24	129	8.7	8.6	8.8	8.60	13.0	24.4	1.22
826											
2790.0	22:55	120.2	25	131	8.7	8.6	8.8	8.60	13.0	24.1	1.22
2795.0	22:57	128.2	27	130	8.7	8.6	8.8	8.60	13.0	22.9	1.23
2800.0	22:59	126.6	27	132	8.7	8.6	8.9	8.60	13.0	23.5	1.22
2810.0	23: 6	130.1	24	129	8.7	8.6	8.9	8.60	13.0	26.0	1.18
2815.0	23: 8	131.2	25	126	8.7	8.6	8.9	8.60	13.0	26.0	1.17
2820.0	23:10	134.0	26	126	8.7	8.6	8.9	8.60	13.0	25.7	1.17
2825.0	23:13	133.0	24	128	8.7	8.6	8.9	8.60	13.0	27.3	1.15
2830.0	23:15	135.5	25	129	8.7	8.6	8.9	8.60	13.1	26.9	1.16
2835.0	23:17	133.2	24	130	8.6	8.6	9.0	8.60	13.1	27.2	1.16
2840.0	23:23	137.2	24	128	8.6	8.6	8.9	8.60	13.1	27.0	1.16
873											
2845.0	23:25	133.5	23	142	8.6	8.6	8.9	8.60	13.1	26.5	1.19
2850.0	23:27	149.9	25	142	8.6	8.6	8.9	8.60	13.1	26.5	1.17
2860.0	23:31	152.1	26	140	8.6	8.6	8.9	8.60	13.1	26.2	1.17
2865.0	23:33	125.7	23	143	8.6	8.6	8.8	8.60	13.1	26.1	1.20
2870.0	23:40	106.8	20	137	8.6	8.6	8.8	8.60	13.1	27.6	1.20
2875.0	23:46	45.3	9	138	8.6	8.6	8.8	8.60	13.1	36.2	1.21
2880.0	23:51	80.6	15	133	8.6	8.6	8.7	8.60	13.1	29.7	1.21
2885.0	23:52	113.8	17	133	8.7	8.6	8.7	8.60	13.1	31.5	1.13
2890.0	0: 3	99.5	17	132	8.8	8.6	8.8	8.60	13.1	30.0	1.17
2895.0	0: 3	112.9	16	132	8.8	8.6	8.8	8.60	13.1	32.8	1.11
913											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
	913										
2900.0	0: 4	129.5	17	132	8.7	8.6	8.8	8.60	13.1	33.1	1.09
2905.0	0: 4	78.9	18	132	8.7	8.6	8.8	8.60	13.1	26.9	1.24
2911.0	0: 5	98.5	18	132	8.7	8.6	8.8	8.60	13.1	29.9	1.17
				NEW BIT ID: 3							
2915.0	36:24	57.7	10	70	9.0	9.0	9.1	8.60	13.1	58.8	1.02
2920.0	36:24	56.0	21	77	9.0	9.0	9.1	8.60	13.1	16.5	1.33
2925.0	0:14	64.0	5	123	9.0	9.0	9.2	8.60	13.1	51.6	1.02
2930.0	0:15	60.0	8	125	9.0	9.0	9.2	8.60	13.1	32.8	1.15
2935.0	0:17	24.4	9	126	9.0	9.0	9.2	8.60	13.1	22.8	1.39
2940.0	0:21	108.5	16	121	9.0	9.0	9.3	8.60	13.1	29.7	1.18
2945.0	0:27	75.6	13	124	9.0	9.0	9.3	8.60	13.1	28.8	1.24
	938										
2950.0	0:30	115.4	20	119	9.0	9.0	9.3	8.60	13.1	23.3	1.24
2955.0	0:34	96.0	15	123	9.0	9.0	9.3	8.60	13.2	25.6	1.23
2960.0	0:38	80.8	16	121	9.0	9.0	9.2	8.60	13.2	24.8	1.24
2965.0	0:49	110.0	17	116	9.0	9.0	9.2	8.60	13.2	24.5	1.21
2970.0	0:53	93.4	19	123	9.0	9.0	9.1	8.60	13.2	19.8	1.29
2975.0	0:56	96.7	20	122	9.0	9.0	9.1	8.60	13.2	19.7	1.29
2980.0	0:59	103.3	24	121	9.0	9.0	9.2	8.60	13.2	16.3	1.36
2985.0	1: 1	146.8	22	125	9.0	9.0	9.2	8.60	13.2	23.6	1.20
2990.0	1: 3	171.0	23	124	9.0	9.0	9.3	8.60	13.2	24.7	1.16
2995.0	1:17	179.5	21	111	9.0	9.0	9.3	8.60	13.2	26.6	1.12
	980										
3000.0	1:20	119.3	24	118	9.0	9.0	9.2	8.60	13.2	18.4	1.29
3005.0	1:23	113.1	25	119	9.0	9.0	9.2	8.60	13.2	18.0	1.30
3010.0	1:27	87.1	24	120	9.0	9.0	9.2	8.60	13.2	15.6	1.39
3015.0	1:31	68.7	24	119	9.0	9.0	9.2	8.60	13.2	13.4	1.45
3020.0	1:35	84.0	25	118	9.0	9.0	9.2	8.60	13.2	15.2	1.39
3025.0	1:37	121.6	23	120	9.0	9.0	9.3	8.60	13.2	20.6	1.25
3030.0	1:40	131.9	25	119	9.0	9.0	9.3	8.60	13.2	20.1	1.25
3035.0	1:42	129.6	26	116	9.0	9.0	9.3	8.60	13.2	18.8	1.28
3040.0	1:55	100.2	23	112	9.0	9.0	9.2	8.60	13.2	18.9	1.30
3045.0	2: 0	85.4	25	111	9.0	9.0	9.2	8.60	13.2	15.4	1.39
	1027										
3050.0	2: 2	120.9	26	113	9.0	9.0	9.2	8.60	13.2	18.4	1.29
3055.0	2: 5	114.4	26	116	9.0	9.0	9.2	8.60	13.2	17.2	1.33
3060.0	2:22	267.7	25	108	9.0	9.0	9.2	8.60	13.2	27.6	1.01
3065.0	2:24	152.0	26	114	9.0	9.0	9.2	8.60	13.2	20.9	1.22
3070.0	2:27	144.4	26	111	9.0	9.0	9.2	8.60	13.2	19.7	1.25
3075.0	2:29	128.7	25	115	9.0	9.0	9.2	8.60	13.2	19.4	1.27
3080.0	2:31	132.1	28	114	9.0	9.0	9.2	8.60	13.2	18.6	1.28
3085.0	2:34	116.3	28	115	9.0	9.0	9.2	8.60	13.3	17.1	1.33
3090.0	2:43	177.4	23	112	9.0	9.0	9.2	8.60	13.3	25.4	1.13
3095.0	2:45	121.0	27	115	9.0	9.0	9.3	8.60	13.3	18.2	1.31
	1065										
3100.0	2:48	114.8	28	118	9.0	9.0	9.3	8.60	13.3	16.6	1.35
3105.0	2:52	91.3	29	117	9.0	9.0	9.3	8.60	13.3	13.9	1.43
3110.0	2:56	89.1	30	115	9.0	9.0	9.3	8.60	13.3	12.7	1.46
3115.0	3: 0	77.1	31	117	9.0	9.0	9.2	8.60	13.3	11.4	1.50
3120.0	3: 3	109.5	30	115	9.0	9.0	9.2	8.60	13.3	15.2	1.39
3125.0	3:14	96.2	27	118	9.0	9.0	9.3	8.60	13.3	16.8	1.39
3130.0	3:17	86.8	29	123	9.0	9.0	9.3	8.60	13.3	14.6	1.46

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1097											
3135.0	3:20	96.0	29	125	9.0	9.0	9.3	8.60	13.3	15.1	1.44
3140.0	3:23	112.2	30	124	9.0	9.0	9.3	8.60	13.3	16.5	1.40
3145.0	3:26	115.4	32	122	9.1	9.0	9.3	8.60	13.3	15.9	1.40
3150.0	3:28	117.8	30	124	9.0	9.0	9.3	8.60	13.3	17.2	1.38
3155.0	3:38	125.1	22	111	9.1	9.0	9.3	8.60	13.3	25.4	1.20
3160.0	3:40	126.2	30	121	9.0	9.0	9.3	8.60	13.3	18.2	1.34
3165.0	3:42	197.2	31	122	9.0	9.0	9.3	8.60	13.3	22.4	1.21
3170.0	3:44	140.9	33	121	9.0	9.0	9.3	8.60	13.3	18.0	1.34
3175.0	3:45	226.3	32	120	9.0	9.0	9.3	8.60	13.3	21.9	1.22
3180.0	3:47	184.5	31	122	9.0	9.0	9.3	8.60	13.3	21.3	1.24
1131											
3185.0	3:55	169.6	27	115	9.0	9.0	9.4	8.60	13.3	24.1	1.19
3190.0	3:57	195.1	30	116	9.0	9.0	9.4	8.60	13.3	23.9	1.18
3195.0	4: 0	112.6	31	116	9.1	9.0	9.4	8.60	13.3	16.5	1.41
3200.0	4: 2	151.0	31	115	9.0	9.0	9.4	8.60	13.3	20.6	1.28
3205.0	4: 4	173.9	29	116	9.1	9.0	9.4	8.60	13.3	22.9	1.22
3210.0	4: 6	152.8	29	117	9.1	9.0	9.4	8.60	13.3	21.2	1.27
3215.0	4:14	223.4	26	108	9.1	9.0	9.4	8.60	13.4	29.1	1.07
3220.0	4:17	107.8	31	118	9.1	9.0	9.3	8.60	13.4	15.7	1.44
3225.0	4:20	120.6	32	118	9.0	9.0	9.3	8.60	13.4	17.3	1.38
3230.0	4:23	104.7	33	118	9.1	9.0	9.3	8.60	13.4	14.8	1.46
1170											
3235.0	4:26	96.7	33	119	9.1	9.0	9.3	8.60	13.4	14.7	1.47
3240.0	4:30	109.4	32	121	9.1	9.0	9.4	8.60	13.4	15.9	1.44
3245.0	4:39	85.7	33	117	9.1	9.0	9.4	8.60	13.4	13.6	1.51
3250.0	4:42	94.7	31	123	9.1	9.0	9.4	8.60	13.4	15.0	1.47
3255.0	4:45	99.2	34	122	9.1	9.0	9.4	8.60	13.4	14.7	1.47
3260.0	4:49	107.6	33	122	9.1	9.0	9.4	8.60	13.4	15.4	1.46
3265.0	4:52	93.6	33	112	9.1	9.0	9.4	8.60	13.4	15.3	1.45
3270.0	4:57	72.3	32	111	9.1	9.0	9.4	8.60	13.4	13.5	1.52
3275.0	4:58	56.4	30	111	9.1	9.0	9.4	8.60	13.4	12.2	1.57
3280.0	5: 7	49.4	29	99	9.1	9.0	9.4	8.60	13.4	13.1	1.55
1208											
3285.0	5:11	83.4	31	121	9.1	9.0	9.4	8.60	13.4	15.0	1.48
3290.0	5:14	84.9	33	112	9.1	9.0	9.4	8.60	13.4	14.1	1.49
3295.0	5:19	72.6	33	111	9.1	9.0	9.4	8.60	13.4	12.1	1.56
3300.0	5:23	85.8	31	110	9.1	9.0	9.4	8.60	13.4	14.9	1.48
3305.0	5:27	88.0	32	109	9.2	9.0	9.4	8.60	13.4	14.7	1.48
3310.0	5:40	73.3	31	108	9.2	9.0	9.4	8.60	13.4	14.2	1.50
3315.0	5:45	68.2	31	112	9.2	9.0	9.4	8.60	13.4	13.8	1.52
3320.0	5:49	81.2	32	111	9.2	9.0	9.4	8.60	13.4	15.4	1.47
3325.0	5:53	69.3	30	112	9.2	9.0	9.5	8.60	13.4	14.5	1.50
3330.0	5:57	96.4	30	112	9.2	9.0	9.5	8.60	13.4	17.2	1.43
1254											
3335.0	6: 9	79.2	28	78	9.1	9.0	9.5	8.60	13.4	23.9	1.27
3340.0	6:14	55.7	32	90	9.1	9.0	9.4	8.60	13.4	14.6	1.53
3345.0	6:28	68.3	26	89	9.0	9.0	9.3	8.60	13.4	19.7	1.39
3350.0	6:34	53.7	26	94	9.1	9.0	9.3	8.60	13.4	16.5	1.49
3355.0	6:39	64.7	28	95	9.1	9.0	9.3	8.60	13.5	17.3	1.46
3360.0	6:44	76.4	29	95	9.1	9.0	9.3	8.60	13.5	17.2	1.45
3365.0	6:49	83.6	26	96	9.1	9.0	9.3	8.60	13.5	20.0	1.39
3370.0	6:58	97.6	28	103	9.1	9.0	9.3	8.60	13.5	18.0	1.44
3375.0	7: 1	114.5	29	107	9.1	9.0	9.3	8.60	13.5	19.5	1.39
3380.0	7: 6	79.0	30	106	9.1	9.0	9.4	8.60	13.5	16.9	1.47
1299											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1239											
3385.0	7:10	71.2	33	106	9.1	9.0	9.4	8.60	13.5	14.4	1.54
3390.0	7:14	92.0	33	107	9.1	9.0	9.4	8.60	13.5	16.3	1.48
3395.0	7:19	62.6	33	107	9.1	9.0	9.4	8.60	13.5	13.2	1.58
3400.0	7:26	57.5	28	107	9.1	9.0	9.4	8.60	13.5	15.8	1.53
3405.0	7:36	91.2	32	103	9.1	9.0	9.4	8.60	13.5	17.9	1.43
3410.0	7:41	65.6	31	106	9.1	9.0	9.4	8.60	13.5	14.9	1.54
3415.0	7:46	65.5	31	106	9.1	9.0	9.4	8.60	13.5	14.5	1.55
3420.0	7:52	48.5	31	107	9.1	9.0	9.4	8.60	13.5	11.9	1.64
3425.0	7:57	59.3	33	106	9.1	9.0	9.4	8.60	13.5	13.3	1.59
3430.0	8: 1	83.7	32	108	9.1	9.0	9.4	8.60	13.5	16.9	1.47
1345											
3435.0	8:10	60.6	31	108	9.1	9.0	9.4	8.60	13.5	14.0	1.57
3440.0	8:15	69.9	32	108	9.1	9.0	9.4	8.60	13.5	15.7	1.52
3445.0	8:20	60.9	34	107	9.1	9.0	9.4	8.60	13.5	12.9	1.60
3450.0	8:24	72.4	36	107	9.1	9.0	9.4	8.60	13.5	13.8	1.56
3455.0	8:29	60.0	34	108	9.1	9.0	9.4	8.60	13.5	12.6	1.61
3460.0	8:33	86.4	38	108	9.1	9.0	9.4	8.60	13.5	14.0	1.55
3465.0	8:43	72.3	37	122	9.1	9.0	9.4	8.60	13.5	12.2	1.62
3470.0	8:44	118.8	40	114	9.1	9.0	9.4	8.60	13.5	15.3	1.49
3475.0	8:48	96.6	38	130	9.1	9.0	9.4	8.60	13.5	13.7	1.58
3480.0	8:51	91.3	38	131	9.1	9.0	9.4	8.60	13.5	13.6	1.58
1387											
3485.0	8:54	104.9	39	134	9.1	9.0	9.4	8.60	13.5	14.7	1.55
3490.0	8:57	125.9	40	133	9.1	9.0	9.4	8.60	13.5	15.4	1.52
3495.0	9: 0	83.1	39	133	9.1	9.0	9.4	8.60	13.5	12.2	1.64
3500.0	9:10	92.7	37	126	9.1	9.0	9.4	8.60	13.6	14.9	1.54
3505.0	9:12	109.9	39	126	9.1	9.0	9.4	8.60	13.6	15.4	1.52
3510.0	9:16	84.4	38	127	9.1	9.0	9.4	8.60	13.6	12.6	1.62
3515.0	9:19	115.8	39	126	9.1	9.0	9.4	8.60	13.6	15.0	1.53
3520.0	9:22	123.5	40	127	9.1	9.0	9.4	8.60	13.6	15.7	1.51
3525.0	9:26	80.8	41	126	9.1	9.0	9.4	8.60	13.6	11.3	1.66
3530.0	9:34	85.8	40	114	9.1	9.0	9.4	8.60	13.6	13.7	1.57
1429											
3535.0	9:39	79.6	40	111	9.1	9.0	9.4	8.60	13.6	11.7	1.64
3540.0	9:42	115.9	40	124	9.1	9.0	9.4	8.60	13.6	14.9	1.54
3545.0	9:46	110.9	40	127	9.1	9.0	9.4	8.60	13.6	14.6	1.55
3550.0	9:48	90.9	40	127	9.1	9.0	9.4	8.60	13.6	13.2	1.60
3555.0	9:52	82.7	40	127	9.1	9.0	9.4	8.60	13.6	12.5	1.63
3560.0	9:55	94.3	41	127	9.1	9.0	9.4	8.60	13.6	13.0	1.61
3565.0	10: 5	96.3	36	120	9.1	9.0	9.4	8.60	13.6	15.6	1.53
3570.0	10: 9	94.8	39	124	9.1	9.0	9.4	8.60	13.6	14.1	1.58
3575.0	10:11	151.4	40	130	9.1	9.0	9.4	8.60	13.6	16.7	1.48
3580.0	10:15	96.5	40	131	9.1	9.0	9.4	8.60	13.6	13.4	1.60
1476											
3585.0	10:18	113.7	37	133	9.1	9.0	9.4	8.60	13.6	16.3	1.52
3590.0	10:22	89.7	42	131	9.1	9.0	9.4	8.60	13.6	12.0	1.65
3595.0	10:33	88.8	40	118	9.1	9.0	9.4	8.60	13.6	13.7	1.59
3600.0	10:35	99.0	42	124	9.1	9.0	9.4	8.60	13.6	13.0	1.61
3605.0	10:38	130.9	42	124	9.1	9.0	9.4	8.60	13.6	16.0	1.50
3610.0	10:41	106.2	41	125	9.1	9.0	9.4	8.60	13.6	14.2	1.57
3615.0	10:46	75.2	42	124	9.1	9.0	9.4	8.60	13.6	10.5	1.70
3620.0	10:49	104.9	41	125	9.1	9.0	9.4	8.60	13.6	13.8	1.59
3625.0	11: 4	60.4	34	122	9.1	9.0	9.4	8.60	13.6	11.8	1.68
3630.0	11: 5	164.5	42	111	9.1	9.0	9.4	8.60	13.6	19.8	1.36
1514											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1514											
3635.0	11: 7	75.0	39	131	9.1	9.0	9.4	8.60	13.6	11.8	1.68
3640.0	11: 9	112.0	39	133	9.1	9.0	9.4	8.60	13.6	15.9	1.53
3645.0	11:12	107.0	42	132	9.1	9.0	9.4	8.60	13.6	14.5	1.57
3650.0	11:16	98.0	42	132	9.1	9.0	9.4	8.60	13.6	13.7	1.61
3655.0	11:18	97.0	41	133	9.1	9.0	9.4	8.60	13.7	14.2	1.59
3660.0	11:19	84.0	44	131	9.1	9.0	9.4	8.60	13.7	11.9	1.68
3665.0	11:20	169.0	43	131	9.1	9.0	9.4	8.60	13.7	19.2	1.41
3670.0	11:21	121.0	41	132	9.1	9.0	9.5	8.60	13.7	16.7	1.51
3675.0	11:22	94.0	40	132	9.1	9.0	9.5	8.60	13.7	14.7	1.59
3680.0	11:23	116.0	39	133	9.1	9.0	9.5	8.60	13.7	17.2	1.50
1526											
3685.0	11:24	88.0	40	132	9.1	9.0	9.5	8.60	13.7	14.0	1.61
3690.0	11:37	116.3	38	121	9.1	9.0	9.4	8.60	13.7	18.2	1.46
3695.0	11:43	58.0	36	117	9.1	9.0	9.4	8.60	13.7	11.1	1.71
3700.0	11:47	117.7	37	117	9.1	9.0	9.4	8.60	13.7	16.4	1.52
3705.0	11:51	69.2	38	117	9.1	9.0	9.4	8.60	13.7	13.0	1.64
3710.0	11:55	87.3	38	118	9.1	9.0	9.4	8.60	13.7	14.3	1.59
3715.0	12: 1	61.9	37	118	9.1	9.0	9.4	8.60	13.7	12.0	1.68
3720.0	12:11	70.1	38	108	9.1	9.0	9.4	8.60	13.7	13.2	1.63
3725.0	12:16	67.4	40	118	9.1	9.0	9.4	8.60	13.7	11.5	1.69
3730.0	12:20	81.9	40	123	9.1	9.0	9.4	8.60	13.7	13.4	1.63
1567											
3735.0	12:23	112.3	40	124	9.1	9.0	9.4	8.60	13.7	15.6	1.55
3740.0	12:28	68.3	39	124	9.2	9.1	9.4	8.60	13.7	11.6	1.70
3745.0	12:32	72.8	37	124	9.2	9.1	9.4	8.60	13.7	13.5	1.64
3750.0	12:41	67.0	39	121	9.2	9.1	9.5	8.60	13.7	12.7	1.66
3755.0	12:45	99.0	40	118	9.2	9.1	9.5	8.60	13.7	15.5	1.56
3760.0	12:50	65.0	38	118	9.2	9.1	9.5	8.60	13.7	12.6	1.67
3765.0	12:53	90.4	39	118	9.2	9.1	9.5	8.60	13.7	15.2	1.57
3770.0	12:58	77.6	38	113	9.2	9.1	9.5	8.60	13.7	14.0	1.62
3775.0	13: 2	78.6	38	114	9.2	9.1	9.5	8.60	13.7	15.2	1.58
3780.0	13:14	69.3	38	115	9.2	9.1	9.5	8.60	13.7	13.8	1.63
1612											
3785.0	13:17	80.3	40	120	9.2	9.1	9.5	8.60	13.7	14.0	1.62
3790.0	13:21	94.7	41	120	9.2	9.1	9.5	8.60	13.7	14.1	1.61
3795.0	13:24	100.0	41	120	9.2	9.1	9.5	8.60	13.7	14.7	1.59
3800.0	13:28	83.1	41	120	9.2	9.1	9.5	8.60	13.7	14.1	1.61
3805.0	13:32	75.2	40	119	9.2	9.1	9.5	8.60	13.7	13.7	1.63
3810.0	13:35	107.2	41	119	9.2	9.1	9.5	8.60	13.7	16.6	1.53
3815.0	13:49	89.3	35	120	9.2	9.1	9.5	8.60	13.8	17.2	1.53
3820.0	13:53	108.4	31	134	9.2	9.1	9.5	8.60	13.8	20.3	1.45
3825.0	13:56	98.3	30	136	9.2	9.1	9.5	8.60	13.8	20.5	1.46
3830.0	14: 0	85.5	36	133	9.2	9.1	9.5	8.60	13.8	15.7	1.59
1656											
3835.0	14: 4	71.7	39	122	9.2	9.1	9.5	8.60	13.8	13.3	1.66
3840.0	14:16	67.4	38	111	9.2	9.1	9.5	8.60	13.8	14.1	1.62
3845.0	14:21	62.5	40	119	9.1	9.0	9.5	8.60	13.8	11.8	1.71
3850.0	14:25	84.3	38	122	9.0	9.0	9.4	8.60	13.8	15.1	1.59
3855.0	14:28	86.5	38	121	9.0	9.0	9.4	8.60	13.8	14.7	1.60
3860.0	14:33	68.8	39	123	9.0	9.0	9.4	8.60	13.8	12.3	1.69
3865.0	14:37	105.0	39	123	9.0	9.0	9.3	8.60	13.8	15.6	1.57
3870.0	14:48	67.7	38	113	9.0	9.0	9.3	8.60	13.8	13.1	1.66
3875.0	14:49	83.0	39	120	9.1	9.0	9.3	8.60	13.8	14.7	1.60
3880.0	14:52	85.1	40	117	9.0	9.0	9.4	8.60	13.8	14.6	1.60
1698											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1698											
3885.0	14:56	111.1	40	120	9.1	9.0	9.4	8.60	13.8	15.9	1.55
3890.0	15: 1	71.7	40	121	9.0	9.0	9.4	8.60	13.8	12.3	1.69
3895.0	15: 5	83.6	40	122	9.0	9.0	9.4	8.60	13.8	14.0	1.63
3900.0	15: 9	77.1	40	122	9.1	9.0	9.3	8.60	13.8	13.3	1.66
3905.0	15:13	65.2	39	123	9.1	9.0	9.3	8.60	13.8	12.0	1.71
3910.0	15:24	79.5	38	107	9.1	9.0	9.4	8.60	13.8	15.0	1.59
3915.0	15:27	86.4	41	122	9.1	8.9	9.4	8.60	13.8	14.0	1.63
3920.0	15:31	96.4	41	128	9.1	8.9	9.4	8.60	13.8	14.6	1.62
3925.0	15:36	79.1	41	129	9.1	8.9	9.4	8.60	13.8	12.2	1.71
3930.0	15:40	64.8	42	130	9.1	8.9	9.4	8.60	13.8	10.8	1.76
1738											
3935.0	15:44	90.8	41	130	9.1	8.9	9.4	8.60	13.8	13.8	1.65
3940.0	16:27	100.9	38	115	9.0	8.9	9.2	8.60	13.8	15.9	1.56
3945.0	16:30	106.1	37	123	8.9	8.9	9.2	8.60	13.8	17.0	1.53
3950.0	16:33	96.2	37	124	8.9	8.9	9.2	8.60	13.8	15.5	1.59
3955.0	16:36	91.4	37	124	8.9	8.9	9.2	8.60	13.8	16.0	1.57
3960.0	16:40	85.0	37	124	9.0	8.9	9.2	8.60	13.8	15.3	1.60
3965.0	16:44	69.6	36	124	9.0	8.9	9.2	8.60	13.8	13.7	1.66
3970.0	17: 0	57.2	36	118	9.0	8.9	9.3	8.60	13.8	10.8	1.76
3975.0	17: 4	87.1	36	126	9.1	8.9	9.3	8.60	13.8	16.1	1.58
3980.0	17: 7	95.5	35	126	9.0	8.9	9.3	8.60	13.8	17.7	1.53
1776											
3985.0	17: 9	29.7	36	125	9.1	8.9	9.3	8.60	13.9	6.1	1.95
3990.0	17:18	60.5	37	125	9.1	8.9	9.3	8.60	13.9	13.0	1.70
3995.0	17:27	63.0	34	123	9.0	8.8	9.3	8.60	13.9	14.3	1.65
4000.0	17:35	41.0	31	123	9.0	8.8	9.2	8.60	13.9	11.7	1.76
4010.0	17:46	55.2	34	123	9.0	8.8	9.2	8.60	13.9	12.9	1.71
4015.0	17:49	61.7	35	123	9.0	8.8	9.2	8.60	13.9	13.5	1.68
4020.0	17:50	59.5	36	123	9.0	8.8	9.3	8.60	13.9	12.9	1.70
4025.0	17:59	45.1	37	123	9.0	8.8	9.3	8.60	13.9	9.8	1.82
4030.0	18: 9	57.6	32	123	9.0	8.8	9.3	8.60	13.9	15.1	1.64
4035.0	18:25	24.0	38	123	9.0	8.8	9.3	8.60	13.9	11.8	1.38
1791											
4040.0	18:30	24.0	38	123	8.9	8.8	9.2	8.60	13.9	13.0	1.70
4045.0	18:34	69.6	39	123	8.9	8.8	9.2	8.60	13.9	12.6	1.71
4050.0	18:38	77.4	38	124	8.9	8.7	9.2	8.60	13.9	13.9	1.66
4055.0	18:41	85.6	38	123	8.9	8.7	9.2	8.60	14.0	15.0	1.62
4060.0	18:49	117.0	35	47	8.8	8.7	9.1	8.60	14.0	27.4	1.13
4065.0	18:52	99.0	37	119	8.6	8.7	9.1	8.60	14.0	16.4	1.57
4070.0	18:57	68.5	37	120	8.6	8.7	9.1	8.60	14.0	12.2	1.72
4075.0	19: 2	69.9	37	120	8.6	8.7	9.0	8.60	14.0	12.6	1.71
4080.0	19: 6	84.5	38	120	8.6	8.7	9.0	8.60	14.0	13.6	1.67
4085.0	19:12	53.7	39	119	8.6	8.7	8.9	8.60	14.0	9.2	1.84
1832											
4090.0	19:15	83.4	38	119	8.7	8.7	8.9	8.60	14.0	13.3	1.68
4095.0	19:26	65.6	37	109	8.6	8.7	8.9	8.60	14.0	11.9	1.73
4100.0	19:31	59.6	39	118	8.6	8.7	8.9	8.60	14.0	10.1	1.80
4105.0	19:36	74.7	37	119	8.7	8.7	8.9	8.60	14.0	12.3	1.72
4110.0	19:40	78.9	38	120	8.7	8.7	8.9	8.60	14.0	12.7	1.71
4115.0	19:46	58.8	38	119	8.7	8.7	8.9	8.60	14.0	10.2	1.81
4120.0	19:49	91.8	38	120	8.6	8.7	8.9	8.60	14.0	14.1	1.66
4125.0	19:51	35.6	39	115	8.6	8.7	8.9	8.60	14.0	5.4	1.99
4130.0	1:47	31.5	18	117	8.8	9.1	9.0	8.60	14.0	17.0	1.61
4135.0	1:56	35.1	20	117	8.9	9.0	9.1	8.60	14.0	15.5	1.64
1882											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1882											
4140.0	2: 2	49.1	22	116	8.8	9.0	9.1	8.60	14.0	17.4	1.56
4145.0	2: 9	44.8	22	116	8.8	9.0	9.1	8.60	14.0	16.8	1.59
4150.0	2:15	49.5	22	116	8.8	9.0	9.1	8.60	14.0	17.8	1.56
4155.0	2:21	68.0	27	115	8.9	9.0	9.1	8.60	14.0	16.0	1.58
4160.0	2:31	86.7	32	108	8.9	9.0	9.1	8.60	14.0	16.4	1.52
4165.0	2:34	81.8	33	114	8.9	9.0	9.0	8.60	14.0	14.5	1.57
4170.0	2:38	85.9	31	118	8.9	9.0	9.1	8.60	14.0	17.3	1.53
4175.0	2:41	98.6	35	119	8.9	9.0	9.2	8.60	14.0	16.7	1.54
4180.0	2:44	113.0	36	119	8.8	9.0	9.2	8.60	14.0	17.7	1.50
4185.0	2:46	122.1	38	119	8.9	9.0	9.2	8.60	14.0	17.5	1.50
1928											
4190.0	2:53	225.3	38	112	8.9	9.0	9.2	8.60	14.0	22.9	1.29
4195.0	2:55	178.9	37	109	8.8	9.0	9.2	8.60	14.0	21.0	1.36
4200.0	2:58	131.2	36	119	8.9	9.0	9.2	8.60	14.1	18.8	1.46
4205.0	3: 0	143.9	40	130	8.9	9.0	9.2	8.60	14.1	18.0	1.49
4210.0	3: 2	176.0	42	136	8.8	9.0	9.2	8.60	14.1	19.0	1.45
4215.0	3: 3	179.5	41	136	8.8	9.0	9.2	8.60	14.1	19.4	1.43
4220.0	3: 5	149.3	39	138	8.9	9.0	9.2	8.60	14.1	18.6	1.48
4225.0	3:13	112.5	35	115	8.9	9.0	9.2	8.60	14.1	19.0	1.47
4230.0	3:16	118.9	39	127	9.1	9.0	9.2	8.60	14.1	17.5	1.53
4235.0	3:18	150.1	32	143	9.1	9.0	9.2	8.60	14.1	21.1	1.44
1962											
4240.0	3:20	141.1	39	141	9.1	9.0	9.3	8.60	14.1	18.4	1.51
4245.0	3:23	141.7	39	141	9.1	9.0	9.3	8.60	14.1	18.2	1.51
4250.0	3:25	149.7	42	141	9.1	9.0	9.3	8.60	14.1	18.2	1.51
4255.0	3:33	124.0	37	135	9.1	9.0	9.4	8.60	14.1	19.0	1.50
4260.0	3:36	143.8	35	139	9.2	9.0	9.4	8.60	14.1	21.6	1.42
4265.0	3:38	137.9	37	138	9.2	9.0	9.5	8.60	14.1	20.6	1.45
4270.0	3:40	164.9	42	136	9.2	9.0	9.5	8.60	14.1	20.4	1.44
4275.0	3:42	146.4	40	137	9.2	9.0	9.5	8.60	14.1	19.9	1.46
4280.0	3:44	178.4	41	141	9.1	9.0	9.5	8.60	14.1	20.8	1.43
4285.0	3:54	175.2	40	137	9.3	9.0	9.5	8.60	14.1	22.3	1.38
2005											
4290.0	3:57	138.3	38	144	9.3	9.0	9.5	8.60	14.1	20.0	1.47
4295.0	3:58	161.1	41	146	9.2	9.0	9.5	8.60	14.1	20.5	1.45
4300.0	4: 4	98.1	35	127	9.2	9.0	9.6	8.60	14.1	19.6	1.51
4305.0	4: 7	137.0	39	141	9.3	9.0	9.6	8.60	14.1	20.6	1.48
4310.0	4: 9	159.7	43	141	9.4	9.0	9.6	8.60	14.1	20.9	1.47
4320.0	4:18	153.5	34	140	9.4	9.0	9.6	8.60	14.1	24.2	1.40
4325.0	4:21	133.1	35	135	9.2	9.0	9.6	8.60	14.1	22.6	1.42
4330.0	4:23	168.5	37	146	9.2	9.0	9.6	8.60	14.1	23.7	1.38
4335.0	4:25	161.5	36	146	9.1	9.0	9.6	8.60	14.1	23.9	1.38
4340.0	4:26	214.1	36	147	9.2	9.0	9.6	8.60	14.1	26.1	1.30
2045											
4350.0	4:35	207.2	35	140	9.2	9.0	9.6	8.60	14.1	27.1	1.27
4355.0	4:37	186.0	35	133	9.2	9.0	9.6	8.60	14.1	26.3	1.29
4360.0	4:38	218.7	35	133	9.1	9.0	9.6	8.60	14.1	28.0	1.23
4365.0	4:40	221.8	37	133	9.1	9.0	9.6	8.60	14.1	27.0	1.25
4370.0	4:41	158.4	36	133	9.1	9.0	9.6	8.60	14.1	23.6	1.38
4380.0	4:50	201.5	36	131	9.1	9.0	9.5	8.60	14.1	26.3	1.28
4390.0	4:54	167.1	35	138	9.1	9.0	9.5	8.60	14.2	24.4	1.36
4395.0	4:56	159.7	37	137	9.1	9.0	9.5	8.60	14.2	23.5	1.39
4400.0	4:58	157.4	36	139	9.1	9.0	9.5	8.60	14.2	22.7	1.42
4405.0	5: 0	147.7	37	138	9.1	9.0	9.4	8.60	14.2	21.7	1.45
2081											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2081											
4410.0	5:14	125.9	37	135	9.1	9.0	9.4	8.60	14.2	20.4	1.50
4415.0	5:17	118.4	38	146	9.1	9.0	9.4	8.60	14.2	19.0	1.55
4420.0	5:19	126.7	37	147	9.1	9.0	9.4	8.60	14.2	20.2	1.52
4425.0	5:21	143.0	39	146	9.1	9.0	9.4	8.60	14.2	20.4	1.50
4430.0	5:30	208.8	35	124	9.1	9.0	9.4	8.60	14.2	26.6	1.27
4440.0	5:31	131.0	34	131	9.1	9.0	9.4	8.60	14.2	22.9	1.42
4445.0	5:32	262.5	35	140	9.1	9.0	9.4	8.60	14.2	28.6	1.22
4450.0	5:34	132.4	34	142	9.1	9.0	9.4	8.60	14.2	22.2	1.45
4455.0	5:37	129.6	38	142	9.1	9.0	9.4	8.60	14.2	20.5	1.50
4460.0	5:39	129.3	36	143	9.1	9.0	9.4	8.60	14.2	21.3	1.48
2118											
4470.0	5:44	137.2	38	143	9.1	9.0	9.5	8.60	14.2	21.2	1.48
4480.0	5:58	143.2	36	137	9.1	9.0	9.4	8.60	14.2	23.1	1.42
4485.0	6: 0	144.0	32	142	9.1	9.0	9.4	8.60	14.2	24.4	1.40
4490.0	6: 2	165.0	33	143	9.1	9.0	9.4	8.60	14.2	25.3	1.36
4500.0	6: 6	186.5	38	142	9.1	9.0	9.4	8.60	14.2	24.0	1.38
4510.0	6:14	229.5	33	131	9.1	9.0	9.4	8.60	14.2	29.8	1.21
4515.0	6:16	185.8	36	138	9.1	9.0	9.4	8.60	14.2	25.8	1.33
4520.0	6:17	189.4	38	135	9.1	9.0	9.5	8.60	14.2	25.5	1.33
4525.0	6:19	234.7	38	149	9.1	9.0	9.5	8.60	14.2	26.8	1.30
4530.0	6:20	253.1	38	149	9.1	9.0	9.5	8.60	14.2	27.6	1.27
2161											
4540.0	6:31	249.8	34	144	9.1	9.0	9.5	8.60	14.2	29.8	1.22
4545.0	6:34	120.3	30	142	9.1	9.0	9.4	8.60	14.2	24.8	1.42
4550.0	6:41	135.4	27	129	9.1	9.0	9.4	8.60	14.2	29.6	1.30
4560.0	6:42	143.0	33	153	9.1	9.0	9.4	8.60	14.2	25.0	1.42
4565.0	6:43	650.6	33	144	9.1	9.0	9.4	8.60	14.3	39.3	.88
4570.0	6:43	92.5	35	144	9.1	9.0	9.4	8.60	14.3	20.1	1.58
4580.0	6:47	172.9	36	144	9.1	9.0	9.4	8.60	14.3	25.2	1.38
4585.0	6:48	222.7	38	144	9.1	9.0	9.5	8.60	14.3	27.0	1.31
4590.0	6:50	219.6	37	145	9.1	9.0	9.5	8.60	14.3	27.4	1.30
4600.0	6:59	189.7	35	141	9.1	9.0	9.5	8.60	14.3	27.1	1.32
2196											
4610.0	7: 3	175.3	36	149	9.1	9.0	9.5	8.60	14.3	24.9	1.41
4615.0	7: 5	162.2	39	145	9.1	9.0	9.4	8.60	14.3	23.8	1.43
4620.0	7: 7	147.2	39	147	9.1	9.0	9.4	8.60	14.3	22.9	1.47
4625.0	7:15	190.5	37	145	9.1	9.0	9.4	8.60	14.3	25.5	1.38
4630.0	7:17	145.6	36	160	9.1	9.0	9.4	8.60	14.3	23.7	1.47
4640.0	7:20	153.8	38	166	9.1	9.0	9.4	8.60	14.3	22.7	1.50
4645.0	7:22	151.6	41	162	9.1	9.0	9.4	8.60	14.3	21.6	1.53
4650.0	7:24	136.3	41	162	9.1	9.0	9.4	8.60	14.3	20.8	1.56
4655.0	7:26	187.6	40	152	9.1	9.0	9.4	8.60	14.3	24.5	1.41
4660.0	7:27	239.2	39	146	9.1	9.0	9.4	8.60	14.3	27.5	1.29
2235											
4665.0	7:36	138.9	26	136	9.1	9.0	9.4	8.60	14.3	30.5	1.29
4670.0	7:38	185.0	37	149	9.1	9.0	9.4	8.60	14.3	26.1	1.37
4675.0	7:39	236.2	37	140	9.1	9.0	9.4	8.60	14.3	28.5	1.27
4680.0	7:41	175.6	39	137	9.1	9.0	9.4	8.60	14.3	24.6	1.40
4690.0	7:51	167.5	32	128	9.1	9.0	9.4	8.60	14.3	28.5	1.30
4695.0	7:52	287.5	35	125	9.1	9.0	9.4	8.60	14.3	32.3	1.13
4700.0	7:53	206.4	37	144	9.1	9.0	9.5	8.60	14.3	27.2	1.32
4710.0	7:56	212.1	38	142	9.1	9.0	9.5	8.60	14.3	27.4	1.31
4715.0	7:57	224.2	38	132	9.1	9.0	9.5	8.60	14.3	28.2	1.27
4720.0	8: 4	146.7	37	134	9.1	9.0	9.5	8.60	14.3	24.8	1.42
2257											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2257											
4725.0	8: 4	150.1	35	130	9.1	9.0	9.5	8.60	14.3	26.0	1.38
4730.0	8: 6	182.5	36	127	9.1	9.0	9.5	8.60	14.3	27.2	1.32
4735.0	8: 8	165.2	34	133	9.1	9.0	9.5	8.60	14.3	27.3	1.34
4740.0	8:10	207.7	39	133	9.1	9.0	9.5	8.60	14.3	27.0	1.32
4745.0	8:11	177.9	39	134	9.1	9.0	9.5	8.60	14.3	25.7	1.37
4750.0	8:13	196.5	37	136	9.1	9.0	9.5	8.60	14.3	26.7	1.35
4755.0	8:21	151.2	35	129	9.1	9.0	9.5	8.60	14.4	26.4	1.37
4760.0	8:23	245.7	41	125	9.1	9.0	9.4	8.60	14.4	27.7	1.28
4765.0	8:25	159.9	39	132	9.1	9.0	9.4	8.60	14.4	24.8	1.41
4770.0	8:26	181.1	39	146	9.1	9.0	9.4	8.60	14.4	25.2	1.40
2288											
4780.0	8:29	189.2	40	146	9.1	9.0	9.4	8.60	14.4	25.5	1.39
4785.0	8:31	188.0	39	141	9.1	9.0	9.4	8.60	14.4	25.9	1.37
4790.0	8:37	188.0	36	129	9.1	9.0	9.4	8.60	14.4	28.3	1.30
4795.0	8:39	180.7	40	121	9.1	9.0	9.4	8.60	14.4	26.4	1.34
4800.0	8:41	208.2	40	130	9.1	9.0	9.5	8.60	14.4	27.0	1.33
4810.0	8:43	219.7	40	139	9.1	9.0	9.5	8.60	14.4	27.5	1.32
4820.0	8:52	218.5	38	152	9.1	9.0	9.5	8.60	14.4	27.5	1.34
4830.0	8:55	194.2	37	144	9.1	9.0	9.4	8.60	14.4	26.9	1.36
4835.0	9:12	227.1	34	144	9.1	9.0	9.4	8.60	14.4	29.1	1.29
4840.0	9:14	205.7	42	144	9.1	9.0	9.4	8.60	14.4	25.3	1.40
2326											
4845.0	9:16	205.3	40	146	9.1	9.0	9.4	8.60	14.4	26.1	1.37
4850.0	9:17	252.9	40	142	9.1	9.0	9.4	8.60	14.4	28.1	1.29
4855.0	9:25	218.7	36	136	9.1	9.0	9.4	8.60	14.4	28.8	1.28
4860.0	9:27	157.7	32	139	9.1	9.0	9.4	8.60	14.4	27.7	1.36
4870.0	9:30	222.0	33	150	9.1	9.0	9.4	8.60	14.4	30.3	1.27
4880.0	9:41	198.6	37	140	9.1	9.1	9.4	8.60	14.4	28.0	1.32
4885.0	9:42	210.4	35	121	9.1	9.1	9.4	8.60	14.4	29.9	1.24
4945.0	36:24	163.3	32	125	9.2	9.1	9.4	8.60	14.5	28.7	1.30
4950.0	36:24	156.7	33	126	9.2	9.1	9.4	8.60	14.5	27.9	1.32
4955.0	36:24	164.2	30	128	9.2	9.1	9.4	8.60	14.5	30.1	1.27
2359											
4960.0	36:24	158.6	33	125	9.2	9.1	9.4	8.60	14.5	28.0	1.32
4965.0	36:24	171.7	35	124	9.2	9.1	9.4	8.60	14.5	28.4	1.30
4970.0	36:24	151.7	34	125	9.2	9.1	9.4	8.60	14.5	27.2	1.35
4975.0	36:24	151.0	31	119	9.2	9.1	9.4	8.60	14.5	29.4	1.29
4980.0	36:24	177.1	28	134	9.2	9.1	9.4	8.60	14.5	31.9	1.23
4985.0	36:24	174.8	34	131	9.2	9.1	9.4	8.60	14.5	28.7	1.30
4990.0	36:24	152.4	34	131	9.2	9.1	9.4	8.60	14.5	27.3	1.35
4995.0	36:24	156.1	35	130	9.2	9.1	9.4	8.60	14.5	27.3	1.35
5000.0	36:24	147.8	33	131	9.2	9.1	9.4	8.60	14.5	27.7	1.35
5005.0	36:24	165.4	31	122	9.1	9.2	9.3	8.60	14.5	29.4	1.28
2394											
5010.0	36:24	213.7	34	155	9.1	9.2	9.3	8.60	14.5	28.3	1.32
5015.0	22:56	106.0	35	136	9.1	9.2	9.4	8.60	14.5	23.5	1.52
5020.0	23: 0	106.0	35	136	9.1	9.2	9.4	8.60	14.5	23.6	1.52
5025.0	23: 5	115.0	36	138	9.1	9.2	9.4	8.60	14.5	23.9	1.51
5030.0	23:10	115.0	36	138	9.1	9.2	9.4	8.60	14.5	23.9	1.50
5035.0	23:19	57.2	37	142	9.2	9.2	9.4	8.60	14.5	16.5	1.79
5040.0	23:24	64.9	37	142	9.2	9.2	9.4	8.60	14.5	17.9	1.74
5045.0	23:29	98.0	37	142	9.1	9.2	9.4	8.60	14.5	22.0	1.58
5050.0	23:33	98.0	37	142	9.1	9.2	9.5	8.60	14.5	22.1	1.58
5055.0	23:39	98.0	37	142	9.1	9.2	9.5	8.60	14.5	22.1	1.58
2440											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2440											
5060.0	23:46	98.0	37	142	9.1	9.2	9.4	8.60	14.5	22.0	1.58
5065.0	23:58	78.0	32	141	9.1	9.2	9.4	8.60	14.5	22.3	1.59
5070.0	0: 4	78.0	32	141	9.1	9.2	9.4	8.60	14.5	22.2	1.59
5075.0	0:10	78.0	32	141	9.1	9.2	9.4	8.60	14.5	22.1	1.59
5080.0	0:14	78.0	32	141	9.1	9.2	9.4	8.60	14.5	22.2	1.59
5085.0	0:19	78.0	32	141	9.1	9.2	9.4	8.60	14.5	22.3	1.59
5090.0	0:24	78.0	32	141	9.1	9.2	9.4	8.60	14.5	22.4	1.59
5095.0	0:32	117.0	35	142	9.1	9.2	9.4	8.60	14.5	24.5	1.50
5100.0	0:36	117.0	35	142	9.1	9.2	9.4	8.60	14.5	24.5	1.50
5105.0	0:40	109.0	35	142	9.1	9.2	9.4	8.60	14.5	23.8	1.52
2488											
5110.0	0:43	109.0	35	142	9.1	9.2	9.4	8.60	14.5	23.8	1.52
5115.0	0:48	117.0	35	142	9.1	9.2	9.4	8.60	14.5	24.5	1.50
5120.0	0:54	117.0	35	142	9.1	9.2	9.4	8.60	14.5	24.5	1.50
5125.0	1: 0	113.0	37	140	9.1	9.2	9.4	8.60	14.5	23.5	1.53
5130.0	1: 5	113.0	37	140	9.1	9.2	9.4	8.60	14.5	23.5	1.53
5135.0	1: 9	104.0	37	140	9.1	9.2	9.4	8.60	14.5	22.8	1.56
5140.0	1:14	104.0	37	140	9.1	9.2	9.4	8.60	14.5	22.8	1.56
5145.0	1:18	113.0	37	140	9.1	9.2	9.4	8.60	14.6	23.5	1.53
5150.0	1:23	113.0	37	140	9.1	9.2	9.4	8.60	14.6	23.5	1.53
5155.0	1:28	103.0	36	140	9.1	9.2	9.4	8.60	14.6	23.2	1.55
2535											
5160.0	1:32	103.0	36	140	9.1	9.2	9.4	8.60	14.6	23.2	1.55
5165.0	1:47	103.0	36	140	9.1	9.2	9.4	8.60	14.6	23.1	1.55
5170.0	1:52	103.0	36	140	9.1	9.2	9.4	8.60	14.6	23.2	1.55
5175.0	1:57	99.0	36	140	9.1	9.2	9.4	8.60	14.6	22.8	1.57
5180.0	2: 2	99.0	36	140	9.1	9.2	9.4	8.60	14.6	22.9	1.56
5185.0	2: 6	69.7	44	139	9.1	9.2	9.4	8.60	14.6	16.8	1.81
5190.0	2:10	88.6	43	139	9.1	9.2	9.4	8.60	14.6	19.5	1.69
5195.0	2:21	53.0	43	141	9.1	9.2	9.4	8.60	14.6	14.7	1.90
5200.0	2:26	54.2	45	140	9.1	9.2	9.4	8.60	14.6	14.5	1.92
5205.0	2:32	52.5	44	141	9.1	9.2	9.4	8.60	14.6	14.3	1.93
2583											
5210.0	2:38	53.9	45	138	9.1	9.2	9.4	8.60	14.6	14.5	1.92
5215.0	2:43	102.0	38	141	9.1	9.2	9.4	8.60	14.6	22.4	1.59
5220.0	2:49	102.0	38	141	9.1	9.2	9.4	8.60	14.6	22.4	1.58
5225.0	3: 0	98.0	39	139	9.1	9.2	9.4	8.60	14.6	21.7	1.61
5230.0	3: 6	98.0	39	139	9.1	9.2	9.4	8.60	14.6	21.7	1.61
5235.0	3:10	108.0	39	141	9.1	9.2	9.4	8.60	14.6	22.8	1.57
5240.0	3:15	108.0	39	141	9.1	9.2	9.4	8.60	14.6	22.8	1.57
5245.0	3:20	198.0	39	141	9.1	9.2	9.4	8.60	14.6	28.1	1.36
5250.0	3:24	198.0	39	141	9.1	9.2	9.4	8.60	14.6	28.1	1.36
5255.0	3:37	148.0	39	141	9.1	9.2	9.4	8.60	14.6	25.5	1.46
2631											
5260.0	3:42	148.0	39	141	9.1	9.2	9.4	8.60	14.6	25.5	1.46
5265.0	3:46	113.0	39	141	9.1	9.2	9.4	8.60	14.6	23.2	1.56
5270.0	3:52	113.0	39	141	9.1	9.2	9.4	8.60	14.6	23.1	1.56
5275.0	3:57	181.0	37	140	9.1	9.2	9.4	8.60	14.6	28.0	1.37
5280.0	4: 2	181.0	37	140	9.1	9.2	9.4	8.60	14.6	28.0	1.37
5285.0	4: 8	181.0	37	140	9.1	9.2	9.4	8.60	14.6	28.0	1.37
5290.0	4:21	181.0	37	140	9.1	9.2	9.4	8.60	14.6	28.1	1.37
5295.0	4:26	91.0	40	137	9.1	9.2	9.4	8.60	14.6	20.8	1.65
5310.0	0: 2	160.0	40	137	9.0	9.1	9.3	8.60	14.6	24.0	1.51
5320.0	0: 8	96.0	41	139	9.1	9.1	9.3	8.60	14.6	20.7	1.66
2675											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2675											
5330.0	0:13	116.0	40	140	9.1	9.1	9.3	8.60	14.6	22.9	1.57
5340.0	0:17	176.0	41	137	9.1	9.1	9.3	8.60	14.7	26.6	1.42
5350.0	0:20	166.0	41	142	9.1	9.1	9.4	8.60	14.7	26.1	1.44
5360.0	0:25	120.0	41	142	9.1	9.1	9.4	8.60	14.7	23.5	1.55
5370.0	0:29	162.0	40	150	9.1	9.1	9.4	8.60	14.7	26.1	1.46
5380.0	0:33	146.0	40	150	9.1	9.1	9.4	8.60	14.7	25.5	1.49
5390.0	0:37	153.0	40	146	9.2	9.1	9.4	8.60	14.7	26.0	1.46
5400.0	0:41	149.0	41	140	9.2	9.1	9.5	8.60	14.7	25.8	1.46
5410.0	0:44	183.0	41	143	9.1	9.1	9.5	8.60	14.7	27.6	1.40
5420.0	0:48	146.0	40	150	9.1	9.1	9.5	8.60	14.7	25.7	1.48
2685											
5430.0	0:52	181.0	41	145	9.1	9.1	9.5	8.60	14.7	27.5	1.41
5440.0	0:56	136.0	40	147	9.1	9.1	9.5	8.60	14.7	25.1	1.51
5450.0	1: 0	139.0	43	149	9.1	9.1	9.5	8.60	14.7	24.5	1.54
5460.0	1: 4	176.0	50	149	9.1	9.1	9.5	8.60	14.7	25.6	1.53
5470.0	1: 8	157.0	40	151	9.1	9.1	9.4	8.60	14.7	26.3	1.47
5480.0	1:13	109.0	41	150	9.1	9.1	9.4	8.60	14.7	22.9	1.60
5500.0	1:17	162.0	40	147	9.1	9.1	9.4	8.60	14.7	26.7	1.45
5520.0	0: 5	109.0	39	142	9.0	9.0	9.1	8.60	14.7	22.7	1.59
5530.0	0:10	122.0	39	142	9.0	9.0	9.2	8.60	14.7	23.8	1.55
5540.0	0:18	77.0	39	142	9.0	9.0	9.2	8.60	14.7	19.9	1.71
2695											
5550.0	0:26	74.0	39	142	9.0	9.0	9.2	8.60	14.8	19.7	1.73
5560.0	0:34	69.0	40	133	9.0	9.0	9.2	8.60	14.8	19.0	1.75
5570.0	0:41	98.0	40	133	9.0	9.0	9.2	8.60	14.8	22.1	1.62
5580.0	0:46	109.0	40	133	9.0	9.0	9.2	8.60	14.8	23.1	1.58
5590.0	0:52	101.0	40	133	9.0	9.0	9.2	8.60	14.8	22.4	1.61
5600.0	0:57	115.0	40	150	9.1	9.0	9.3	8.60	14.8	23.5	1.60
5610.0	1: 2	122.0	38	150	9.1	9.0	9.3	8.60	14.8	25.2	1.54
5620.0	1: 7	118.0	39	150	9.1	9.0	9.3	8.60	14.8	24.4	1.57
5630.0	1:13	106.0	32	120	9.1	9.0	9.2	8.60	14.8	27.2	1.43
5640.0	1:18	117.0	32	120	9.1	9.0	9.3	8.60	14.8	28.2	1.39
2705											
5650.0	1:23	114.0	32	120	9.1	9.0	9.3	8.60	14.8	28.5	1.40
5660.0	1:28	120.0	34	124	9.1	9.2	9.4	8.60	14.8	28.1	1.41
5670.0	1:35	83.0	34	124	9.1	9.2	9.4	8.60	14.8	25.0	1.54
5680.0	1:43	75.0	34	124	9.1	9.2	9.3	8.60	14.8	24.1	1.57
5690.0	1:52	72.0	31	126	9.1	9.2	9.3	8.60	14.8	24.9	1.55
5700.0	1:57	109.0	31	126	9.1	9.2	9.3	8.60	14.8	28.5	1.42
5710.0	2: 2	120.0	31	126	9.1	9.2	9.3	8.60	14.8	29.3	1.39
5720.0	2: 7	117.0	35	125	9.1	9.2	9.3	8.60	14.8	27.3	1.45
5730.0	2:13	109.0	35	125	9.1	9.2	9.3	8.60	14.8	26.7	1.47
5740.0	2:18	119.0	35	125	9.1	9.2	9.3	8.60	14.8	27.5	1.44
2715											
5750.0	2:23	115.0	36	120	9.0	9.2	9.3	8.60	14.9	26.9	1.46
5760.0	2:28	111.0	36	120	9.0	9.2	9.3	8.60	14.9	26.6	1.47
5770.0	2:34	117.0	36	120	9.0	9.2	9.3	8.60	14.9	27.0	1.45
5780.0	2:39	108.0	35	123	9.1	9.2	9.3	8.60	14.9	27.4	1.47
5790.0	2:45	110.0	35	123	9.1	9.2	9.3	8.60	14.9	27.6	1.46
5800.0	2:50	118.0	35	123	9.1	9.2	9.3	8.60	14.9	28.3	1.44
5810.0	2:55	120.0	26	130	9.2	9.2	9.4	8.60	14.9	33.0	1.32
5820.0	3: 0	113.0	26	130	9.2	9.2	9.4	8.60	14.9	32.6	1.34
5830.0	3: 6	101.0	26	130	9.2	9.2	9.4	8.60	14.9	31.9	1.37
5840.0	3:11	118.0	26	130	9.2	9.2	9.4	8.60	14.9	33.4	1.31
2725											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2725											
5850.0	3:16	123.0	25	140	9.2	9.2	9.5	8.60	14.9	33.8	1.31
5860.0	3:21	119.0	25	140	9.2	9.2	9.5	8.60	14.9	33.6	1.32
5870.0	3:26	121.0	25	120	9.2	9.2	9.5	8.60	14.9	34.5	1.27
5880.0	3:31	113.0	25	120	9.2	9.2	9.5	8.60	14.9	34.0	1.29
5890.0	3:36	128.0	26	121	9.2	9.1	9.5	8.60	14.9	34.9	1.26
5900.0	3:40	132.0	26	121	9.2	9.1	9.5	8.60	14.9	35.2	1.25
5910.0	3:45	127.0	27	130	9.2	9.1	9.5	8.60	14.9	33.5	1.31
5920.0	3:51	107.0	27	130	9.2	9.1	9.5	8.60	14.9	32.1	1.36
5930.0	3:56	112.0	27	130	9.2	9.1	9.5	8.60	14.9	32.5	1.35
5940.0	4: 2	109.0	25	125	9.1	9.0	9.5	8.60	14.9	33.6	1.32
2735											
5950.0	4: 7	102.0	25	125	9.1	9.0	9.5	8.60	14.9	32.9	1.34
5960.0	4:13	112.0	25	125	9.1	9.0	9.4	8.60	15.0	33.7	1.31
5970.0	4:18	106.0	26	126	9.1	9.0	9.4	8.60	15.0	32.4	1.35
5980.0	4:23	120.0	26	126	9.1	9.0	9.4	8.60	15.0	33.4	1.31
5990.0	4:28	122.0	26	126	9.1	9.1	9.4	8.60	15.0	33.7	1.31
6000.0	4:34	108.0	26	126	9.1	9.1	9.4	8.60	15.0	32.6	1.35
6008.0	4:38	104.0	26	127	9.1	9.2	9.4	8.60	15.0	32.0	1.37
NEW BIT ID: 5											
6010.0	0: 1	101.0	30	142	9.3	9.3	9.5	8.60	14.9	27.5	1.45
6020.0	0: 7	98.0	30	142	9.3	9.3	9.5	8.60	14.9	27.4	1.46
6030.0	0:14	87.0	30	142	9.3	9.3	9.5	8.60	14.9	26.5	1.49
2749											
6040.0	0:20	91.0	31	150	9.3	9.3	9.5	8.60	14.9	26.0	1.51
6050.0	0:25	120.0	45	150	9.3	9.3	9.5	8.60	14.9	23.7	1.60
6060.0	0:33	75.0	28	150	9.3	9.3	9.7	8.60	14.9	27.6	1.52
6070.0	0:49	37.0	30	150	9.3	9.3	9.6	8.60	15.0	20.4	1.79
6080.0	1: 4	42.0	24	148	9.3	9.3	9.6	8.60	15.0	24.8	1.64
6090.0	1:14	61.0	20	148	9.3	9.3	9.6	8.60	15.0	31.4	1.45
6100.0	1:20	92.0	26	150	9.3	9.3	9.6	8.60	15.0	30.5	1.43
6110.0	1:27	81.0	25	145	9.3	9.3	9.6	8.60	15.0	30.1	1.45
6120.0	1:32	120.0	31	151	9.3	9.3	9.6	8.60	15.0	30.0	1.42
6130.0	2: 4	120.0	28	145	9.3	9.3	9.6	8.60	15.0	31.6	1.37
2759											
6150.0	2: 5	101.0	29	150	9.2	9.3	9.6	8.60	15.0	29.7	1.45
6170.0	2:12	68.0	30	151	9.3	9.3	9.6	8.60	15.0	26.0	1.59
6180.0	2:18	87.0	29	152	9.3	9.2	9.7	8.60	15.0	28.7	1.49
6190.0	2:22	148.0	29	149	9.1	9.2	9.7	8.60	15.0	33.4	1.32
6200.0	2:39	91.0	29	150	9.3	9.1	9.7	8.60	15.0	27.3	1.55
6210.0	2:47	74.9	30	145	9.3	9.2	9.6	8.60	15.0	27.2	1.54
6220.0	2:51	147.0	27	145	9.3	9.2	9.6	8.60	15.0	34.4	1.28
6230.0	3: 2	55.0	28	146	9.3	9.2	9.6	8.60	15.0	25.6	1.61
6240.0	3: 7	120.0	28	147	9.3	9.2	9.6	8.60	15.0	32.3	1.36
6250.0	3:15	72.0	28	148	9.3	9.2	9.6	8.60	15.0	27.9	1.53
2770											
6260.0	3:24	71.0	29	145	9.3	9.2	9.6	8.60	15.0	27.4	1.54
6270.0	3:31	86.0	29	145	9.3	9.2	9.6	8.60	15.0	29.1	1.48
6280.0	3:38	77.0	29	143	9.3	9.2	9.6	8.60	15.0	28.4	1.51
6290.0	3:43	118.0	30	142	9.3	9.2	9.6	8.60	15.1	31.8	1.38
6300.0	3:50	96.0	29	144	9.3	9.2	9.6	8.60	15.1	30.2	1.44
6310.0	3:55	118.0	30	144	9.3	9.2	9.6	8.60	15.1	31.5	1.39
6320.0	4: 3	76.0	30	145	9.3	9.2	9.6	8.60	15.1	27.7	1.54

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2777											
6330.0	4:12	63.0	29	145	9.3	9.2	9.6	8.60	15.1	26.8	1.58
6340.0	4:21	67.0	27	145	9.3	9.2	9.6	8.60	15.1	28.5	1.53
6350.0	4:29	75.0	29	141	9.3	9.2	9.6	8.60	15.1	28.6	1.52
6360.0	4:39	60.0	30	133	9.3	9.2	9.6	8.60	15.1	25.9	1.59
6370.0	4:44	118.0	31	136	9.3	9.2	9.6	8.60	15.1	31.2	1.39
6380.0	5: 6	28.0	31	136	9.3	9.2	9.5	8.60	15.1	19.1	1.87
6390.0	5:11	101.0	31	128	9.3	9.2	9.5	8.60	15.1	30.2	1.42
6400.0	5:16	120.0	22	130	9.3	9.3	9.5	8.60	15.1	36.9	1.24
6410.0	5:29	49.7	31	136	9.3	9.3	9.5	8.60	15.1	24.4	1.67
6420.0	5:36	85.0	26	150	9.3	9.3	9.6	8.60	15.1	31.1	1.45
2787											
6430.0	5:43	82.0	27	147	9.3	9.3	9.6	8.60	15.1	30.3	1.47
6440.0	5:51	75.0	25	148	9.3	9.3	9.6	8.60	15.1	30.8	1.47
6450.0	5:56	114.0	28	152	9.3	9.3	9.6	8.60	15.1	32.4	1.40
6460.0	6: 5	68.0	29	160	9.3	9.3	9.6	8.60	15.1	27.5	1.59
6470.0	6:12	86.0	27	154	9.3	9.3	9.6	8.60	15.1	30.7	1.47
6480.0	6:21	69.0	26	152	9.3	9.3	9.6	8.60	15.1	29.5	1.52
6490.0	6:27	91.0	26	152	9.3	9.3	9.6	8.60	15.1	31.9	1.43
6500.0	6:34	92.0	30	153	9.3	9.3	9.6	8.60	15.2	29.8	1.49
6510.0	6:40	98.0	28	152	9.3	9.3	9.6	8.60	15.2	31.4	1.44
6520.0	6:49	64.0	29	154	9.3	9.4	9.6	8.60	15.2	27.5	1.59
2797											
6530.0	6:55	101.0	28	151	9.3	9.4	9.6	8.60	15.2	31.7	1.43
6540.0	7: 1	98.0	29	153	9.3	9.4	9.6	8.60	15.2	31.0	1.46
6550.0	7: 7	109.0	30	150	9.3	9.4	9.6	8.60	15.2	31.5	1.43
6560.0	7:16	64.0	32	149	9.3	9.4	9.6	8.60	15.2	26.2	1.63
6570.0	7:22	109.0	31	151	9.3	9.4	9.7	8.60	15.2	31.4	1.45
6580.0	7:28	92.0	36	150	9.3	9.4	9.7	8.60	15.2	27.8	1.57
6590.0	7:33	119.0	32	149	9.3	9.4	9.6	8.60	15.2	31.7	1.43
6600.0	7:38	117.0	34	155	9.3	9.4	9.6	8.60	15.2	30.5	1.47
6610.0	7:43	121.0	33	154	9.3	9.3	9.7	8.60	15.2	31.4	1.45
6620.0	7:53	63.0	36	151	9.3	9.3	9.6	8.60	15.2	24.8	1.71
2807											
6630.0	7:59	98.0	38	148	9.3	9.3	9.6	8.60	15.2	27.8	1.58
6640.0	8: 8	63.0	34	160	9.3	9.3	9.6	8.60	15.2	25.4	1.70
6650.0	8:12	151.0	39	159	9.3	9.3	9.6	8.60	15.2	30.6	1.47
6660.0	8:15	237.0	38	156	9.3	9.3	9.6	8.60	15.2	34.9	1.29
6670.0	8:22	79.0	34	149	9.3	9.3	9.6	8.60	15.2	27.9	1.60
6680.0	8:32	61.0	36	148	9.3	9.3	9.7	8.60	15.2	25.0	1.71
6690.0	8:37	118.0	37	151	9.3	9.3	9.6	8.60	15.2	29.9	1.51
6700.0	8:47	63.0	34	149	9.3	9.3	9.6	8.60	15.2	26.2	1.67
6710.0	8:55	76.0	32	144	9.3	9.3	9.6	8.60	15.2	28.9	1.57
6720.0	9: 0	109.0	34	148	9.3	9.3	9.6	8.60	15.2	30.8	1.49
2817											
6730.0	9: 8	78.0	33	146	9.3	9.3	9.6	8.60	15.3	28.6	1.58
6740.0	9:18	62.0	31	144	9.3	9.3	9.6	8.60	15.3	27.9	1.62
6750.0	9:24	91.0	34	147	9.3	9.3	9.6	8.60	15.3	29.6	1.55
6760.0	9:30	101.0	32	144	9.3	9.3	9.6	8.60	15.3	31.4	1.48
6770.0	9:36	98.0	32	147	9.3	9.3	9.6	8.60	15.3	31.1	1.49
6780.0	9:48	52.0	31	146	9.3	9.3	9.6	8.60	15.3	26.5	1.68
6790.0	9:54	97.0	29	147	9.3	9.3	9.6	8.60	15.3	32.5	1.45
6800.0	10: 2	71.0	28	142	9.3	9.3	9.6	8.60	15.3	30.8	1.52
6810.0	10: 9	90.0	32	143	9.3	9.3	9.6	8.60	15.3	30.7	1.51
6820.0	10:16	81.0	29	144	9.3	9.3	9.6	8.60	15.3	31.3	1.50
2827											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2827											
6830.0	10:25	68.0	30	147	9.3	9.3	9.6	8.60	15.3	29.3	1.58
6840.0	10:35	64.0	29	145	9.3	9.3	9.6	8.60	15.3	29.5	1.58
6850.0	10:44	67.0	29	142	9.3	9.3	9.6	8.60	15.3	30.1	1.56
6860.0	10:54	59.0	29	144	9.3	9.3	9.6	8.60	15.3	29.0	1.60
6870.0	11: 3	63.0	34	160	9.3	9.3	9.6	8.60	15.3	26.6	1.70
6880.0	11:12	68.0	29	144	9.3	9.3	9.6	8.60	15.3	30.2	1.56
6890.0	11:22	61.0	27	156	9.3	9.3	9.6	8.60	15.3	30.0	1.59
6900.0	11:32	59.0	31	151	9.3	9.2	9.6	8.60	15.3	27.8	1.65
6910.0	11:45	47.0	30	150	9.3	9.2	9.6	8.60	15.3	26.7	1.71
6920.0	12: 7	27.0	32	156	9.3	9.2	9.6	8.60	15.3	21.0	1.94
2837											
6930.0	12:18	55.0	34	157	9.3	9.3	9.6	8.60	15.3	25.9	1.74
6940.0	12:37	32.0	31	158	9.3	9.3	9.6	8.60	15.3	23.0	1.87
6950.0	12:44	81.0	33	157	9.3	9.3	9.6	8.60	15.4	29.6	1.59
6960.0	13: 1	36.0	34	156	9.3	9.3	9.6	8.60	15.4	22.6	1.88
6970.0	13:10	63.0	36	156	9.3	9.3	9.6	8.60	15.4	26.3	1.72
6980.0	13:30	30.0	37	154	9.3	9.3	9.6	8.60	15.4	20.1	1.99
6990.0	13:48	34.0	34	158	9.3	9.3	9.6	8.60	15.4	22.3	1.90
7000.0	14:13	24.0	38	158	9.3	9.3	9.6	8.60	15.4	17.9	2.09
7010.0	14:23	57.0	37	156	9.3	9.3	9.6	8.60	15.4	25.4	1.77
7020.0	14:46	26.0	36	157	9.3	9.3	9.6	8.60	15.4	19.6	2.03
2847											
7030.0	14:56	61.0	35	155	9.3	9.3	9.6	8.60	15.4	26.9	1.71
7040.0	15:17	29.0	37	155	9.3	9.3	9.6	8.60	15.4	20.2	2.00
7050.0	15:30	46.0	41	154	9.3	9.3	9.6	8.60	15.4	22.5	1.91
7060.0	15:48	33.0	38	155	9.3	9.3	9.6	8.60	15.4	20.9	1.98
7070.0	15:58	59.0	37	154	9.3	9.3	9.6	8.60	15.4	26.1	1.76
7080.0	16:21	26.0	40	154	9.3	9.3	9.6	8.60	15.4	18.4	2.09
7090.0	16:32	54.0	34	150	9.3	9.3	9.6	8.60	15.4	26.8	1.73
7100.0	16:53	29.0	40	150	9.3	9.2	9.6	8.60	15.4	19.6	2.04
7110.0	17: 1	75.0	41	150	9.3	9.2	9.6	8.60	15.4	26.8	1.72
7120.0	17: 8	86.0	34	150	9.3	9.2	9.6	8.60	15.4	30.7	1.57
2857											
7130.0	17:17	67.0	38	157	9.3	9.3	9.6	8.60	15.4	26.8	1.73
7140.0	17:27	60.0	35	151	9.3	9.3	9.6	8.60	15.4	27.3	1.71
7150.0	17:40	46.0	36	151	9.3	9.2	9.6	8.60	15.4	24.9	1.82
7160.0	17:56	37.0	35	151	9.3	9.2	9.6	8.60	15.4	23.7	1.88
7170.0	18:14	35.0	36	150	9.2	9.2	9.5	8.60	15.4	22.6	1.93
7180.0	18:27	43.0	36	150	9.1	9.1	9.4	8.60	15.5	24.0	1.87
7190.0	18:39	54.0	37	147	9.0	9.1	9.4	8.60	15.5	25.3	1.82
7200.0	18:53	43.0	37	150	9.2	9.3	9.4	8.60	15.5	23.5	1.90
7210.0	19: 6	45.0	37	150	9.2	9.3	9.5	8.60	15.5	24.2	1.87
7220.0	19:18	49.0	35	150	9.4	9.3	9.6	8.60	15.5	26.0	1.79
2867											
7230.0	19:31	46.0	36	150	9.3	9.3	9.6	8.60	15.5	25.3	1.82
7240.0	19:43	50.0	37	151	9.3	9.2	9.6	8.60	15.5	25.7	1.81
7250.0	19:57	43.0	36	148	9.3	9.2	9.6	8.60	15.5	25.0	1.84
7260.0	20:12	40.0	35	147	9.3	9.2	9.6	8.60	15.5	24.8	1.85
7270.0	20:21	67.0	38	148	9.3	9.2	9.6	8.60	15.5	27.7	1.72
7280.0	20:32	54.0	38	148	9.3	9.2	9.6	8.60	15.5	26.1	1.79
7290.0	20:42	60.4	37	150	9.3	9.2	9.6	8.60	15.5	27.3	1.74
7300.0	20:53	54.0	37	142	9.2	9.0	9.6	8.60	15.5	26.7	1.77
7310.0	21: 2	67.0	38	149	9.0	9.0	9.5	8.60	15.5	27.5	1.74
7320.0	21:10	75.0	37	148	9.1	9.0	9.4	8.60	15.5	28.7	1.69
2877											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
2877											
7330.0	21:19	66.0	37	148	9.2	9.2	9.4	8.60	15.5	27.7	1.74
7340.0	21:29	60.0	37	147	9.2	9.2	9.5	8.60	15.5	27.2	1.76
7350.0	21:39	62.0	36	147	9.2	9.2	9.5	8.60	15.5	28.1	1.73
7360.0	21:48	63.0	35	148	9.2	9.1	9.5	8.60	15.5	28.6	1.71
7370.0	21:56	75.0	35	148	9.2	9.0	9.5	8.60	15.5	30.1	1.65
7380.0	22: 5	67.0	35	143	9.2	9.0	9.5	8.60	15.5	29.4	1.68
7400.0	22:23	66.0	39	140	9.2	9.1	9.5	8.60	15.5	27.9	1.74
7410.0	22:35	51.0	36	143	9.2	9.1	9.5	8.60	15.6	27.0	1.79
7420.0	22:46	54.0	38	142	9.2	9.1	9.5	8.60	15.6	26.7	1.79
7430.0	22:59	46.0	37	145	9.2	9.1	9.5	8.60	15.6	25.8	1.84
2887											
7440.0	23: 6	85.0	37	145	9.2	9.1	9.5	8.60	15.6	30.7	1.63
7450.0	23:14	81.0	36	147	9.2	9.1	9.5	8.60	15.6	30.6	1.63
7460.0	23:22	70.0	35	148	9.2	9.1	9.5	8.60	15.6	29.9	1.67
7470.0	23:38	37.0	35	148	9.2	9.1	9.5	8.60	15.6	25.0	1.89
7480.0	0: 0	28.0	34	148	9.2	9.1	9.5	8.60	15.6	23.3	1.97
7490.0	0:19	31.0	34	148	9.2	9.2	9.5	8.60	15.6	24.2	1.94
7500.0	0:29	61.0	36	147	9.3	9.2	9.5	8.60	15.6	28.7	1.73
7510.0	0:35	99.0	33	147	9.2	9.3	9.6	8.60	15.6	33.8	1.51
7513.0	0:36	137.3	35	146	9.3	9.2	9.6	8.60	15.6	35.6	1.43
NEW BIT ID: -1 CORE # 1											
7515.0	2:47	24.5	11	63	9.3	9.3	9.4	8.60	15.6	37.5	1.35
2904											
7520.0	19:27	19.5	13	66	9.3	9.3	9.5	8.60	15.6	20.8	1.48
7525.0	19:43	33.0	13	65	9.3	9.3	9.5	8.60	15.6	37.9	1.31
7530.0	20: 2	27.6	14	63	9.3	9.3	9.5	8.60	15.6	35.7	1.39
7533.0	20: 9	7.5	16	65	9.3	9.3	9.5	8.60	15.6	24.4	1.78
NEW BIT ID: -2 CORE # 2											
7535.0	22:59	12.8	15	64	9.3	9.3	9.5	8.60	15.6	29.5	1.61
7540.0	23:44	7.1	13	64	9.3	9.3	9.5	8.60	15.6	28.1	1.70
7545.0	0:23	8.0	18	64	9.3	9.3	9.5	8.60	15.6	23.8	1.83
7550.0	1: 0	8.5	19	64	9.3	9.3	9.5	8.60	15.6	23.9	1.83
7555.0	2: 7	9.0	20	63	9.3	9.3	9.5	8.60	15.6	23.4	1.85
7560.0	2:34	10.0	21	63	9.3	9.3	9.5	8.60	15.6	23.8	1.84
2953											
7565.0	3:20	7.4	21	64	9.3	9.3	9.5	8.60	15.6	21.6	1.94
7570.0	4:21	5.3	20	64	9.3	9.3	9.5	8.60	15.6	19.9	2.01
7575.0	5:33	5.7	21	65	9.3	9.3	9.5	8.60	15.6	19.3	2.04
7580.0	6:56	3.6	21	67	9.3	9.3	9.5	8.60	15.6	16.8	2.15
7581.0	7:14	3.2	21	67	9.3	9.3	9.5	8.60	15.6	16.2	2.18
NEW BIT ID: -3 CORE # 3											
7585.0	16:51	3.9	21	68	9.3	9.5	9.6	8.60	15.6	16.1	2.13
7590.0	18: 5	4.1	21	65	9.3	9.4	9.6	8.60	15.6	17.2	2.08
7595.0	18:52	12.1	21	63	9.3	9.4	9.6	8.60	15.6	22.8	1.86
7600.0	19: 6	22.9	21	61	9.3	9.4	9.6	8.60	15.6	30.9	1.55
7605.0	19:51	7.4	21	60	9.3	9.4	9.6	8.60	15.6	22.1	1.89
3002											
7610.0	20:32	15.4	19	66	9.3	9.4	9.6	8:60	15.6	25.3	1.77

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
3007											
7611.0	20:49	3.6	16	67	9.3	9.4	9.6	8.60	15.6	19.3	2.00
				NEW BIT ID:	-4		CORE # 4				
7615.0	6:32	5.2	16	65	9.3	9.4	9.6	8.60	15.6	22.2	1.90
7620.0	7:32	5.0	21	67	9.3	9.4	9.6	8.60	15.6	18.6	2.04
7625.0	8:32	5.3	21	70	9.3	9.4	9.6	8.60	15.6	18.7	2.04
7630.0	10:28	2.7	20	73	9.3	9.4	9.6	8.60	15.6	13.8	2.23
7635.0	12:11	3.2	23	72	9.3	9.4	9.6	8.60	15.6	13.1	2.28
7640.0	13:11	6.3	25	72	9.3	9.4	9.6	8.60	15.6	16.5	2.14
7645.0	14: 3	6.4	25	70	9.3	9.4	9.6	8.60	15.6	17.3	2.11
7650.0	15: 4	5.0	24	70	9.3	9.4	9.6	8.60	15.7	16.9	2.13
7654.0	15:21	15.9	17	71	9.3	9.4	9.6	8.60	15.7	30.3	1.61
				NEW BIT ID:	-5		CORE # 5				
3059											
7655.0	23:54	11.0	16	15	9.3	9.4	9.5	8.60	15.7	39.5	1.26
7660.0	0: 7	33.7	16	63	9.3	9.4	9.6	8.60	15.7	36.1	1.38
7665.0	0:13	51.3	16	66	9.3	9.4	9.7	8.60	15.7	40.3	1.22
7670.0	0:26	29.9	16	63	9.3	9.4	9.6	8.60	15.7	35.4	1.40
7675.0	0:44	21.4	16	65	9.3	9.4	9.6	8.60	15.7	32.5	1.51
7680.0	1:32	17.2	16	68	9.3	9.4	9.6	8.60	15.7	27.2	1.71
7685.0	2:24	6.2	17	67	9.3	9.4	9.6	8.60	15.7	22.9	1.89
7690.0	3:26	5.4	21	66	9.3	9.4	9.6	8.60	15.7	19.2	2.03
7695.0	4:50	3.8	21	66	9.3	9.4	9.6	8.60	15.7	16.7	2.13
7699.0	5:48	4.6	21	66	9.3	9.4	9.6	8.60	15.7	18.0	2.08
				NEW BIT ID:	-6		CORE # 6				
3108											
7700.0	15: 6	1.7	13	57	9.3	9.4	9.6	8.60	15.7	18.2	2.05
7705.0	16:29	2.0	17	69	9.3	9.4	9.6	8.60	15.7	14.6	2.20
7710.0	16:41	5.5	20	75	9.3	9.5	9.7	8.60	15.7	19.8	2.01
7715.0	0:15	30.1	25	74	9.3	9.4	9.7	8.60	15.7	29.5	1.62
7720.0	20:57	6.7	28	76	9.1	9.4	9.5	8.60	15.7	13.7	2.31
7725.0	22:10	5.6	31	75	9.2	9.0	9.6	8.60	15.7	12.1	2.40
7730.0	23:49	3.6	30	72	9.3	9.0	9.7	8.60	15.7	10.4	2.46
7735.0	1:13	4.3	33	72	9.2	9.2	9.6	8.60	15.7	11.2	2.49
7740.0	2:11	5.2	33	72	9.2	9.3	9.6	8.60	15.7	12.6	2.40
7745.0	4: 4	3.5	36	63	9.3	9.3	9.8	8.60	15.7	9.8	2.54
3142											
7750.0	5:37	3.8	28	71	9.3	9.3	9.8	8.60	15.7	12.8	2.34
7755.0	6:29	4.8	26	70	9.4	9.3	9.9	8.60	15.7	16.4	2.17
7759.0	7:50	3.2	33	70	9.4	9.3	9.9	8.60	15.7	8.9	2.53
				NEW BIT ID:	6						
7760.0	20:54	49.0	18	88	9.1	9.4	9.3	8.60	15.7	37.4	1.35
7765.0	21: 6	60.0	18	93	9.1	9.4	9.3	8.60	15.7	38.2	1.33
7770.0	21:28	40.6	20	90	9.1	9.4	9.3	8.60	15.7	34.5	1.45
7780.0	21:51	191.4	26	104	9.1	9.4	9.3	8.60	15.7	42.3	1.11
7790.0	22: 2	166.2	24	110	9.0	9.4	9.3	8.60	15.7	41.5	1.16

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
3175											
7795.0	22:12	161.4	20	110	9.0	9.4	9.3	8.60	15.7	43.4	1.13
7805.0	22:37	143.2	25	106	9.1	9.4	9.3	8.60	15.7	40.5	1.19
7810.0	22:45	220.3	19	107	9.0	9.4	9.3	8.60	15.7	47.0	1.00
7815.0	0: 6	46.5	22	102	9.2	9.2	9.3	8.60	15.7	33.9	1.48
7820.0	0:11	61.5	21	104	9.2	9.2	9.4	8.60	15.7	36.6	1.38
7825.0	0:16	54.5	24	109	9.2	9.2	9.4	8.60	15.7	33.6	1.49
7830.0	0:22	50.5	26	114	9.2	9.2	9.4	8.60	15.7	32.2	1.55
7835.0	0:28	57.1	26	110	9.2	9.2	9.4	8.60	15.7	33.2	1.50
7840.0	0:32	66.6	27	110	9.2	9.2	9.4	8.60	15.7	34.1	1.46
7845.0	0:36	80.0	27	110	9.2	9.2	9.4	8.60	15.7	35.5	1.40
3189											
7850.0	0:39	99.9	23	109	9.2	9.2	9.4	8.60	15.7	39.4	1.27
7855.0	0:41	109.1	23	109	9.2	9.2	9.4	8.60	15.7	40.1	1.25
7860.0	0:44	120.1	26	105	9.2	9.2	9.4	8.60	15.7	39.3	1.25
7865.0	0:47	85.0	23	105	9.2	9.2	9.4	8.60	15.7	35.6	1.39
7870.0	0:52	66.6	25	109	9.2	9.2	9.4	8.60	15.7	35.3	1.43
7875.0	0:56	75.0	25	109	9.2	9.2	9.4	8.60	15.7	36.2	1.39
7880.0	0:59	85.7	24	101	9.2	9.2	9.4	8.60	15.7	38.7	1.30
7885.0	1: 3	92.2	24	101	9.2	9.2	9.4	8.60	15.7	39.3	1.28
7890.0	1: 6	101.5	24	101	9.2	9.2	9.5	8.60	15.8	40.1	1.25
7895.0	1: 9	80.7	24	101	9.2	9.2	9.5	8.60	15.8	38.4	1.32
3199											
7900.0	1:14	66.7	26	106	9.2	9.2	9.5	8.60	15.8	35.4	1.43
7905.0	1:18	70.6	26	106	9.2	9.2	9.5	8.60	15.8	35.9	1.41
7910.0	1:22	75.5	26	106	9.2	9.2	9.5	8.60	15.8	36.4	1.39
7915.0	1:26	69.9	26	108	9.2	9.2	9.5	8.60	15.8	35.8	1.42
7920.0	1:30	77.5	25	106	9.2	9.2	9.5	8.60	15.8	37.3	1.37

DUMP B

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

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPN	PVM	MVI	MDOV	RECDS
	64										
				NEW BIT ID:	2						
810.0	5:29	.13	50	60	.00	.00	0	0	1038	.0	2
830.0	5:38	-.44	50	60	.00	.00	0	0	1046	.0	1
840.0	5:39	.40	50	60	.00	.00	0	0	1067	.0	1
845.0	5:40	.28	50	59	.00	.00	0	0	1063	.0	1
850.0	5:40	-.98	50	59	.00	.00	0	0	1077	.0	2
865.0	5:55	.81	50	60	.00	.00	0	0	1100	.0	4
870.0	5:55	.59	51	62	.00	.00	0	0	1240	.0	1
880.0	5:57	.63	51	62	.00	.00	0	0	1240	.0	1
890.0	5:59	.45	51	62	.00	.00	0	0	1240	.0	2
900.0	6:13	.74	52	62	.00	.00	0	0	1238	.0	3
	86										
910.0	6:15	.57	55	63	.00	.00	0	0	1230	.0	2
920.0	6:17	.69	55	63	.00	.00	0	0	1234	.0	2
925.0	6:19	.49	55	64	.00	.00	0	0	1234	.0	1
930.0	6:30	.80	56	64	.00	.00	0	0	1234	.0	2
940.0	6:33	.92	55	63	.00	.00	0	0	1229	.0	5
945.0	6:36	1.16	55	63	.00	.00	0	0	1232	.0	1
950.0	6:36	.27	56	63	.00	.00	0	0	1232	.0	1
955.0	7:18	1.06	56	63	.00	.00	0	0	1219	.0	1
960.0	7:18	1.56	58	62	.00	.00	0	0	666	.0	1
965.0	7:19	.32	58	62	.00	.00	0	0	666	.0	1
	103										
970.0	7:24	.13	58	62	.00	.00	0	0	663	.0	1
980.0	7:29	1.05	58	62	.00	.00	0	0	629	.0	3
990.0	7:41	1.27	56	62	.00	.00	0	0	824	.0	2
995.0	7:44	1.03	55	62	.00	.00	0	0	1242	.0	5
1000.0	7:47	1.11	55	63	.00	.00	0	0	1241	.0	4
1010.0	7:49	.72	56	63	.00	.00	0	0	1240	.0	3
1015.0	7:50	-2.85	56	63	.00	.00	0	0	1242	.0	2
1020.0	7:52	-2.95	57	63	.00	.00	0	0	1242	.0	1
1030.0	8: 6	1.19	58	65	.00	.00	0	0	1230	.0	3
1035.0	8: 7	.98	58	67	.00	.00	0	0	1230	.0	1
	128										
1040.0	8: 7	.92	58	67	.00	.00	0	0	1230	.0	1
1045.0	8: 9	1.23	58	67	.00	.00	0	0	1228	.0	2
1050.0	8: 9	-2.86	58	67	.00	.00	0	0	1226	.0	2
1055.0	8:22	.46	56	65	.00	.00	0	0	1197	.0	1
1060.0	8:23	.29	56	66	.00	.00	0	0	1193	.0	1
1070.0	8:24	-.68	56	66	.00	.00	0	0	1193	.0	2
1080.0	8:25	-1.29	56	66	.00	.00	0	0	1193	.0	2
1085.0	8:37	-.98	56	66	.00	.00	0	0	1203	.0	2
1090.0	8:38	1.06	57	65	.00	.00	0	0	1212	.0	1
1100.0	8:40	-2.84	57	65	.00	.00	0	0	1215	.0	3
	145										
1110.0	8:51	-.37	57	65	.00	.00	0	0	1188	.0	3
1115.0	8:51	.59	57	65	.00	.00	0	0	682	.0	1
1120.0	8:52	.81	57	64	.00	.00	0	0	677	.0	1
1125.0	8:57	1.14	57	63	.00	.00	0	0	680	.0	4
1130.0	9: 0	1.19	57	63	.00	.00	0	0	682	.0	2
1140.0	9: 4	1.19	57	63	.00	.00	0	0	683	.0	3
1145.0	9:12	2.03	57	63	.00	.00	0	0	683	.0	2

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
161											
1150.0	9:25	1.64	56	62	.00	.00	0	0	676	.0	3
1155.0	9:28	1.67	56	61	.00	.00	0	0	676	.0	1
1160.0	9:30	1.41	55	62	.00	.00	0	0	678	.0	4
1170.0	9:30	2.09	55	62	.00	.00	0	0	679	.0	1
1180.0	9:41	.97	54	61	.00	.00	0	0	653	.0	1
1190.0	9:45	.96	54	61	.00	.00	0	0	661	.0	4
1195.0	9:47	1.11	53	61	.00	.00	0	0	673	.0	1
1200.0	9:48	1.09	53	61	.00	.00	0	0	674	.0	2
1205.0	10: 2	1.24	53	61	.00	.00	0	0	677	.0	1
1210.0	10: 5	.98	54	61	.00	.00	0	0	692	.0	3
182											
1220.0	10: 8	1.33	54	61	.00	.00	0	0	696	.0	4
1225.0	10: 9	1.38	54	61	.00	.00	0	0	697	.0	1
1230.0	10:10	1.22	54	61	.00	.00	0	0	700	.0	2
1235.0	10:11	1.38	54	61	.00	.00	0	0	700	.0	1
1240.0	10:21	1.58	54	61	.00	.00	0	0	700	.0	1
1245.0	10:22	1.40	54	61	.00	.00	0	0	692	.0	1
1250.0	10:24	1.66	54	61	.00	.00	0	0	692	.0	2
1260.0	10:28	1.47	54	61	.00	.00	0	0	698	.0	2
1265.0	10:30	1.56	54	61	.00	.00	0	0	699	.0	1
1270.0	10:40	1.61	54	61	.00	.00	0	0	681	.0	1
198											
1275.0	10:44	1.45	54	61	.00	.00	0	0	751	.0	3
1280.0	10:46	1.37	53	61	.00	.00	0	0	1247	.0	2
1285.0	10:48	1.54	53	61	.00	.00	0	0	1247	.0	2
1290.0	10:49	1.41	53	61	.00	.00	0	0	1247	.0	2
1300.0	10:50	1.67	53	61	.00	.00	0	0	1247	.0	1
1310.0	11: 1	1.58	53	60	.00	.00	0	0	1233	.0	4
1320.0	11: 4	1.80	53	60	.00	.00	0	0	1236	.0	4
1325.0	11: 5	1.50	53	60	.00	.00	0	0	1236	.0	1
1330.0	11: 6	1.93	53	60	.00	.00	0	0	1236	.0	2
1335.0	11:18	2.16	54	60	.00	.00	0	0	1250	.0	2
221											
1340.0	11:19	1.78	54	60	.00	.00	0	0	1258	.0	1
1350.0	11:24	2.02	55	60	.00	.00	0	0	1206	.0	5
1355.0	11:26	1.93	55	60	.00	.00	0	0	1172	.0	2
1360.0	11:27	1.90	55	60	.00	.00	0	0	1172	.0	3
1370.0	11:39	1.86	56	61	.00	.00	0	0	1174	.0	3
1380.0	11:41	1.73	58	62	.00	.00	0	0	1177	.0	1
1390.0	11:42	2.01	58	62	.00	.00	0	0	1177	.0	1
1400.0	12: 1	1.64	58	63	.00	.00	0	0	1163	.0	3
1405.0	12: 2	.93	59	64	.00	.00	0	0	1132	.0	1
1410.0	12: 3	1.64	59	64	.00	.00	0	0	1158	.0	1
242											
1415.0	12: 3	1.82	59	64	.00	.00	0	0	1158	.0	1
1420.0	12: 4	1.74	59	65	.00	.00	0	0	1158	.0	2
1430.0	12:16	1.92	58	67	.00	.00	0	0	1174	.0	2
1435.0	12:18	1.55	57	68	.00	.00	0	0	1190	.0	2
1440.0	12:19	1.64	57	68	.00	.00	0	0	1190	.0	3
1445.0	12:20	1.83	57	68	.00	.00	0	0	1190	.0	1
1450.0	12:22	1.73	57	68	.00	.00	0	0	1190	.0	5
1460.0	12:30	1.72	58	67	.00	.00	0	0	1154	.0	4
1470.0	12:32	1.95	58	66	.00	.00	0	0	1151	.0	1
1480.0	12:35	1.76	59	67	.00	.00	0	0	1161	.0	1
264											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV	RECDS
264											
1485.0	12:36	2.07	59	67	.00	.00	0	0	1161	.0	1
1490.0	12:42	1.90	59	67	.00	.00	0	0	1166	.0	1
1500.0	12:44	1.96	59	66	.00	.00	0	0	1181	.0	3
1505.0	12:45	1.83	59	66	.00	.00	0	0	1181	.0	1
1510.0	12:46	1.80	59	67	.00	.00	0	0	1181	.0	1
1520.0	12:54	1.92	60	67	.00	.00	0	0	1181	.0	4
1525.0	12:55	2.03	60	61	.00	.00	0	0	1170	.0	2
1530.0	12:56	2.17	60	66	.00	.00	0	0	1175	.0	2
1535.0	12:57	2.19	59	66	.00	.00	0	0	1162	.0	4
1540.0	12:58	2.13	58	67	.00	.00	0	0	1156	.0	2
285											
1545.0	12:59	2.28	57	67	.00	.00	0	0	1151	.0	1
1550.0	13: 0	2.05	57	67	.00	.00	0	0	1151	.0	1
1560.0	13:11	1.99	56	65	.00	.00	0	0	1176	.0	2
1565.0	13:12	2.11	56	65	.00	.00	0	0	1172	.0	2
1570.0	13:13	1.95	56	65	.00	.00	0	0	1172	.0	2
1575.0	13:14	2.05	56	67	.00	.00	0	0	1152	.0	1
1580.0	13:20	2.07	56	67	.00	.00	0	0	1158	.0	3
1590.0	13:21	1.86	56	67	.00	.00	0	0	1176	.0	1
1595.0	13:22	1.84	56	67	.00	.00	0	0	1176	.0	2
1600.0	13:23	1.99	56	67	.00	.00	0	0	1176	.0	2
302											
1605.0	13:24	1.87	56	67	.00	.00	0	0	1176	.0	1
1610.0	13:25	1.95	56	68	.00	.00	0	0	1176	.0	1
1620.0	13:50	2.09	58	65	.00	.00	0	0	1176	.0	1
1625.0	13:51	2.14	58	63	.00	.00	0	0	1153	.0	1
1630.0	13:52	1.94	59	63	.00	.00	0	0	1157	.0	1
1635.0	13:53	1.94	59	64	.00	.00	0	0	1161	.0	1
1640.0	13:54	2.12	59	65	.00	.00	0	0	1161	.0	1
1650.0	14: 0	1.86	59	66	.00	.00	0	0	1161	.0	1
1655.0	14: 0	1.99	59	66	.00	.00	0	0	1179	.0	1
1660.0	14: 1	1.81	58	66	.00	.00	0	0	1185	.0	1
312											
1665.0	14: 2	1.98	57	66	.00	.00	0	0	1185	.0	1
1670.0	14: 3	1.85	57	66	.00	.00	0	0	1185	.0	1
1675.0	14: 4	1.70	57	66	.00	.00	0	0	1167	.0	1
1680.0	14:11	2.00	57	66	.00	.00	0	0	1160	.0	1
1690.0	14:13	2.18	58	65	.00	.00	0	0	1164	.0	1
1695.0	14:14	2.25	58	66	.00	.00	0	0	1164	.0	1
1710.0	14:29	2.32	58	66	.00	.00	0	0	1169	.0	1
1715.0	14:29	2.31	60	68	.00	.00	0	0	1185	.0	1
1720.0	14:30	2.34	60	68	.00	.00	0	0	1172	.0	1
1725.0	14:31	2.37	60	68	.00	.00	0	0	1155	.0	1
322											
1730.0	14:31	2.31	60	67	.00	.00	0	0	1150	.0	1
1735.0	14:32	2.34	60	67	.00	.00	0	0	1150	.0	1
1740.0	14:39	2.29	60	67	.00	.00	0	0	1150	.0	2
1750.0	14:41	2.22	60	67	.00	.00	0	0	1161	.0	1
1755.0	14:42	2.16	59	67	.00	.00	0	0	1161	.0	1
1760.0	14:42	2.05	59	67	.00	.00	0	0	1147	.0	1
1770.0	14:43	2.04	58	67	.00	.00	0	0	1156	.0	1
1775.0	14:59	2.38	58	68	.00	.00	0	0	1156	.0	3
1780.0	15: 0	2.64	59	68	.00	.00	0	0	1161	.0	1
1785.0	15: 1	2.38	60	68	.00	.00	0	0	1161	.0	1
335											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
335											
1790.0	15: 2	2.32	60	68	.00	.00	0	0	1161	.0	1
1800.0	15: 3	2.31	60	68	.00	.00	0	0	1156	.0	1
1810.0	15: 9	2.37	59	68	.00	.00	0	0	1156	.0	1
1815.0	15:10	2.30	58	67	.00	.00	0	0	1156	.0	1
1820.0	15:11	2.18	58	67	.00	.00	0	0	1156	.0	1
1830.0	15:12	2.22	58	67	.00	.00	0	0	1159	.0	1
1840.0	15:18	2.28	57	66	.00	.00	0	0	1159	.0	1
1845.0	15:19	2.24	57	65	.00	.00	0	0	1165	.0	1
1850.0	15:20	2.27	57	65	.00	.00	0	0	1165	.0	1
1855.0	15:20	2.20	57	65	.00	.00	0	0	1165	.0	1
345											
1860.0	15:21	2.19	57	65	.00	.00	0	0	1165	.0	1
1865.0	15:27	2.16	57	65	.00	.00	0	0	1161	.0	2
1870.0	15:28	2.36	56	65	.00	.00	0	0	1158	.0	1
1880.0	15:29	2.13	56	64	.00	.00	0	0	1158	.0	1
1885.0	15:29	2.35	57	64	.00	.00	0	0	1158	.0	1
1890.0	15:30	2.12	57	65	.00	.00	0	0	1155	.0	1
1895.0	15:31	2.28	57	66	.00	.00	0	0	1147	.0	1
1900.0	15:40	2.39	58	65	.00	.00	0	0	1165	.0	1
1905.0	15:41	2.23	58	65	.00	.00	0	0	1177	.0	2
1910.0	15:42	2.27	58	65	.00	.00	0	0	1177	.0	1
357											
1915.0	15:42	2.30	59	66	.00	.00	0	0	1177	.0	1
1920.0	15:43	2.40	59	67	.00	.00	0	0	1181	.0	1
1925.0	15:49	2.46	59	66	.00	.00	0	0	1181	.0	1
1930.0	15:50	2.41	59	66	.00	.00	0	0	1140	.0	1
1935.0	15:51	2.31	59	66	.00	.00	0	0	1140	.0	1
1940.0	15:52	2.30	59	66	.00	.00	0	0	1140	.0	1
1945.0	15:53	2.19	60	66	.00	.00	0	0	1146	.0	2
1950.0	15:54	2.42	60	67	.00	.00	0	0	1149	.0	1
1955.0	15:55	2.43	60	67	.00	.00	0	0	1141	.0	1
1960.0	16: 0	2.25	60	67	.00	.00	0	0	1141	.0	2
369											
1965.0	16: 1	2.36	60	67	.00	.00	0	0	1148	.0	1
1970.0	16: 3	2.23	60	66	.00	.00	0	0	1149	.0	3
1975.0	16: 4	2.31	60	67	.00	.00	0	0	1151	.0	2
1980.0	16: 6	2.22	60	67	.00	.00	0	0	1146	.0	4
1985.0	16: 8	2.38	60	67	.00	.00	0	0	1151	.0	3
1990.0	16: 9	2.26	60	68	.00	.00	0	0	1150	.0	2
2000.0	16:18	2.36	59	67	.00	.00	0	0	1158	.0	5
2010.0	16:23	2.39	59	67	.00	.00	0	0	1166	.0	5
2015.0	16:24	2.46	60	69	.00	.00	0	0	1148	.0	2
2020.0	16:25	2.46	60	69	.00	.00	0	0	1148	.0	1
397											
2025.0	16:30	2.60	60	69	.00	.00	0	0	1148	.0	1
2030.0	16:31	2.63	61	69	.00	.00	0	0	1146	.0	2
2035.0	16:32	2.50	61	69	.00	.00	0	0	1147	.0	1
2040.0	16:33	2.41	61	69	.00	.00	0	0	1147	.0	2
2050.0	16:35	2.52	62	70	.00	.00	0	0	1147	.0	2
2055.0	16:36	2.41	62	70	.00	.00	0	0	1147	.0	2
2060.0	16:41	2.49	62	70	.00	.00	0	0	1128	.0	2
2065.0	16:42	2.56	62	69	.00	.00	0	0	1134	.0	2
2070.0	16:43	2.54	62	70	.00	.00	0	0	1140	.0	1
2075.0	16:44	2.62	62	70	.00	.00	0	0	1140	.0	2
414											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDDV	RECDS
414											
2080.0	16:46	2.61	62	70	.00	.00	0	0	1139	.0	2
2085.0	16:53	2.66	62	70	.00	.00	0	0	1137	.0	3
2090.0	16:55	2.72	62	69	.00	.00	0	0	1123	.0	3
2100.0	16:58	2.59	62	70	.00	.00	0	0	1138	.0	7
2105.0	16:59	2.62	62	71	.00	.00	0	0	1147	.0	3
2110.0	17: 0	2.52	62	71	.00	.00	0	0	1150	.0	3
2115.0	17: 7	2.98	61	71	.00	.00	0	0	1146	.0	5
2120.0	17:18	2.86	60	69	.00	.00	0	0	1131	.0	4
2125.0	17:22	2.81	61	69	.00	.00	0	0	1127	.0	5
2130.0	17:25	2.59	62	71	.00	.00	0	0	1129	.0	5
454											
2135.0	17:27	2.47	62	70	.00	.00	0	0	1132	.0	2
2140.0	17:28	2.40	62	70	.00	.00	0	0	1135	.0	3
2150.0	17:38	2.58	62	70	.00	.00	0	0	1136	.0	7
2155.0	17:39	2.52	62	69	.00	.00	0	0	1128	.0	2
2160.0	17:41	2.48	62	69	.00	.00	0	0	1128	.0	2
2165.0	17:42	2.51	62	69	.00	.00	0	0	1125	.0	2
2170.0	17:43	2.62	61	70	.00	.00	0	0	1128	.0	1
2175.0	17:44	2.46	61	70	.00	.00	0	0	1128	.0	1
2180.0	17:51	2.75	60	70	.00	.00	0	0	1133	.0	4
2185.0	17:52	2.56	60	69	.00	.00	0	0	1129	.0	2
479											
2190.0	17:53	2.53	60	69	.00	.00	0	0	1133	.0	1
2195.0	17:54	2.57	60	69	.00	.00	0	0	1133	.0	2
2200.0	17:55	2.51	61	70	.00	.00	0	0	1133	.0	1
2205.0	17:57	2.61	61	70	.00	.00	0	0	1136	.0	2
2220.0	18: 6	2.58	61	69	.00	.00	0	0	1128	.0	5
2225.0	18: 7	2.40	62	69	.00	.00	0	0	1127	.0	2
2230.0	18: 8	2.43	62	69	.00	.00	0	0	1129	.0	2
2235.0	18: 9	2.44	62	69	.00	.00	0	0	1132	.0	1
2240.0	18:10	2.48	62	70	.00	.00	0	0	1133	.0	2
2245.0	18:18	2.37	62	70	.00	.00	0	0	1126	.0	3
500											
2250.0	18:20	2.39	62	70	.00	.00	0	0	1125	.0	3
2255.0	18:21	2.37	62	69	.00	.00	0	0	1126	.0	2
2260.0	18:22	2.27	62	70	.00	.00	0	0	1125	.0	4
2265.0	18:23	2.35	63	70	.00	.00	0	0	1125	.0	2
2270.0	18:25	2.46	63	70	.00	.00	0	0	1129	.0	2
2275.0	18:30	2.46	63	70	.00	.00	0	0	1129	.0	2
2280.0	18:31	2.52	63	70	.00	.00	0	0	1137	.0	1
2285.0	18:32	2.47	63	69	.00	.00	0	0	1137	.0	3
2290.0	18:33	2.47	63	69	.00	.00	0	0	1137	.0	1
2295.0	18:35	2.48	63	69	.00	.00	0	0	1144	.0	4
524											
2300.0	18:36	2.33	63	70	.00	.00	0	0	1144	.0	2
2310.0	18:45	2.45	63	71	.00	.00	0	0	1143	.0	4
2315.0	18:46	2.42	63	69	.00	.00	0	0	1136	.0	2
2320.0	18:48	2.36	63	69	.00	.00	0	0	1140	.0	3
2325.0	18:49	2.50	63	69	.00	.00	0	0	1140	.0	2
2330.0	18:51	2.55	63	70	.00	.00	0	0	1131	.0	5
2335.0	18:53	2.53	63	71	.00	.00	0	0	1132	.0	3
2340.0	18:59	2.21	63	70	.00	.00	0	0	1147	.0	3
2350.0	19: 1	2.21	64	70	.00	.00	0	0	1152	.0	5
2355.0	19: 3	2.15	64	71	.00	.00	0	0	1136	.0	2
555											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV RECDS	
555											
2360.0	19: 4	2.09	64	72	.00	.00	0	0	1124	.0	4
2365.0	19: 6	1.85	64	72	.00	.00	0	0	1121	.0	1
2370.0	19:15	2.28	64	70	.00	.00	0	0	1131	.0	1
2375.0	19:17	2.53	64	58	.00	.00	0	0	1140	.0	5
2380.0	19:18	2.48	64	54	.00	.00	0	0	1135	.0	1
2385.0	19:20	2.61	63	68	.00	.00	0	0	1131	.0	3
2390.0	19:21	2.61	62	73	.00	.00	0	0	1131	.0	3
2395.0	19:23	2.64	62	72	.00	.00	0	0	1131	.0	2
2400.0	19:30	2.60	60	72	.00	.00	0	0	1131	.0	2
2405.0	19:31	2.56	58	70	.00	.00	0	0	1126	.0	1
578											
2410.0	19:32	2.70	58	70	.00	.00	0	0	1126	.0	3
2415.0	19:34	2.60	59	71	.00	.00	0	0	1126	.0	3
2420.0	19:35	2.76	59	72	.00	.00	0	0	1129	.0	4
2425.0	19:37	2.69	60	72	.00	.00	0	0	1130	.0	2
2430.0	19:43	2.62	61	72	.00	.00	0	0	1130	.0	3
2435.0	19:44	2.39	61	71	.00	.00	0	0	1130	.0	2
2440.0	19:45	2.17	62	71	.00	.00	0	0	1129	.0	3
2450.0	19:48	2.21	62	73	.00	.00	0	0	1121	.0	6
2455.0	19:49	2.18	62	73	.00	.00	0	0	1117	.0	1
2460.0	19:55	2.21	63	72	.00	.00	0	0	1122	.0	2
607											
2465.0	19:56	2.58	63	71	.00	.00	0	0	1128	.0	3
2470.0	19:58	2.51	63	71	.00	.00	0	0	1130	.0	2
2475.0	19:59	2.57	63	71	.00	.00	0	0	1132	.0	2
2480.0	20: 0	2.51	63	71	.00	.00	0	0	1126	.0	2
2485.0	20: 1	2.55	63	71	.00	.00	0	0	1120	.0	1
2490.0	20: 2	2.42	63	71	.00	.00	0	0	1120	.0	1
2495.0	20: 6	2.40	63	71	.00	.00	0	0	1123	.0	1
2500.0	20: 8	2.56	63	70	.00	.00	0	0	1104	.0	2
2505.0	20: 9	2.72	63	70	.00	.00	0	0	1125	.0	2
2510.0	20:11	2.71	63	71	.00	.00	0	0	1119	.0	2
625											
2515.0	20:12	2.63	63	71	.00	.00	0	0	1111	.0	4
2520.0	20:14	2.56	63	72	.00	.00	0	0	1125	.0	3
2525.0	20:15	2.39	63	72	.00	.00	0	0	1131	.0	2
2530.0	20:23	2.70	63	70	.00	.00	0	0	1123	.0	3
2540.0	20:26	2.82	63	71	.00	.00	0	0	1117	.0	5
2545.0	20:28	2.89	63	72	.00	.00	0	0	1109	.0	5
2550.0	20:34	2.88	63	72	.00	.00	0	0	1109	.0	4
2560.0	20:36	2.66	63	72	.00	.00	0	0	1109	.0	2
2565.0	20:38	2.88	63	72	.00	.00	0	0	1109	.0	4
2570.0	20:40	2.76	63	72	.00	.00	0	0	1102	.0	2
659											
2575.0	20:41	2.83	63	72	.00	.00	0	0	1108	.0	2
2580.0	20:43	2.91	64	73	.00	.00	0	0	1108	.0	4
2590.0	20:53	2.88	64	72	.00	.00	0	0	1101	.0	4
2595.0	20:55	2.84	64	70	.00	.00	0	0	1106	.0	5
2600.0	20:57	2.85	64	71	.00	.00	0	0	1106	.0	2
2605.0	20:59	2.88	64	72	.00	.00	0	0	1107	.0	4
2610.0	21: 1	2.94	64	72	.00	.00	0	0	1109	.0	3
2615.0	21: 3	2.93	64	72	.00	.00	0	0	1110	.0	4
2620.0	21: 9	2.90	64	72	.00	.00	0	0	1106	.0	3
2625.0	21:12	2.84	65	71	.00	.00	0	0	1114	.0	4
694											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV	RECDS
694											
2630.0	21:14	2.95	65	71	.00	.00	0	0	1113	.0	5
2635.0	21:17	2.97	65	72	.00	.00	0	0	1112	.0	5
2640.0	21:19	3.02	65	72	.00	.00	0	0	1113	.0	4
2645.0	21:22	3.08	65	73	.00	.00	0	0	1107	.0	5
2650.0	21:25	3.08	65	74	.00	.00	0	0	1109	.0	4
2655.0	21:33	2.99	66	71	.00	.00	0	0	1109	.0	5
2660.0	21:36	3.01	66	72	.00	.00	0	0	1115	.0	4
2665.0	21:38	2.96	66	73	.00	.00	0	0	1113	.0	5
2670.0	21:40	2.95	66	73	.00	.00	0	0	1120	.0	4
2675.0	21:42	2.94	66	73	.00	.00	0	0	1122	.0	5
740											
2685.0	21:53	2.87	66	73	.00	.00	0	0	1116	.0	6
2690.0	21:55	2.94	66	73	.00	.00	0	0	1109	.0	3
2695.0	21:57	2.97	66	73	.00	.00	0	0	1109	.0	5
2700.0	21:59	3.04	66	74	.00	.00	0	0	1109	.0	5
2705.0	22: 1	2.95	67	74	.00	.00	0	0	1109	.0	4
2710.0	22: 7	2.69	67	75	.00	.00	0	0	1109	.0	1
2720.0	22: 9	2.81	65	75	.00	.00	0	0	1113	.0	4
2725.0	22:12	2.93	63	76	.00	.00	0	0	1110	.0	5
2730.0	22:14	2.93	63	76	.00	.00	0	0	1109	.0	5
2735.0	22:17	2.94	64	76	.00	.00	0	0	1109	.0	5
783											
2740.0	22:19	2.89	64	75	.00	.00	0	0	1109	.0	4
2745.0	22:26	2.77	65	75	.00	.00	0	0	1114	.0	5
2750.0	22:29	2.77	62	74	.00	.00	0	0	1120	.0	5
2755.0	22:32	2.89	60	75	.00	.00	0	0	1114	.0	5
2760.0	22:34	3.01	63	75	.00	.00	0	0	1114	.0	4
2765.0	22:36	3.10	66	75	.00	.00	0	0	1117	.0	4
2770.0	22:39	3.11	66	75	.00	.00	0	0	1120	.0	3
2775.0	22:47	2.96	67	75	.00	.00	0	0	1118	.0	4
2780.0	22:49	2.96	68	74	.00	.00	0	0	1103	.0	5
2785.0	22:52	3.09	68	75	.00	.00	0	0	1104	.0	4
826											
2790.0	22:55	3.10	68	75	.00	.00	0	0	1107	.0	5
2795.0	22:57	3.15	68	75	.00	.00	0	0	1104	.0	5
2800.0	22:59	3.13	68	75	.00	.00	0	0	1103	.0	4
2810.0	23: 6	3.03	68	75	.00	.00	0	0	1099	.0	4
2815.0	23: 8	3.03	68	74	.00	.00	0	0	1098	.0	5
2820.0	23:10	3.04	68	75	.00	.00	0	0	1095	.0	5
2825.0	23:13	2.98	68	76	.00	.00	0	0	1094	.0	5
2830.0	23:15	3.00	68	76	.00	.00	0	0	1095	.0	5
2835.0	23:17	2.99	68	76	.00	.00	0	0	1096	.0	4
2840.0	23:23	2.99	69	77	.00	.00	0	0	1114	.0	5
873											
2845.0	23:25	3.02	69	76	.00	.00	0	0	1120	.0	5
2850.0	23:27	3.02	69	77	.00	.00	0	0	1108	.0	5
2860.0	23:31	3.03	69	77	.00	.00	0	0	1109	.0	7
2865.0	23:33	3.04	69	77	.00	.00	0	0	1112	.0	5
2870.0	23:40	2.98	69	77	.00	.00	0	0	1113	.0	4
2875.0	23:46	2.62	70	77	.00	.00	0	0	1118	.0	5
2880.0	23:51	2.89	70	78	.00	.00	0	0	1116	.0	5
2885.0	23:52	2.82	70	78	.00	.00	0	0	1116	.0	2
2890.0	0: 3	2.88	70	78	.00	.00	0	0	1105	.0	1
2895.0	0: 3	2.77	70	78	.00	.00	0	0	1113	.0	1
913											

DEPTH	TIME	RS	MTI	MTO	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
913											
2900.0	0: 4	2.76	70	78	.00	.00	0	0	1113	.0	1
2905.0	0: 4	3.01	70	78	.00	.00	0	0	1113	.0	1
2911.0	0: 5	2.89	70	79	.00	.00	0	0	1113	.0	2
NEW BIT ID: 3											
2915.0	36:24	1.31	65	74	.00	.00	5	5	544	.0	3
2920.0	36:24	3.45	65	75	.00	.00	5	5	540	.0	1
2925.0	0:14	2.00	65	70	.00	.00	5	5	787	.0	1
2930.0	0:15	2.77	65	73	.00	.00	5	5	580	.0	1
2935.0	0:17	3.19	65	73	.00	.00	5	5	634	.0	1
2940.0	0:21	2.91	64	74	.00	.00	5	5	902	.0	5
2945.0	0:27	2.94	64	75	.00	.00	5	5	758	.0	5
938											
2950.0	0:30	3.17	64	76	.00	.00	5	5	783	.0	4
2955.0	0:34	3.08	65	76	.00	.00	5	5	719	.0	5
2960.0	0:38	3.11	65	76	.00	.00	5	5	671	.0	5
2965.0	0:49	3.13	65	76	.00	.00	5	5	617	.0	5
2970.0	0:53	3.32	66	75	.00	.00	5	5	479	.0	5
2975.0	0:56	3.33	66	75	.00	.00	5	5	507	.0	4
2980.0	0:59	3.47	66	75	.00	.00	5	5	534	.0	3
2985.0	1: 1	3.17	66	75	.00	.00	5	5	715	.0	5
2990.0	1: 3	3.13	66	75	.00	.00	5	5	732	.0	3
2995.0	1:17	3.05	66	75	.00	.00	5	5	703	.0	3
980											
3000.0	1:20	3.39	66	74	.00	.00	5	5	505	.0	5
3005.0	1:23	3.41	66	72	.00	.00	5	5	511	.0	4
3010.0	1:27	3.51	66	73	.00	.00	5	5	512	.0	5
3015.0	1:31	3.60	66	74	.00	.00	5	5	513	.0	5
3020.0	1:35	3.53	66	74	.00	.00	5	5	512	.0	4
3025.0	1:37	3.30	66	74	.00	.00	5	5	512	.0	5
3030.0	1:40	3.32	66	74	.00	.00	5	5	514	.0	5
3035.0	1:42	3.38	66	74	.00	.00	5	5	515	.0	5
3040.0	1:55	3.38	65	73	.00	.00	5	5	515	.0	4
3045.0	2: 0	3.52	65	73	.00	.00	5	5	518	.0	5
1027											
3050.0	2: 2	3.40	65	73	.00	.00	5	5	519	.0	5
3055.0	2: 5	3.45	65	74	.00	.00	5	5	519	.0	4
3060.0	2:22	3.02	65	73	.00	.00	5	5	531	.0	1
3065.0	2:24	3.30	65	72	.00	.00	5	5	538	.0	3
3070.0	2:27	3.35	65	73	.00	.00	5	5	539	.0	5
3075.0	2:29	3.37	65	73	.00	.00	5	5	542	.0	5
3080.0	2:31	3.40	65	74	.00	.00	5	5	542	.0	4
3085.0	2:34	3.46	65	74	.00	.00	5	5	542	.0	5
3090.0	2:43	3.12	65	74	.00	.00	5	5	541	.0	2
3095.0	2:45	3.42	65	74	.00	.00	5	5	536	.0	4
1065											
3100.0	2:48	3.49	65	73	.00	.00	5	5	538	.0	5
3105.0	2:52	3.60	65	73	.00	.00	5	5	539	.0	5
3110.0	2:56	3.66	65	74	.00	.00	5	5	542	.0	4
3115.0	3: 0	3.71	65	74	.00	.00	5	5	543	.0	5
3120.0	3: 3	3.56	65	73	.00	.00	5	5	543	.0	4
3125.0	3:14	3.49	65	73	.00	.00	5	5	758	.0	4
3130.0	3:17	3.58	65	74	.00	.00	5	5	777	.0	5

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
1097											
3135.0	3:20	3.56	66	74	.00	.00	5	5	778	.0	5
3140.0	3:23	3.51	66	75	.00	.00	5	5	777	.0	4
3145.0	3:26	3.53	66	75	.00	.00	5	5	781	.0	4
3150.0	3:28	3.48	66	75	.00	.00	5	5	780	.0	4
3155.0	3:38	3.13	66	75	.00	.00	5	5	771	.0	2
3160.0	3:40	3.44	67	75	.00	.00	5	5	766	.0	2
3165.0	3:42	3.26	67	75	.00	.00	5	5	767	.0	2
3170.0	3:44	3.45	67	76	.00	.00	5	5	769	.0	3
3175.0	3:45	3.29	67	76	.00	.00	5	5	770	.0	5
3180.0	3:47	3.31	67	77	.00	.00	5	5	772	.0	3
1131											
3185.0	3:55	3.20	67	77	.00	.00	5	5	794	.0	3
3190.0	3:57	3.21	67	76	.00	.00	5	5	815	.0	3
3195.0	4: 0	3.52	67	77	.00	.00	5	5	815	.0	5
3200.0	4: 2	3.35	67	78	.00	.00	5	5	815	.0	4
3205.0	4: 4	3.25	67	78	.00	.00	5	5	815	.0	4
3210.0	4: 6	3.32	67	78	.00	.00	5	5	814	.0	5
3215.0	4:14	2.99	67	78	.00	.00	5	5	813	.0	2
3220.0	4:17	3.56	68	77	.00	.00	5	5	813	.0	4
3225.0	4:20	3.50	68	78	.00	.00	5	5	813	.0	4
3230.0	4:23	3.60	69	79	.00	.00	5	5	815	.0	5
1170											
3235.0	4:26	3.61	69	79	.00	.00	5	5	814	.0	5
3240.0	4:30	3.56	69	80	.00	.00	5	5	814	.0	5
3245.0	4:39	3.66	69	78	.00	.00	5	5	799	.0	4
3250.0	4:42	3.60	70	79	.00	.00	5	5	811	.0	5
3255.0	4:45	3.61	71	80	.00	.00	5	5	816	.0	3
3260.0	4:49	3.58	71	81	.00	.00	5	5	816	.0	5
3265.0	4:52	3.59	72	81	.00	.00	5	5	816	.0	3
3270.0	4:57	3.66	72	82	.00	.00	5	5	816	.0	4
3275.0	4:58	3.72	72	83	.00	.00	5	5	818	.0	2
3280.0	5: 7	3.69	72	82	.00	.00	5	5	805	.0	2
1208											
3285.0	5:11	3.61	72	81	.00	.00	5	5	776	.0	3
3290.0	5:14	3.65	72	82	.00	.00	5	5	736	.0	5
3295.0	5:19	3.73	72	83	.00	.00	5	5	735	.0	5
3300.0	5:23	3.61	72	83	.00	.00	5	5	736	.0	4
3305.0	5:27	3.62	73	83	.00	.00	5	5	736	.0	5
3310.0	5:40	3.65	74	83	.00	.00	5	5	723	.0	5
3315.0	5:45	3.67	74	83	.00	.00	5	5	735	.0	5
3320.0	5:49	3.60	73	83	.00	.00	5	5	740	.0	4
3325.0	5:53	3.64	73	83	.00	.00	5	5	743	.0	5
3330.0	5:57	3.53	74	84	.00	.00	5	5	746	.0	5
1254											
3335.0	6: 9	3.24	74	86	.00	.00	5	5	825	.0	5
3340.0	6:14	3.64	75	87	.00	.00	10	4	847	.0	4
3345.0	6:28	3.43	76	86	.00	.00	10	4	850	.0	3
3350.0	6:34	3.56	76	86	.00	.00	10	4	845	.0	5
3355.0	6:39	3.53	76	87	.00	.00	10	4	844	.0	5
3360.0	6:44	3.53	77	87	.00	.00	10	4	847	.0	5
3365.0	6:49	3.41	77	87	.00	.00	10	4	847	.0	5
3370.0	6:58	3.50	77	88	.00	.00	10	4	836	.0	5
3375.0	7: 1	3.44	77	87	.00	.00	10	4	809	.0	3
3380.0	7: 6	3.55	77	87	.00	.00	10	4	841	.0	5
1299											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
1299											
3385.0	7:10	3.66	77	87	.00	.00	10	4	841	.0	5
3390.0	7:14	3.58	77	87	.00	.00	10	4	842	.0	5
3395.0	7:19	3.71	78	86	.00	.00	10	4	844	.0	5
3400.0	7:26	3.60	78	88	.00	.00	10	4	841	.0	5
3405.0	7:36	3.51	79	89	.00	.00	10	4	840	.0	5
3410.0	7:41	3.65	79	89	.00	.00	10	4	841	.0	5
3415.0	7:46	3.67	76	88	.00	.00	10	4	842	.0	5
3420.0	7:52	3.78	77	88	.00	.00	10	4	842	.0	3
3425.0	7:57	3.72	79	89	.00	.00	10	4	842	.0	4
3430.0	8: 1	3.56	80	89	.00	.00	10	4	846	.0	4
1345											
3435.0	8:10	3.69	80	89	.00	.00	10	4	840	.0	5
3440.0	8:15	3.62	80	90	.00	.00	10	4	845	.0	4
3445.0	8:20	3.74	80	90	.00	.00	10	4	844	.0	4
3450.0	8:24	3.71	79	90	.00	.00	10	4	845	.0	4
3455.0	8:29	3.76	80	91	.00	.00	10	4	848	.0	5
3460.0	8:33	3.70	80	91	.00	.00	10	4	846	.0	5
3465.0	8:43	3.78	78	91	.00	.00	10	4	821	.0	4
3470.0	8:44	3.65	76	88	.00	.00	10	4	759	.0	2
3475.0	8:48	3.71	77	88	.00	.00	10	4	847	.0	5
3480.0	8:51	3.72	77	88	.00	.00	10	4	836	.0	4
1387											
3485.0	8:54	3.68	78	89	.00	.00	10	4	838	.0	5
3490.0	8:57	3.65	79	88	.00	.00	10	4	838	.0	5
3495.0	9: 0	3.78	80	89	.00	.00	10	4	838	.0	4
3500.0	9:10	3.67	80	89	.00	.00	10	4	845	.0	3
3505.0	9:12	3.65	80	89	.00	.00	10	4	843	.0	4
3510.0	9:16	3.77	80	91	.00	.00	10	4	843	.0	5
3515.0	9:19	3.67	80	91	.00	.00	10	4	844	.0	4
3520.0	9:22	3.64	80	91	.00	.00	10	4	846	.0	4
3525.0	9:26	3.83	79	91	.00	.00	10	4	844	.0	5
3530.0	9:34	3.73	77	90	.00	.00	10	4	825	.0	3
1429											
3535.0	9:39	3.82	78	90	.00	.00	10	4	854	.0	5
3540.0	9:42	3.68	79	91	.00	.00	10	4	843	.0	5
3545.0	9:46	3.69	79	92	.00	.00	10	4	841	.0	5
3550.0	9:48	3.76	80	91	.00	.00	10	4	842	.0	3
3555.0	9:52	3.79	81	91	.00	.00	10	4	842	.0	4
3560.0	9:55	3.77	81	91	.00	.00	10	4	842	.0	5
3565.0	10: 5	3.66	81	90	.00	.00	10	4	857	.0	5
3570.0	10: 9	3.72	81	91	.00	.00	10	4	848	.0	5
3575.0	10:11	3.61	81	92	.00	.00	10	4	842	.0	5
3580.0	10:15	3.76	81	92	.00	.00	10	4	840	.0	5
1476											
3585.0	10:18	3.63	81	92	.00	.00	10	4	842	.0	5
3590.0	10:22	3.82	81	92	.00	.00	10	4	842	.0	5
3595.0	10:33	3.75	81	91	.00	.00	10	4	836	.0	4
3600.0	10:35	3.78	81	92	.00	.00	10	4	843	.0	4
3605.0	10:38	3.65	81	92	.00	.00	10	4	837	.0	3
3610.0	10:41	3.73	81	92	.00	.00	10	4	837	.0	4
3615.0	10:46	3.89	81	92	.00	.00	10	4	837	.0	4
3620.0	10:49	3.75	81	92	.00	.00	10	4	840	.0	4
3625.0	11: 4	3.84	81	91	.00	.00	10	4	842	.0	3
3630.0	11: 5	3.49	81	91	.00	.00	10	4	855	.0	2
1514											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
	1514										
3635.0	11: 7	3.84	81	92	.00	.00	10	4	855	.0	2
3640.0	11: 9	3.67	81	92	.00	.00	10	4	855	.0	1
3645.0	11:12	3.73	81	93	.00	.00	10	4	855	.0	2
3650.0	11:16	3.76	81	92	.00	.00	10	4	855	.0	1
3655.0	11:18	3.74	81	92	.00	.00	10	4	855	.0	1
3660.0	11:19	3.84	81	92	.00	.00	10	4	857	.0	1
3665.0	11:20	3.53	81	92	.00	.00	10	4	857	.0	1
3670.0	11:21	3.64	80	92	.00	.00	10	4	857	.0	1
3675.0	11:22	3.73	81	92	.00	.00	10	4	857	.0	1
3680.0	11:23	3.62	81	92	.00	.00	10	4	857	.0	1
	1526										
3685.0	11:24	3.76	81	92	.00	.00	10	4	857	.0	1
3690.0	11:37	3.58	81	92	.00	.00	10	4	843	.0	4
3695.0	11:43	3.89	82	92	.00	.00	10	4	839	.0	5
3700.0	11:47	3.66	81	93	.00	.00	10	4	838	.0	4
3705.0	11:51	3.81	81	93	.00	.00	9	5	825	.0	4
3710.0	11:55	3.75	82	93	.00	.00	8	5	817	.0	5
3715.0	12: 1	3.85	82	92	.00	.00	8	5	817	.0	4
3720.0	12:11	3.80	82	91	.00	.00	8	5	814	.0	4
3725.0	12:16	3.88	82	92	.00	.00	8	5	814	.0	5
3730.0	12:20	3.80	82	92	.00	.00	8	5	815	.0	5
	1567										
3735.0	12:23	3.70	82	92	.00	.00	8	5	817	.0	5
3740.0	12:28	3.88	82	91	.00	.00	8	5	817	.0	4
3745.0	12:32	3.80	82	91	.00	.00	8	5	814	.0	5
3750.0	12:41	3.83	83	91	.00	.00	8	5	803	.0	3
3755.0	12:45	3.71	82	92	.00	.00	8	5	804	.0	5
3760.0	12:50	3.84	82	94	.00	.00	8	5	804	.0	5
3765.0	12:53	3.73	82	95	.00	.00	8	5	804	.0	5
3770.0	12:58	3.78	82	95	.00	.00	8	5	807	.0	5
3775.0	13: 2	3.73	83	94	.00	.00	8	5	813	.0	4
3780.0	13:14	3.79	83	94	.00	.00	8	5	813	.0	4
	1612										
3785.0	13:17	3.78	83	94	.00	.00	8	5	799	.0	4
3790.0	13:21	3.78	83	95	.00	.00	8	5	802	.0	5
3795.0	13:24	3.76	83	97	.00	.00	8	5	804	.0	3
3800.0	13:28	3.79	83	97	.00	.00	8	5	805	.0	5
3805.0	13:32	3.80	83	97	.00	.00	8	5	805	.0	5
3810.0	13:35	3.68	83	96	.00	.00	8	5	806	.0	5
3815.0	13:49	3.65	83	94	.00	.00	8	5	805	.0	4
3820.0	13:53	3.52	83	94	.00	.00	8	5	808	.0	4
3825.0	13:56	3.51	83	94	.00	.00	8	5	808	.0	4
3830.0	14: 0	3.72	83	95	.00	.00	8	5	808	.0	5
	1656										
3835.0	14: 4	3.83	83	96	.00	.00	8	5	808	.0	4
3840.0	14:16	3.80	83	95	.00	.00	8	5	808	.0	5
3845.0	14:21	3.90	83	94	.00	.00	8	5	798	.0	4
3850.0	14:25	3.76	83	94	.00	.00	8	5	803	.0	5
3855.0	14:28	3.77	83	94	.00	.00	8	5	803	.0	4
3860.0	14:33	3.88	82	94	.00	.00	8	5	805	.0	5
3865.0	14:37	3.74	82	94	.00	.00	8	5	808	.0	5
3870.0	14:48	3.85	82	94	.00	.00	8	5	808	.0	5
3875.0	14:49	3.78	82	93	.00	.00	8	5	813	.0	1
3880.0	14:52	3.79	82	93	.00	.00	8	5	813	.0	4
	1698										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1698											
3885.0	14:56	3.73	82	94	.00	.00	8	5	814	.0	4
3890.0	15: 1	3.89	82	93	.00	.00	8	5	814	.0	5
3895.0	15: 5	3.82	82	93	.00	.00	8	5	817	.0	3
3900.0	15: 9	3.85	82	92	.00	.00	8	5	817	.0	3
3905.0	15:13	3.91	82	92	.00	.00	8	5	817	.0	4
3910.0	15:24	3.77	82	92	.00	.00	8	5	805	.0	3
3915.0	15:27	3.82	82	92	.00	.00	8	5	806	.0	4
3920.0	15:31	3.80	82	92	.00	.00	8	5	809	.0	5
3925.0	15:36	3.90	82	92	.00	.00	8	5	810	.0	5
3930.0	15:40	3.97	81	92	.00	.00	8	5	813	.0	4
1738											
3935.0	15:44	3.84	81	92	.00	.00	8	5	814	.0	5
3940.0	16:27	3.75	79	92	.00	.00	8	5	804	.0	5
3945.0	16:30	3.70	76	90	.00	.00	8	5	807	.0	3
3950.0	16:33	3.76	76	91	.00	.00	8	5	811	.0	5
3955.0	16:36	3.74	76	91	.00	.00	8	5	814	.0	4
3960.0	16:40	3.78	76	91	.00	.00	8	5	813	.0	1
3965.0	16:44	3.85	76	90	.00	.00	8	5	813	.0	2
3970.0	17: 0	3.98	77	90	.00	.00	8	5	806	.0	4
3975.0	17: 4	3.74	77	89	.00	.00	8	5	803	.0	4
3980.0	17: 7	3.67	76	90	.00	.00	8	5	802	.0	5
1776											
3985.0	17: 9	4.19	76	90	.00	.00	8	5	804	.0	1
3990.0	17:18	3.89	75	90	.00	.00	8	5	800	.0	1
3995.0	17:27	3.83	72	89	.00	.00	8	5	785	.0	1
4000.0	17:35	3.95	72	87	.00	.00	8	5	803	.0	1
4010.0	17:46	3.90	74	87	.00	.00	8	5	806	.0	1
4015.0	17:49	3.87	75	88	.00	.00	8	5	806	.0	1
4020.0	17:50	3.90	75	88	.00	.00	8	5	806	.0	1
4025.0	17:59	4.04	76	87	.00	.00	8	5	806	.0	1
4030.0	18: 9	3.80	76	88	.00	.00	8	5	806	.0	1
4035.0	18:25	4.20	75	87	.00	.00	8	5	731	.0	6
1791											
4040.0	18:30	3.90	75	87	.00	.00	8	5	804	.0	4
4045.0	18:34	3.92	74	86	.00	.00	8	5	805	.0	5
4050.0	18:38	3.86	74	86	.00	.00	8	5	805	.0	5
4055.0	18:41	3.82	74	86	.00	.00	8	5	805	.0	3
4060.0	18:49	3.26	74	85	.00	.00	8	5	808	.0	1
4065.0	18:52	3.76	74	84	.00	.00	8	5	813	.0	3
4070.0	18:57	3.94	74	85	.00	.00	8	5	819	.0	5
4075.0	19: 2	3.93	74	84	.00	.00	8	5	822	.0	5
4080.0	19: 6	3.89	74	84	.00	.00	8	5	827	.0	5
4085.0	19:12	4.08	74	85	.00	.00	8	5	826	.0	5
1832											
4090.0	19:15	3.90	74	86	.00	.00	8	5	830	.0	5
4095.0	19:26	3.96	74	86	.00	.00	8	5	827	.0	5
4100.0	19:31	4.05	75	85	.00	.00	8	5	827	.0	5
4105.0	19:36	3.95	75	86	.00	.00	8	5	831	.0	5
4110.0	19:40	3.93	75	86	.00	.00	8	5	832	.0	5
4115.0	19:46	4.05	75	86	.00	.00	8	5	831	.0	5
4120.0	19:49	3.87	76	86	.00	.00	8	5	831	.0	5
4125.0	19:51	4.27	76	86	.00	.00	8	5	832	.0	1
4130.0	1:47	3.75	71	84	.00	.00	10	6	827	.0	5
4135.0	1:56	3.81	69	83	.00	.00	10	6	817	.0	5
1882											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1882											
4140.0	2: 2	3.73	70	84	.00	.00	10	6	821	.0	5
4145.0	2: 9	3.76	72	83	.00	.00	10	6	821	.0	5
4150.0	2:15	3.72	73	84	.00	.00	10	6	820	.0	5
4155.0	2:21	3.80	74	84	.00	.00	10	6	817	.0	5
4160.0	2:31	3.78	74	84	.00	.00	10	6	680	.0	5
4165.0	2:34	3.87	75	84	.00	.00	10	6	494	.0	5
4170.0	2:38	3.74	75	84	.00	.00	10	6	788	.0	4
4175.0	2:41	3.77	75	84	.00	.00	10	6	817	.0	4
4180.0	2:44	3.73	75	84	.00	.00	10	6	813	.0	5
4185.0	2:46	3.74	75	85	.00	.00	10	6	820	.0	3
1928											
4190.0	2:53	3.49	75	85	.00	.00	10	6	814	.0	4
4195.0	2:55	3.58	75	85	.00	.00	10	6	812	.0	4
4200.0	2:58	3.68	75	85	.00	.00	10	6	815	.0	3
4205.0	3: 0	3.72	75	86	.00	.00	10	6	819	.0	5
4210.0	3: 2	3.68	75	86	.00	.00	10	6	820	.0	2
4215.0	3: 3	3.66	75	86	.00	.00	10	6	820	.0	1
4220.0	3: 5	3.70	75	86	.00	.00	10	6	824	.0	4
4225.0	3:13	3.68	75	86	.00	.00	10	6	812	.0	4
4230.0	3:16	3.75	76	86	.00	.00	10	6	809	.0	4
4235.0	3:18	3.59	76	86	.00	.00	10	6	805	.0	3
1962											
4240.0	3:20	3.71	76	86	.00	.00	10	6	824	.0	5
4245.0	3:23	3.72	75	86	.00	.00	9	6	825	.0	4
4250.0	3:25	3.72	75	86	.00	.00	8	5	835	.0	3
4255.0	3:33	3.69	75	86	.00	.00	8	5	831	.0	5
4260.0	3:36	3.57	75	87	.00	.00	8	5	831	.0	5
4265.0	3:38	3.62	75	87	.00	.00	8	5	831	.0	4
4270.0	3:40	3.63	75	86	.00	.00	8	5	832	.0	4
4275.0	3:42	3.65	75	86	.00	.00	8	5	832	.0	5
4280.0	3:44	3.61	75	86	.00	.00	8	5	831	.0	5
4285.0	3:54	3.54	75	86	.00	.00	8	5	814	.0	3
2005											
4290.0	3:57	3.65	75	96	.00	.00	8	5	806	.0	4
4295.0	3:58	3.63	75	87	.00	.00	8	5	825	.0	4
4300.0	4: 4	3.67	75	86	.00	.00	8	5	831	.0	3
4305.0	4: 7	3.63	76	87	.00	.00	8	5	827	.0	4
4310.0	4: 9	3.62	76	88	.00	.00	8	5	829	.0	4
4320.0	4:18	3.46	76	88	.00	.00	8	5	825	.0	7
4325.0	4:21	3.54	76	88	.00	.00	8	5	827	.0	4
4330.0	4:23	3.49	76	88	.00	.00	8	5	827	.0	3
4335.0	4:25	3.48	76	88	.00	.00	8	5	835	.0	3
4340.0	4:26	3.38	76	88	.00	.00	8	5	833	.0	4
2045											
4350.0	4:35	3.34	76	88	.00	.00	8	5	837	.0	4
4355.0	4:37	3.38	77	87	.00	.00	8	5	839	.0	4
4360.0	4:38	3.30	77	88	.00	.00	8	5	839	.0	1
4365.0	4:40	3.35	77	89	.00	.00	8	5	840	.0	2
4370.0	4:41	3.50	77	89	.00	.00	8	5	841	.0	2
4380.0	4:50	3.39	77	89	.00	.00	8	5	838	.0	4
4390.0	4:54	3.47	78	88	.00	.00	8	5	824	.0	6
4395.0	4:56	3.51	78	88	.00	.00	8	5	836	.0	3
4400.0	4:58	3.56	78	88	.00	.00	8	5	823	.0	5
4405.0	5: 0	3.60	78	88	.00	.00	8	5	824	.0	5
2081											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV RECDS	
2081											
4410.0	5:14	3.66	78	89	.00	.00	8	5	823	.0	4
4415.0	5:17	3.73	78	90	.00	.00	8	5	823	.0	4
4420.0	5:19	3.68	78	89	.00	.00	8	5	823	.0	4
4425.0	5:21	3.67	79	89	.00	.00	8	5	823	.0	4
4430.0	5:30	3.38	79	90	.00	.00	8	5	817	.0	2
4440.0	5:31	3.56	79	90	.00	.00	8	5	816	.0	2
4445.0	5:32	3.30	79	90	.00	.00	8	5	816	.0	2
4450.0	5:34	3.59	79	90	.00	.00	8	5	816	.0	5
4455.0	5:37	3.67	79	90	.00	.00	8	5	818	.0	5
4460.0	5:39	3.63	79	90	.00	.00	8	5	820	.0	5
2118											
4470.0	5:44	3.64	79	90	.00	.00	8	5	823	.0	9
4480.0	5:58	3.55	80	90	.00	.00	8	5	810	.0	7
4485.0	6: 0	3.50	80	91	.00	.00	8	5	809	.0	4
4490.0	6: 2	3.46	80	91	.00	.00	8	5	812	.0	3
4500.0	6: 6	3.52	80	91	.00	.00	8	5	812	.0	6
4510.0	6:14	3.25	80	90	.00	.00	8	5	822	.0	5
4515.0	6:16	3.44	80	90	.00	.00	8	5	834	.0	2
4520.0	6:17	3.45	80	90	.00	.00	8	5	835	.0	3
4525.0	6:19	3.40	80	90	.00	.00	8	5	837	.0	2
4530.0	6:20	3.36	80	91	.00	.00	8	5	837	.0	2
2161											
4540.0	6:31	3.26	80	91	.00	.00	8	5	839	.0	2
4545.0	6:34	3.49	81	92	.00	.00	8	5	843	.0	5
4550.0	6:41	3.27	81	92	.00	.00	8	5	844	.0	5
4560.0	6:42	3.49	81	92	.00	.00	8	5	842	.0	1
4565.0	6:43	2.82	82	91	.00	.00	8	5	840	.0	1
4570.0	6:43	3.72	82	91	.00	.00	8	5	840	.0	1
4580.0	6:47	3.48	82	92	.00	.00	8	5	833	.0	9
4585.0	6:48	3.40	82	92	.00	.00	8	5	822	.0	4
4590.0	6:50	3.38	82	93	.00	.00	8	5	821	.0	3
4600.0	6:59	3.40	82	92	.00	.00	8	5	822	.0	4
2196											
4610.0	7: 3	3.50	82	93	.00	.00	8	5	815	.0	5
4615.0	7: 5	3.56	82	94	.00	.00	8	5	833	.0	4
4620.0	7: 7	3.60	82	94	.00	.00	8	5	835	.0	5
4625.0	7:15	3.48	82	94	.00	.00	8	5	835	.0	4
4630.0	7:17	3.57	82	94	.00	.00	8	5	826	.0	3
4640.0	7:20	3.61	82	94	.00	.00	8	5	827	.0	5
4645.0	7:22	3.67	82	94	.00	.00	8	5	829	.0	5
4650.0	7:24	3.70	82	95	.00	.00	8	5	832	.0	2
4655.0	7:26	3.53	83	95	.00	.00	8	5	832	.0	4
4660.0	7:27	3.39	83	95	.00	.00	8	5	832	.0	2
2235											
4665.0	7:36	3.25	83	95	.00	.00	8	5	830	.0	3
4670.0	7:38	3.46	83	96	.00	.00	8	5	828	.0	1
4675.0	7:39	3.35	83	95	.00	.00	8	5	828	.0	1
4680.0	7:41	3.53	83	95	.00	.00	8	5	830	.0	2
4690.0	7:51	3.35	84	95	.00	.00	8	5	832	.0	4
4695.0	7:52	3.18	84	95	.00	.00	8	5	832	.0	1
4700.0	7:53	3.42	84	95	.00	.00	8	5	832	.0	1
4710.0	7:56	3.41	84	95	.00	.00	8	5	833	.0	4
4715.0	7:57	3.37	84	96	.00	.00	8	5	835	.0	2
4720.0	8: 4	3.54	84	96	.00	.00	8	5	835	.0	3
2257											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV	RECDS
2257											
4725.0	8: 4	3.48	84	95	.00	.00	8	5	828	.0	2
4730.0	8: 6	3.42	84	95	.00	.00	8	5	830	.0	3
4735.0	8: 8	3.42	84	95	.00	.00	8	5	835	.0	4
4740.0	8:10	3.44	84	94	.00	.00	8	5	838	.0	5
4745.0	8:11	3.50	84	94	.00	.00	8	5	843	.0	2
4750.0	8:13	3.45	84	95	.00	.00	8	5	842	.0	3
4755.0	8:21	3.47	84	96	.00	.00	8	5	844	.0	4
4760.0	8:23	3.41	84	95	.00	.00	8	5	820	.0	3
4765.0	8:25	3.55	84	95	.00	.00	8	5	828	.0	3
4770.0	8:26	3.53	84	95	.00	.00	8	5	828	.0	2
2288											
4780.0	8:29	3.51	84	95	.00	.00	8	5	827	.0	7
4785.0	8:31	3.50	84	94	.00	.00	8	5	828	.0	1
4790.0	8:37	3.39	84	94	.00	.00	8	5	828	.0	2
4795.0	8:39	3.48	84	94	.00	.00	8	5	831	.0	4
4800.0	8:41	3.45	84	94	.00	.00	8	5	837	.0	3
4810.0	8:43	3.43	84	93	.00	.00	8	5	839	.0	6
4820.0	8:52	3.43	84	94	.00	.00	8	5	838	.0	3
4830.0	8:55	3.46	84	95	.00	.00	8	5	825	.0	6
4835.0	9:12	3.36	84	95	.00	.00	8	5	827	.0	3
4840.0	9:14	3.54	84	94	.00	.00	8	5	827	.0	3
2326											
4845.0	9:16	3.50	84	95	.00	.00	8	5	830	.0	2
4850.0	9:17	3.41	84	95	.00	.00	8	5	831	.0	3
4855.0	9:25	3.38	85	97	.00	.00	8	5	836	.0	2
4860.0	9:27	3.43	85	97	.00	.00	8	5	836	.0	3
4870.0	9:30	3.31	85	98	.00	.00	8	5	838	.0	3
4880.0	9:41	3.42	86	97	.00	.00	8	5	825	.0	4
4885.0	9:42	3.33	86	96	.00	.00	8	5	822	.0	4
4945.0	36:24	3.40	87	99	.00	.00	8	6	678	.0	3
4950.0	36:24	3.44	87	98	.00	.00	8	6	677	.0	5
4955.0	36:24	3.34	86	97	.00	.00	8	6	676	.0	4
2359											
4960.0	36:24	3.44	86	97	.00	.00	8	6	681	.0	3
4965.0	36:24	3.42	85	97	.00	.00	8	6	686	.0	2
4970.0	36:24	3.48	85	98	.00	.00	8	6	683	.0	3
4975.0	36:24	3.38	85	98	.00	.00	8	6	693	.0	4
4980.0	36:24	3.26	84	98	.00	.00	8	6	684	.0	4
4985.0	36:24	3.41	84	97	.00	.00	8	6	685	.0	4
4990.0	36:24	3.48	84	97	.00	.00	8	6	686	.0	2
4995.0	36:24	3.48	84	97	.00	.00	8	6	690	.0	5
5000.0	36:24	3.46	84	98	.00	.00	8	6	688	.0	4
5005.0	36:24	3.38	84	97	.00	.00	8	6	691	.0	4
2394											
5010.0	36:24	3.44	84	97	.00	.00	8	6	646	.0	3
5015.0	22:56	3.67	84	96	.00	.00	8	6	814	.0	3
5020.0	23: 0	3.67	84	96	.00	.00	8	5	822	.0	5
5025.0	23: 5	3.65	84	96	.00	.00	8	5	816	.0	5
5030.0	23:10	3.65	84	96	.00	.00	8	5	816	.0	5
5035.0	23:19	4.01	84	96	.00	.00	8	5	788	.0	5
5040.0	23:24	3.94	84	96	.00	.00	8	5	786	.0	5
5045.0	23:29	3.75	83	94	.00	.00	8	5	787	.0	5
5050.0	23:33	3.74	83	94	.00	.00	8	5	792	.0	5
5055.0	23:39	3.74	83	94	.00	.00	8	5	792	.0	5
2440											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
2440											
5060.0	23:46	3.75	83	94	.00	.00	8	5	792	.0	5
5065.0	23:58	3.74	80	92	.00	.00	8	5	792	.0	5
5070.0	0: 4	3.75	80	92	.00	.00	8	5	792	.0	5
5075.0	0:10	3.75	80	92	.00	.00	8	5	792	.0	5
5080.0	0:14	3.75	80	92	.00	.00	8	5	790	.0	5
5085.0	0:19	3.74	80	92	.00	.00	8	5	790	.0	4
5090.0	0:24	3.74	80	92	.00	.00	8	5	790	.0	5
5095.0	0:32	3.64	78	90	.00	.00	8	5	790	.0	4
5100.0	0:36	3.64	78	90	.00	.00	8	5	790	.0	5
5105.0	0:40	3.67	78	90	.00	.00	8	5	790	.0	5
2488											
5110.0	0:43	3.67	78	90	.00	.00	8	5	790	.0	5
5115.0	0:48	3.64	78	90	.00	.00	8	5	790	.0	5
5120.0	0:54	3.64	78	90	.00	.00	8	5	790	.0	5
5125.0	1: 0	3.70	78	86	.00	.00	8	5	781	.0	5
5130.0	1: 5	3.70	78	86	.00	.00	8	5	781	.0	2
5135.0	1: 9	3.73	78	86	.00	.00	8	5	781	.0	5
5140.0	1:14	3.73	78	86	.00	.00	8	5	781	.0	5
5145.0	1:18	3.70	78	86	.00	.00	8	5	781	.0	5
5150.0	1:23	3.70	78	86	.00	.00	8	5	781	.0	5
5155.0	1:28	3.72	76	87	.00	.00	8	5	781	.0	5
2535											
5160.0	1:32	3.72	76	87	.00	.00	8	5	781	.0	5
5165.0	1:47	3.72	76	87	.00	.00	8	5	781	.0	5
5170.0	1:52	3.72	76	87	.00	.00	8	5	781	.0	5
5175.0	1:57	3.74	76	87	.00	.00	8	5	781	.0	5
5180.0	2: 2	3.74	76	87	.00	.00	8	5	781	.0	5
5185.0	2: 6	4.03	75	87	.00	.00	8	5	793	.0	5
5190.0	2:10	3.90	75	87	.00	.00	8	5	793	.0	3
5195.0	2:21	4.14	75	87	.00	.00	8	5	785	.0	5
5200.0	2:26	4.15	75	87	.00	.00	8	5	795	.0	5
5205.0	2:32	4.16	75	87	.00	.00	8	5	792	.0	5
2583											
5210.0	2:38	4.15	75	87	.00	.00	8	5	792	.0	5
5215.0	2:43	3.77	74	87	.00	.00	8	5	781	.0	5
5220.0	2:49	3.77	74	87	.00	.00	8	5	781	.0	5
5225.0	3: 0	3.81	74	87	.00	.00	8	5	785	.0	5
5230.0	3: 6	3.81	74	87	.00	.00	8	5	785	.0	5
5235.0	3:10	3.76	74	87	.00	.00	8	5	788	.0	5
5240.0	3:15	3.76	74	87	.00	.00	8	5	788	.0	5
5245.0	3:20	3.50	74	86	.00	.00	8	5	788	.0	5
5250.0	3:24	3.50	74	86	.00	.00	8	5	788	.0	5
5255.0	3:37	3.63	74	86	.00	.00	8	5	788	.0	3
2631											
5260.0	3:42	3.63	74	86	.00	.00	8	5	788	.0	5
5265.0	3:46	3.75	74	86	.00	.00	8	5	788	.0	5
5270.0	3:52	3.75	74	86	.00	.00	8	5	788	.0	5
5275.0	3:57	3.51	73	86	.00	.00	8	5	746	.0	5
5280.0	4: 2	3.51	73	86	.00	.00	8	5	746	.0	5
5285.0	4: 8	3.51	73	86	.00	.00	8	5	746	.0	5
5290.0	4:21	3.51	73	86	.00	.00	8	5	746	.0	5
5295.0	4:26	3.87	74	87	.00	.00	8	5	746	.0	5
5310.0	0: 2	3.71	74	87	.00	.00	7	4	754	.0	3
5320.0	0: 8	3.88	74	87	.00	.00	7	4	766	.0	1
2675											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
2675											
5330.0	0:13	3.77	74	87	.00	.00	7	4	768	.0	1
5340.0	0:17	3.59	75	88	.00	.00	7	4	768	.0	1
5350.0	0:20	3.62	75	88	.00	.00	7	4	759	.0	1
5360.0	0:25	3.75	74	88	.00	.00	7	4	759	.0	1
5370.0	0:29	3.63	74	88	.00	.00	7	4	759	.0	1
5380.0	0:33	3.66	74	87	.00	.00	7	4	751	.0	1
5390.0	0:37	3.64	75	86	.00	.00	7	4	747	.0	1
5400.0	0:41	3.65	75	87	.00	.00	7	4	752	.0	1
5410.0	0:44	3.56	75	87	.00	.00	7	4	739	.0	1
5420.0	0:48	3.66	75	87	.00	.00	7	4	746	.0	1
2685											
5430.0	0:52	3.57	75	87	.00	.00	7	4	746	.0	1
5440.0	0:56	3.69	75	86	.00	.00	7	4	737	.0	1
5450.0	1: 0	3.72	75	86	.00	.00	7	4	732	.0	1
5460.0	1: 4	3.67	75	86	.00	.00	7	4	741	.0	1
5470.0	1: 8	3.64	75	86	.00	.00	7	4	744	.0	1
5480.0	1:13	3.81	76	87	.00	.00	7	4	731	.0	1
5500.0	1:17	3.63	76	87	.00	.00	7	4	742	.0	1
5520.0	0: 5	3.83	78	89	.00	.00	7	4	607	.0	1
5530.0	0:10	3.78	78	89	.00	.00	7	4	607	.0	1
5540.0	0:18	3.97	78	89	.00	.00	7	4	607	.0	1
2695											
5550.0	0:26	3.99	78	89	.00	.00	7	4	607	.0	1
5560.0	0:34	4.03	78	90	.00	.00	7	4	604	.0	1
5570.0	0:41	3.87	78	90	.00	.00	7	4	604	.0	1
5580.0	0:46	3.83	78	90	.00	.00	7	4	604	.0	1
5590.0	0:52	3.86	78	90	.00	.00	7	4	604	.0	1
5600.0	0:57	3.81	78	90	.00	.00	7	4	744	.0	1
5610.0	1: 2	3.73	78	90	.00	.00	7	4	742	.0	1
5620.0	1: 7	3.77	78	90	.00	.00	7	4	742	.0	1
5630.0	1:13	3.63	78	91	.00	.00	7	4	489	.0	1
5640.0	1:18	3.58	78	91	.00	.00	7	4	489	.0	1
2705											
5650.0	1:23	3.57	78	91	.00	.00	7	4	601	.0	1
5660.0	1:28	3.59	79	92	.00	.00	7	4	601	.0	1
5670.0	1:35	3.75	79	92	.00	.00	7	4	601	.0	1
5680.0	1:43	3.80	79	92	.00	.00	7	4	601	.0	1
5690.0	1:52	3.76	79	92	.00	.00	7	4	598	.0	1
5700.0	1:57	3.59	79	92	.00	.00	7	4	598	.0	1
5710.0	2: 2	3.55	79	92	.00	.00	7	4	598	.0	1
5720.0	2: 7	3.65	79	90	.00	.00	7	4	595	.0	1
5730.0	2:13	3.68	79	90	.00	.00	7	4	595	.0	1
5740.0	2:18	3.64	79	90	.00	.00	7	4	595	.0	1
2715											
5750.0	2:23	3.68	79	91	.00	.00	7	4	598	.0	1
5760.0	2:28	3.69	79	91	.00	.00	7	4	600	.0	1
5770.0	2:34	3.67	79	91	.00	.00	7	4	600	.0	1
5780.0	2:39	3.66	81	91	.00	.00	7	4	718	.0	1
5790.0	2:45	3.65	81	91	.00	.00	7	4	716	.0	1
5800.0	2:50	3.62	81	91	.00	.00	7	4	716	.0	1
5810.0	2:55	3.38	82	93	.00	.00	7	4	720	.0	1
5820.0	3: 0	3.40	82	93	.00	.00	7	4	716	.0	1
5830.0	3: 6	3.44	82	93	.00	.00	7	4	716	.0	1
5840.0	3:11	3.37	82	93	.00	.00	7	4	716	.0	1
2725											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
2725											
5850.0	3:16	3.35	82	93	.00	.00	7	4	723	.0	1
5860.0	3:21	3.36	82	93	.00	.00	7	4	723	.0	1
5870.0	3:26	3.32	82	93	.00	.00	7	4	723	.0	1
5880.0	3:31	3.35	82	93	.00	.00	7	4	723	.0	1
5890.0	3:36	3.30	81	92	.00	.00	7	4	717	.0	1
5900.0	3:40	3.29	81	92	.00	.00	7	4	717	.0	1
5910.0	3:45	3.38	82	92	.00	.00	7	4	705	.0	1
5920.0	3:51	3.45	82	92	.00	.00	7	4	705	.0	1
5930.0	3:56	3.43	87	98	.00	.00	7	4	705	.0	1
5940.0	4: 2	3.38	87	98	.00	.00	7	4	697	.0	1
2735											
5950.0	4: 7	3.41	87	98	.00	.00	7	4	700	.0	1
5960.0	4:13	3.38	87	98	.00	.00	7	4	700	.0	1
5970.0	4:18	3.44	87	101	.00	.00	7	4	654	.0	1
5980.0	4:23	3.40	87	101	.00	.00	7	4	654	.0	1
5990.0	4:28	3.39	87	100	.00	.00	7	4	667	.0	1
6000.0	4:34	3.44	87	100	.00	.00	7	4	667	.0	1
6008.0	4:38	3.47	87	101	.00	.00	7	4	669	.0	1
NEW BIT ID: 5											
6010.0	0: 1	3.71	73	90	.00	.00	9	6	610	.0	1
6020.0	0: 7	3.71	73	90	.00	.00	9	6	610	.0	1
6030.0	0:14	3.76	73	90	.00	.00	9	6	610	.0	1
2749											
6040.0	0:20	3.79	74	93	.00	.00	9	6	564	.0	1
6050.0	0:25	3.91	74	93	.00	.00	9	6	564	.0	1
6060.0	0:33	3.71	74	93	.00	.00	9	6	852	.0	1
6070.0	0:49	4.08	74	93	.00	.00	9	6	852	.0	1
6080.0	1: 4	3.86	80	94	.00	.00	12	6	848	.0	1
6090.0	1:14	3.53	80	95	.00	.00	12	6	873	.0	1
6100.0	1:20	3.57	80	95	.00	.00	12	6	873	.0	1
6110.0	1:27	3.59	80	95	.00	.00	12	6	848	.0	1
6120.0	1:32	3.60	82	96	.00	.00	12	6	848	.0	1
6130.0	2: 4	3.52	83	95	.00	.00	12	6	844	.0	1
2759											
6150.0	2: 5	3.62	83	97	.00	.00	12	6	855	.0	1
6170.0	2:12	3.82	83	97	.00	.00	12	6	855	.0	1
6180.0	2:18	3.68	83	98	.00	.00	12	6	855	.0	1
6190.0	2:22	3.44	99	98	.00	.00	12	6	857	.0	1
6200.0	2:39	3.76	84	98	.00	.00	12	6	849	.0	2
6210.0	2:47	3.77	85	96	.00	.00	12	6	800	.0	1
6220.0	2:51	3.40	85	96	.00	.00	12	6	800	.0	1
6230.0	3: 2	3.86	85	96	.00	.00	12	6	800	.0	1
6240.0	3: 7	3.51	86	97	.00	.00	12	6	803	.0	1
6250.0	3:15	3.74	86	97	.00	.00	12	6	803	.0	1
2770											
6260.0	3:24	3.77	86	98	.00	.00	12	6	803	.0	1
6270.0	3:31	3.68	86	98	.00	.00	12	6	803	.0	1
6280.0	3:38	3.72	86	99	.00	.00	12	7	798	.0	1
6290.0	3:43	3.55	86	99	.00	.00	12	7	798	.0	1
6300.0	3:50	3.63	86	101	.00	.00	12	7	794	.0	1
6310.0	3:55	3.57	86	101	.00	.00	12	7	794	.0	1
6320.0	4: 3	3.77	87	101	.00	.00	12	7	790	.0	1

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV	RECDS
2777											
6330.0	4:12	3.81	87	101	.00	.00	12	7	790	.0	1
6340.0	4:21	3.73	87	102	.00	.00	12	7	790	.0	1
6350.0	4:29	3.73	87	102	.00	.00	12	7	790	.0	1
6360.0	4:39	3.87	87	101	.00	.00	12	7	632	.0	1
6370.0	4:44	3.60	88	102	.00	.00	12	7	661	.0	1
6380.0	5: 6	4.23	88	102	.00	.00	12	7	661	.0	1
6390.0	5:11	3.65	88	101	.00	.00	12	7	649	.0	1
6400.0	5:16	3.31	88	98	.00	.00	12	7	642	.0	1
6410.0	5:29	3.96	88	98	.00	.00	12	7	642	.0	1
6420.0	5:36	3.61	88	97	.00	.00	12	7	751	.0	1
2787											
6430.0	5:43	3.65	88	97	.00	.00	12	7	731	.0	1
6440.0	5:51	3.63	84	104	.00	.00	12	7	741	.0	1
6450.0	5:56	3.55	84	104	.00	.00	12	7	741	.0	1
6460.0	6: 5	3.81	84	102	.00	.00	12	7	747	.0	1
6470.0	6:12	3.64	84	102	.00	.00	12	7	729	.0	1
6480.0	6:21	3.71	85	102	.00	.00	12	7	699	.0	1
6490.0	6:27	3.58	85	102	.00	.00	12	7	718	.0	1
6500.0	6:34	3.70	86	103	.00	.00	12	7	701	.0	1
6510.0	6:40	3.61	85	102	.00	.00	11	6	719	.0	1
6520.0	6:49	3.82	83	101	.00	.00	11	6	749	.0	1
2797											
6530.0	6:55	3.60	82	101	.00	.00	11	6	699	.0	1
6540.0	7: 1	3.64	82	100	.00	.00	11	6	715	.0	1
6550.0	7: 7	3.62	83	100	.00	.00	11	6	724	.0	1
6560.0	7:16	3.90	83	100	.00	.00	11	6	718	.0	1
6570.0	7:22	3.63	84	101	.00	.00	11	6	810	.0	1
6580.0	7:28	3.82	85	101	.00	.00	11	6	810	.0	1
6590.0	7:33	3.61	85	102	.00	.00	11	6	794	.0	1
6600.0	7:38	3.68	86	102	.00	.00	11	6	797	.0	1
6610.0	7:43	3.64	86	102	.00	.00	11	6	806	.0	1
6620.0	7:53	3.99	86	105	.00	.00	11	6	802	.0	1
2807											
6630.0	7:59	3.83	86	100	.00	.00	11	6	819	.0	1
6640.0	8: 8	3.96	87	98	.00	.00	11	6	819	.0	1
6650.0	8:12	3.69	87	101	.00	.00	11	6	834	.0	1
6660.0	8:15	3.46	87	102	.00	.00	11	6	834	.0	1
6670.0	8:22	3.84	88	100	.00	.00	11	6	823	.0	1
6680.0	8:32	3.99	88	100	.00	.00	11	6	828	.0	1
6690.0	8:37	3.73	88	99	.00	.00	11	6	828	.0	1
6700.0	8:47	3.94	87	99	.00	.00	11	6	831	.0	1
6710.0	8:55	3.79	87	99	.00	.00	11	6	839	.0	1
6720.0	9: 0	3.69	89	96	.00	.00	11	6	836	.0	1
2817											
6730.0	9: 8	3.81	89	96	.00	.00	11	6	836	.0	1
6740.0	9:18	3.85	89	96	.00	.00	11	6	836	.0	1
6750.0	9:24	3.77	86	97	.00	.00	11	6	842	.0	1
6760.0	9:30	3.67	86	97	.00	.00	11	6	837	.0	1
6770.0	9:36	3.69	86	97	.00	.00	11	6	825	.0	1
6780.0	9:48	3.94	85	99	.00	.00	11	6	816	.0	1
6790.0	9:54	3.62	86	99	.00	.00	11	6	808	.0	1
6800.0	10: 2	3.71	86	96	.00	.00	12	6	822	.0	1
6810.0	10: 9	3.72	86	100	.00	.00	12	6	817	.0	1
6820.0	10:16	3.69	86	100	.00	.00	12	6	820	.0	1
2827											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV RECDS	
2827											
6830.0	10:25	3.80	86	100	.00	.00	12	6	826	.0	1
6840.0	10:35	3.79	87	99	.00	.00	12	6	835	.0	1
6850.0	10:44	3.76	89	98	.00	.00	12	6	835	.0	1
6860.0	10:54	3.82	89	100	.00	.00	12	6	839	.0	1
6870.0	11: 3	3.95	86	100	.00	.00	12	6	819	.0	1
6880.0	11:12	3.76	90	100	.00	.00	12	6	827	.0	1
6890.0	11:22	3.77	90	100	.00	.00	12	6	827	.0	1
6900.0	11:32	3.89	91	102	.00	.00	12	6	817	.0	1
6910.0	11:45	3.96	92	102	.00	.00	12	6	838	.0	1
6920.0	12: 7	4.27	92	104	.00	.00	12	6	820	.0	1
2837											
6930.0	12:18	4.00	93	105	.00	.00	12	6	835	.0	1
6940.0	12:37	4.16	93	106	.00	.00	12	6	839	.0	1
6950.0	12:44	3.81	93	105	.00	.00	12	6	839	.0	1
6960.0	13: 1	4.19	93	101	.00	.00	12	6	820	.0	1
6970.0	13:10	3.99	93	101	.00	.00	12	6	820	.0	1
6980.0	13:30	4.33	95	102	.00	.00	12	6	841	.0	1
6990.0	13:48	4.21	95	103	.00	.00	12	6	826	.0	1
7000.0	14:13	4.45	96	104	.00	.00	12	6	834	.0	1
7010.0	14:23	4.05	95	104	.00	.00	12	6	834	.0	1
7020.0	14:46	4.37	95	104	.00	.00	12	6	838	.0	1
2847											
7030.0	14:56	3.97	96	104	.00	.00	12	6	838	.0	1
7040.0	15:17	4.34	96	105	.00	.00	12	6	844	.0	1
7050.0	15:30	4.22	96	106	.00	.00	12	6	841	.0	1
7060.0	15:48	4.31	96	107	.00	.00	12	6	831	.0	1
7070.0	15:58	4.03	96	106	.00	.00	12	6	836	.0	1
7080.0	16:21	4.45	97	105	.00	.00	12	6	836	.0	1
7090.0	16:32	3.99	97	105	.00	.00	12	6	829	.0	1
7100.0	16:53	4.39	97	105	.00	.00	12	6	843	.0	1
7110.0	17: 1	4.00	98	106	.00	.00	12	6	824	.0	1
7120.0	17: 8	3.79	98	106	.00	.00	12	6	824	.0	1
2857											
7130.0	17:17	-4.00	98	107	.00	.00	12	6	820	.0	1
7140.0	17:27	3.97	98	107	.00	.00	12	6	805	.0	1
7150.0	17:40	4.11	98	107	.00	.00	12	6	819	.0	1
7160.0	17:56	4.18	95	106	.00	.00	12	6	819	.0	1
7170.0	18:14	4.24	93	105	.00	.00	12	6	823	.0	1
7180.0	18:27	4.17	85	105	.00	.00	12	6	828	.0	1
7190.0	18:39	4.10	90	100	.00	.00	12	6	832	.0	1
7200.0	18:53	4.20	91	100	.00	.00	12	6	832	.0	1
7210.0	19: 6	4.16	91	100	.00	.00	12	6	830	.0	1
7220.0	19:18	4.07	92	101	.00	.00	12	6	798	.0	1
2867											
7230.0	19:31	4.11	93	102	.00	.00	12	6	811	.0	1
7240.0	19:43	4.09	93	102	.00	.00	12	6	838	.0	1
7250.0	19:57	4.13	93	101	.00	.00	12	6	834	.0	1
7260.0	20:12	4.14	92	101	.00	.00	12	6	820	.0	1
7270.0	20:21	3.99	92	102	.00	.00	12	6	811	.0	1
7280.0	20:32	4.07	92	104	.00	.00	12	6	839	.0	1
7290.0	20:42	4.01	92	104	.00	.00	12	6	827	.0	1
7300.0	20:53	4.05	94	106	.00	.00	12	6	844	.0	1
7310.0	21: 2	4.00	94	106	.00	.00	12	6	850	.0	1
7320.0	21:10	3.94	95	106	.00	.00	12	6	845	.0	1
2877											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV	RECDS
2877											
7330.0	21:19	4.00	95	106	.00	.00	12	6	841	.0	1
7340.0	21:29	4.03	95	106	.00	.00	12	6	841	.0	1
7350.0	21:39	3.98	95	106	.00	.00	12	6	852	.0	1
7360.0	21:48	3.95	95	106	.00	.00	12	6	852	.0	1
7370.0	21:56	3.88	96	107	.00	.00	12	6	852	.0	1
7380.0	22: 5	3.91	96	104	.00	.00	12	6	859	.0	1
7400.0	22:23	4.00	97	104	.00	.00	12	6	861	.0	1
7410.0	22:35	4.05	97	103	.00	.00	12	6	861	.0	1
7420.0	22:46	4.07	97	106	.00	.00	12	6	857	.0	1
7430.0	22:59	4.13	98	112	.00	.00	12	6	857	.0	1
2887											
7440.0	23: 6	3.86	100	115	.00	.00	12	6	861	.0	1
7450.0	23:14	3.87	100	115	.00	.00	12	6	845	.0	1
7460.0	23:22	3.91	100	113	.00	.00	12	6	845	.0	1
7470.0	23:38	4.18	100	110	.00	.00	12	6	861	.0	1
7480.0	0: 0	4.28	100	110	.00	.00	12	6	861	.0	1
7490.0	0:19	4.23	100	110	.00	.00	12	6	861	.0	1
7500.0	0:29	3.98	97	111	.00	.00	13	8	821	.0	1
7510.0	0:35	3.70	98	112	.00	.00	13	8	825	.0	1
7513.0	0:36	3.60	99	112	.00	.00	13	8	830	.0	3
NEW BIT ID: -1 CORE # 1											
7515.0	2:47	3.49	101	113	.00	.00	13	16	294	.0	2
2904											
7520.0	19:27	3.71	98	111	.00	.00	13	16	315	.0	5
7525.0	19:43	3.47	98	110	.00	.00	13	16	289	.0	5
7530.0	20: 2	3.60	97	109	.00	.00	13	16	249	.0	5
7533.0	20: 9	4.23	97	109	.00	.00	13	16	281	.0	3
NEW BIT ID: -2 CORE # 2											
7535.0	22:59	3.94	83	95	16.00	.04	13	16	215	.0	2
7540.0	23:44	4.03	84	92	16.00	.04	13	16	231	.0	5
7545.0	0:23	4.27	83	92	16.00	.04	13	16	209	.0	5
7550.0	1: 0	4.26	78	87	16.00	.04	13	16	209	.0	5
7555.0	2: 7	4.29	77	89	16.00	.04	13	16	214	.0	5
7560.0	2:34	4.27	80	91	16.00	.04	13	16	214	.0	5
2953											
7565.0	3:20	4.39	81	92	16.00	.04	13	16	214	.0	5
7570.0	4:21	4.49	75	87	16.00	.04	13	16	211	.0	5
7575.0	5:33	4.53	83	94	16.00	.05	13	16	217	.0	5
7580.0	6:56	4.67	84	94	16.00	.05	13	16	217	.0	5
7581.0	7:14	4.70	84	94	16.00	.05	13	16	217	.0	1
NEW BIT ID: -3 CORE # 3											
7585.0	16:51	4.71	85	95	16.00	.04	13	8	377	.0	4
7590.0	18: 5	4.65	83	93	16.00	.04	13	8	351	.0	5
7595.0	18:52	4.33	82	93	16.00	.04	13	8	354	.0	5
7600.0	19: 6	3.88	82	93	16.00	.04	13	8	360	.0	5
7605.0	19:51	4.38	83	93	16.00	.04	13	8	333	.0	5
3002											
7610.0	20:32	4.19	83	94	16.00	.04	13	8	363	.0	5

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
3007											
7611.0	20:49	4.53	83	94	16.00	.04	13	8	361	.0	1
				NEW BIT ID:		-4	CORE #	4			
7615.0	6:32	4.37	85	96	16.00	.04	14	14	344	.0	4
7620.0	7:32	4.57	85	96	16.00	.04	14	19	342	.0	5
7625.0	8:32	4.57	85	96	16.00	.04	14	19	344	.0	5
7630.0	10:28	4.85	86	96	16.00	.04	14	19	352	.0	5
7635.0	12:11	4.89	86	97	16.00	.04	14	19	365	.0	5
7640.0	13:11	4.70	87	96	16.00	.04	14	19	363	.0	5
7645.0	14: 3	4.65	87	95	16.00	.04	14	19	368	.0	5
7650.0	15: 4	4.68	88	95	16.00	.04	14	19	379	.0	5
7654.0	15:21	3.93	89	96	16.00	.04	14	19	365	.0	4
				NEW BIT ID:		-5	CORE #	5			
3059											
7655.0	23:54	3.41	89	101	16.00	.04	14	19	215	.0	1
7660.0	0: 7	3.60	90	101	16.00	.04	14	19	269	.0	5
7665.0	0:13	3.36	91	98	16.00	.04	14	19	259	.0	5
7670.0	0:26	3.64	91	96	16.00	.04	14	19	259	.0	5
7675.0	0:44	3.81	89	96	16.00	.04	14	19	261	.0	5
7680.0	1:32	4.11	89	96	16.00	.04	14	19	281	.0	5
7685.0	2:24	4.35	86	96	16.00	.04	14	19	343	.0	5
7690.0	3:26	4.56	87	95	16.00	.04	14	19	342	.0	5
7695.0	4:50	4.70	88	95	16.00	.04	14	19	340	.0	5
7699.0	5:48	4.63	88	95	16.00	.04	14	19	340	.0	4
				NEW BIT ID:		-6	CORE #	6			
3108											
7700.0	15: 6	4.62	90	97	16.00	.04	14	19	325	.0	1
7705.0	16:29	4.82	89	97	16.00	.04	14	19	334	.0	1
7710.0	16:41	4.53	88	99	16.00	.04	14	19	347	.0	1
7715.0	0:15	3.98	84	98	16.00	.04	19	13	346	.0	2
7720.0	20:57	4.88	85	97	16.00	.04	19	13	347	.0	5
7725.0	22:10	4.97	85	96	16.00	.04	19	13	353	.0	5
7730.0	23:49	5.07	84	95	16.00	.04	19	13	352	.0	5
7735.0	1:13	5.02	84	94	16.00	.04	19	13	341	.0	5
7740.0	2:11	4.95	83	92	16.00	.04	19	13	374	.0	4
7745.0	4: 4	5.11	84	90	16.00	.04	19	13	357	.0	5
3142											
7750.0	5:37	4.94	84	89	16.00	.04	19	13	373	.0	5
7755.0	6:29	4.74	85	90	16.00	.04	19	13	373	.0	5
7759.0	7:50	5.16	85	89	16.00	.04	19	13	372	.0	4
				NEW BIT ID:		6					
7760.0	20:54	3.55	77	87	16.00	.04	13	19	319	.0	1
7765.0	21: 6	3.51	77	87	16.00	.04	13	19	317	.0	3
7770.0	21:28	3.71	77	87	16.00	.04	13	19	317	.0	4
7780.0	21:51	3.27	78	84	16.00	.04	13	19	317	.0	5
7790.0	22: 2	3.32	79	85	16.00	.04	13	19	315	.0	2

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDDV RECDS	
3175											
7795.0	22:12	3.22	78	85	16.00	.04	13	19	316	.0	3
7805.0	22:37	3.38	79	84	16.00	.04	13	19	323	.0	1
7810.0	22:45	3.01	79	84	16.00	.04	13	19	323	.0	3
7815.0	0: 6	3.76	78	86	2.00	.04	15	19	319	.0	1
7820.0	0:11	3.61	78	86	2.00	.04	15	19	319	.0	1
7825.0	0:16	3.78	78	86	2.00	.04	15	19	319	.0	1
7830.0	0:22	3.86	78	87	2.00	.04	15	19	322	.0	1
7835.0	0:28	3.80	78	87	2.00	.04	15	19	322	.0	1
7840.0	0:32	3.75	78	87	2.00	.04	15	19	322	.0	1
7845.0	0:36	3.67	78	87	2.00	.04	15	19	322	.0	1
3189											
7850.0	0:39	3.45	78	88	2.00	.04	15	19	320	.0	1
7855.0	0:41	3.41	78	88	2.00	.04	15	19	320	.0	1
7860.0	0:44	3.46	78	89	2.00	.04	15	19	326	.0	1
7865.0	0:47	3.67	78	89	2.00	.04	15	19	326	.0	1
7870.0	0:52	3.69	78	89	2.00	.04	15	19	326	.0	1
7875.0	0:56	3.64	78	89	2.00	.04	15	19	326	.0	1
7880.0	0:59	3.50	78	90	2.00	.04	15	19	343	.0	1
7885.0	1: 3	3.46	78	90	2.00	.04	15	19	343	.0	1
7890.0	1: 6	3.42	78	90	2.00	.04	15	19	343	.0	1
7895.0	1: 9	3.52	78	90	2.00	.04	15	19	343	.0	1
3199											
7900.0	1:14	3.69	78	91	2.00	.04	15	19	345	.0	1
7905.0	1:18	3.66	78	91	2.00	.04	15	19	345	.0	1
7910.0	1:22	3.63	78	91	2.00	.04	15	19	345	.0	1
7915.0	1:26	3.67	78	92	2.00	.04	15	19	367	.0	1
7920.0	1:30	3.59	78	92	2.00	.04	15	19	401	.0	1

DUMP C

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

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	64										
				NEW BIT ID:	2						
810.0	.0	.0	2	143	141	0	117.4	124.5	1562	0	362
830.0	20.0	.1	2	141	142	0	.0	124.2	1590	0	378
840.0	10.0	.1	3	143	141	0	.0	133.0	1653	0	386
845.0	5.0	.1	3	143	142	0	.0	133.8	1642	0	390
850.0	5.0	.1	2	143	141	0	.0	132.2	1685	0	392
865.0	15.0	.2	4	143	142	0	.0	133.1	1762	0	391
870.0	5.0	.2	4	143	139	0	.0	134.9	2211	0	394
880.0	10.0	.3	4	143	139	0	.0	134.4	2210	0	402
890.0	10.0	.3	4	143	140	0	.0	134.6	2217	0	407
900.0	10.0	.3	4	143	141	0	.0	133.6	2211	0	408
	86										
910.0	10.0	.4	4	143	141	0	.0	130.7	2185	0	410
920.0	10.0	.4	5	143	141	0	.0	131.2	2203	0	419
925.0	5.0	.4	3	143	140	0	.0	131.1	2206	0	423
930.0	5.0	.4	4	144	140	0	55.0	131.1	2200	0	416
940.0	10.0	.5	5	144	141	0	109.8	131.1	2191	0	421
945.0	5.0	.5	6	144	141	0	109.9	131.6	2190	0	429
950.0	5.0	.5	4	144	142	0	109.7	131.8	2196	0	433
955.0	5.0	.5	5	145	141	0	109.4	130.8	2159	0	427
960.0	5.0	.5	6	145	144	0	120.0	.0	693	0	432
965.0	5.0	.5	2	145	143	0	121.9	.0	695	0	436
	103										
970.0	5.0	.5	1	140	142	0	118.5	.0	688	0	439
980.0	10.0	.6	4	145	141	0	110.3	.0	614	0	445
990.0	10.0	.6	4	146	143	0	115.6	25.5	1071	0	450
995.0	5.0	.6	5	146	144	0	109.2	136.5	2270	0	451
1000.0	5.0	.6	5	146	145	0	108.8	136.4	2259	0	455
1010.0	10.0	.7	4	146	144	0	107.9	135.2	2253	0	462
1015.0	5.0	.7	2	146	144	0	109.0	136.3	2260	0	467
1020.0	5.0	.7	2	146	144	0	108.7	136.3	2264	0	469
1030.0	10.0	.8	5	146	145	0	109.0	132.6	2212	0	461
1035.0	5.0	.8	5	146	145	0	109.2	133.2	2215	0	468
	128										
1040.0	5.0	.8	5	146	144	0	109.1	133.2	2221	0	473
1045.0	5.0	.8	5	146	145	0	109.3	133.1	2211	0	475
1050.0	5.0	.8	2	146	144	0	108.6	133.1	2207	0	480
1055.0	5.0	.8	4	146	143	0	38.4	134.5	2114	0	473
1060.0	5.0	.8	3	146	143	0	.0	129.3	2103	0	477
1070.0	10.0	.9	4	146	138	0	66.4	129.6	2108	0	482
1080.0	10.0	.9	3	146	144	0	3.7	129.1	2109	0	492
1085.0	5.0	.9	3	147	144	0	65.0	128.5	2142	0	486
1090.0	5.0	1.0	5	147	142	0	111.8	127.7	2180	0	491
1100.0	10.0	1.0	2	147	145	0	111.7	128.1	2187	0	498
	145										
1110.0	10.0	1.0	4	147	143	0	113.1	125.1	2100	0	502
1115.0	5.0	1.1	2	147	145	0	122.5	.0	740	0	505
1120.0	5.0	1.1	3	147	144	0	122.3	.0	732	0	508
1125.0	5.0	1.1	3	147	144	0	121.8	.0	740	0	510
1130.0	5.0	1.1	3	147	144	0	122.3	.0	744	0	514
1140.0	10.0	1.2	4	147	143	0	122.4	.0	747	0	520
1145.0	5.0	1.2	8	147	139	0	121.8	.0	748	0	523

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	161										
1150.0	5.0	1.2	5	149	144	0	119.7	.0	732	0	516
1155.0	5.0	1.3	6	149	143	0	120.0	.0	738	0	521
1160.0	5.0	1.3	5	149	144	0	119.7	.0	737	0	524
1170.0	10.0	1.3	10	149	139	0	119.8	.0	741	0	533
1180.0	10.0	1.4	4	147	144	0	114.3	.0	692	0	541
1190.0	10.0	1.4	3	147	143	0	115.6	.0	706	0	545
1195.0	5.0	1.4	4	147	143	0	119.2	.0	733	0	552
1200.0	5.0	1.4	5	147	142	0	119.1	.0	734	0	555
1205.0	5.0	1.4	6	149	141	0	118.8	.0	740	0	549
1210.0	5.0	1.4	3	149	146	0	123.0	.0	769	0	551
	182										
1220.0	10.0	1.5	4	149	145	0	123.5	.0	779	0	553
1225.0	5.0	1.5	6	149	143	0	124.0	.0	786	0	558
1230.0	5.0	1.5	4	149	145	0	124.1	.0	789	0	562
1235.0	5.0	1.5	7	149	142	0	124.4	.0	793	0	566
1240.0	5.0	1.5	6	150	143	0	124.1	.0	789	0	569
1245.0	5.0	1.6	5	150	145	0	123.4	.0	777	0	572
1250.0	5.0	1.6	7	150	143	0	123.5	.0	779	0	575
1260.0	10.0	1.6	5	150	145	0	123.5	.0	789	0	579
1265.0	5.0	1.7	5	150	145	0	124.3	.0	793	0	582
1270.0	5.0	1.7	7	151	143	0	122.3	.0	756	0	581
	198										
1275.0	5.0	1.7	4	151	147	0	111.2	22.6	998	0	583
1280.0	5.0	1.7	6	151	145	0	107.5	137.1	2347	0	582
1285.0	5.0	1.8	7	151	144	0	107.0	136.1	2341	0	583
1290.0	5.0	1.8	6	151	145	0	107.3	137.1	2358	0	587
1300.0	10.0	1.8	8	151	135	0	107.5	137.0	2358	0	595
1310.0	10.0	1.9	7	153	145	0	112.9	128.6	2310	0	592
1320.0	10.0	1.9	9	153	143	0	112.7	128.9	2324	0	596
1325.0	5.0	1.9	9	153	141	0	112.3	129.3	2328	0	603
1330.0	5.0	2.0	10	153	144	0	113.2	129.2	2330	0	607
1335.0	5.0	2.0	11	149	145	0	113.1	130.5	2373	0	597
	221										
1340.0	5.0	2.0	11	149	141	0	113.6	132.2	2402	0	603
1350.0	10.0	2.0	11	149	145	0	109.6	126.1	2226	0	608
1355.0	5.0	2.1	11	149	144	0	106.2	121.1	2108	0	616
1360.0	5.0	2.1	11	149	144	0	106.2	120.6	2107	0	620
1370.0	10.0	2.1	10	150	144	0	105.0	122.0	2116	0	622
1380.0	10.0	2.1	10	152	142	0	104.1	125.1	2140	0	625
1390.0	10.0	2.2	14	152	139	0	104.1	125.0	2141	0	633
1400.0	10.0	2.2	9	153	143	0	103.3	140.4	2092	0	630
1405.0	5.0	2.2	4	154	149	0	101.1	152.6	1986	0	632
1410.0	5.0	2.2	9	154	145	0	98.6	193.3	2071	0	637
	242										
1415.0	5.0	2.2	12	154	141	0	110.5	187.7	2077	0	641
1420.0	5.0	2.3	9	154	145	0	97.1	199.4	2076	0	644
1430.0	10.0	2.3	12	153	140	0	114.2	193.7	2135	0	646
1435.0	5.0	2.3	7	153	146	0	113.9	97.5	2192	0	648
1440.0	5.0	2.3	7	153	145	0	114.2	113.0	2196	0	651
1445.0	5.0	2.4	10	153	143	0	114.6	118.1	2198	0	657
1450.0	5.0	2.4	8	153	144	0	113.9	118.3	2198	0	659
1460.0	10.0	2.4	9	154	144	0	112.9	112.7	2076	0	664
1470.0	10.0	2.4	13	155	142	0	110.9	110.6	2055	0	671
1480.0	10.0	2.5	8	155	147	0	112.9	113.2	2101	0	675
	264										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	264										
1485.0	5.0	2.5	14	155	141	0	112.6	113.4	2109	0	678
1490.0	5.0	2.5	10	155	145	0	112.6	113.2	2120	0	680
1500.0	10.0	2.6	11	155	144	0	115.9	112.9	2177	0	687
1505.0	5.0	2.6	12	155	143	0	116.5	113.5	2182	0	690
1510.0	5.0	2.6	11	155	144	0	116.1	113.3	2179	0	693
1520.0	10.0	2.6	11	155	144	0	115.9	112.8	2178	0	696
1525.0	5.0	2.6	13	155	142	0	113.8	112.8	2146	0	697
1530.0	5.0	2.7	15	155	140	0	113.6	113.2	2158	0	701
1535.0	5.0	2.7	14	155	141	0	114.1	110.5	2118	0	704
1540.0	5.0	2.7	12	155	143	0	115.0	108.6	2094	0	706
	285										
1545.0	5.0	2.7	19	155	136	0	115.4	109.2	2083	0	709
1550.0	5.0	2.7	13	155	142	0	115.2	108.6	2087	0	712
1560.0	10.0	2.8	12	155	143	0	116.7	112.2	2169	0	708
1565.0	5.0	2.8	15	155	140	0	117.7	110.7	2160	0	711
1570.0	5.0	2.8	11	155	144	0	117.8	111.2	2158	0	714
1575.0	5.0	2.8	12	155	143	0	112.8	111.5	2095	0	716
1580.0	5.0	2.8	12	155	143	0	113.0	113.0	2116	0	718
1590.0	10.0	2.9	12	155	143	0	113.9	115.7	2180	0	727
1595.0	5.0	2.9	10	155	145	0	113.8	115.6	2186	0	731
1600.0	5.0	2.9	12	155	143	0	113.8	115.8	2186	0	734
	302										
1605.0	5.0	2.9	12	155	143	0	113.6	115.5	2193	0	739
1610.0	5.0	2.9	15	155	140	0	113.8	114.7	2177	0	744
1620.0	10.0	2.9	14	155	141	0	114.2	114.7	2189	0	727
1625.0	5.0	3.0	13	155	142	0	114.5	109.7	2118	0	732
1630.0	5.0	3.0	11	155	144	0	115.1	109.3	2123	0	736
1635.0	5.0	3.0	13	155	142	0	115.0	109.6	2125	0	740
1640.0	5.0	3.0	16	155	139	0	114.9	109.8	2133	0	744
1650.0	10.0	3.0	13	155	142	0	115.7	110.2	2159	0	753
1655.0	5.0	3.0	14	155	141	0	117.6	112.1	2216	0	758
1660.0	5.0	3.0	10	155	145	0	117.7	112.5	2226	0	762
	312										
1665.0	5.0	3.1	14	155	141	0	117.7	112.4	2226	0	766
1670.0	5.0	3.1	12	155	135	0	117.9	112.7	2233	0	771
1675.0	5.0	3.1	10	155	145	0	114.2	113.2	2169	0	775
1680.0	5.0	3.1	12	155	143	0	114.5	111.7	2146	0	767
1690.0	10.0	3.1	16	155	139	0	114.3	111.2	2148	0	774
1695.0	5.0	3.1	18	155	137	0	114.9	111.5	2152	0	778
1710.0	15.0	3.2	17	156	142	0	114.9	111.7	2161	0	764
1715.0	5.0	3.2	17	156	140	0	110.2	119.9	2224	0	767
1720.0	5.0	3.2	17	156	145	0	110.6	118.3	2196	0	772
1725.0	5.0	3.2	17	156	147	0	110.7	114.0	2146	0	776
	322										
1730.0	5.0	3.2	17	156	136	0	111.7	113.4	2147	0	781
1735.0	5.0	3.2	17	156	143	0	111.5	113.5	2148	0	786
1740.0	5.0	3.3	17	157	145	0	112.6	112.7	2154	0	792
1750.0	10.0	3.3	17	158	139	0	116.8	110.1	2174	0	805
1755.0	5.0	3.3	18	158	140	0	116.7	110.5	2183	0	810
1760.0	5.0	3.3	15	158	143	0	114.8	109.9	2148	0	815
1770.0	10.0	3.3	14	158	136	0	114.7	110.2	2152	0	823
1775.0	5.0	3.4	16	158	145	0	114.7	110.8	2148	0	816
1780.0	5.0	3.4	19	159	140	0	115.5	111.5	2174	0	798
1785.0	5.0	3.4	17	159	142	0	115.4	110.1	2172	0	802
	335										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	335										
1790.0	5.0	3.4	18	159	141	0	115.8	111.1	2172	0	807
1800.0	10.0	3.4	19	159	139	0	114.2	111.8	2161	0	816
1810.0	10.0	3.5	20	157	138	0	113.0	113.8	2168	0	824
1815.0	5.0	3.5	20	157	138	0	112.1	113.4	2173	0	829
1820.0	5.0	3.5	16	157	141	0	112.8	114.1	2175	0	834
1830.0	10.0	3.5	18	157	140	0	112.9	114.0	2179	0	843
1840.0	10.0	3.5	19	158	139	0	113.9	114.2	2193	0	846
1845.0	5.0	3.6	20	158	139	0	114.3	114.4	2201	0	849
1850.0	5.0	3.6	18	158	140	0	114.0	114.7	2204	0	850
1855.0	5.0	3.6	19	158	139	0	114.0	113.7	2208	0	854
	345										
1860.0	5.0	3.6	17	158	141	0	114.2	114.5	2212	0	858
1865.0	5.0	3.6	15	158	144	0	114.2	112.9	2199	0	858
1870.0	5.0	3.6	19	158	139	0	115.8	110.7	2180	0	858
1880.0	10.0	3.7	14	158	144	0	115.5	111.7	2193	0	864
1885.0	5.0	3.7	19	158	139	0	116.4	110.8	2190	0	867
1890.0	5.0	3.7	15	158	143	0	114.9	111.9	2179	0	871
1895.0	5.0	3.7	18	158	140	0	113.0	110.7	2153	0	875
1900.0	5.0	3.7	20	160	140	0	113.6	115.0	2213	0	865
1905.0	5.0	3.7	15	160	145	0	113.4	116.9	2260	0	869
1910.0	5.0	3.7	19	160	141	0	114.1	117.1	2267	0	874
	357										
1915.0	5.0	3.7	18	160	142	0	114.0	117.7	2273	0	878
1920.0	5.0	3.8	19	160	141	0	114.1	117.6	2280	0	883
1925.0	5.0	3.8	18	159	142	0	114.3	117.3	2284	0	873
1930.0	5.0	3.8	21	159	138	0	115.7	106.8	2139	0	878
1935.0	5.0	3.8	19	159	140	0	115.4	106.8	2140	0	882
1940.0	5.0	3.8	17	159	142	0	115.4	108.2	2139	0	887
1945.0	5.0	3.8	13	159	146	0	115.4	108.3	2163	0	891
1950.0	5.0	3.9	20	159	140	0	115.7	108.4	2173	0	895
1955.0	5.0	3.9	19	159	140	0	114.0	108.9	2145	0	900
1960.0	5.0	3.9	14	159	145	0	113.8	109.6	2140	0	899
	369										
1965.0	5.0	3.9	17	159	142	0	114.7	110.2	2171	0	898
1970.0	5.0	3.9	15	159	144	0	115.1	108.4	2176	0	902
1975.0	5.0	4.0	14	159	145	0	114.5	109.7	2185	0	905
1980.0	5.0	4.0	14	159	147	0	115.4	108.5	2177	0	909
1985.0	5.0	4.0	14	159	150	0	114.8	108.6	2180	0	912
1990.0	5.0	4.0	14	159	145	0	115.1	108.7	2187	0	913
2000.0	10.0	4.1	13	159	149	0	114.2	95.4	2216	0	912
2010.0	10.0	4.1	15	159	147	0	114.9	65.8	2255	0	912
2015.0	5.0	4.2	18	159	141	0	115.6	2.4	2183	0	916
2020.0	5.0	4.2	20	159	139	0	116.2	1.2	2186	0	920
	397										
2025.0	5.0	4.2	22	161	138	0	114.4	.4	2177	0	919
2030.0	5.0	4.2	22	161	139	0	112.7	59.9	2176	0	923
2035.0	5.0	4.2	20	161	141	0	113.3	80.2	2185	0	928
2040.0	5.0	4.2	17	161	144	0	114.2	96.5	2190	0	932
2050.0	10.0	4.3	21	161	140	0	113.6	110.5	2193	0	940
2055.0	5.0	4.3	19	161	142	0	113.5	110.5	2198	0	944
2060.0	5.0	4.3	23	162	139	0	110.9	111.5	2161	0	947
2065.0	5.0	4.3	20	162	142	0	110.3	111.8	2166	0	951
2070.0	5.0	4.4	22	162	140	0	111.0	112.4	2176	0	954
2075.0	5.0	4.4	22	162	140	0	110.5	112.1	2183	0	957
	414										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
414											
2080.0	5.0	4.4	21	162	141	0	110.8	112.5	2184	0	962
2085.0	5.0	4.4	21	163	142	0	108.0	114.2	2180	0	961
2090.0	5.0	4.4	21	164	143	0	105.5	116.0	2149	0	961
2100.0	10.0	4.5	20	164	144	0	113.3	110.5	2207	0	968
2105.0	5.0	4.5	19	164	145	0	113.4	110.9	2214	0	974
2110.0	5.0	4.5	18	164	146	0	113.5	111.1	2216	0	973
2115.0	5.0	4.6	15	164	157	0	114.1	111.3	2213	0	972
2120.0	5.0	4.7	15	163	156	0	110.4	111.6	2153	0	956
2125.0	5.0	4.8	15	163	155	0	109.4	111.4	2139	0	956
2130.0	5.0	4.8	12	163	153	0	109.9	111.4	2144	0	959
454											
2135.0	5.0	4.9	15	163	147	0	109.9	112.0	2159	0	965
2140.0	5.0	4.9	15	163	147	0	109.6	111.5	2167	0	968
2150.0	10.0	4.9	15	159	148	0	109.4	112.3	2170	0	973
2155.0	5.0	5.0	16	157	144	0	110.7	110.2	2166	0	978
2160.0	5.0	5.0	19	163	144	0	112.7	109.0	2175	0	983
2165.0	5.0	5.0	19	163	134	0	113.0	109.1	2172	0	986
2170.0	5.0	5.0	22	163	141	0	113.0	109.3	2183	0	993
2175.0	5.0	5.1	18	163	145	0	113.2	108.9	2175	0	998
2180.0	5.0	5.1	19	164	144	0	113.4	108.8	2169	0	997
2185.0	5.0	5.1	20	165	145	0	112.7	108.9	2167	0	998
479											
2190.0	5.0	5.1	20	165	145	0	112.9	109.5	2172	0	1003
2195.0	5.0	5.1	19	165	146	0	113.0	109.4	2174	0	1006
2200.0	5.0	5.2	21	165	144	0	113.2	109.2	2179	0	1012
2205.0	5.0	5.2	22	165	143	0	113.0	109.4	2186	0	1016
2220.0	15.0	5.2	19	165	146	0	114.4	106.2	2161	0	1008
2225.0	5.0	5.3	17	165	148	0	114.9	105.8	2163	0	1016
2230.0	5.0	5.3	17	165	148	0	114.8	106.2	2174	0	1020
2235.0	5.0	5.3	20	165	145	0	114.9	106.5	2181	0	1025
2240.0	5.0	5.3	19	165	146	0	114.6	106.6	2188	0	1028
2245.0	5.0	5.3	16	160	145	0	110.4	110.5	2179	0	1024
500											
2250.0	5.0	5.4	15	162	147	0	106.5	113.3	2166	0	1028
2255.0	5.0	5.4	15	162	147	0	105.4	114.9	2167	0	1032
2260.0	5.0	5.4	14	162	148	0	105.2	114.4	2163	0	1037
2265.0	5.0	5.4	16	162	146	0	104.9	114.2	2167	0	1041
2270.0	5.0	5.4	18	162	144	0	105.5	114.8	2174	0	1045
2275.0	5.0	5.5	19	163	143	0	106.4	113.7	2182	0	1043
2280.0	5.0	5.5	20	163	143	0	114.9	107.1	2224	0	1043
2285.0	5.0	5.5	18	163	145	0	115.0	107.5	2232	0	1047
2290.0	5.0	5.5	19	163	144	0	115.3	107.5	2235	0	1053
2295.0	5.0	5.5	16	163	147	0	115.3	107.6	2234	0	1055
524											
2300.0	5.0	5.6	15	163	148	0	115.8	107.5	2239	0	1059
2310.0	10.0	5.6	16	163	147	0	114.5	109.2	2249	0	1062
2315.0	5.0	5.6	18	164	146	0	109.7	113.6	2240	0	1063
2320.0	5.0	5.7	17	164	147	0	109.5	113.7	2247	0	1068
2325.0	5.0	5.7	16	164	148	0	109.0	113.7	2248	0	1073
2330.0	5.0	5.7	16	164	148	0	110.3	111.0	2210	0	1075
2335.0	5.0	5.7	18	164	146	0	110.5	110.6	2208	0	1077
2340.0	5.0	5.8	12	154	145	0	112.9	111.4	2279	0	1073
2350.0	10.0	5.8	12	154	147	0	113.9	111.6	2302	0	1079
2355.0	5.0	5.8	12	154	148	0	110.3	112.1	2241	0	1088
555											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	555										
2360.0	5.0	5.9	12	154	143	0	107.8	112.5	2205	0	1091
2365.0	5.0	5.9	10	154	145	0	107.7	111.9	2205	0	1089
2370.0	5.0	5.9	14	163	145	0	110.2	111.8	2238	0	1088
2375.0	5.0	5.9	17	163	146	0	112.9	110.5	2270	0	1093
2380.0	5.0	6.0	17	163	146	0	110.6	110.8	2227	0	1097
2385.0	5.0	6.0	19	164	145	0	108.8	111.6	2215	0	1098
2390.0	5.0	6.0	19	165	146	0	109.2	111.4	2215	0	1099
2395.0	5.0	6.0	19	165	146	0	109.6	111.7	2214	0	1101
2400.0	5.0	6.1	19	155	144	0	109.2	112.0	2218	0	1099
2405.0	5.0	6.1	19	165	145	0	108.6	112.6	2199	0	1098
	578										
2410.0	5.0	6.1	21	165	144	0	108.5	112.3	2199	0	1100
2415.0	5.0	6.1	19	165	146	0	109.0	112.5	2208	0	1103
2420.0	5.0	6.1	20	165	145	0	109.0	112.5	2213	0	1108
2425.0	5.0	6.2	19	165	146	0	109.3	112.6	2216	0	1110
2430.0	5.0	6.2	17	162	146	0	109.0	112.7	2218	0	1108
2435.0	5.0	6.2	14	157	143	0	107.2	113.8	2232	0	1106
2440.0	5.0	6.3	12	157	148	0	107.8	114.0	2241	0	1110
2450.0	10.0	6.3	13	157	146	0	109.8	111.5	2216	0	1122
2455.0	5.0	6.3	14	157	144	0	109.2	111.0	2204	0	1126
2460.0	5.0	6.3	13	161	146	0	108.8	111.1	2206	0	1129
	607										
2465.0	5.0	6.4	18	165	147	0	107.1	113.6	2233	0	1127
2470.0	5.0	6.4	18	165	147	0	108.2	113.9	2246	0	1129
2475.0	5.0	6.4	21	165	144	0	108.4	114.1	2253	0	1134
2480.0	5.0	6.4	19	165	146	0	108.2	113.1	2243	0	1145
2485.0	5.0	6.5	22	165	143	0	109.2	110.4	2213	0	1153
2490.0	5.0	6.5	21	165	144	0	109.0	110.6	2214	0	1161
2495.0	5.0	6.5	21	165	144	0	109.1	112.0	2255	0	1155
2500.0	5.0	6.5	21	165	144	0	110.7	106.0	2175	0	1159
2505.0	5.0	6.5	22	165	143	0	110.1	109.4	2230	0	1160
2510.0	5.0	6.5	21	165	144	0	110.4	109.7	2215	0	1162
	625										
2515.0	5.0	6.6	20	165	145	0	115.2	102.0	2191	0	1163
2520.0	5.0	6.6	20	165	145	0	114.9	104.8	2242	0	1174
2525.0	5.0	6.6	19	165	146	0	115.0	106.5	2258	0	1179
2530.0	5.0	6.6	21	167	146	0	116.7	105.2	2255	0	1170
2540.0	10.0	6.7	23	167	144	0	113.7	105.5	2210	0	1174
2545.0	5.0	6.7	25	167	142	0	112.0	105.5	2185	0	1174
2550.0	5.0	6.7	23	168	145	0	111.1	106.5	2193	0	1174
2560.0	10.0	6.8	23	169	146	0	111.5	106.9	2204	0	1179
2565.0	5.0	6.8	23	169	146	0	111.9	104.9	2188	0	1183
2570.0	5.0	6.9	21	169	148	0	109.6	107.0	2179	0	1187
	659										
2575.0	5.0	6.9	26	169	143	0	108.4	109.6	2195	0	1190
2580.0	5.0	6.9	25	169	144	0	108.1	109.4	2196	0	1197
2590.0	10.0	6.9	24	170	146	0	105.3	110.0	2178	0	1196
2595.0	5.0	7.0	23	171	148	0	110.6	106.5	2194	0	1197
2600.0	5.0	7.0	23	171	148	0	110.4	106.2	2197	0	1203
2605.0	5.0	7.1	21	171	150	0	110.8	106.6	2203	0	1201
2610.0	5.0	7.1	23	171	148	0	110.3	106.5	2206	0	1203
2615.0	5.0	7.1	23	171	148	0	110.9	106.7	2211	0	1203
2620.0	5.0	7.2	21	169	149	0	110.4	106.7	2200	0	1202
2625.0	5.0	7.2	21	170	149	0	107.1	112.0	2240	0	1213
	694										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	694										
2630.0	5.0	7.2	21	170	149	0	107.4	111.4	2238	0	1212
2635.0	5.0	7.3	23	170	147	0	107.6	110.3	2230	0	1213
2640.0	5.0	7.3	24	170	146	0	107.5	110.3	2222	0	1216
2645.0	5.0	7.4	26	170	144	0	107.1	110.2	2213	0	1217
2650.0	5.0	7.4	24	170	146	0	107.3	110.2	2212	0	1220
2655.0	5.0	7.4	22	170	148	0	108.7	108.8	2230	0	1219
2660.0	5.0	7.5	24	170	146	0	108.9	109.8	2235	0	1220
2665.0	5.0	7.5	22	170	148	0	108.8	109.9	2235	0	1222
2670.0	5.0	7.6	23	170	147	0	109.1	110.3	2240	0	1224
2675.0	5.0	7.6	23	170	147	0	109.0	110.0	2246	0	1226
	740										
2685.0	10.0	7.7	21	170	149	0	108.4	108.4	2225	0	1223
2690.0	5.0	7.7	22	170	149	0	108.5	107.0	2207	0	1224
2695.0	5.0	7.7	26	170	144	0	108.4	107.3	2208	0	1226
2700.0	5.0	7.8	24	170	146	0	109.0	107.5	2209	0	1227
2705.0	5.0	7.8	21	170	149	0	108.2	107.6	2206	0	1228
2710.0	5.0	7.8	19	171	151	0	108.8	108.6	2214	0	1227
2720.0	10.0	7.9	22	171	149	0	108.1	108.5	2222	0	1240
2725.0	5.0	7.9	21	171	150	0	108.2	108.2	2214	0	1241
2730.0	5.0	8.0	23	171	148	0	108.7	109.1	2213	0	1243
2735.0	5.0	8.0	21	171	150	0	108.7	109.0	2208	0	1248
	783										
2740.0	5.0	8.0	21	171	150	0	108.6	108.3	2207	0	1247
2745.0	5.0	8.1	17	167	150	0	108.3	109.4	2234	0	1246
2750.0	5.0	8.1	16	167	151	0	109.1	110.4	2257	0	1248
2755.0	5.0	8.2	18	172	154	0	109.2	110.6	2238	0	1251
2760.0	5.0	8.2	25	172	147	0	110.0	110.8	2237	0	1252
2765.0	5.0	8.2	25	172	147	0	109.6	110.8	2251	0	1254
2770.0	5.0	8.3	23	172	148	0	110.1	110.6	2268	0	1256
2775.0	5.0	8.3	23	172	149	0	109.5	111.1	2265	0	1259
2780.0	5.0	8.4	22	172	150	0	106.3	110.5	2226	0	1265
2785.0	5.0	8.4	24	172	148	0	107.3	110.3	2231	0	1270
	826										
2790.0	5.0	8.4	25	172	147	0	106.8	110.7	2233	0	1274
2795.0	5.0	8.5	27	172	145	0	107.5	111.0	2235	0	1278
2800.0	5.0	8.5	27	172	145	0	107.4	110.8	2239	0	1282
2810.0	10.0	8.6	24	173	148	0	106.0	112.0	2229	0	1292
2815.0	5.0	8.6	25	173	148	0	102.9	113.8	2211	0	1300
2820.0	5.0	8.7	26	173	147	0	106.6	109.6	2205	0	1300
2825.0	5.0	8.7	24	173	149	0	106.6	108.4	2200	0	1306
2830.0	5.0	8.7	25	173	148	0	107.4	108.8	2197	0	1308
2835.0	5.0	8.8	24	173	149	0	106.8	109.0	2199	0	1316
2840.0	5.0	8.8	24	168	148	0	108.8	110.5	2256	0	1306
	873										
2845.0	5.0	8.9	23	173	150	0	108.4	111.9	2279	0	1303
2850.0	5.0	8.9	25	173	148	0	106.2	112.2	2238	0	1307
2860.0	10.0	8.9	26	173	147	0	106.3	111.5	2246	0	1311
2865.0	5.0	9.0	23	173	150	0	106.3	112.2	2256	0	1309
2870.0	5.0	9.0	20	173	153	0	106.3	112.0	2265	0	1306
2875.0	5.0	9.1	9	173	164	0	106.4	112.6	2278	0	1302
2880.0	5.0	9.2	15	173	158	0	106.7	112.5	2276	0	1302
2885.0	5.0	9.3	17	173	156	0	106.5	112.5	2270	0	1304
2890.0	5.0	9.3	17	173	158	0	106.5	113.7	2274	0	1312
2895.0	5.0	9.4	16	173	159	0	98.5	132.1	2304	0	1317
	913										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	913										
2900.0	5.0	9.4	17	173	159	0	96.0	129.4	2308	0	1322
2905.0	5.0	9.5	18	173	160	0	97.0	129.8	2306	0	1326
2911.0	6.0	9.5	18	187	148	0	97.5	129.0	2310	0	1331
				NEW BIT ID:	3						
2915.0	.0	.0	10	158	147	0	106.0	.0	1229	0	1363
2920.0	5.0	.2	21	166	145	0	106.0	.0	1215	0	1365
2925.0	5.0	.2	5	166	160	0	93.9	100.7	2488	0	1368
2930.0	5.0	.3	8	166	158	0	90.3	123.4	1389	0	1373
2935.0	5.0	.5	9	166	157	0	82.6	124.9	1649	0	1378
2940.0	5.0	.6	16	166	150	0	88.1	110.2	3249	0	1380
2945.0	5.0	.6	13	166	153	0	74.5	113.1	2366	0	1386
	938										
2950.0	5.0	.7	20	166	146	0	85.3	85.8	2482	0	1391
2955.0	5.0	.8	15	166	151	0	78.2	79.0	2121	0	1393
2960.0	5.0	.8	16	166	150	0	69.4	74.2	1833	0	1395
2965.0	5.0	.9	17	165	148	0	73.1	66.3	1592	0	1393
2970.0	5.0	.9	19	163	144	0	94.3	1.5	964	0	1392
2975.0	5.0	1.0	20	164	144	0	84.4	61.0	1090	0	1395
2980.0	5.0	1.1	24	166	142	0	105.6	2.3	1192	0	1398
2985.0	5.0	1.1	22	166	144	0	73.5	77.6	2082	0	1402
2990.0	5.0	1.1	23	166	143	0	78.9	76.8	2173	0	1406
2995.0	5.0	1.1	21	167	145	0	81.8	67.2	2018	0	1410
	980										
3000.0	5.0	1.2	24	168	144	0	103.7	.0	1079	0	1415
3005.0	5.0	1.2	25	168	143	0	104.9	.0	1097	0	1419
3010.0	5.0	1.3	24	168	145	0	104.7	.0	1100	0	1421
3015.0	5.0	1.4	24	168	144	0	104.9	.0	1105	0	1424
3020.0	5.0	1.4	25	168	143	0	105.0	.0	1106	0	1429
3025.0	5.0	1.5	23	168	145	0	104.0	.0	1105	0	1440
3030.0	5.0	1.5	25	168	143	0	104.8	.0	1113	0	1440
3035.0	5.0	1.5	26	168	142	0	105.0	.0	1117	0	1440
3040.0	5.0	1.6	23	168	144	0	105.7	.0	1120	0	1435
3045.0	5.0	1.7	25	168	143	0	105.5	.0	1129	0	1438
	1027										
3050.0	5.0	1.7	26	168	142	0	106.1	.0	1132	0	1439
3055.0	5.0	1.8	26	168	142	0	106.0	.0	1135	0	1441
3060.0	5.0	1.8	25	169	143	0	105.9	.0	1182	0	1441
3065.0	5.0	1.8	26	169	143	0	106.4	.0	1214	0	1444
3070.0	5.0	1.9	26	169	143	0	107.7	.0	1220	0	1447
3075.0	5.0	1.9	25	169	144	0	108.3	.0	1232	0	1449
3080.0	5.0	1.9	28	169	142	0	108.1	.0	1232	0	1453
3085.0	5.0	2.0	28	169	142	0	109.1	.0	1237	0	1457
3090.0	5.0	2.0	23	170	147	0	107.0	.0	1230	0	1464
3095.0	5.0	2.1	27	172	145	0	107.1	.0	1212	0	1468
	1065										
3100.0	5.0	2.1	28	172	144	0	108.2	.0	1220	0	1470
3105.0	5.0	2.2	29	172	143	0	108.5	.0	1221	0	1472
3110.0	5.0	2.2	30	172	141	0	109.1	.0	1235	0	1474
3115.0	5.0	2.3	31	172	141	0	109.4	.0	1238	0	1474
3120.0	5.0	2.3	30	172	141	0	109.3	.0	1239	0	1478
3125.0	5.0	2.4	27	172	144	0	82.5	74.1	2356	0	1477
3130.0	5.0	2.5	29	172	143	0	84.7	79.2	2466	0	1479

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1097										
3135.0	5.0	2.5	29	172	143	0	84.5	78.5	2467	0	1481
3140.0	5.0	2.6	30	172	142	0	84.9	79.1	2473	0	1485
3145.0	5.0	2.6	32	172	140	0	84.6	78.1	2486	0	1489
3150.0	5.0	2.6	30	172	142	0	85.8	78.7	2485	0	1493
3155.0	5.0	2.7	22	173	151	0	81.2	81.1	2438	0	1493
3160.0	5.0	2.7	30	173	143	0	78.2	83.8	2411	0	1497
3165.0	5.0	2.8	31	173	142	0	77.9	83.5	2415	0	1500
3170.0	5.0	2.8	33	173	140	0	77.8	83.7	2426	0	1502
3175.0	5.0	2.8	32	173	141	0	78.1	83.9	2427	0	1504
3180.0	5.0	2.8	31	173	142	0	77.3	84.1	2441	0	1508
	1131										
3185.0	5.0	2.9	27	171	144	0	80.5	83.5	2578	0	1512
3190.0	5.0	2.9	30	171	141	0	85.5	85.4	2721	0	1514
3195.0	5.0	2.9	31	171	140	0	87.1	85.1	2709	0	1514
3200.0	5.0	3.0	31	171	140	0	87.1	85.7	2717	0	1517
3205.0	5.0	3.0	29	171	142	0	86.0	84.5	2714	0	1519
3210.0	5.0	3.0	29	171	141	0	86.7	84.9	2710	0	1522
3215.0	5.0	3.1	26	171	145	0	86.6	84.6	2710	0	1524
3220.0	5.0	3.1	31	172	140	0	86.2	85.0	2699	0	1523
3225.0	5.0	3.2	32	173	141	0	87.0	84.5	2701	0	1524
3230.0	5.0	3.2	33	172	139	0	87.2	84.5	2713	0	1526
	1170										
3235.0	5.0	3.3	33	172	139	0	87.0	84.3	2710	0	1530
3240.0	5.0	3.3	32	172	140	0	87.2	83.5	2712	0	1535
3245.0	5.0	3.4	33	172	139	0	84.2	83.7	2631	0	1539
3250.0	5.0	3.4	31	172	141	0	81.8	80.0	2700	0	1542
3255.0	5.0	3.5	34	172	138	0	84.6	79.6	2739	0	1546
3260.0	5.0	3.5	33	172	139	0	83.9	79.8	2742	0	1550
3265.0	5.0	3.6	33	172	139	0	84.8	79.8	2749	0	1554
3270.0	5.0	3.7	32	172	140	0	84.4	79.9	2758	0	1559
3275.0	5.0	3.7	30	172	142	0	84.8	79.8	2758	0	1563
3280.0	5.0	3.9	29	173	144	0	85.2	79.9	2667	0	1563
	1208										
3285.0	5.0	3.9	31	173	143	0	82.0	74.4	2500	0	1564
3290.0	5.0	4.0	33	173	140	0	75.7	70.1	2251	0	1566
3295.0	5.0	4.0	33	173	140	0	75.5	69.7	2247	0	1568
3300.0	5.0	4.1	31	173	143	0	75.6	70.3	2261	0	1571
3305.0	5.0	4.2	32	173	142	0	76.5	69.9	2263	0	1575
3310.0	5.0	4.3	31	173	142	0	74.2	70.1	2197	0	1580
3315.0	5.0	4.3	31	173	142	0	70.9	75.2	2273	0	1588
3320.0	5.0	4.4	32	173	141	0	71.1	76.0	2294	0	1593
3325.0	5.0	4.5	30	173	143	0	71.4	76.1	2313	0	1597
3330.0	5.0	4.5	30	173	143	0	71.6	76.1	2330	0	1601
	1254										
3335.0	5.0	4.6	28	173	145	0	80.4	85.8	2834	0	1602
3340.0	5.0	4.7	32	173	141	0	81.4	83.0	2752	0	1598
3345.0	5.0	4.8	26	173	146	0	81.7	83.4	2768	0	1581
3350.0	5.0	4.9	26	173	147	0	79.4	84.3	2741	0	1576
3355.0	5.0	5.0	28	173	145	0	79.0	84.4	2746	0	1582
3360.0	5.0	5.0	29	173	144	0	79.5	84.3	2754	0	1588
3365.0	5.0	5.1	26	173	146	0	79.8	84.5	2760	0	1594
3370.0	5.0	5.2	28	173	144	0	78.9	83.5	2697	0	1596
3375.0	5.0	5.3	29	176	147	0	78.5	76.9	2541	0	1601
3380.0	5.0	5.3	30	177	147	0	82.2	81.1	2731	0	1603
	1299										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1299											
3385.0	5.0	5.4	33	177	144	0	81.7	80.6	2728	0	1608
3390.0	5.0	5.5	33	177	144	0	81.5	81.5	2744	0	1612
3395.0	5.0	5.5	33	177	144	0	81.9	81.3	2747	0	1613
3400.0	5.0	5.6	28	177	149	0	81.6	81.2	2743	0	1616
3405.0	5.0	5.7	32	178	146	0	83.2	80.3	2732	0	1618
3410.0	5.0	5.8	31	179	148	0	83.3	79.7	2739	0	1620
3415.0	5.0	5.9	31	179	148	0	83.0	79.8	2747	0	1621
3420.0	5.0	6.0	31	179	148	0	83.6	80.0	2746	0	1625
3425.0	5.0	6.0	33	179	146	0	83.2	79.9	2750	0	1626
3430.0	5.0	6.1	32	179	147	0	83.5	80.0	2762	0	1629
1345											
3435.0	5.0	6.2	31	178	147	0	81.6	80.7	2734	0	1632
3440.0	5.0	6.3	32	179	147	0	77.0	85.5	2765	0	1635
3445.0	5.0	6.3	34	180	146	0	77.6	86.1	2766	0	1637
3450.0	5.0	6.4	36	180	144	0	77.5	86.1	2773	0	1641
3455.0	5.0	6.5	34	180	146	0	77.7	86.1	2787	0	1644
3460.0	5.0	6.6	38	180	142	0	78.0	85.5	2775	0	1647
3465.0	5.0	6.6	37	180	143	0	75.3	84.5	2632	0	1649
3470.0	5.0	6.7	40	181	141	0	63.5	78.1	2255	0	1655
3475.0	5.0	6.8	38	181	143	0	84.5	78.2	2777	0	1656
3480.0	5.0	6.8	38	181	143	0	83.3	78.3	2716	0	1660
1387											
3485.0	5.0	6.9	39	181	142	0	82.8	78.9	2731	0	1663
3490.0	5.0	6.9	40	181	141	0	83.0	78.6	2726	0	1667
3495.0	5.0	7.0	39	181	142	0	83.5	78.2	2733	0	1670
3500.0	5.0	7.0	37	181	144	0	83.4	81.3	2773	0	1665
3505.0	5.0	7.1	39	181	142	0	77.0	81.1	2762	0	1667
3510.0	5.0	7.1	38	182	143	0	77.7	81.6	2769	0	1669
3515.0	5.0	7.2	39	182	143	0	77.5	81.5	2775	0	1673
3520.0	5.0	7.2	40	182	142	0	77.6	81.9	2778	0	1677
3525.0	5.0	7.3	41	182	141	0	76.9	81.4	2771	0	1680
3530.0	5.0	7.4	40	182	142	0	77.3	81.5	2649	0	1680
1429											
3535.0	5.0	7.4	40	182	142	0	82.1	78.8	2838	0	1681
3540.0	5.0	7.5	40	182	142	0	78.9	79.8	2763	0	1684
3545.0	5.0	7.5	40	182	142	0	77.6	80.7	2752	0	1687
3550.0	5.0	7.6	40	182	142	0	77.4	80.2	2760	0	1691
3555.0	5.0	7.6	40	182	142	0	77.0	80.4	2763	0	1695
3560.0	5.0	7.7	41	182	141	0	77.0	80.0	2763	0	1697
3565.0	5.0	7.8	36	179	144	0	79.0	81.2	2851	0	1695
3570.0	5.0	7.8	39	181	142	0	80.4	78.7	2795	0	1696
3575.0	5.0	7.9	40	183	143	0	78.7	78.1	2750	0	1699
3580.0	5.0	7.9	40	183	143	0	78.7	78.3	2750	0	1703
1476											
3585.0	5.0	8.0	37	183	146	0	78.8	78.1	2761	0	1708
3590.0	5.0	8.0	42	183	141	0	78.6	78.2	2756	0	1712
3595.0	5.0	8.1	40	184	143	0	80.7	78.7	2725	0	1710
3600.0	5.0	8.2	42	184	142	0	78.1	79.1	2768	0	1712
3605.0	5.0	8.2	42	184	142	0	77.1	78.7	2727	0	1715
3610.0	5.0	8.3	41	184	143	0	78.2	79.1	2734	0	1718
3615.0	5.0	8.3	42	183	141	0	77.6	78.4	2736	0	1722
3620.0	5.0	8.4	41	183	142	0	78.2	78.6	2747	0	1726
3625.0	5.0	8.5	34	185	151	0	79.0	78.6	2762	0	1724
3630.0	5.0	8.5	42	186	145	0	80.1	78.9	2838	0	1723
1514											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	RWOV	SPM1	SPM2	PMPR	PCSG	HSP
1514											
3635.0	5.0	8.6	39	184	145	0	80.3	79.3	2842	0	1727
3640.0	5.0	8.6	39	184	145	0	79.9	79.5	2851	0	1732
3645.0	5.0	8.7	42	184	142	0	79.4	79.2	2858	0	1735
3650.0	5.0	8.7	42	184	142	0	79.6	79.0	2851	0	1741
3655.0	5.0	8.8	41	184	143	0	79.6	79.0	2857	0	1745
3660.0	5.0	8.8	44	183	140	0	79.7	78.4	2865	0	1750
3665.0	5.0	8.9	43	183	140	0	79.5	79.4	2860	0	1755
3670.0	5.0	8.9	41	183	142	0	79.8	78.6	2866	0	1759
3675.0	5.0	9.0	40	183	143	0	79.3	79.0	2856	0	1763
3680.0	5.0	9.0	39	183	144	0	79.2	79.0	2859	0	1766
1526											
3685.0	5.0	9.1	40	183	143	0	79.2	79.2	2860	0	1769
3690.0	5.0	9.1	38	183	145	0	71.7	84.2	2767	0	1764
3695.0	5.0	9.2	36	184	148	0	69.6	86.0	2752	0	1756
3700.0	5.0	9.3	37	184	147	0	70.0	86.4	2747	0	1759
3705.0	5.0	9.3	38	184	146	0	77.2	77.7	2715	0	1762
3710.0	5.0	9.4	38	184	146	0	80.0	74.6	2723	0	1765
3715.0	5.0	9.5	37	184	147	0	80.8	74.3	2725	0	1767
3720.0	5.0	9.6	38	184	146	0	82.7	87.0	2706	0	1767
3725.0	5.0	9.6	40	184	144	0	85.2	88.0	2719	0	1769
3730.0	5.0	9.7	40	184	144	0	85.3	87.7	2725	0	1771
1567											
3735.0	5.0	9.8	40	184	144	0	85.1	86.6	2732	0	1774
3740.0	5.0	9.8	39	184	145	0	85.4	88.3	2735	0	1778
3745.0	5.0	9.9	37	184	147	0	85.4	88.1	2738	0	1785
3750.0	5.0	10.0	39	185	146	0	84.0	84.5	2661	0	1796
3755.0	5.0	10.0	40	185	145	0	84.3	85.5	2672	0	1801
3760.0	5.0	10.1	38	185	147	0	84.3	85.6	2672	0	1805
3765.0	5.0	10.2	39	185	146	0	84.4	86.3	2678	0	1808
3770.0	5.0	10.3	38	185	147	0	84.4	86.1	2688	0	1812
3775.0	5.0	10.3	38	185	147	0	85.4	86.4	2730	0	1815
3780.0	5.0	10.4	38	185	147	0	85.0	86.3	2723	0	1817
1612											
3785.0	5.0	10.5	40	186	146	0	84.3	82.7	2647	0	1819
3790.0	5.0	10.5	41	186	145	0	84.6	84.9	2666	0	1822
3795.0	5.0	10.6	41	186	145	0	83.9	83.7	2676	0	1825
3800.0	5.0	10.7	41	186	145	0	83.8	83.6	2684	0	1827
3805.0	5.0	10.7	40	186	146	0	84.9	84.1	2689	0	1832
3810.0	5.0	10.8	41	186	145	0	85.2	85.1	2691	0	1835
3815.0	5.0	10.9	35	179	145	0	84.6	84.3	2683	0	1832
3820.0	5.0	10.9	31	177	146	0	83.8	84.8	2705	0	1832
3825.0	5.0	11.0	30	177	147	0	84.1	85.1	2707	0	1833
3830.0	5.0	11.0	36	182	145	0	84.4	84.8	2702	0	1837
1656											
3835.0	5.0	11.1	39	185	146	0	84.1	85.6	2709	0	1843
3840.0	5.0	11.2	38	185	147	0	84.8	85.7	2709	0	1846
3845.0	5.0	11.2	40	186	146	0	84.4	82.5	2627	0	1843
3850.0	5.0	11.3	38	186	148	0	84.5	82.5	2621	0	1838
3855.0	5.0	11.4	38	186	148	0	83.7	82.1	2631	0	1833
3860.0	5.0	11.5	39	186	147	0	84.8	83.2	2648	0	1829
3865.0	5.0	11.5	39	186	147	0	85.0	83.0	2658	0	1826
3870.0	5.0	11.6	38	185	148	0	85.2	82.9	2662	0	1824
3875.0	5.0	11.7	39	186	147	0	84.2	84.5	2705	0	1834
3880.0	5.0	11.7	40	186	146	0	84.9	84.9	2702	0	1837
1698											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1698											
3885.0	5.0	11.8	40	186	146	0	84.4	84.7	2705	0	1840
3890.0	5.0	11.8	40	186	146	0	83.2	84.6	2709	0	1844
3895.0	5.0	11.9	40	186	146	0	82.6	84.4	2722	0	1846
3900.0	5.0	12.0	40	186	146	0	84.9	85.7	2728	0	1846
3905.0	5.0	12.1	39	186	147	0	84.8	85.7	2729	0	1847
3910.0	5.0	12.2	38	187	149	0	84.7	83.0	2671	0	1854
3915.0	5.0	12.2	41	187	146	0	84.3	82.2	2665	0	1858
3920.0	5.0	12.3	41	187	146	0	85.2	82.8	2681	0	1862
3925.0	5.0	12.3	41	187	146	0	85.6	83.5	2688	0	1864
3930.0	5.0	12.4	42	187	145	0	85.4	83.6	2703	0	1864
1738											
3935.0	5.0	12.5	41	187	146	0	85.9	84.7	2719	0	1864
3940.0	5.0	12.5	38	187	149	0	85.2	83.2	2627	0	1840
3945.0	5.0	12.6	37	185	148	0	85.2	83.0	2631	0	1838
3950.0	5.0	12.7	37	185	148	0	85.3	84.8	2660	0	1841
3955.0	5.0	12.7	37	185	148	0	85.3	85.2	2675	0	1845
3960.0	5.0	12.8	37	185	148	0	85.0	85.2	2675	0	1851
3965.0	5.0	12.8	36	185	149	0	85.1	85.3	2679	0	1855
3970.0	5.0	12.9	36	186	150	0	86.2	85.5	2662	0	1863
3975.0	5.0	13.1	36	187	151	0	83.9	85.4	2638	0	1875
3980.0	5.0	13.1	35	187	152	0	83.0	84.3	2639	0	1879
1776											
3985.0	5.0	13.3	36	187	151	0	85.2	86.0	2643	0	1883
3990.0	5.0	13.4	37	187	150	0	82.3	84.8	2632	0	1890
3995.0	5.0	13.5	34	187	153	0	85.0	85.4	2523	0	1885
4000.0	5.0	13.6	31	187	156	0	85.0	84.0	2620	0	1874
4010.0	10.0	13.8	34	188	154	0	85.0	84.2	2650	0	1877
4015.0	5.0	13.9	35	188	153	0	85.0	85.1	2662	0	1881
4020.0	5.0	14.0	36	188	152	0	85.0	86.7	2662	0	1886
4025.0	5.0	14.1	37	188	151	0	85.0	85.4	2664	0	1893
4030.0	5.0	14.1	32	188	156	0	85.0	85.7	2672	0	1895
4035.0	5.0	14.1	38	188	156	0	85.0	78.1	2629	0	1905
1791											
4040.0	5.0	14.3	38	188	150	0	85.0	76.3	2630	0	1887
4045.0	5.0	14.3	39	188	149	0	85.0	77.7	2634	0	1887
4050.0	5.0	14.4	38	188	150	0	81.6	78.5	2638	0	1889
4055.0	5.0	14.5	38	188	150	0	80.0	78.8	2641	0	1891
4060.0	5.0	14.5	35	188	153	0	78.0	78.4	2607	0	1877
4065.0	5.0	14.6	37	188	151	0	78.2	79.3	2631	0	1876
4070.0	5.0	14.6	37	188	151	0	78.7	79.0	2644	0	1867
4075.0	5.0	14.7	37	188	151	0	79.2	79.1	2661	0	1857
4080.0	5.0	14.8	38	188	150	0	79.6	80.3	2687	0	1852
4085.0	5.0	14.9	39	188	149	0	78.7	78.6	2684	0	1849
1832											
4090.0	5.0	14.9	38	188	150	0	79.2	79.6	2696	0	1848
4095.0	5.0	15.0	37	188	151	0	79.7	79.4	2692	0	1848
4100.0	5.0	15.1	39	188	149	0	79.7	78.9	2696	0	1847
4105.0	5.0	15.2	37	188	151	0	80.0	78.9	2715	0	1850
4110.0	5.0	15.2	38	188	150	0	80.6	79.0	2717	0	1854
4115.0	5.0	15.3	38	188	150	0	80.6	78.6	2717	0	1859
4120.0	5.0	15.4	38	188	150	0	80.6	79.0	2726	0	1864
4125.0	5.0	15.6	39	188	149	0	80.6	77.8	2722	0	1867
4130.0	5.0	.1	18	188	170	0	66.0	83.4	2769	0	1887
4135.0	5.0	.2	20	188	168	0	53.1	83.2	2750	0	1896
1882											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1882										
4140.0	5.0	.4	22	188	166	0	78.2	82.7	2740	0	1907
4145.0	5.0	.5	22	188	166	0	77.9	83.1	2735	0	1910
4150.0	5.0	.6	22	188	166	0	77.8	83.1	2719	0	1911
4155.0	5.0	.7	27	188	161	0	77.4	83.1	2716	0	1911
4160.0	5.0	.8	32	188	156	0	61.1	94.3	1975	0	1918
4165.0	5.0	.8	33	188	155	0	41.6	98.7	1115	0	1925
4170.0	5.0	.9	31	188	157	0	67.7	76.9	2571	0	1932
4175.0	5.0	.9	35	188	153	0	79.1	81.8	2732	0	1938
4180.0	5.0	1.0	36	188	152	0	79.2	81.2	2727	0	1942
4185.0	5.0	1.0	38	188	150	0	79.8	80.7	2733	0	1944
	1928										
4190.0	5.0	1.1	38	188	150	0	78.7	80.4	2716	0	1947
4195.0	5.0	1.1	37	188	151	0	79.7	80.4	2709	0	1949
4200.0	5.0	1.1	36	188	152	0	79.6	80.7	2731	0	1953
4205.0	5.0	1.2	40	188	148	0	79.4	81.2	2740	0	1956
4210.0	5.0	1.2	42	188	146	0	79.3	80.9	2756	0	1960
4215.0	5.0	1.2	41	188	147	0	79.9	81.3	2753	0	1964
4220.0	5.0	1.3	39	188	149	0	79.4	81.8	2767	0	1966
4225.0	5.0	1.3	35	189	153	0	79.6	80.0	2712	0	1969
4230.0	5.0	1.3	38	189	151	0	79.7	78.6	2699	0	1972
4235.0	5.0	1.4	32	189	157	0	80.3	78.9	2715	0	1977
	1962										
4240.0	5.0	1.4	39	189	150	0	80.7	79.3	2849	0	1983
4245.0	5.0	1.4	39	189	150	0	80.5	78.5	2848	0	1991
4250.0	5.0	1.5	42	189	147	0	82.3	78.8	2889	0	2000
4255.0	5.0	1.5	37	189	152	0	81.7	79.6	2880	0	2018
4260.0	5.0	1.6	35	189	154	0	80.9	80.1	2887	0	2033
4265.0	5.0	1.6	37	189	152	0	81.2	80.0	2894	0	2039
4270.0	5.0	1.6	42	189	147	0	81.2	79.7	2895	0	2045
4275.0	5.0	1.7	40	189	149	0	80.9	80.0	2892	0	2048
4280.0	5.0	1.7	41	189	148	0	81.1	80.2	2891	0	2058
4285.0	5.0	1.7	40	189	149	0	79.5	78.4	2797	0	2066
	2005										
4290.0	5.0	1.8	38	189	151	0	78.4	77.6	2754	0	2069
4295.0	5.0	1.8	41	189	148	0	82.5	77.7	2876	0	2072
4300.0	5.0	1.8	35	189	154	0	82.4	79.9	2923	0	2077
4305.0	5.0	1.9	39	189	150	0	80.4	80.2	2903	0	2080
4310.0	5.0	1.9	43	189	146	0	80.7	80.8	2915	0	2085
4320.0	10.0	2.0	34	189	155	0	80.1	81.1	2892	0	2086
4325.0	5.0	2.0	35	189	153	0	79.7	82.0	2942	0	2093
4330.0	5.0	2.1	37	189	152	0	80.1	81.4	2916	0	2103
4335.0	5.0	2.1	36	189	153	0	80.2	81.9	2914	0	2105
4340.0	5.0	2.1	36	189	153	0	79.7	81.6	2927	0	2107
	2045										
4350.0	10.0	2.2	35	189	154	0	78.5	82.4	2939	0	2108
4355.0	5.0	2.2	35	189	154	0	78.5	83.6	2956	0	2110
4360.0	5.0	2.2	35	189	154	0	78.5	83.8	2952	0	2112
4365.0	5.0	2.2	37	189	152	0	74.6	83.3	2961	0	2112
4370.0	5.0	2.3	36	189	153	0	77.9	83.7	2963	0	2110
4380.0	10.0	2.3	36	189	153	0	78.8	81.9	2927	0	2107
4390.0	10.0	2.4	35	189	154	0	80.5	77.6	2840	0	2102
4395.0	5.0	2.4	37	189	152	0	80.4	80.4	2916	0	2105
4400.0	5.0	2.4	36	189	153	0	77.6	78.8	2831	0	2104
4405.0	5.0	2.5	37	189	152	0	77.6	80.2	2839	0	2103
	2081										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2081											
4410.0	5.0	2.5	37	189	152	0	77.7	80.3	2831	0	2099
4415.0	5.0	2.6	38	190	152	0	76.6	80.7	2825	0	2096
4420.0	5.0	2.6	37	190	153	0	76.8	80.4	2827	0	2098
4425.0	5.0	2.6	39	190	151	0	76.5	80.7	2825	0	2101
4430.0	5.0	2.7	35	189	155	0	73.9	79.8	2789	0	2106
4440.0	10.0	2.7	34	189	155	0	73.6	78.5	2786	0	2112
4445.0	5.0	2.8	35	189	154	0	74.7	78.9	2792	0	2120
4450.0	5.0	2.8	34	189	155	0	76.8	79.6	2797	0	2123
4455.0	5.0	2.8	38	189	151	0	75.9	79.4	2805	0	2126
4460.0	5.0	2.9	36	189	153	0	76.6	79.2	2814	0	2128
2118											
4470.0	10.0	2.9	38	189	151	0	76.3	80.1	2839	0	2136
4480.0	10.0	3.0	36	189	153	0	72.6	78.4	2753	0	2132
4485.0	5.0	3.1	32	189	157	0	73.2	78.5	2751	0	2131
4490.0	5.0	3.1	33	189	156	0	72.7	78.5	2762	0	2134
4500.0	10.0	3.1	38	189	151	0	69.9	78.8	2768	0	2139
4510.0	10.0	3.2	33	189	156	0	70.6	77.7	2833	0	2147
4515.0	5.0	3.2	36	189	153	0	72.3	76.7	2921	0	2156
4520.0	5.0	3.3	38	189	151	0	74.2	76.6	2926	0	2158
4525.0	5.0	3.3	38	189	151	0	75.0	77.1	2936	0	2162
4530.0	5.0	3.3	38	189	151	0	68.3	76.4	2933	0	2166
2161											
4540.0	10.0	3.3	34	185	152	0	70.6	77.6	2949	0	2166
4545.0	5.0	3.4	30	181	151	0	70.6	79.4	2982	0	2167
4550.0	5.0	3.4	27	183	155	0	70.6	79.8	2985	0	2167
4560.0	10.0	3.5	33	189	156	0	70.6	78.6	2965	0	2171
4565.0	5.0	3.5	33	189	156	0	70.6	78.7	2958	0	2175
4570.0	5.0	3.6	35	190	154	0	70.6	79.3	2966	0	2180
4580.0	10.0	3.6	36	190	154	0	70.6	78.8	2916	0	2185
4585.0	5.0	3.6	38	190	152	0	70.6	79.4	2840	0	2191
4590.0	5.0	3.7	37	190	153	0	70.6	78.9	2837	0	2197
4600.0	10.0	3.7	35	190	155	0	70.6	79.0	2848	0	2202
2196											
4610.0	10.0	3.8	36	191	155	0	70.6	75.5	2801	0	2202
4615.0	5.0	3.8	39	191	152	0	70.6	77.8	2923	0	2202
4620.0	5.0	3.8	39	191	152	0	70.6	77.8	2932	0	2204
4625.0	5.0	3.9	37	191	153	0	70.6	78.0	2933	0	2205
4630.0	5.0	3.9	36	191	156	0	70.6	76.7	2878	0	2203
4640.0	10.0	3.9	38	191	153	0	70.6	76.9	2886	0	2211
4645.0	5.0	4.0	41	191	150	0	70.6	77.2	2899	0	2216
4650.0	5.0	4.0	41	191	150	0	70.6	77.8	2906	0	2218
4655.0	5.0	4.1	40	191	152	0	70.6	77.2	2910	0	2219
4660.0	5.0	4.1	39	191	153	0	70.6	78.1	2919	0	2223
2235											
4665.0	5.0	4.1	26	179	156	0	70.6	77.3	2905	0	2223
4670.0	5.0	4.1	37	191	154	0	70.6	78.0	2902	0	2228
4675.0	5.0	4.2	37	191	154	0	70.6	77.6	2903	0	2229
4680.0	5.0	4.2	39	191	152	0	70.6	77.2	2913	0	2232
4690.0	10.0	4.2	32	186	154	0	70.6	78.0	2924	0	2232
4695.0	5.0	4.3	35	191	156	0	70.6	77.3	2924	0	2241
4700.0	5.0	4.3	37	191	154	0	70.6	77.6	2932	0	2246
4710.0	10.0	4.3	38	191	153	0	70.6	76.8	2938	0	2251
4715.0	5.0	4.4	38	191	153	0	70.6	77.0	2949	0	2258
4720.0	5.0	4.4	37	191	154	0	70.6	77.1	2948	0	2258
2257											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	2257										
4725.0	5.0	4.4	35	191	171	0	70.6	77.0	2896	0	2258
4730.0	5.0	4.4	36	191	155	0	70.6	78.6	2911	0	2262
4735.0	5.0	4.5	34	191	157	0	70.6	78.5	2940	0	2266
4740.0	5.0	4.5	39	191	152	0	70.6	77.4	2963	0	2270
4745.0	5.0	4.5	39	191	152	0	70.6	78.0	2996	0	2273
4750.0	5.0	4.6	37	191	154	0	70.6	78.3	2992	0	2272
4755.0	5.0	4.6	35	192	156	0	70.6	77.7	3007	0	2272
4760.0	5.0	4.6	41	192	151	0	70.6	75.2	2849	0	2270
4765.0	5.0	4.6	39	192	153	0	70.6	76.3	2895	0	2274
4770.0	5.0	4.7	39	192	153	0	70.6	76.8	2898	0	2276
	2288										
4780.0	10.0	4.7	40	192	152	0	70.6	76.8	2890	0	2280
4785.0	5.0	4.7	39	192	153	0	70.6	76.6	2899	0	2285
4790.0	5.0	4.8	36	192	157	0	70.6	76.7	2907	0	2285
4795.0	5.0	4.8	40	193	153	0	75.4	77.4	2924	0	2287
4800.0	5.0	4.8	40	193	153	0	77.0	77.3	2966	0	2292
4810.0	10.0	4.9	40	193	153	0	74.2	76.5	2981	0	2299
4820.0	10.0	4.9	38	181	154	0	77.5	77.0	2979	0	2302
4830.0	10.0	4.9	37	182	155	0	79.7	72.8	2888	0	2303
4835.0	5.0	5.0	34	193	159	0	78.2	73.7	2907	0	2298
4840.0	5.0	5.0	42	193	151	0	77.4	75.6	2906	0	2295
	2326										
4845.0	5.0	5.0	40	193	153	0	76.9	75.2	2922	0	2298
4850.0	5.0	5.1	40	193	153	0	77.0	75.5	2924	0	2301
4855.0	5.0	5.1	36	193	157	0	78.0	76.8	2960	0	2306
4860.0	5.0	5.1	32	193	161	0	78.1	76.8	2973	0	2310
4870.0	10.0	5.2	33	193	160	0	77.9	76.9	2986	0	2318
4880.0	10.0	5.2	37	193	156	0	75.9	75.9	2892	0	2324
4885.0	5.0	5.2	35	192	157	0	78.1	73.8	2868	0	2324
4945.0	60.0	5.5	32	193	161	0	.0	127.4	2070	0	2372
4950.0	5.0	5.6	33	193	160	0	.0	127.7	2058	0	2374
4955.0	5.0	5.6	30	193	163	0	.0	128.1	2061	0	2377
	2359										
4960.0	5.0	5.6	33	193	160	0	.0	128.6	2086	0	2379
4965.0	5.0	5.7	35	193	158	0	.0	127.5	2115	0	2382
4970.0	5.0	5.7	34	193	159	0	.0	127.9	2102	0	2384
4975.0	5.0	5.7	31	193	162	0	.0	128.7	2154	0	2386
4980.0	5.0	5.8	28	193	165	0	.0	129.1	2104	0	2389
4985.0	5.0	5.8	34	193	159	0	.0	128.9	2112	0	2392
4990.0	5.0	5.8	34	193	159	0	.0	129.2	2123	0	2394
4995.0	5.0	5.8	35	193	158	0	.0	129.1	2144	0	2396
5000.0	5.0	5.9	33	193	160	0	.0	129.3	2129	0	2398
5005.0	5.0	5.9	31	193	162	0	.0	129.2	2125	0	2365
	2394										
5010.0	5.0	5.9	34	193	159	0	.0	123.4	1874	0	2367
5015.0	5.0	6.0	35	202	165	0	82.0	77.0	2880	0	2370
5020.0	5.0	6.0	35	217	167	0	82.0	77.0	2880	0	2373
5025.0	5.0	6.1	36	217	168	0	82.0	77.0	2850	0	2379
5030.0	5.0	6.1	36	217	167	0	82.0	77.0	2850	0	2384
5035.0	5.0	6.2	37	217	168	0	90.0	65.0	2680	0	2393
5040.0	5.0	6.3	37	217	170	0	90.0	65.0	2680	0	2403
5045.0	5.0	6.3	37	217	170	0	90.0	90.0	2690	0	2411
5050.0	5.0	6.4	37	217	170	0	90.0	90.0	2690	0	2416
5055.0	5.0	6.4	37	217	169	0	90.0	90.0	2690	0	2418
	2440										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2440											
5060.0	5.0	6.5	37	217	172	0	90.0	90.0	2690	0	2417
5065.0	5.0	6.5	32	214	172	0	90.0	90.0	2680	0	2410
5070.0	5.0	6.6	32	217	170	0	90.0	90.0	2680	0	2404
5075.0	5.0	6.7	32	217	172	0	90.0	90.0	2680	0	2404
5080.0	5.0	6.7	32	217	173	0	90.0	90.0	2680	0	2408
5085.0	5.0	6.8	32	217	172	0	90.0	90.0	2680	0	2414
5090.0	5.0	6.8	32	217	171	0	90.0	90.0	2680	0	2420
5095.0	5.0	6.9	35	217	173	0	86.0	79.0	2681	0	2426
5100.0	5.0	6.9	35	217	171	0	86.0	79.0	2681	0	2428
5105.0	5.0	7.0	35	217	171	0	86.0	79.0	2681	0	2428
2488											
5110.0	5.0	7.0	35	217	171	0	86.0	79.0	2681	0	2430
5115.0	5.0	7.1	35	217	170	0	86.0	79.0	2681	0	2431
5120.0	5.0	7.1	35	217	171	0	86.0	79.0	2681	0	2434
5125.0	5.0	7.2	37	218	171	0	87.0	78.0	2630	0	2438
5130.0	5.0	7.2	37	218	171	0	87.0	78.0	2630	0	2439
5135.0	5.0	7.2	37	218	170	0	87.0	78.0	2630	0	2443
5140.0	5.0	7.3	37	218	169	0	87.0	78.0	2630	0	2444
5145.0	5.0	7.3	37	218	170	0	87.0	78.0	2630	0	2446
5150.0	5.0	7.4	37	218	171	0	87.0	78.0	2630	0	2447
5155.0	5.0	7.4	36	218	172	0	87.0	84.0	2640	0	2449
2535											
5160.0	5.0	7.5	36	218	172	0	87.0	84.0	2640	0	2450
5165.0	5.0	7.5	36	218	174	0	87.0	84.0	2640	0	2449
5170.0	5.0	7.6	36	218	175	0	87.0	84.0	2640	0	2452
5175.0	5.0	7.6	36	218	174	0	87.0	84.0	2640	0	2455
5180.0	5.0	7.7	36	218	175	0	87.0	84.0	2640	0	2459
5185.0	5.0	7.7	44	218	174	0	96.2	111.7	2708	0	2465
5190.0	5.0	7.8	43	218	175	0	96.0	106.8	2708	0	2468
5195.0	5.0	7.9	43	218	175	0	98.1	102.2	2664	0	2468
5200.0	5.0	8.0	45	218	173	0	100.0	101.9	2726	0	2466
5205.0	5.0	8.1	44	218	174	0	100.3	67.0	2704	0	2467
2583											
5210.0	5.0	8.2	45	218	173	0	100.6	28.7	2702	0	2469
5215.0	5.0	8.2	38	218	173	0	87.0	84.0	2640	0	2474
5220.0	5.0	8.3	38	218	173	0	87.0	84.0	2640	0	2480
5225.0	5.0	8.3	39	219	173	0	87.0	84.0	2660	0	2481
5230.0	5.0	8.4	39	220	173	0	87.0	84.0	2660	0	2482
5235.0	5.0	8.4	39	220	173	0	87.0	84.0	2680	0	2484
5240.0	5.0	8.5	39	220	173	0	87.0	84.0	2680	0	2487
5245.0	5.0	8.5	39	220	172	0	87.0	79.0	2690	0	2491
5250.0	5.0	8.5	39	220	173	0	87.0	79.0	2690	0	2496
5255.0	5.0	8.6	39	220	186	0	87.0	79.0	2690	0	2498
2631											
5260.0	5.0	8.6	39	221	170	0	87.0	79.0	2690	0	2498
5265.0	5.0	8.6	39	221	171	0	87.0	79.0	2690	0	2500
5270.0	5.0	8.7	39	221	173	0	87.0	79.0	2690	0	2501
5275.0	5.0	8.7	37	221	172	0	80.0	78.0	2430	0	2503
5280.0	5.0	8.7	37	221	173	0	80.0	78.0	2430	0	2506
5285.0	5.0	8.8	37	221	172	0	80.0	78.0	2430	0	2508
5290.0	5.0	8.8	37	221	179	0	80.0	78.0	2430	0	2510
5295.0	5.0	8.8	40	221	178	0	80.0	77.0	2420	0	2513
5310.0	15.0	8.9	40	74	60	0	80.0	76.7	2423	0	2493
5320.0	10.0	9.0	41	0	0	0	80.0	77.0	2490	0	2504
2675											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2675											
5330.0	10.0	9.1	40	0	0	0	80.0	77.0	2510	0	2519
5340.0	10.0	9.2	41	0	0	0	80.0	77.0	2510	0	2533
5350.0	10.0	9.2	41	0	0	0	80.0	77.0	2460	0	2548
5360.0	10.0	9.3	41	0	0	0	78.0	64.0	2470	0	2565
5370.0	10.0	9.4	40	0	0	0	78.0	64.0	2470	0	2572
5380.0	10.0	9.5	40	0	0	0	78.0	64.0	2410	0	2579
5390.0	10.0	9.5	40	0	0	0	78.0	64.0	2390	0	2587
5400.0	10.0	9.6	41	0	0	0	78.0	76.0	2440	0	2596
5410.0	10.0	9.7	41	0	0	0	78.0	77.0	2360	0	2604
5420.0	10.0	9.7	40	0	0	0	87.0	74.0	2380	0	2608
2685											
5430.0	10.0	9.8	41	0	0	0	87.0	74.0	2380	0	2612
5440.0	10.0	9.9	40	0	0	0	78.0	81.0	2330	0	2616
5450.0	10.0	9.9	43	0	0	0	81.0	72.0	2300	0	2619
5460.0	10.0	10.0	50	0	0	0	80.0	80.0	2350	0	2623
5470.0	10.0	10.0	40	0	0	0	81.0	76.0	2370	0	2623
5480.0	10.0	10.1	41	0	0	0	81.0	74.0	2300	0	2625
5500.0	20.0	10.2	40	0	0	0	81.0	73.0	2360	0	2630
5520.0	20.0	10.5	39	0	0	0	119.0	.0	1600	0	2581
5530.0	10.0	10.6	39	0	0	0	119.0	.0	1600	0	2591
5540.0	10.0	10.7	39	0	0	0	119.0	.0	1600	0	2601
2695											
5550.0	10.0	10.8	39	0	0	0	119.0	.0	1600	0	2612
5560.0	10.0	11.0	40	0	0	0	120.0	.0	1590	0	2623
5570.0	10.0	11.1	40	0	0	0	120.0	.0	1590	0	2628
5580.0	10.0	11.2	40	0	0	0	120.0	.0	1590	0	2632
5590.0	10.0	11.2	40	0	0	0	120.0	.0	1590	0	2637
5600.0	10.0	11.3	40	0	0	0	78.0	65.0	2370	0	2641
5610.0	10.0	11.4	38	0	0	0	78.0	65.0	2370	0	2653
5620.0	10.0	11.5	39	0	0	0	78.0	65.0	2370	0	2664
5630.0	10.0	11.6	32	0	0	0	.0	87.0	1090	0	2675
5640.0	10.0	11.7	32	0	0	0	.0	87.0	1090	0	2686
2705											
5650.0	10.0	11.8	32	0	0	0	.0	120.0	1600	0	2698
5660.0	10.0	11.9	34	0	0	0	120.0	.0	1600	0	2710
5670.0	10.0	12.0	34	0	0	0	120.0	.0	1600	0	2715
5680.0	10.0	12.1	34	0	0	0	120.0	.0	1600	0	2719
5690.0	10.0	12.2	31	0	0	0	120.0	.0	1580	0	2721
5700.0	10.0	12.3	31	0	0	0	120.0	.0	1580	0	2722
5710.0	10.0	12.4	31	0	0	0	120.0	.0	1580	0	2725
5720.0	10.0	12.5	35	0	0	0	120.0	.0	1570	0	2730
5730.0	10.0	12.6	35	0	0	0	120.0	.0	1570	0	2734
5740.0	10.0	12.7	35	0	0	0	120.0	.0	1570	0	2739
2715											
5750.0	10.0	12.8	36	0	0	0	120.0	.0	1580	0	2744
5760.0	10.0	12.9	36	0	0	0	120.0	.0	1580	0	2745
5770.0	10.0	13.0	36	0	0	0	120.0	.0	1580	0	2747
5780.0	10.0	13.0	35	0	0	0	80.0	78.0	2230	0	2748
5790.0	10.0	13.1	35	0	0	0	80.0	78.0	2230	0	2753
5800.0	10.0	13.2	35	0	0	0	80.0	78.0	2230	0	2759
5810.0	10.0	13.3	26	0	0	0	76.0	81.0	2260	0	2765
5820.0	10.0	13.4	26	0	0	0	76.0	81.0	2260	0	2780
5830.0	10.0	13.5	26	0	0	0	76.0	81.0	2260	0	2796
5840.0	10.0	13.6	26	0	0	0	76.0	81.0	2260	0	2807
2725											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2725											
5850.0	10.0	13.7	25	0	0	0	76.0	81.0	2300	0	2818
5860.0	10.0	13.7	25	0	0	0	76.0	81.0	2300	0	2828
5870.0	10.0	13.8	25	0	0	0	76.0	81.0	2300	0	2835
5880.0	10.0	13.9	25	0	0	0	76.0	81.0	2300	0	2840
5890.0	10.0	14.0	26	0	0	0	80.0	74.0	2270	0	2845
5900.0	10.0	14.1	26	0	0	0	80.0	74.0	2270	0	2850
5910.0	10.0	14.1	27	0	0	0	80.0	72.0	2200	0	2854
5920.0	10.0	14.2	27	0	0	0	80.0	72.0	2200	0	2859
5930.0	10.0	14.3	27	0	0	0	80.0	72.0	2200	0	2864
5940.0	10.0	14.4	25	0	0	0	80.0	74.0	2150	0	2869
2735											
5950.0	10.0	14.5	25	0	0	0	80.0	74.0	2150	0	2867
5960.0	10.0	14.6	25	0	0	0	80.0	74.0	2150	0	2866
5970.0	10.0	14.7	26	0	0	0	79.0	79.0	1900	0	2865
5980.0	10.0	14.8	26	0	0	0	79.0	79.0	1900	0	2864
5990.0	10.0	14.9	26	0	0	0	74.0	78.0	1960	0	2864
6000.0	10.0	15.0	26	0	0	0	74.0	78.0	1960	0	2865
6008.0	8.0	15.0	26	0	0	0	74.0	78.0	1980	0	2868
NEW BIT ID: 5											
6010.0	.0	.0	30	0	0	0	110.0	.0	1500	0	2904
6020.0	10.0	.1	30	0	0	0	110.0	.0	1500	0	2914
6030.0	10.0	.2	30	0	0	0	110.0	.0	1500	0	2925
2749											
6040.0	10.0	.3	31	0	0	0	90.0	.0	1300	0	2935
6050.0	10.0	.4	45	0	0	0	90.0	.0	1300	0	2944
6060.0	10.0	.5	28	0	0	0	70.0	80.0	2800	0	2957
6070.0	10.0	.8	30	0	0	0	70.0	80.0	2800	0	2948
6080.0	10.0	1.1	24	0	0	0	70.0	75.0	2700	0	2945
6090.0	10.0	1.2	20	0	0	0	80.0	75.0	2850	0	2950
6100.0	10.0	1.3	26	0	0	0	80.0	75.0	2850	0	2955
6110.0	10.0	1.5	25	0	0	0	70.0	80.0	2700	0	2960
6120.0	10.0	1.5	31	0	0	0	70.0	80.0	2700	0	2969
6130.0	10.0	1.6	28	0	0	0	70.0	78.0	2680	0	2965
2759											
6150.0	20.0	1.8	29	0	0	0	72.0	78.0	2750	0	2985
6170.0	20.0	2.1	30	0	0	0	75.0	75.0	2750	0	3003
6180.0	10.0	2.2	29	0	0	0	75.0	75.0	2760	0	3012
6190.0	10.0	2.3	29	0	0	0	75.0	84.0	2760	0	3020
6200.0	10.0	2.4	29	0	0	0	75.0	79.5	2713	0	3018
6210.0	10.0	2.7	30	0	0	0	70.0	70.0	2430	0	3020
6220.0	10.0	2.8	27	0	0	0	70.0	70.0	2430	0	3027
6230.0	10.0	3.0	28	0	0	0	72.0	69.0	2450	0	3030
6240.0	10.0	3.0	28	0	0	0	72.0	69.0	2455	0	3036
6250.0	10.0	3.2	28	0	0	0	72.0	69.0	2455	0	3043
2770											
6260.0	10.0	3.3	29	0	0	0	72.0	69.0	2450	0	3051
6270.0	10.0	3.4	29	0	0	0	72.0	69.0	2450	0	3059
6280.0	10.0	3.6	29	0	0	0	73.0	69.0	2500	0	3064
6290.0	10.0	3.6	30	0	0	0	73.0	69.0	2500	0	3069
6300.0	10.0	3.7	29	0	0	0	71.0	70.0	2480	0	3074
6310.0	10.0	3.8	30	0	0	0	71.0	70.0	2480	0	3078
6320.0	10.0	4.0	30	0	0	0	72.0	70.0	2460	0	3083

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2777											
6330.0	10.0	4.1	29	0	0	0	71.0	70.0	2450	0	3088
6340.0	10.0	4.3	27	0	0	0	71.0	70.0	2460	0	3093
6350.0	10.0	4.4	29	0	0	0	71.0	70.0	2460	0	3098
6360.0	10.0	4.6	30	0	0	0	.0	120.0	1640	0	3103
6370.0	10.0	4.7	31	0	0	0	.0	120.0	1780	0	3108
6380.0	10.0	5.0	31	0	0	0	.0	120.0	1780	0	3098
6390.0	10.0	5.1	31	0	0	0	.0	120.0	1720	0	3103
6400.0	10.0	5.2	22	0	0	0	120.0	.0	1690	0	3109
6410.0	10.0	5.4	31	0	0	0	120.0	.0	1690	0	3115
6420.0	10.0	5.5	26	0	0	0	80.0	80.0	2250	0	3122
2787											
6430.0	10.0	5.6	27	0	0	0	80.0	78.0	2140	0	3125
6440.0	10.0	5.8	25	0	0	0	80.0	74.0	2200	0	3127
6450.0	10.0	5.9	28	0	0	0	80.0	77.0	2200	0	3135
6460.0	10.0	6.0	29	0	0	0	80.0	74.0	2230	0	3144
6470.0	10.0	6.1	27	0	0	0	81.0	72.0	2130	0	3153
6480.0	10.0	6.3	26	0	0	0	76.0	78.0	1970	0	3162
6490.0	10.0	6.4	26	0	0	0	76.0	80.0	2080	0	3167
6500.0	10.0	6.5	30	0	0	0	78.0	72.0	1990	0	3172
6510.0	10.0	6.6	28	0	0	0	78.0	74.0	2040	0	3177
6520.0	10.0	6.7	29	0	0	0	76.0	76.0	2200	0	3182
2797											
6530.0	10.0	6.8	28	0	0	0	78.0	72.0	1940	0	3187
6540.0	10.0	6.9	29	0	0	0	76.0	75.0	2020	0	3192
6550.0	10.0	7.0	30	0	0	0	74.0	76.0	2070	0	3197
6560.0	10.0	7.2	32	0	0	0	74.0	75.0	2040	0	3202
6570.0	10.0	7.3	31	0	0	0	74.0	72.0	2550	0	3207
6580.0	10.0	7.4	36	0	0	0	74.0	80.0	2550	0	3211
6590.0	10.0	7.5	32	0	0	0	80.0	78.0	2460	0	3216
6600.0	10.0	7.6	34	0	0	0	78.0	78.0	2480	0	3221
6610.0	10.0	7.6	33	0	0	0	78.0	80.0	2530	0	3226
6620.0	10.0	7.8	36	0	0	0	78.0	78.0	2510	0	3225
2807											
6630.0	10.0	7.9	38	0	0	0	80.0	80.0	2610	0	3227
6640.0	10.0	8.1	34	0	0	0	80.0	82.0	2610	0	3226
6650.0	10.0	8.1	39	0	0	0	80.0	82.0	2700	0	3232
6660.0	10.0	8.2	38	0	0	0	80.0	82.0	2700	0	3241
6670.0	10.0	8.3	34	0	0	0	72.0	80.0	2640	0	3247
6680.0	10.0	8.5	36	0	0	0	73.0	80.0	2670	0	3253
6690.0	10.0	8.5	37	0	0	0	73.0	80.0	2680	0	3258
6700.0	10.0	8.7	34	0	0	0	76.0	78.0	2690	0	3257
6710.0	10.0	8.8	32	0	0	0	82.0	80.0	2740	0	3262
6720.0	10.0	8.9	34	0	0	0	82.0	80.0	2720	0	3267
2817											
6730.0	10.0	9.1	33	0	0	0	82.0	80.0	2730	0	3272
6740.0	10.0	9.2	31	0	0	0	80.0	78.0	2730	0	3277
6750.0	10.0	9.3	34	0	0	0	80.0	76.0	2760	0	3281
6760.0	10.0	9.4	32	0	0	0	80.0	74.0	2730	0	3286
6770.0	10.0	9.5	32	0	0	0	81.0	74.0	2660	0	3291
6780.0	10.0	9.7	31	0	0	0	78.0	74.0	2610	0	3296
6790.0	10.0	9.8	29	0	0	0	80.0	74.0	2560	0	3301
6800.0	10.0	10.0	28	0	0	0	82.0	76.0	2620	0	3306
6810.0	10.0	10.1	32	0	0	0	82.0	76.0	2590	0	3311
6820.0	10.0	10.2	29	0	0	0	82.0	74.0	2610	0	3316
2827											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2827											
6830.0	10.0	10.3	30	0	0	0	84.0	74.0	2650	0	3320
6840.0	10.0	10.5	29	0	0	0	84.0	76.0	2700	0	3325
6850.0	10.0	10.7	29	0	0	0	84.0	76.0	2700	0	3330
6860.0	10.0	10.8	29	0	0	0	80.0	76.0	2730	0	3335
6870.0	10.0	11.0	34	0	0	0	80.0	74.0	2610	0	3340
6880.0	10.0	11.1	29	0	0	0	78.0	78.0	2660	0	3345
6890.0	10.0	11.3	27	0	0	0	78.0	78.0	2660	0	3350
6900.0	10.0	11.5	31	0	0	0	78.0	78.0	2600	0	3354
6910.0	10.0	11.7	30	0	0	0	78.0	74.0	2730	0	3359
6920.0	10.0	12.0	32	0	0	0	78.0	74.0	2620	0	3364
2837											
6930.0	10.0	12.2	34	0	0	0	98.0	68.0	2710	0	3369
6940.0	10.0	12.5	31	0	0	0	82.0	78.0	2740	0	3374
6950.0	10.0	12.7	33	0	0	0	82.0	87.0	2730	0	3379
6960.0	10.0	12.9	34	0	0	0	80.0	80.0	2620	0	3384
6970.0	10.0	13.1	36	0	0	0	80.0	80.0	2610	0	3388
6980.0	10.0	13.4	37	0	0	0	85.0	78.0	2750	0	3393
6990.0	10.0	13.7	34	0	0	0	86.0	76.0	2660	0	3398
7000.0	10.0	14.1	38	0	0	0	70.0	110.0	2710	0	3403
7010.0	10.0	14.3	37	0	0	0	118.0	68.0	2720	0	3408
7020.0	10.0	14.7	36	0	0	0	100.0	76.0	2740	0	3413
2847											
7030.0	10.0	14.9	35	0	0	0	100.0	78.0	2730	0	3418
7040.0	10.0	15.2	37	0	0	0	97.0	81.0	2780	0	3422
7050.0	10.0	15.4	41	0	0	0	90.0	82.0	2760	0	3427
7060.0	10.0	15.7	38	0	0	0	94.0	76.0	2700	0	3432
7070.0	10.0	15.9	37	0	0	0	90.0	76.0	2730	0	3437
7080.0	10.0	16.3	40	0	0	0	87.0	77.0	2730	0	3442
7090.0	10.0	16.5	34	0	0	0	81.0	92.0	2690	0	3447
7100.0	10.0	16.8	40	0	0	0	92.0	80.0	2780	0	3452
7110.0	10.0	16.9	41	0	0	0	70.0	76.0	2660	0	3457
7120.0	10.0	17.1	34	0	0	0	65.0	78.0	2660	0	3461
2857											
7130.0	10.0	17.2	38	0	0	0	70.0	62.0	2640	0	3466
7140.0	10.0	17.4	35	0	0	0	70.0	70.0	2550	0	3471
7150.0	10.0	17.6	36	0	0	0	70.0	72.0	2640	0	3476
7160.0	10.0	17.9	35	0	0	0	70.0	72.0	2640	0	3481
7170.0	10.0	18.2	36	0	0	0	70.0	71.0	2640	0	3457
7180.0	10.0	18.4	36	0	0	0	70.0	71.0	2640	0	3424
7190.0	10.0	18.6	37	0	0	0	70.0	71.0	2640	0	3403
7200.0	10.0	18.8	37	0	0	0	70.0	72.0	2680	0	3421
7210.0	10.0	19.0	37	0	0	0	70.0	72.0	2680	0	3453
7220.0	10.0	19.2	35	0	0	0	70.0	70.0	2540	0	3494
2867											
7230.0	10.0	19.4	36	0	0	0	70.0	70.0	2600	0	3515
7240.0	10.0	19.6	37	0	0	0	70.0	74.0	2760	0	3517
7250.0	10.0	19.9	36	0	0	0	71.0	72.0	2740	0	3515
7260.0	10.0	20.1	35	0	0	0	70.0	71.0	2650	0	3520
7270.0	10.0	20.3	38	0	0	0	70.0	70.0	2600	0	3525
7280.0	10.0	20.5	38	0	0	0	76.0	71.0	2770	0	3530
7290.0	10.0	20.6	37	0	0	0	72.0	72.0	2700	0	3535
7300.0	10.0	20.8	37	0	0	0	72.0	72.0	2780	0	3526
7310.0	10.0	21.0	38	0	0	0	72.0	72.0	2760	0	3497
7320.0	10.0	21.1	37	0	0	0	72.0	72.0	2760	0	3483
2877											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2877											
7330.0	10.0	21.2	37	0	0	0	72.0	72.0	2760	0	3488
7340.0	10.0	21.4	37	0	0	0	72.0	72.0	2760	0	3511
7350.0	10.0	21.6	36	0	0	0	73.0	74.0	2830	0	3531
7360.0	10.0	21.7	35	0	0	0	73.0	74.0	2830	0	3536
7370.0	10.0	21.9	35	0	0	0	73.0	74.0	2830	0	3541
7380.0	10.0	22.0	35	0	0	0	73.0	75.0	2880	0	3546
7400.0	20.0	22.3	39	0	0	0	76.0	72.0	2897	0	3555
7410.0	10.0	22.5	36	0	0	0	76.0	73.0	2890	0	3560
7420.0	10.0	22.7	38	0	0	0	76.0	72.0	2870	0	3565
7430.0	10.0	22.9	37	0	0	0	76.0	72.0	2880	0	3570
2887											
7440.0	10.0	23.0	37	0	0	0	76.0	72.0	2900	0	3575
7450.0	10.0	23.2	36	0	0	0	75.0	74.0	2800	0	3579
7460.0	10.0	23.3	35	0	0	0	75.0	74.0	2800	0	3584
7470.0	10.0	23.6	35	0	0	0	77.0	76.0	2900	0	3589
7480.0	10.0	23.9	34	0	0	0	76.0	75.0	2900	0	3594
7490.0	10.0	24.2	34	0	0	0	76.0	75.0	2900	0	3599
7500.0	10.0	24.4	36	0	0	0	74.0	76.0	2810	0	3616
7510.0	10.0	24.5	33	0	0	0	74.0	76.0	2840	0	3628
7513.0	3.0	24.5	35	0	0	0	74.0	76.0	2850	0	3629
NEW BIT ID: -1 CORE # 1											
7515.0	.0	.1	11	250	239	0	47.9	.0	986	0	3633
2904											
7520.0	5.0	.3	13	253	240	0	60.4	.0	1117	0	3637
7525.0	5.0	.6	13	253	240	0	52.0	.0	965	0	3648
7530.0	5.0	.8	14	255	241	0	40.5	.0	736	0	3649
7533.0	3.0	1.2	16	255	239	0	47.8	.0	910	0	3657
NEW BIT ID: -2 CORE # 2											
7535.0	.0	.1	15	1024	1024	0	.0	41.4	1059	0	3641
7540.0	5.0	.6	13	1024	1024	0	.0	55.1	1215	0	3642
7545.0	5.0	1.3	18	1024	1024	0	.0	60.4	1002	0	3644
7550.0	5.0	1.9	19	1024	1024	0	.0	61.0	997	0	3647
7555.0	5.0	2.4	20	1024	1024	0	.0	57.2	1050	5	3649
7560.0	5.0	3.0	21	819	1024	0	.0	56.8	1050	12	3653
2953											
7565.0	5.0	3.7	21	860	1024	0	.0	57.1	1050	0	3658
7570.0	5.0	4.6	20	1024	1024	0	.0	57.5	1021	15	3662
7575.0	5.0	5.6	21	1024	1024	0	.0	58.3	1080	10	3663
7580.0	5.0	7.0	21	1024	1024	0	.0	58.4	1080	5	3666
7581.0	1.0	7.9	21	1024	1024	0	.0	58.5	1080	73	3667
NEW BIT ID: -3 CORE # 3											
7585.0	.0	.6	21	1024	1024	0	.0	57.4	1180	58	3664
7590.0	5.0	1.9	21	1024	1024	0	.0	57.3	1042	61	3667
7595.0	5.0	3.0	21	1024	1024	0	.0	57.5	1056	49	3675
7600.0	5.0	3.3	21	1024	1024	0	.0	57.0	1091	49	3683
7605.0	5.0	3.8	21	1024	1024	0	.0	48.0	953	46	3677
3002											
7610.0	5.0	4.5	19	1024	1024	0	.0	54.9	1106	37	3683

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
3007											
7611.0	1.0	5.1	16	1024	1024	0	.0	55.1	1094	37	3678
NEW BIT ID: -4 CORE # 4											
7615.0	.0	.5	16	1024	1024	0	.0	56.1	1070	64	3680
7620.0	5.0	1.5	21	1024	1024	0	.0	56.7	1119	68	3682
7625.0	5.0	2.5	21	1024	1024	0	.0	58.0	1135	66	3685
7630.0	5.0	3.9	20	1024	1024	0	.0	60.1	1179	59	3686
7635.0	5.0	6.1	23	1024	1024	0	.0	60.6	1257	73	3689
7640.0	5.0	7.3	25	1024	1024	0	.0	60.2	1244	61	3693
7645.0	5.0	8.1	25	1024	1024	0	.0	60.2	1274	59	3695
7650.0	5.0	9.1	24	1024	1024	0	.0	59.9	1343	66	3696
7654.0	4.0	9.7	17	1024	1024	0	.0	61.2	1255	73	3705
NEW BIT ID: -5 CORE # 5											
3059											
7655.0	.0	.1	16	1024	1024	0	44.0	.0	506	61	3699
7660.0	5.0	.2	16	1024	1024	0	47.4	.0	751	59	3723
7665.0	5.0	.3	16	1024	1024	0	40.9	.0	706	61	3740
7670.0	5.0	.5	16	1024	1024	0	40.6	.0	704	49	3726
7675.0	5.0	.8	16	1024	1024	0	40.1	.0	714	49	3722
7680.0	5.0	1.2	16	1024	1024	0	44.2	.0	810	49	3721
7685.0	5.0	2.2	17	1024	1024	0	57.8	.0	1133	49	3715
7690.0	5.0	3.1	21	1024	1024	0	57.8	.0	1126	44	3716
7695.0	5.0	4.4	21	1024	1024	0	58.1	.0	1113	56	3718
7699.0	4.0	5.6	21	1024	1024	0	58.4	.0	1110	61	3721
NEW BIT ID: -6 CORE # 6											
3108											
7700.0	.0	.6	13	1024	1024	0	38.8	.0	1029	61	3721
7705.0	5.0	3.1	17	1024	1024	0	59.8	.0	1083	0	3726
7710.0	5.0	4.0	20	1024	1024	0	59.4	.0	1158	0	3738
7715.0	5.0	4.2	25	1024	1024	0	59.4	.0	1121	0	3712
7720.0	5.0	5.1	28	1024	1024	0	59.3	.0	1114	0	3671
7725.0	5.0	6.9	31	1024	1024	0	58.6	.0	1153	0	3681
7730.0	5.0	8.0	30	1024	1024	0	58.7	.0	1152	0	3717
7735.0	5.0	9.7	33	1024	1024	0	58.0	.0	1088	0	3698
7740.0	5.0	10.9	33	1024	1024	0	57.8	.0	1264	0	3683
7745.0	5.0	12.5	36	1024	1024	0	57.0	.0	1193	0	3786
3142											
7750.0	5.0	14.3	28	1024	1024	0	58.4	.0	1278	0	3767
7755.0	5.0	15.4	26	1024	1024	0	58.2	.0	1287	0	3826
7759.0	4.0	16.7	33	1024	1024	0	58.1	.0	1287	0	3821
NEW BIT ID: 6											
7760.0	.0	.0	18	1024	1024	0	50.2	.0	1181	0	3673
7765.0	5.0	.1	18	1024	1024	0	49.0	.0	1172	0	3678
7770.0	5.0	.2	20	1024	1024	0	48.9	.0	1174	0	3683
7780.0	10.0	.2	26	1024	1024	0	48.9	.0	1170	0	3691
7790.0	10.0	.3	24	1024	1024	0	48.9	.0	1159	0	3702

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
3175											
7795.0	5.0	.3	20	1024	1024	0	49.1	.0	1159	0	3708
7805.0	10.0	.4	25	1024	1024	0	61.2	.0	1204	0	3699
7810.0	5.0	.4	19	1024	1024	0	61.5	.0	1208	0	3698
7815.0	5.0	.5	22	0	0	0	61.0	.0	1200	0	3729
7820.0	5.0	.6	21	0	0	0	61.0	.0	1200	0	3734
7825.0	5.0	.7	24	0	0	0	61.0	.0	1200	0	3740
7830.0	5.0	.8	26	0	0	0	62.2	.0	1220	0	3746
7835.0	5.0	.9	26	0	0	0	62.2	.0	1220	0	3751
7840.0	5.0	1.0	27	0	0	0	62.2	.0	1220	0	3756
7845.0	5.0	1.0	27	0	0	0	62.2	.0	1220	0	3761
3189											
7850.0	5.0	1.1	23	0	0	0	61.0	.0	1209	0	3766
7855.0	5.0	1.1	23	0	0	0	61.0	.0	1209	0	3771
7860.0	5.0	1.2	26	0	0	0	63.0	.0	1249	0	3775
7865.0	5.0	1.2	28	0	0	0	63.0	.0	1249	0	3781
7870.0	5.0	1.3	25	0	0	0	63.0	.0	1249	0	3786
7875.0	5.0	1.4	25	0	0	0	63.0	.0	1249	0	3791
7880.0	5.0	1.4	24	0	0	0	68.0	.0	1371	0	3796
7885.0	5.0	1.5	24	0	0	0	68.0	.0	1371	0	3800
7890.0	5.0	1.5	24	0	0	0	68.0	.0	1371	0	3805
7895.0	5.0	1.6	24	0	0	0	68.0	.0	1371	0	3811
3199											
7900.0	5.0	1.7	26	0	0	0	69.0	.0	1384	0	3816
7905.0	5.0	1.7	26	0	0	0	69.0	.0	1384	0	3821
7910.0	5.0	1.8	26	0	0	0	69.0	.0	1384	0	3826
7915.0	5.0	1.9	26	0	0	0	78.0	.0	1550	0	3831
7920.0	5.0	2.0	25	0	0	0	98.0	.0	1822	0	3833

ES Drill Log

PE603381

This is an enclosure indicator page.
The enclosure PE603381 is enclosed within the container PE906038 at this location in this document.

The enclosure PE603381 has the following characteristics:

ITEM_BARCODE	= PE603381
CONTAINER_BARCODE	= PE906038
NAME	= ES Drill Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= ES Drill Log containing rate of penetration shale density and corrected 'd' component(from attachmen to WCR--Well Report) for Kingfish-7
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W690
WELL_NAME	= KINGFISH-7
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

Grapholog

PE603382

This is an enclosure indicator page.
The enclosure PE603382 is enclosed within the container PE906038 at this location in this document.

The enclosure PE603382 has the following characteristics:

ITEM_BARCODE	= PE603382
CONTAINER_BARCODE	= PE906038
NAME	= Grapholog (Mud Log)
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Grapholog of Kingfish-7 containing drilling rate hydrocarbon analysis and geology(from attachment to WCR--Well Report)
REMARKS	=
DATE_CREATED	= 10/06/1977
DATE_RECEIVED	=
W_NO	= W690
WELL_NAME	= KINGFISH-7
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

ES Temperature Log

PE603383

This is an enclosure indicator page.
The enclosure PE603383 is enclosed within the container PE906038 at this location in this document.

The enclosure PE603383 has the following characteristics:

ITEM_BARCODE	= PE603383
CONTAINER_BARCODE	= PE906038
NAME	= Temperature Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Temperature Log (from attachment to WCR--Well Report) for Kingfish-7
REMARKS	=
DATE_CREATED	= 10/06/1977
DATE_RECEIVED	=
W_NO	= W690
WELL_NAME	= KINGFISH-7
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

ES Pressure Log

PE603384

This is an enclosure indicator page.
The enclosure PE603384 is enclosed within the container PE906038 at this location in this document.

The enclosure PE603384 has the following characteristics:

ITEM_BARCODE	= PE603384
CONTAINER_BARCODE	= PE906038
NAME	= ESP Pressure Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= ESP Pressure Log (from attachment to WCR--Well Report) for Kingfish-7
REMARKS	=
DATE_CREATED	= 10/06/1977
DATE_RECEIVED	=
W_NO	= W690
WELL_NAME	= KINGFISH-7
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

ES Geoplot 1 & 2

PE603385

This is an enclosure indicator page.
The enclosure PE603385 is enclosed within the container PE906038 at this location in this document.

The enclosure PE603385 has the following characteristics:

ITEM_BARCODE	= PE603385
CONTAINER_BARCODE	= PE906038
NAME	= Extended Service Logging A (Geoplot)
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Extended Service Logging, Geoplot, containing weight on bit rotation pump pressure and mud weight (from attachment to WCR--Well Report) for Kingfish-7
REMARKS	=
DATE_CREATED	= 10/06/1977
DATE_RECEIVED	=
W_NO	= W690
WELL_NAME	= KINGFISH-7
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603386

This is an enclosure indicator page.
The enclosure PE603386 is enclosed within the container PE906038 at this location in this document.

The enclosure PE603386 has the following characteristics:

ITEM_BARCODE	= PE603386
CONTAINER_BARCODE	= PE906038
NAME	= Extended Service Logging B(Geoplot)
BASIN	= GIPPSLAND
PERMIT	= VIC/L8
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Extended Service Logging containing rate of penetration 'd' exponent porosity and pore pressure(from attachment to WCR--Well Report) for Kingfish-7
REMARKS	=
DATE_CREATED	= 10/06/1977
DATE_RECEIVED	=
W_NO	= W690
WELL_NAME	= KINGFISH-7
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)