[redacted]

ATTACHMENT TO WCR

BASIC

WEST HALIBUT-1 (W706)

PETROLEUM RESERVOIR ENGINEERING · RESEARCH · FIELD SERVICES ·

CORE LAB

Rec'd 9-4-79

EXTENDED SERVICE

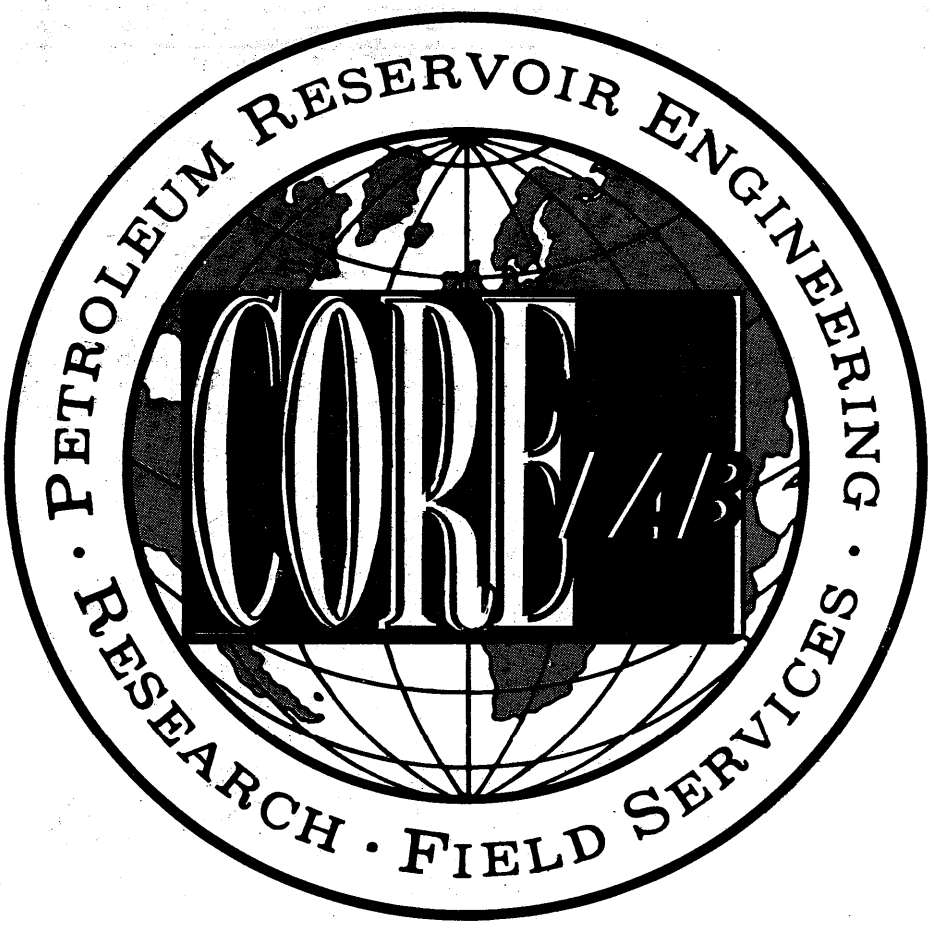
ESSO AUSTRALIA LTD.

BASIC

WEST HALIBUT #1

EXTENDED SERVICE WELL REPORT

OIL and GAS DIVISION



CORE LABORATORIES INTERNATIONAL LTD.

24A, LIM TECK BOO ROAD. SINGAPORE 19.

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

CORE LABORATORIES INTERNATIONAL LTD.

Petroleum Reservoir Engineering

SINGAPORE

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

22nd September, 1978

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 WEST HALIBUT # 1. If you have any queries or suggestions on the presentation of this well report and data found within, do not hesitate to contact us.

CORE LABORATORIES INTERNATIONAL LTD., appreciates being of assistance to ESSO AUSTRALIA during the entire drilling operations of WEST HALIBUT # 1 and look forward to our continuing association on future exploratory work in Australia.

Yours sincerely,

S.A

A. Pietsch
Unit Supervisor

The well WEST HALIBUT No. 1 was drilled by ESSO AUSTRALIA in the Gippsland Basin, Bass Strait. WEST HALIBUT No. 1, was drilled by ODECO's semi-submersible drilling rig, "OCEAN ENDEAVOUR". The well was spudded in a water depth of 68.3 metres on the 3rd of September 1978 and a total depth of 2577 metres was reached on the 19th of September 1978.

Well location co-ordinates were as follows:-

LATITUDE: 38° 24' 13.28"

LONGITUDE: 148° 16' 58.81"

A Core Laboratories Extended Service fully integrated computer unit was located on board the "Ocean Endeavour" to monitor all drilling parameteres below the 508mm casing shoe. All computer data recorded and presented in this report is stored on magnetic tape and can be retreived at any time at the request of the client.

The Core Laboratories wellsite crew included the following:-

Unit Supervisor	-	Andy Pietsch
E.S. Engineer	-	Ron Wigham
E.S. Engineer	-	Greg Holmes
E.S. Engineer	-	Peter Lane
Mud Loggers	-	Gerry Ots
		Joel Rappoport
		Roy Smith
		Manuel Zapata

WEST HALIBUT NO. 1 WELL SUMMARY

West Halibut No. 1 was spudded on the 3rd of September 1978, in a water depth of 68.3 metres. A 660.4 mm hole was drilled from the sea floor to a depth of 240 metres using sea water, with returns to the sea floor. A deviation survey run at this point showed three quarters of a degree of deviation from vertical.

508 mm casing was set at 227.8 metres, followed by B.O.P. emplacement and 93.3 metres of marine riser.

A 444.5 mm hole was drilled from 240 metres to 876 metres using sea water - gel, with an S.G. of 1.08 and a funnel viscosity of 37. The lithology over the interval 240 metres to 560 metres was predominantly limestone, finely granular, friable and highly fossiliferous interbedded with siltstone, very fine grained, slightly calcareous, soft, becoming firm towards the base of the section. The drilling rates over the interval ranged from 30 metres per hour to 300 metres per hour, with background gas of between zero and ten hotwire units. From 560 metres to 876 metres the lithology was limestone, very fine grained, firm to hard, with loose fossil fragments. Drilling rates ranged from 30 metres per hour to 100 metres per hour and showed a gradual decrease from 700 metres onwards. This, coupled with an increasing 'd' exponent trend line and the firmer nature of the cuttings indicated a definite compaction trend from 700 metres onwards. The background gas ranged between three and twenty hotwire units. The absence of connection gas suggests that the hole was drilled in an overbalanced condition. A deviation survey run at 876 metres indicated that this section of the hole was one half of a degree off vertical.

The following Schlumberger electric logs were run at this point:-

ISF SONIC LOG	-	876 metres to 229 metres
FDC - GR	-	876 metres to 229 metres with GR to sea floor.
CST	-	30 shots (27 recovered)

339.75 mm casing was set at 862 metres and drilling continued with a 311.15 mm bit. A pressure integrity test was carried out at 881.8 metres and produced a 1.62 S.G. mud weight equivalent with no formation breakdown.

The lithology from 862 metres to 1730 metres was predominantly soft to firm, occasionally fossiliferous limestone with some sections of interbedded soft to firm marl and firm to hard siltstone. The rate of penetration from 862 metres to 1140 metres ranged from 18 metres/hour to 74 metres/hour with a background gas of 4 to 14 hotwire units. From 1140 to 1730 metres the rate of penetration was more constant. It ranged from 14 to 27 metres/hour with background gas of 3 to 15 hotwire units and no connection gas. All drilling variables indicate that this section of hole was drilled in an overbalanced condition.

From 1730 metres to 2200 metres the dominant lithology was soft to firm marl interbedded with firm calcareous mudstone from 2130 metres to 2200 metres. The penetration rate for this section was from 19 to 34 metres/hour. Background gas was from 4 to 26 hotwire units. A flow check was carried out at 2100 metres but no flow was observed. The mud system for this interval had an S.G. of 1.12 and a funnel viscosity of 38 to 40.

The interval from 2200 metres to 2387 metres consisted entirely of firm calcareous mudstone. Penetration rates

were from 18 to 28 metres/hour up until 2304 metres where a trip was made for a new bit. The flowline became blocked after the trip and 250 barrels of mud were lost from the active system during the clean-up operation. The drilling was controlled from 2304 metres onwards with the weight on bit kept between 35000 and 40000 pounds and the rotary speed to 150 to 155 R.P.M. The penetration rate ranged from 13 to 22 metres/hour and the background gas was from 1 to 3 hotwire units. A drilling break from 2385 - 87m coincided with the programmed coring depth and drilling was halted. Bottoms were circulated up and 45 units of gas were recorded on the hotwire from a sample of predominantly calcareous mudstone with fine to very coarse grained sandstone with fluorescence. The chromatographic analysis of the gas revealed that it was comprised of methane, ethane, propane, butane and pentane. A core barrel was run at 2387 metres and five cores were cut:-

Core #1 - 2387.0 metres to 2400.2 metres
Core #2 - 2400.2 metres to 2413.0 metres
Core #3 - 2413.0 metres to 2424.8 metres
Core #4 - 2424.8 metres to 2436.6 metres
Core #5 - 2436.6 metres to 2438.8 metres

Full core descriptions can be obtained from the graphalog enclosed at the end of this report. Core analysis was carried out on samples from cores 1,2 and 4. The average results for each core are:-

	% Por	Perm	Oil Sat	Water Sat
Core #1	22.3	3514	5.56	62.09
Core #2	23.1	1887	6.76	57.77
*Core #4	21.0	12473	8.33	65.85

*Core analysis samples extremely friable and permeability results should be considered suspect.

N.B. - Permeabilities in millidarcies

Hydrocarbons were encountered over most of the cored interval. Penetration rates ranged from 1 to 15 metres/hour with background gas of a Trace to 4 hot-wire units, where circulated out.

Core #5 encountered shale at the bottom of the section and it was therefore decided to ream the core rathole and drill ahead with a 311.15 mm bit. Trip gas of 47 hotwire units was circulated out during the reaming operation, from the previously cored interval. Drilling continued until 2444 metres where adrilling break of 30 metres/hour was circulated up and found to be sandstone. Four hotwire units of gas were recorded. The core barrel was run at 2444 metres and Core #6 was cut over the following interval:-

Core #6 - 2444.0 metres to 2457.0 metres

Core analysis was carried out on five samples from the core and the average of the results are presented below:-

	% Por	Perm	Oil Sat	Water Sat
Core #6	20.4	84	1.72	77.01

N.B. - Permeabilities in millidarcies

Penetration rates during the coring ranged from 5 to 10 metres/hour with no background gas where circulated out. The lack of background gas coupled with the high water saturation from the core analysis indicates that the formation at this depth was water bearing. The

mud system for the interval 2387 metres to 2457 metres had an S.F. of 1.13 and a funnel viscosity of 41 to 52. The core rathole was reamed out and drilling continued with a 311.15 mm bit to a total depth of 2577 metres. The lithology over this interval consisted of inter-bedded loose quartz sands, firm marl, friable, marly limestone, and occasional coal seams. Penetration rates varied from 8 to 60 metres/hour with background gas of zero to trace hotwire units, with a maximum of 1 hotwire unit from a 5 metres coal seam at 2555 metres. The mud system over this interval had an S.G. of 1.13 and a funnel viscosity of 53. The hole was conditioned prior to running the following Schlumberger wireline tools:-

ISF-MSFL-SONIC LOG - 2569 metres to 861.5 metres
FDC-CNL-GR LOG - 2569 metres to 861.5 metres
CST - 107 shots (88 recovered)
VELOCITY SURVEY
FIT TOOL

FIT RESULTS ARE AS FOLLOWS:

FIT #1 - at 2433.0 metres, HP pressure gauge failure. Recovered oil of 44° API gravity at 24°C.

FIT #2 - at 2430.5 metres, attained a formation pressure of 3300.9 psi, equivalent to 7.96 ppg. Recovered oil of 47° API at 26°C.

FIT #3 - at 2423.5 metres, no seal with formation. Recovered oil of 46° API gravity at 28°C.

FIT #4 - at 2439.0 metres, attained a formation pressure of 3310.9 psi, equivalent to 7.96 ppg. Recovered formation fluid.

FIT #5 - at 2392 metres, attained a formation pressure of 3362.5 psi, equivalent to 8.24 ppg. Recovered oil of 43° API gravity at 22.5°C.

FIT #6 - at 2405.0 metres, attained a formation pressure of 3273.1 psi, equivalent to 7.98 ppg. Recovered oil of 43° API gravity at 22°C.

Pressure readings from the FIT tool were considered to be too low and it was decided to run the RFT tool to check the results. A wiper trip was carried out prior to running the RFT tool and 8 hotwire units of trip gas were recorded. The results of RFT #1 are as follows:-

RFT #1 - at 2461.5 metres, pretest pressure of 3427.78 psi, equivalent to 8.16 ppg.
- at 2453.0 metres, pretest pressure of 3414.15 psi, equivalent to 8.16 ppg.
- at 2439.0 metres, pretest pressure of 3421.52 psi, equivalent to 8.22 ppg.
- at 2433.0 metres, seal failure.
- at 2432.0 metres, pretest pressure of 3412.83 psi, equivalent to 8.23 ppg.
- at 2430.5 metres, pretest pressure of 3407.93 psi, equivalent to 8.22 ppg.
- at 2428.0 metres, pretest pressure of 3404.04 psi, equivalent to 8.22 ppg.
- at 2423.5 metres, pretest pressure of 3397.77 psi, equivalent to 8.22 ppg.
- at 2411.0 metres, pretest pressure of 3383.71 psi, equivalent to 8.23 ppg.
- at 2405.0 metres, pretest pressure of 3376.79 psi, equivalent to 8.23 ppg.
- at 2392.0 metres, pretest pressure of 3362.72 psi, equivalent to 8.24 ppg.
- at 2385 metres, pretest pressure of 3355.43 psi, equivalent to 8.25 ppg. Recovered formation water.
- at 2439.0 metres, pretest pressure of 3412.10 psi, equivalent to 8.20 ppg.

These formation pressures are much higher than those recorded using the FIT tool and should be regarded as being indicative of actual formation pressures.

A wiper trip was carried out prior to running RFT #2 and produced 18 units of trip gas on the hotwire. The results of RFT #2 are as follows:-

RFT #2 - at 2456.0 metres, pretest pressure of 3410.74 psi, equivalent to 0.98 S.G. Recovered formation water.
- at 2561.0 metres, pretest pressure of 3579.78 psi, equivalent to 0.98 S.G.
- at 2525.0 metres, pretest pressure of 3517.60 psi, equivalent to 0.98 S.G.
- at 2485.0 metres, pretest pressure of 3459.11 psi, equivalent to 0.98 S.G.
- at 2469.0 metres, pretest pressure of 3430.24 psi, equivalent to 0.98 S.G.
- at 2448.5 metres, pretest pressure of 3402.71 psi, equivalent to 0.98 S.G.
- at 2439.0 metres, pretest pressure of 3410.90 psi, equivalent to 0.98 S.G.
- at 2435.0 metres, dry test.
- at 2434.5 metres, dry test.
- at 2432.0 metres, pretest pressure of 3404.94 psi, equivalent to 0.98 S.G.
- at 2415.0 metres, pretest pressure of 3386.68 psi, equivalent to 0.99 S.G.
- at 2390.0 metres, pretest pressure of 3360.37 psi, equivalent to 0.99 S.G.

All the drilling parameters monitored and wireline test results indicated that West Halibut #1 was normally pressured throughout.

CORE LABORATORIES EXTENDED SERVICE EQUIPMENT

A. MUDLOGGING

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

B. CORE ANALYSING

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

C. COMPUTER SYSTEM AND PERIPHERALS

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

D. EXTERNAL SENSING APPARATUS INCLUDED

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

RIG DESCRIPTION

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

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

RIG EQUIPMENT

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

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

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

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

1 Continental-Emsco 650 ton Swivel, L650.

1 Bryson-Jackson Hydrahook, rated 500 ton.

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

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

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

4 Riser Tensioners, 80,000 lbs. units.

1 Motion Compensator, Rucker 400,000 lbs.

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

1 Sub-Sea Television System.

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

3 Brandt double screen shale shakers.

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

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

30 8" O.D. Drill Collars.

24 6.5" O.D. Spiral Drill Collars.

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

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

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

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

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

STORAGE CAPACITY

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

DESCRIPTION OF LOGS

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

The E.S. Logs include the following:

E.S. Drill Log - Scale 1:5000

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

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

E.S. Temperature Log

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

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

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

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

E.S. Pressure Log

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

E.S. Geoplot 1

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

E.S. Geoplot 2

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

WELL LOG PARAMETERS

1. Grapholog

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

2. E.S. Drill Log

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

3. E.S. Temperature Log

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

4. E.S. Pressure Log

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

5. E.S. Geoplot 1

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

6. E.S. Geoplot 2

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

EXTENDED SERVICE PACKAGE

1. ONLINE REALTIME DRILLING PROGRAM

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

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

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

2. ONLINE PLOTTING CAPABILITY

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

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

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

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

3. ONLINE REALTIME COMPUTER PRINTOUTS (5 OPTIONS)

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

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

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

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

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

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

These include:
The following log analysis programs.

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

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

FCALC - Computation of formation factor from porosity.

RATIO - Water saturation as calculated by the ratio method.

SWCALC - Water saturation as calculated by the Archie formula.

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

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

HYDRAULICS SUPPORT PROGRAMS

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

SUPPLEMENTAL PROGRAMS

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

MUD DATA

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

MUD INFORMATION DATA SHEET

CORE LAB **ESP**

UNIT NO. 176 SHEET NO. 1

COMPANY		WELL			LOCATION		
ESSO AUSTRALIA LTD.		WEST HALIBUT # 1			GIPPSLAND BASIN		
DEPTH	240	860	876	881	1220	1435	1598
DATE	3/9/78	5/9/78	6/9/78	8/9/78	8/9/78	9/9/78	10/9/78
TIME	SEA	04.00	18.00	01.00	17.30	13.00	01.00
WEIGHT S.G.		1.08	1.1	1.12	1.10	1.10	1.11
FUNNEL VISCOSITY	WATER	37	36	43	33	31	28
PLASTIC VISCOSITY		6	7	8	4	4	4
YIELD POINT	PLUS	23	14	34 cmt. con	9	6	5
GEL INITIAL/10 MIN		5/12	5/8	7/8	2/5	2/4	2/4
pH	DRILLED	10	9.5	10	10	10	10
FILTRATE		27	28	N.C	30 +	30 +	30 +
CAKE	SOLIDS	4/32	4/32	4/32	4/32	4/32	4/32
SALINITY Cl^-		16000	14000	14000	13500	14500	14500
SOLIDS/SAND/OIL		4/tr/-	4/tr/-	N.C	5/tr/-	6/tr/-	6/tr/-

REMARKS:

Drilling with seawater plus drilled solids to a depth of 770metres.

DEPTH	1730	1965	2160	2306	2363	2400	2437
DATE	10/9/78	11/9/78	11/9/78	12/9/78	12/9/78	13/9/78	16/9/78
TIME	1515	03.00	14.45	01.00	14.00	22.00	13.00
WEIGHT S.G.	1.08	1.09	1.09	1.12	1.12	1.12	1.13
FUNNEL VISCOSITY	40	41	38	42	41	38	41
PLASTIC VISCOSITY	6	7	7	9	8	13	11
YIELD POINT	12	10	12	11	11	8	12
GEL INITIAL/10 MIN	3/10	3/14	3/10	3/10	3/12	3/12	4/14
pH	10	10.6	10.4	10.4	10.4	10.4	10.7
FILTRATE	10	8.1	6.5	6.8	6.2	7.9	6.3
CAKE	2/32	2/32	2/32	2/32	2/32	2/32	1/32
SALINITY Cl^-	9000	5800	4400	4000	3600	3000	2650
SOLIDS/SAND/OIL	6/tr/-	7/tr/-	7/tr/-	8/tr/-	8/tr/-	8/tr/-	8/tr/-

REMARKS:

CORE LAB

MUD INFORMATION DATA SHEET

ESP

UNIT NO. 176 SHEET NO. 2

COMPANY	WELL	LOCATION
ESSO AUSTRALIA LTD.	WEST HALIBUT # 1	GIPPSLAND BASIN

DEPTH	2440	2565					
DATE	18/9/78	18/9/78					
TIME	14.10	21.45					
WEIGHT S.G.	1.13	1.13					
FUNNEL VISCOSITY	52	53					
PLASTIC VISCOSITY	12	13					
YIELD POINT	15	15					
GEL INITIAL/10 MIN	4/12	4/13					
pH	10.5	10.6					
FILTRATE	5.9	5.8					
CAKE Cl^-	1/32	1/32					
SALINITY	2300	2400					
SOLIDS/SAND/OIL	7.5/tr/-	8.5/tr/-					

REMARKS:

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

REMARKS:

COST PER METRE CHARTS

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

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

COST PER METRE GRAPH

CORE LAB **ESP**

UNIT NO. 176 BIT NO. 2

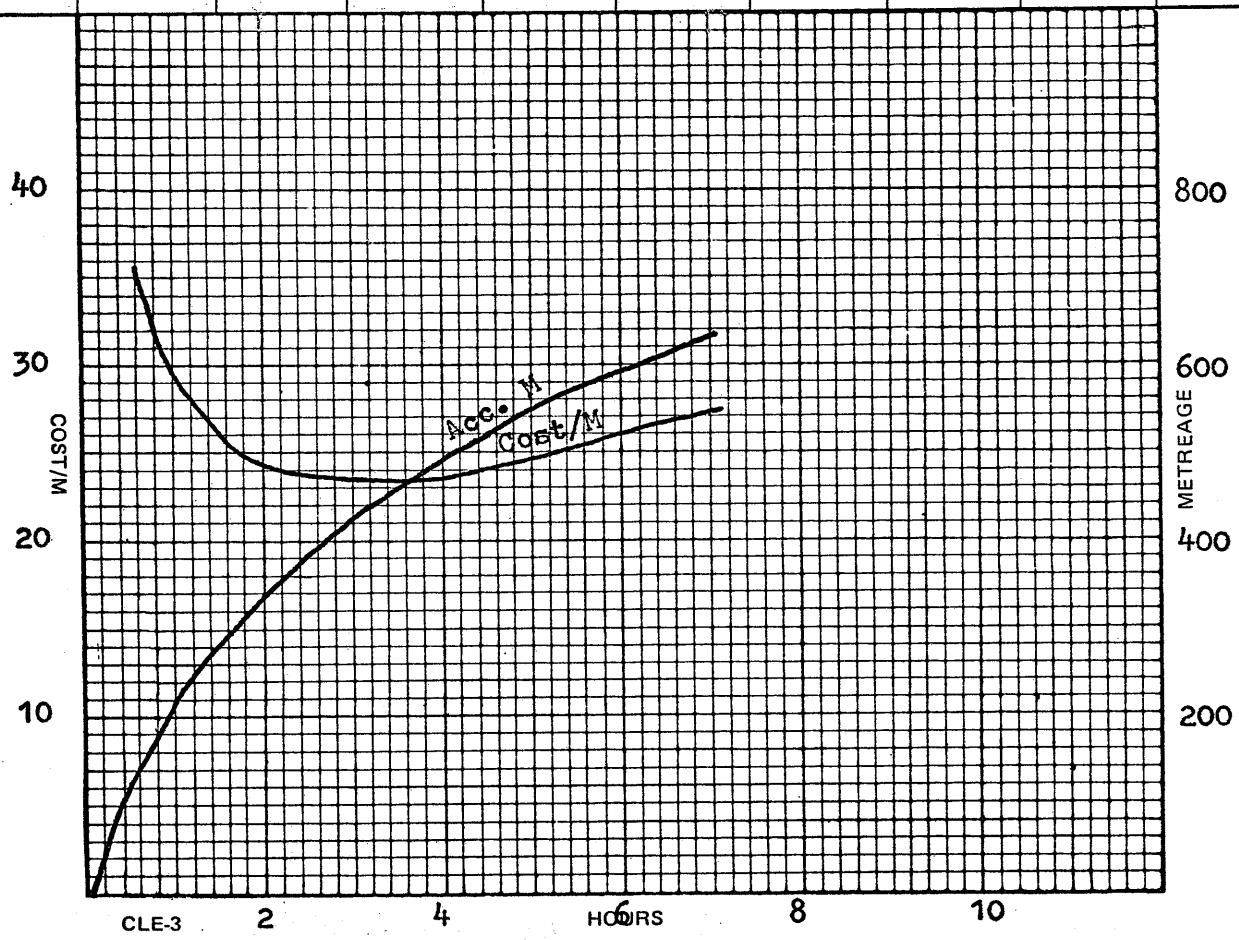
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	WEST HALIBUT #1	GIPPSLAND BASIN	240 - 876 m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC OSC 3AJ	444.5 mm	636	61000
	COST	JETS	HOURS RUN	CONDITION
	$ 1582	3 x 14.29 mm	7.1	

RIG COST/HR 1700

TRIP TIME 2 hrs.

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	7000	467	227	29					
2	16000	580	340	24					
3	24000	664	424	23.8					
4	32000	734	494	23.8					
5	42000	786	546	24.7					
6	51000	832	592	25.6					
7	60000	860	620	27.2					
7.1	61000	876	636	26.8					



CORE LAB **ESP**

COST PER METRE GRAPH

UNIT NO. 176 BIT NO. 3

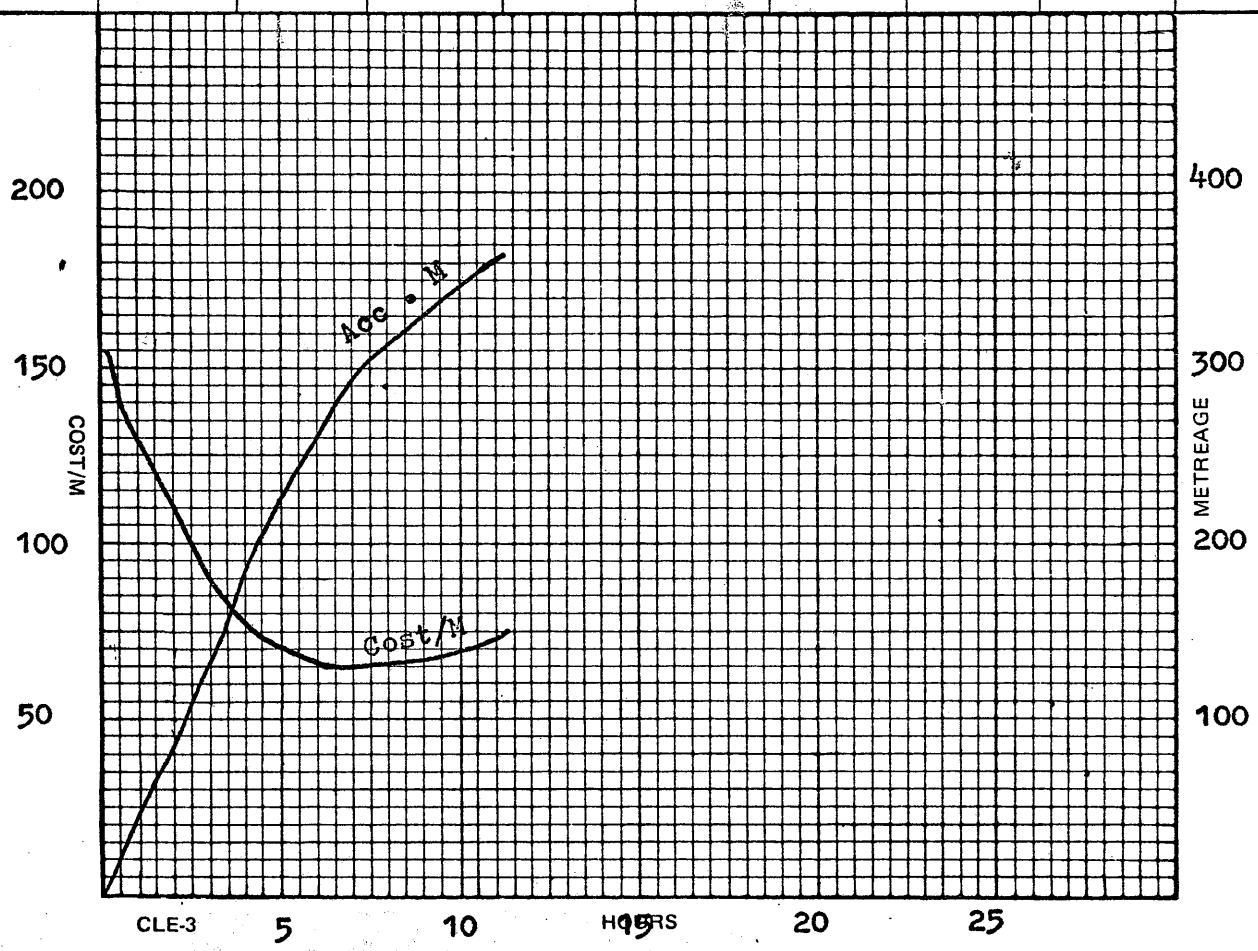
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	WEST HALIBUT #1	GIPPSLAND BASIN	876 - 1239.8 m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC X3A	311.15 mm	364	93000
	COST	JETS	HOURS RUN	CONDITION
	$ 744	3x14.29 mm	11.1 hr	5/4/I

RIG COST/HR $ 1700

TRIP TIME 4

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	6000	922	46	127					
2	14000	974	98	111					
3	22000	1016	140	90					
4	30000	1064	188	76					
5	38000	1102	226	71					
6	47000	1127	251	71					
7	56000	1172	296	66					
8	65000	1190	314	67					
9	74000	1203	327	69					
10	82000	1221	345	71					
11.1	93000	1240	364	72					



COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 176 BIT NO. 4

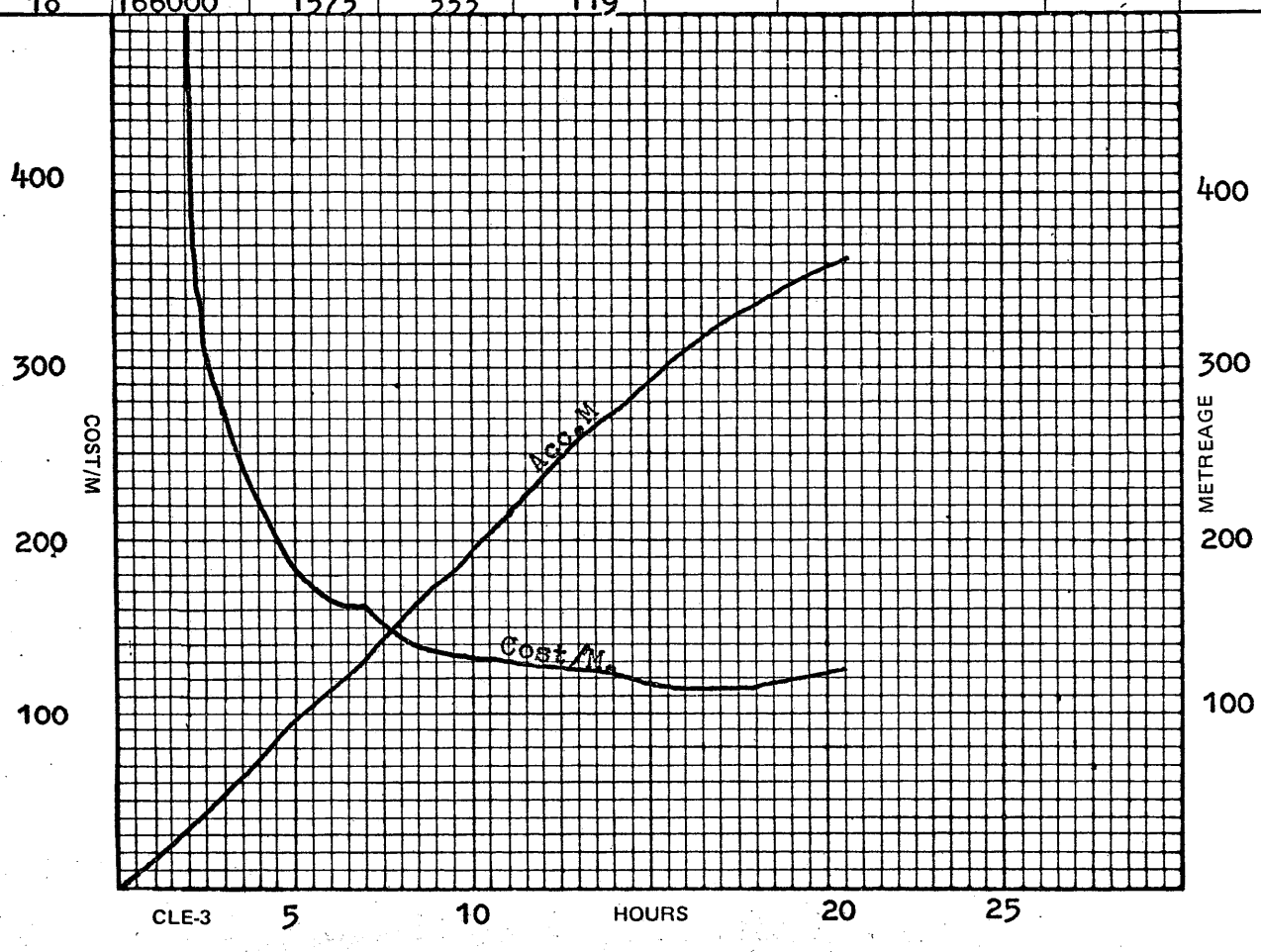
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	WEST HALIBUT #1	GIPPSLAND BASIN	1240 - 1604 m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC XDG	311.15 mm	364 m	193000
	COST	JETS	HOURS RUN	CONDITION
	$ 744	14.29/2x12.7 mm	20.6	5-6-I

RIG COST/HR $ 1700

TRIP TIME 5

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	9000	1255	15	729	19	176000	1585	345	120
2	18000	1270	30	478	20	187000	1597	357	121
3	27000	1292	52	275	20.6	193000	1604	364	122
4	36000	1313	73	219					
5	45000	1335	95	186					
6	54000	1356	116	167					
7	63000	1371	131	161					
8	70000	1398	158	145					
9	77000	1417	177	139					
10	85000	1433	193	135					
11	94000	1452	212	131					
12	103000	1473	233	127					
13	112000	1491	251	124					
14	123000	1511	271	121					
15	137000	1530	290	119					
16	148000	1550	310	117					
17	156000	1562	322	118					
18	166000	1573	333	119					



COST PER METRE GRAPH

CORE LAB **ESP**

UNIT NO. 176 BIT NO. 5

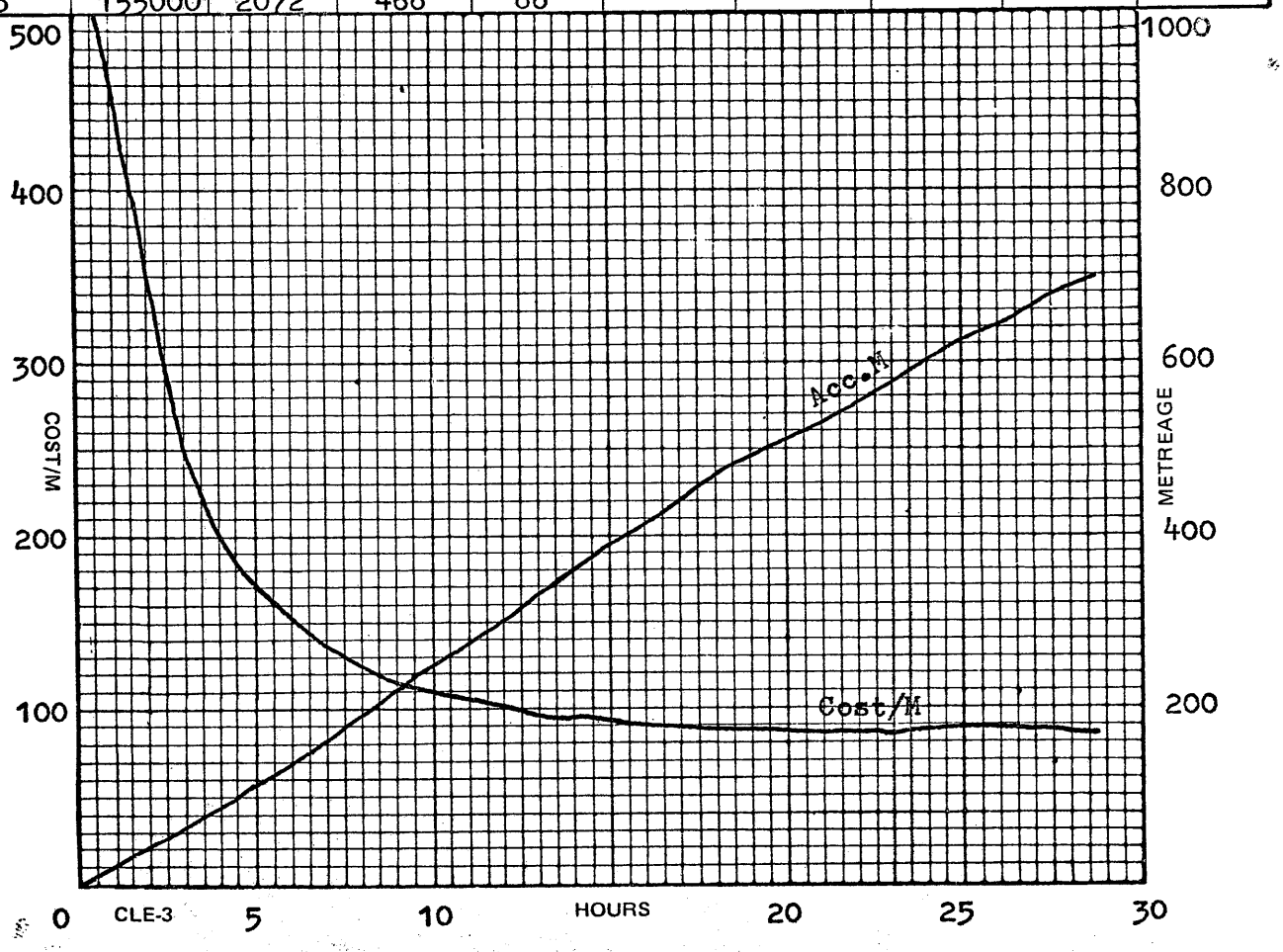
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	1604 - 2304m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC X3A	311.15mm	700m	250,000
	COST	JETS	HOURS RUN	CONDITION
	$ 744	3 X 12.7mm	28.7	4.6.I.

RIG COST/HR $ 1700

TRIP TIME 6 HRS.

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	8000	1623	19	665	19	165000	2098	494	87.5
2	16000	1644	40	358	20	174000	2118	514	87.4
3	26000	1669	65	235	21	183000	2140	536	87
4	35000	1694	90	197	22	192000	2163	559	86.5
5	43000	1718	114	170	23	201000	2186	582	86
6	51000	1744	140	151	24	210000	2208	604	85.7
7	60000	1774	170	134	25	219000	2229	625	85.2
8	69000	1802	198	124	26	228000	2252	648	85.1
9	77000	1828	224	117	27	235000	2270	666	85.4
10	85000	1856	253	110	28	244000	2291	687	85.2
11	93000	1886	282	105	28.7	250000	2304	700	85.3
12	101000	1916	312	100					
13	110000	1940	336	98					
14	119000	1966	362	96					
15	128000	1996	392	93					
16	137000	2025	421	90					
17	146000	2049	445	89					
18	155000	2072	468	88					



COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 176 BIT NO. 6

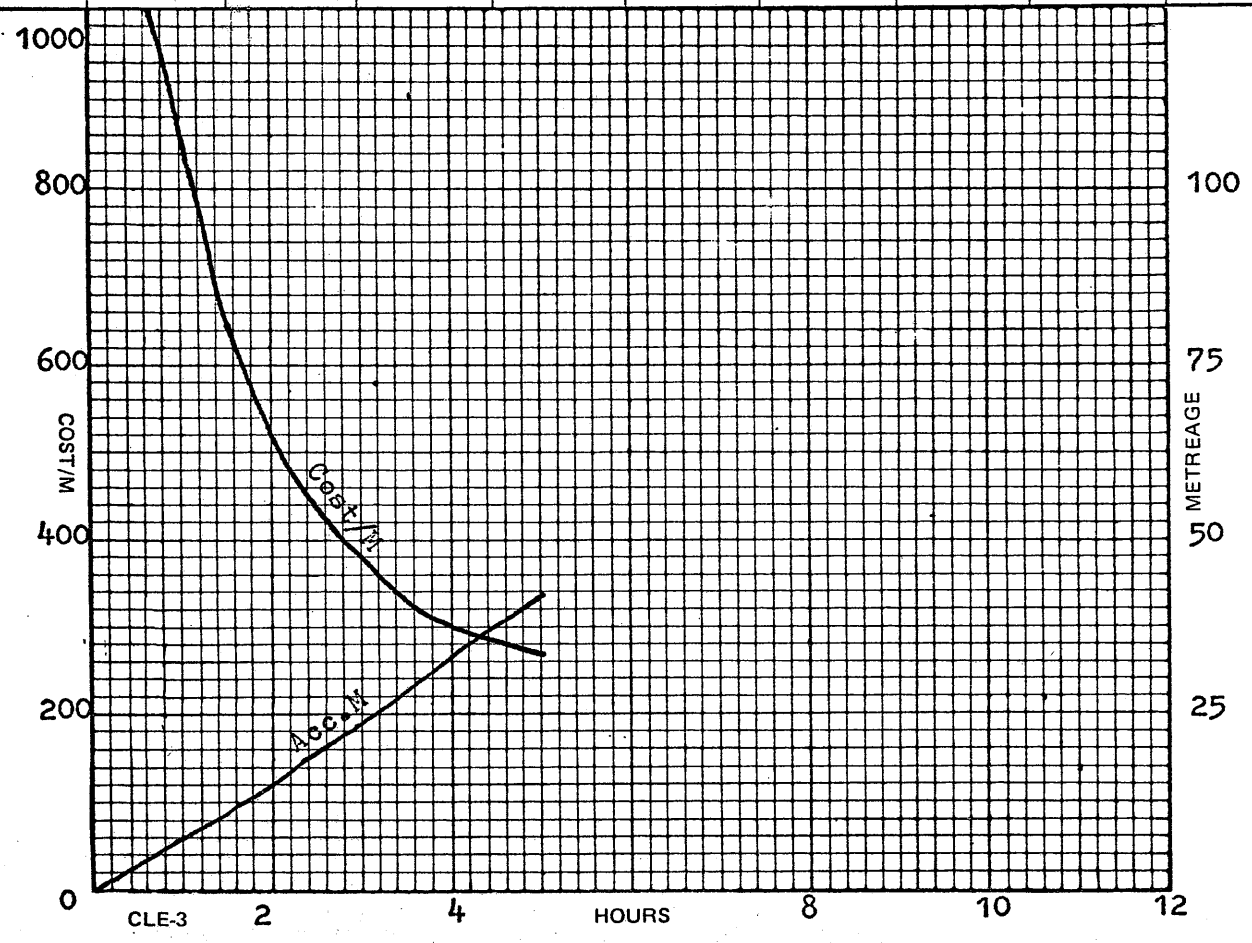
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2304 - 2385m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC X3A	311.15mm	81	44,000
	COST $ 744	JETS 3 X 12.7mm	HOURS RUN 5	CONDITION 6.7.I.

RIG COST/HR $ 1700

TRIP TIME 7 HRS.

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	8000	2318	16	896					
2	17000	2336	32	501					
3	25000	2351	47	377					
4	34000	2370	66	294					
5	44000	2385	81	261					



COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 176 BIT NO. 8

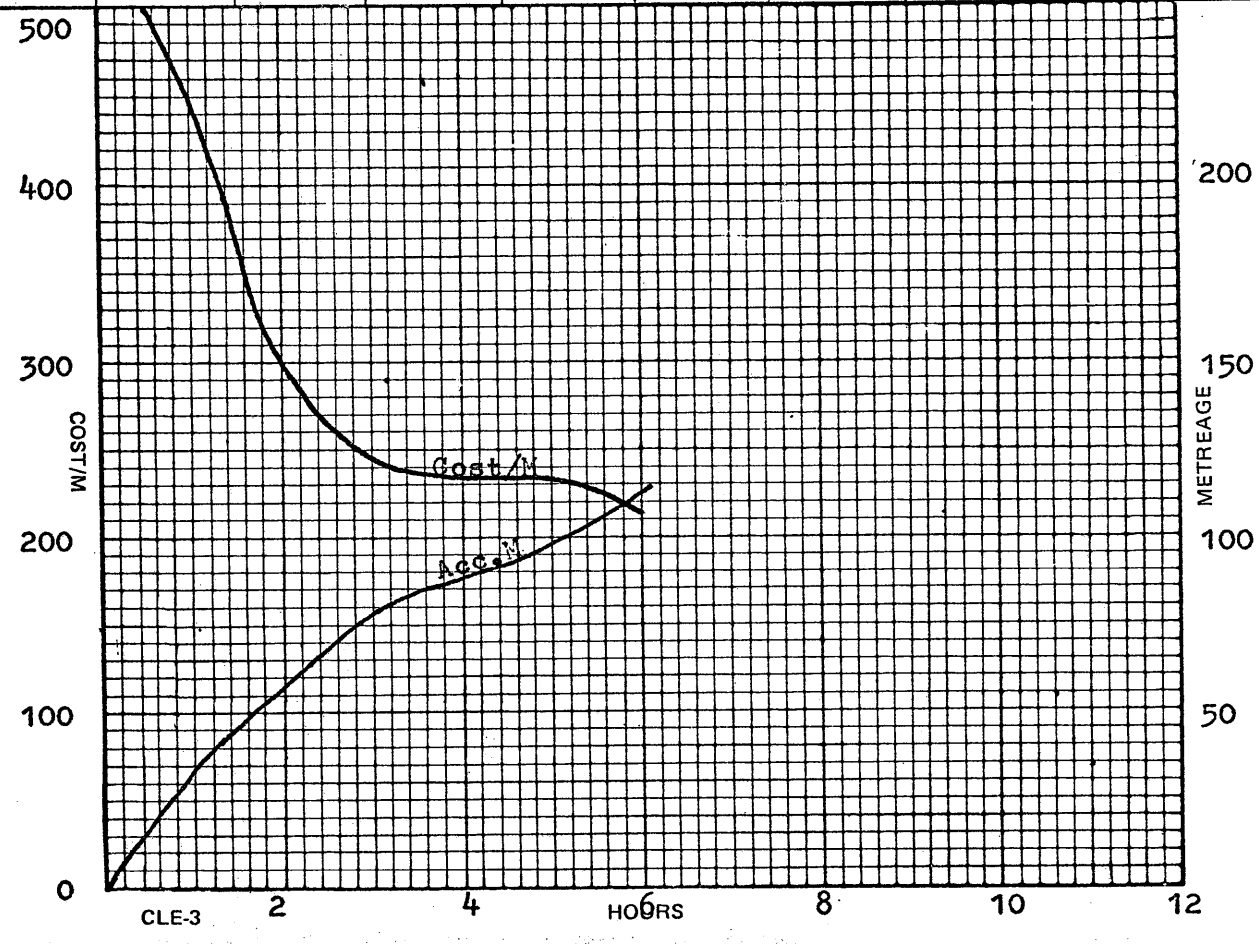
COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT #1	GIPPSLAND BASIN	2457 - 2577m

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC XDG	311.15mm	120m	60,000
	COST	JETS	HOURS RUN	CONDITION
	$744	3 x 11.11mm	6.7	3.3.I.

RIG COST/HR $1700

TRIP TIME 8 hrs

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	8220	2492	35	458					
2	16740	2516	59	301					
3	25560	2537	80	243					
4	34800	2546	89	237					
5	44040	2555	98	233					
6	53280	2570	113	217					



BIT DATA

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

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 1 BIT NO. 1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	WEST HALIBUT #1	GIPPSLAND BASIN	93.3 - 240 m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	OSC 3A	146.7 m	-
	SIZE	JETS	HOURS RUN	CONDITION
	444.5 mm	3 x 15.9 mm	-	-

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE			LENGTH
	HW DRILL PIPE			
	DRILL COLLARS			
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
					HUNG AT.

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

REMARKS;

Drill to 240m w/444.5mm bit and 660.4mm hole opener.
Water Depth 68.3 metres.
RKB - SF 93.3 metres.

BIT RUN DATA SHEET.

CORE LAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	240 - 876m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	OSC 3AJ	636m	61000
	SIZE	JETS	HOURS RUN	CONDITION
	444.5	3 x 14.29mm	7.1	

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	162m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	508mm	485.75mm		227.8m	HUNG AT.

DEPTH	470	730	820			
WOB	38	33	42			
RPM	132	150	150			
PUMP RATE	100/106	100/104	108/103			
FLOWRATE	1064	1053	1090			
PUMP PRESS	1900	2090	2340			
MW S.G.	1.06	1.06	1.08			
PV	-	2	6			
YP	-	5	28			
SAND %	tr	tr	tr			
TEMP. °C	18	23	29			
Psurface	65	74	99			
Pstring	452	621	889			
Pbit	1644	1613	1764			
Pannulus	1	2	14			
Ptotal	2162	2310	2766			
HHP	1020	990	1121			
IMPACTFORCE	2214	2170	2376			
JET VEL	138	137	142			
DC/OH	33	32	34			
DP/OH	28	28	29			
DP/CSG	23	23	24			
ECD	1.09	1.10	1.12			

REMARKS:

POOH at 876 metres to log and run 339.75mm casing.

BIT RUN DATA SHEET.

CORE LAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD.	WEST HALIBUT #1	GIPPSLAND BASIN	876 - 1239.8 m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	364 m	93000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15 mm	3 x 14.29 mm	11.1	5/4/I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127 mm	108.61 mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2 mm	76.2 mm	165 m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75 mm	320.42 mm		862 m.	HUNG AT.

DEPTH	900	1050	1220			
WOB	30	45	52			
RPM	90	128	155			
PUMP RATE	93/90	103/96	101/93			
FLOWRATE	945	1028	1002			
PUMP PRESS	2100	2520	2550			
MW S.G.	1.12	1.09	1.1			
PV	6	6	4			
YP	30	19	9			
SAND %	tr	tr	tr			
TEMP.	42	47	42			
Psurface	78	90	80			
Pstring	736	926	909			
Pbit	1357	1569	1525			
Pannulus	43	30	15			
Ptotal	2214	2615	2529			
HHP	748	941	891			
IMPACTFORCE	1836	2125	2053			
JET VEL	157	171	166			
DC/OH	83	89	87			
DP/OH	56	61	60			
DP/CSG	53	57	56			
ECD	1.13	1.10	1.12			

REMARKS;

Perform P.I.T to equivalant of 1.62 S.G mud weight at 881.8 metres.

No formation breakdown.

BIT RUN DATA SHEET.

CORE LAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA LTD	WEST HALIBUT #1	GIPPSLAND BASIN	1240 - 1604 m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XDG	364 m.	193000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15 mm	14.29/2x12.7mm	20.6	5-6-I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127 mm	108.61 mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2 mm	76.2 mm	165 m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75 mm	320.42 mm		862 m.	HUNG AT.

DEPTH	1260	1370	1478	1570		
WOB	42	42	52	52		
RPM	142	152	175	180		
PUMP RATE	93/92	101/89	95/100	93/91		
FLOWRATE	955	981	1007	950		
PUMP PRESS	2700	2900	2970	2711		
MW S.G.	1.09	1.09	1.10	1.10		
PV	3	3	4	5		
YP	6	6	6	5		
SAND %	tr	tr	tr	tr		
TEMP.	41	42	42	43		
Psurface	69	72	77	76		
Pstring	804	882	981	1016		
Pbit	1863	1965	2092	1863		
Pannulus	10	11	11	10		
Ptotal	2746	2930	3161	2965		
HHP	1038	1124	1229	1032		
IMPACTFORCE	2151	2269	2416	2152		
JET VEL	145	149	153	145		
DC/OH	83	85	87	83		
DP/OH	57	59	60	57		
DP/CSG	53	55	56	53		
ECD	1.10	1.10	1.12	1.12		

REMARKS;

BIT RUN DATA SHEET.

CORELAB **ESP**

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	1604 - 2304m.

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	700m	250,000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3 X 12.7mm	28.7	4 - 6 - I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	127mm	108.61mm	
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	163m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.75mm	320.42mm		862m	

DEPTH	1643m	1800m	2075m	2160m	2260m	
WOB	41	44	44	40	46	
RPM	145	134	148	142	143	
PUMP RATE	102/78	88/86	78/85	80/71	84/72	
FLOW RATE	930	899	842	780	805	
PUMP PRESS	2935	2890	2880	2583	2840	
MW S.G.	1.10	1.08	1.09	1.09	1.09	
PV	5	6	7	7	7	
YP	6	12	10	12	12	
SAND %	Tr	Tr	Tr	Tr	Tr	
TEMP. °C	40	48	56	56	58	
Psurface	73	71	65	57	60	
Pstring	995	1027	1053	947	1038	
Pbit	2095	1937	1718	1475	1574	
Pannulus	9	25	23	28	29	
Ptotal	3172	3060	2859	2507	2701	
HHP	1136	1015	843	671	739	
IMPACTFORCE	2233	2053	1822	1563	1666	
JET VEL	154	149	140	129	134	
DC/OH	81	78	73	68	70	
DP/OH	56	54	50	47	48	
DP/CSG	52	50	47	43	45	
ECD	1.12	1.09	1.10	1.10	1.10	

REMARKS;

FLOW CHECK AT 2100m. No flow.

DOWN TO ONE MUD PUMP FROM 2100 - 2102m.

CORE LAB **ESP**

BIT RUN DATA SHEET.

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

COMPANY: ESSO AUSTRALIA	WELL: WEST HALIBUT # 1	LOCATION: GIPPSLAND BASIN	INTERVAL: 2304 - 2385m	
BIT	MAKE: HTC	TYPE: X3A	BIT RUN: 81m	TOTAL REVS: 44,000
	SIZE: 311.15mm	JETS: 3 X 12.7mm	HOURS RUN: 5	CONDITION: 6 - 7 - I

DRILL STRING & BOTTOM HOLE ASSEMBLY	OD	ID	LENGTH
DRILL PIPE	127mm	108.61mm	
HW DRILL PIPE			
DRILL COLLARS	203.2mm	76.2mm	163.6m
HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.75mm	320.42mm		862m	

DEPTH	2320m	2380m				
WOB	44	42				
RPM	151	153				
PUMP RATE	82/76	74/88				
FLOWRATE	816	836				
PUMP PRESS	2556	2788				
MW S.G.	1.12	1.12				
PV	9	8				
YP	11	11				
SAND %	Tr	Tr				
TEMP. °C	48	52				
Psurface	65	67				
Pstring	1042	1110				
Pbit	1614	1735				
Pannulus	22	24				
Ptotal	2743	2935				
HHP	773	852				
IMPACTFORCE	1719	1847				
JET VEL	135	139				
DC/OH	71	73				
DP/OH	49	50				
DP/CSG	46	47				
ECD	1.10	1.10				

REMARKS;

THE FLOW-LINE BECAME BLOCKED WHILE DRILLING/CIRCULATING BOTTOMS UP WITH NEW BIT AT 2309m.

DRILLING BREAK AT 2383 - 2385m GAVE A SANDSTONE AND GAS WITH 'HEAVIES' C1 - C5. PREPARING TO CUT CORE # 1.

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 176 RUN NO. 7 BIT NO. NCB 1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2387 - 2400.2m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C 22	13.2m	12000
	SIZE	**JETS**	**HOURS RUN**	**CONDITION**
	215.14mm	23 EQUIV.	2.8	EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	163.35m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm		862m	HUNG AT.

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

REMARKS;

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 8 BIT NO. CB RR1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2400.2 - 2413m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C 22	12.8m	12000
	SIZE	JETS	HOURS RUN	CONDITION
	215.14mm	23 EQUIV.	2.5	EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	127mm	108.61mm	
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	163.35m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.75mm	320.42mm		862m	

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

REMARKS;

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 176 RUN NO. 9 BIT NO. CB RR2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2413 - 2425m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C 22	12m	8000
	SIZE	JETS	HOURS RUN	CONDITION
	215.14mm	23 EQUIV.	1.6	EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	163.35m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm		862m	HUNG AT.

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

REMARKS;

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 10 BIT NO. NCB 2

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2425 - 2436.6m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C 22	11.6m	12000
	SIZE 215.14mm	JETS 23 EQUIV.	HOURS RUN 2.6	CONDITION EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	127mm	108.61mm	
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	163.35m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.75mm	320.42mm		862m	

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

REMARKS;

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 176 RUN NO. 11 BIT NO. NCB 3

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2436.6 - 38.8m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C 20	2.2m	4000
	SIZE	JETS	HOURS RUN	CONDITION
	215.14mm	23 EQUIV.	0.9	EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	163.35m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm		862m	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;

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2438.8 - 2444m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XDG	5.2m	2000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3 X 11.11mm	0.3	EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	127mm	108.61mm	
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	200.26m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm		862m	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;

REAM RAT HOLE AND DRILL AHEAD TO 2444m.

PULL OUT OF HOLE AND PREPARE TO CUT CORE # 6.

CORE LAB **ESP**

BIT RUN DATA SHEET.

UNIT NO. 176 RUN NO. 13 BIT NO. NCB 4

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2444 - 2457.8m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	CHRIST.	C 20	13.8m	14000
	SIZE 215.14mm	JETS 23 EQUIV.	HOURS RUN 3.0	CONDITION EXCELLENT

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	LENGTH
	DRILL PIPE	127mm	108.61mm	
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	163.35m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	HUNG AT.
	339.75mm	320.42mm		862m	

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;

BIT RUN DATA SHEET.

CORE LAB **ESP**

UNIT NO. 176 RUN NO. 14 BIT NO. 8

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	WEST HALIBUT # 1	GIPPSLAND BASIN	2458 - 2577m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XDG	119m	60,000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3 x 11.11mm	6.7	3.3.I.

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	200.26m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm		862m	HUNG AT.

DEPTH	2560					
WOB	60					
RPM	154					
PUMP RATE	78/84					
FLOWRATE	593					
PUMP PRESS	2310					
MW	1.12					
PV	13					
YP	15					
SAND %	tr					
TEMP.	49					
Psurface	40					
Pstring	590					
Pbit	1745					
Pannulus	12					
Ptotal	2387					
HHP	603					
IMPACTFORCE	1307					
JET VEL	335					
DC/OH	77					
DP/OH	53					
DP/CSG	48					
ECD	1.94					

REMARKS;

DUMP A

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

ESP 1010 ESSO AUSTRALIA WEST HALIBUT #1 PAGE 1 - A

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	64										
				NEW BIT ID:	2						
246.0	15: 6	333.1	10	95	8.4	8.4	8.5	8.60	10.7	71.9	.37
274.0	15:27	284.1	7	103	8.4	8.3	9.0	8.60	10.9	79.4	.39
280.0	15:28	231.7	16	104	8.4	8.3	9.0	8.60	10.9	53.7	.53
282.0	15:29	183.4	15	105	8.4	8.3	9.1	8.60	10.9	53.4	.58
294.0	15:39	244.9	14	107	8.4	8.4	9.0	8.60	11.0	58.4	.50
296.0	15:40	237.4	10	112	8.4	8.4	9.0	8.60	11.0	65.1	.48
300.0	15:41	233.9	8	119	8.4	8.4	9.0	8.60	11.0	71.6	.47
312.0	15:52	309.8	10	118	8.6	8.5	9.1	8.60	11.1	69.4	.43
318.0	15:54	291.6	17	119	8.6	8.5	9.2	8.60	11.1	58.9	.49
322.0	16: 0	230.4	17	115	8.6	8.6	9.1	8.60	11.1	54.8	.54
	90										
326.0	16: 1	232.0	26	113	8.6	8.6	9.1	8.60	11.2	43.6	.60
336.0	16: 7	279.8	16	121	8.6	8.6	9.2	8.60	11.2	58.8	.50
338.0	16: 7	246.6	20	121	8.6	8.6	9.2	8.60	11.2	52.1	.55
340.0	16: 8	235.3	21	119	8.6	8.6	9.2	8.60	11.2	50.3	.57
342.0	16:12	480.0	16	118	8.6	8.6	9.2	8.60	11.3	65.1	.36
346.0	16:13	247.3	22	121	8.6	8.6	9.3	8.60	11.3	50.6	.56
348.0	16:14	199.8	23	120	8.6	8.6	9.3	8.60	11.3	47.1	.63
352.0	16:19	188.8	20	116	8.6	8.6	9.2	8.60	11.3	49.9	.61
356.0	16:20	219.8	24	113	8.6	8.6	9.2	8.60	11.3	46.9	.59
358.0	16:21	216.1	22	115	8.6	8.7	9.2	8.60	11.3	49.2	.59
	110										
362.0	16:26	210.9	18	114	8.6	8.7	9.2	8.60	11.4	54.2	.57
368.0	16:28	195.9	14	111	8.6	8.7	9.3	8.60	11.4	58.5	.55
370.0	16:33	313.0	15	110	8.6	8.7	9.1	8.60	11.4	61.1	.44
372.0	16:34	153.9	20	109	8.6	8.7	9.2	8.60	11.4	45.8	.65
376.0	16:35	194.2	21	108	8.6	8.7	9.2	8.60	11.4	48.6	.60
378.0	16:36	175.1	17	110	8.6	8.7	9.2	8.60	11.4	52.1	.60
380.0	16:41	137.0	18	111	8.6	8.7	9.1	8.60	11.4	47.3	.67
382.0	16:41	163.3	26	112	8.6	8.7	9.1	8.60	11.5	40.3	.69
390.0	16:49	180.0	20	125	8.6	8.7	9.1	8.60	11.5	46.6	.65
392.0	16:50	153.1	15	127	8.6	8.7	9.0	8.60	11.5	49.6	.66
	132										
398.0	16:52	165.6	14	146	8.6	8.7	9.0	8.60	11.5	51.0	.67
400.0	17: 7	101.5	16	137	8.8	8.9	8.8	8.60	11.5	37.9	.83
402.0	17: 8	152.5	24	130	8.8	8.9	8.9	8.60	11.5	35.9	.75
404.0	17: 9	104.9	26	66	8.8	8.9	8.9	8.60	11.6	36.8	.68
408.0	17:16	90.0	21	73	8.8	8.9	9.0	8.60	11.6	40.8	.70
410.0	17:18	119.7	21	140	8.8	8.9	9.1	8.60	11.6	37.6	.81
416.0	17:20	168.7	27	134	8.8	8.9	9.2	8.60	11.6	38.4	.73
418.0	17:26	104.9	19	142	8.8	8.9	9.1	8.60	11.6	40.1	.82
420.0	17:27	197.3	30	139	8.8	8.9	9.2	8.60	11.6	38.1	.72
424.0	17:28	229.3	34	137	8.8	8.9	9.2	8.60	11.6	38.4	.69
	154										
426.0	17:28	178.2	30	138	8.8	8.9	9.3	8.60	11.7	38.6	.74
428.0	17:33	252.7	19	114	8.8	8.9	9.2	8.60	11.7	54.3	.53
432.0	17:35	185.4	31	137	8.8	8.9	9.3	8.60	11.7	37.8	.74
436.0	17:36	180.2	34	130	8.8	8.9	9.3	8.60	11.7	36.1	.74
438.0	17:42	198.3	30	122	8.8	8.9	9.2	8.60	11.7	40.3	.68
444.0	17:44	193.5	33	123	8.8	8.9	9.3	8.60	11.7	38.4	.70
446.0	17:50	190.4	22	116	8.8	8.9	9.2	8.60	11.7	49.6	.62

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
168											
448.0	17:50	192.0	33	120	8.8	8.9	9.2	8.60	11.8	38.1	.70
450.0	17:51	220.0	22	122	8.8	8.9	9.2	8.60	11.8	48.5	.60
452.0	17:52	198.8	23	122	8.8	8.9	9.2	8.60	11.8	46.7	.63
454.0	17:52	178.2	25	122	8.8	8.9	9.3	8.60	11.8	43.9	.67
456.0	18: 5	195.1	17	133	8.8	8.9	9.0	8.60	11.8	49.9	.62
460.0	18: 7	164.8	35	130	8.8	8.9	9.1	8.60	11.8	32.1	.79
462.0	18: 8	137.5	29	135	8.8	8.9	9.1	8.60	11.8	33.8	.82
464.0	18:14	146.6	30	134	8.8	8.9	9.0	8.60	11.8	33.5	.80
466.0	18:15	125.3	30	134	8.8	8.9	9.0	8.60	11.8	31.5	.85
468.0	18:16	101.3	33	133	8.8	8.9	9.1	8.60	11.8	27.6	.92
185											
470.0	18:17	148.2	40	132	8.8	8.9	9.1	8.60	11.8	28.3	.85
472.0	18:18	108.1	39	131	8.8	8.9	9.2	8.60	11.9	25.9	.93
476.0	18:24	102.9	34	136	8.8	8.9	9.2	8.60	11.9	28.8	.92
478.0	18:25	134.1	35	142	8.8	8.9	9.2	8.60	11.9	30.5	.87
480.0	18:26	105.4	35	143	8.8	8.9	9.2	8.60	11.9	27.7	.94
482.0	18:27	133.7	36	141	8.8	8.9	9.2	8.60	11.9	30.2	.87
484.0	18:34	119.5	27	122	8.8	8.9	9.2	8.60	11.9	36.9	.80
486.0	18:35	122.0	30	131	8.8	8.9	9.1	8.60	11.9	32.4	.85
490.0	18:37	127.2	32	142	8.8	8.9	9.2	8.60	11.9	31.5	.87
492.0	18:38	116.1	35	141	8.8	8.9	9.2	8.60	11.9	28.9	.91
206											
494.0	18:44	102.0	32	139	8.8	8.9	9.1	8.60	11.9	28.6	.92
496.0	18:45	142.3	34	139	8.8	8.9	9.1	8.60	11.9	30.7	.85
498.0	18:46	151.1	34	140	8.8	8.9	9.1	8.60	12.0	31.7	.83
500.0	18:47	121.6	37	138	8.8	8.9	9.1	8.60	12.0	27.8	.91
502.0	18:47	177.2	37	139	8.8	8.9	9.2	8.60	12.0	32.8	.79
504.0	18:53	150.6	32	124	8.8	9.0	9.2	8.60	12.0	36.2	.77
506.0	18:54	180.2	37	150	8.8	9.0	9.2	8.60	12.0	33.4	.80
508.0	18:55	170.9	33	152	8.8	9.0	9.2	8.60	12.0	34.8	.80
510.0	18:55	163.6	38	151	8.8	9.0	9.2	8.60	12.0	31.7	.84
512.0	19:11	143.3	42	146	8.8	9.0	9.0	8.60	12.0	24.2	.93
225											
514.0	19:12	188.3	44	147	8.8	9.0	9.0	8.60	12.0	27.0	.85
516.0	19:13	166.6	45	147	8.8	9.0	9.0	8.60	12.0	25.4	.89
522.0	19:20	164.1	42	150	8.8	9.0	9.0	8.60	12.0	26.6	.88
524.0	19:21	152.6	29	148	8.8	9.0	9.1	8.60	12.1	34.1	.81
526.0	19:22	143.4	34	147	8.8	9.0	9.1	8.60	12.1	30.5	.86
530.0	19:28	118.0	36	151	8.8	9.0	9.1	8.60	12.1	28.1	.93
532.0	19:29	123.3	40	153	8.8	9.0	9.2	8.60	12.1	26.8	.94
534.0	19:30	126.1	37	153	8.8	9.0	9.2	8.60	12.1	29.2	.92
542.0	19:36	86.9	41	144	8.8	9.0	9.3	8.60	12.1	23.6	1.03
546.0	19:37	191.9	37	145	8.8	9.0	9.3	8.60	12.1	34.8	.78
247											
550.0	19:38	228.9	35	147	8.8	9.0	9.4	8.60	12.1	39.3	.71
552.0	19:45	178.7	40	151	8.8	9.0	9.3	8.60	12.2	31.3	.84
554.0	19:46	105.2	41	152	8.8	9.0	9.3	8.60	12.2	25.7	.99
556.0	19:47	152.3	39	154	8.8	9.0	9.3	8.60	12.2	31.7	.86
558.0	19:48	101.2	39	154	8.8	9.0	9.3	8.60	12.2	27.4	.98
560.0	19:54	232.2	33	151	8.8	9.0	9.3	8.60	12.2	39.7	.70
562.0	19:54	127.7	31	151	8.8	9.0	9.2	8.60	12.2	33.4	.87
564.0	19:56	93.6	36	149	8.8	9.0	9.2	8.60	12.2	26.7	.99
566.0	19:57	117.7	30	152	8.8	9.0	9.3	8.60	12.2	33.3	.88
568.0	19:59	67.3	37	156	8.8	9.0	9.2	8.60	12.2	21.9	1.11
267											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
267											
570.0	20:12	89.8	34	141	8.8	9.0	9.0	8.60	12.2	25.4	.99
572.0	20:16	29.0	38	138	8.8	9.0	9.0	8.60	12.2	10.0	1.37
574.0	20:19	52.5	34	138	8.8	9.0	9.0	8.60	12.2	17.5	1.18
576.0	20:21	77.2	32	140	8.8	9.0	9.0	8.60	12.2	22.4	1.08
578.0	20:23	71.7	32	138	8.8	9.0	9.0	8.60	12.3	24.4	1.04
580.0	20:29	73.0	33	133	8.9	8.8	9.0	8.60	12.3	24.7	1.03
582.0	20:31	78.1	33	142	8.9	9.1	9.1	8.60	12.3	23.8	1.06
584.0	20:33	64.3	33	142	8.9	9.1	9.1	8.60	12.3	23.4	1.08
586.0	20:34	110.9	29	142	8.9	9.1	9.1	8.60	12.3	33.0	.88
588.0	20:36	69.6	36	141	8.9	9.1	9.2	8.60	12.3	23.4	1.07
284											
590.0	20:42	82.4	29	130	8.9	9.1	9.2	8.60	12.3	31.5	.94
592.0	20:43	90.8	34	142	8.9	9.1	9.2	8.60	12.3	27.8	.98
594.0	20:45	86.5	34	142	8.9	9.1	9.2	8.60	12.3	27.5	.99
596.0	20:46	70.0	34	144	8.9	9.1	9.2	8.60	12.3	25.3	1.05
600.0	20:54	97.5	30	140	8.9	9.1	9.2	8.60	12.3	32.7	.91
602.0	20:55	97.1	23	148	8.9	9.1	9.2	8.60	12.3	37.4	.87
604.0	20:56	102.0	23	148	8.9	9.1	9.2	8.60	12.3	38.8	.85
606.0	20:58	63.6	29	147	8.9	9.1	9.2	8.60	12.3	27.5	1.04
610.0	21:13	91.7	22	142	8.9	9.1	9.2	8.60	12.4	37.2	.88
612.0	21:15	90.2	26	144	8.9	9.1	9.1	8.60	12.4	32.9	.92
306											
614.0	21:16	70.8	26	148	8.9	9.1	9.1	8.60	12.4	30.3	.99
616.0	21:18	93.3	23	148	8.9	9.1	9.2	8.60	12.4	36.3	.89
618.0	21:25	89.1	29	140	8.9	9.1	9.1	8.60	12.4	30.2	.97
620.0	21:27	61.2	29	136	8.9	9.1	9.1	8.60	12.4	26.9	1.04
622.0	21:28	84.1	35	145	8.9	9.1	9.1	8.60	12.4	26.4	1.01
624.0	21:30	63.7	32	149	8.9	9.1	9.2	8.60	12.4	25.2	1.07
626.0	21:32	73.2	33	149	8.9	9.1	9.2	8.60	12.4	26.3	1.04
628.0	21:42	62.1	29	118	8.9	9.1	9.2	8.60	12.4	27.9	1.01
630.0	21:44	67.3	24	146	8.9	9.1	9.1	8.60	12.4	31.9	.98
632.0	21:46	68.3	24	146	8.9	9.1	9.2	8.60	12.4	32.4	.98
326											
634.0	21:48	78.5	26	146	8.9	9.1	9.2	8.60	12.4	32.3	.96
636.0	21:49	65.2	25	148	8.9	9.1	9.2	8.60	12.4	31.4	1.00
638.0	21:56	79.6	28	150	8.9	9.1	9.1	8.60	12.5	29.8	.99
640.0	21:57	74.0	31	153	8.9	9.1	9.1	8.60	12.5	26.7	1.04
642.0	21:59	70.2	37	154	8.9	9.1	9.2	8.60	12.5	23.2	1.10
644.0	22: 1	67.2	38	154	8.9	9.1	9.2	8.60	12.5	21.0	1.15
648.0	22: 9	88.1	36	150	8.9	9.1	9.2	8.60	12.5	26.8	1.02
650.0	22:11	82.4	33	148	8.9	9.1	9.2	8.60	12.5	28.3	1.00
652.0	22:12	106.0	33	147	8.9	9.1	9.2	8.60	12.5	31.5	.93
654.0	22:13	82.4	34	147	8.9	9.1	9.3	8.60	12.5	28.5	1.00
347											
656.0	22:20	81.6	32	143	8.9	9.1	9.3	8.60	12.5	30.0	.98
658.0	22:21	73.8	32	138	8.9	9.1	9.2	8.60	12.5	28.6	1.01
660.0	22:23	81.4	31	138	8.9	9.1	9.2	8.60	12.5	29.9	.97
662.0	22:24	74.6	30	154	8.9	9.1	9.2	8.60	12.5	29.4	1.01
664.0	22:26	61.9	28	156	8.9	9.1	9.2	8.60	12.5	28.1	1.06
666.0	22:33	64.1	34	145	8.9	9.1	9.2	8.60	12.5	25.4	1.08
668.0	22:34	89.6	29	152	8.9	9.1	9.2	8.60	12.6	31.9	.96
670.0	22:35	133.7	29	150	8.9	9.1	9.2	8.60	12.6	36.9	.84
672.0	22:36	109.0	31	151	8.9	9.1	9.2	8.60	12.6	32.6	.93
674.0	22:42	86.4	31	146	8.9	9.1	9.2	8.60	12.6	30.4	.98
367											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
367											
676.0	22:44	76.7	34	153	8.9	9.1	9.3	8.60	12.6	27.5	1.04
678.0	22:45	86.5	34	150	8.9	9.1	9.3	8.60	12.6	29.1	1.00
680.0	22:47	85.1	34	155	8.9	9.1	9.2	8.60	12.6	27.7	1.03
682.0	22:49	66.2	34	158	8.9	9.1	9.2	8.60	12.6	25.2	1.10
686.0	22:55	88.8	34	138	8.9	9.1	9.3	8.60	12.6	30.6	.96
688.0	22:56	76.2	32	147	8.9	9.1	9.3	8.60	12.6	29.8	1.00
690.0	22:58	70.9	34	145	8.9	9.1	9.3	8.60	12.6	28.0	1.03
692.0	23: 0	64.1	37	143	8.9	9.1	9.3	8.60	12.6	24.6	1.09
694.0	23: 2	60.9	35	147	8.9	9.1	9.3	8.60	12.6	24.6	1.11
696.0	23:14	64.2	37	140	8.9	9.1	9.2	8.60	12.6	24.1	1.09
387											
698.0	23:16	51.4	36	155	8.9	9.1	9.2	8.60	12.6	21.2	1.19
700.0	23:18	63.0	34	156	8.9	9.1	9.2	8.60	12.7	24.8	1.11
702.0	23:20	63.4	35	153	8.9	9.1	9.2	8.60	12.7	24.5	1.11
704.0	23:27	62.9	38	143	8.9	9.1	9.2	8.60	12.7	22.2	1.14
706.0	23:29	74.8	40	142	8.9	9.1	9.1	8.60	12.7	22.9	1.10
708.0	23:31	59.6	38	143	8.9	9.1	9.2	8.60	12.7	22.3	1.14
710.0	23:33	74.0	38	147	8.9	9.1	9.2	8.60	12.7	24.6	1.08
712.0	23:34	75.9	38	147	8.9	9.1	9.2	8.60	12.7	25.4	1.07
714.0	23:46	90.0	38	136	8.9	9.1	9.2	8.60	12.7	27.5	1.00
716.0	23:47	80.1	34	146	8.9	9.1	9.2	8.60	12.7	27.7	1.03
407											
718.0	23:49	85.7	32	155	8.9	9.1	9.2	8.60	12.7	29.2	1.01
720.0	23:50	116.3	30	137	8.9	9.1	9.2	8.60	12.7	35.6	.86
722.0	23:52	74.5	37	131	8.9	9.1	9.2	8.60	12.7	27.0	1.03
724.0	23:59	62.5	35	137	8.9	9.1	9.2	8.60	12.7	25.6	1.08
726.0	0: 0	72.2	39	143	8.9	9.1	9.2	8.60	12.7	24.5	1.09
728.0	0: 3	53.5	38	149	8.9	9.1	9.2	8.60	12.7	21.2	1.19
730.0	0: 4	76.7	35	148	8.9	9.1	9.2	8.60	12.7	27.1	1.05
732.0	0:12	54.0	36	149	8.9	9.1	9.2	8.60	12.8	23.3	1.16
734.0	0:14	59.6	32	144	8.9	9.1	9.2	8.60	12.8	27.3	1.08
736.0	0:16	57.5	31	149	8.9	9.1	9.2	8.60	12.8	26.8	1.10
427											
738.0	0:18	55.0	33	148	8.9	9.1	9.2	8.60	12.8	25.2	1.13
740.0	0:20	48.1	33	149	8.9	9.1	9.2	8.60	12.8	23.3	1.17
742.0	0:26	48.4	31	140	8.9	9.1	9.2	8.60	12.8	25.6	1.13
744.0	0:29	45.7	38	160	8.9	9.1	9.2	8.60	12.8	20.4	1.24
746.0	0:31	56.3	36	160	8.9	9.1	9.2	8.60	12.8	23.4	1.17
748.0	0:33	50.4	40	157	9.0	9.1	9.2	8.60	12.8	20.1	1.23
750.0	0:35	55.1	39	159	9.0	9.1	9.2	8.60	12.8	21.7	1.20
752.0	0:43	72.8	38	143	9.0	9.1	9.2	8.60	12.8	26.1	1.07
754.0	0:46	51.7	39	153	9.0	9.1	9.2	8.60	12.8	21.1	1.21
756.0	0:48	47.5	40	154	9.0	9.2	9.2	8.60	12.8	20.1	1.24
446											
758.0	0:50	55.7	40	153	9.0	9.2	9.3	8.60	12.8	22.2	1.18
760.0	0:52	57.9	40	152	9.0	9.2	9.3	8.60	12.8	23.1	1.16
762.0	0:59	87.4	39	123	9.0	9.2	9.3	8.60	12.8	29.2	.97
764.0	1: 2	42.4	42	149	9.0	9.2	9.3	8.60	12.8	18.6	1.27
766.0	1: 5	33.4	40	157	9.0	9.2	9.3	8.60	12.9	16.6	1.34
768.0	1: 8	40.7	40	155	9.0	9.2	9.3	8.60	12.9	18.7	1.28
770.0	1:11	40.8	42	156	9.0	9.2	9.3	8.60	12.9	18.2	1.30
772.0	1:19	37.1	45	161	9.0	9.2	9.3	8.60	12.9	14.8	1.38
774.0	1:22	49.5	41	157	9.0	9.2	9.3	8.60	12.9	20.4	1.24
776.0	1:25	33.9	42	160	9.0	9.2	9.3	8.60	12.9	15.8	1.36
465											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
465											
778.0	1:29	34.7	41	159	9.0	9.2	9.3	8.60	12.9	17.1	1.35
780.0	1:32	36.7	40	160	9.0	9.2	9.3	8.60	12.9	18.0	1.33
782.0	1:39	66.8	45	139	9.0	9.2	9.3	8.60	12.9	22.8	1.14
784.0	1:41	54.6	43	156	9.0	9.2	9.3	8.60	12.9	21.0	1.22
786.0	1:43	61.7	43	156	9.0	9.2	9.3	8.60	12.9	22.7	1.18
788.0	1:45	66.8	41	156	9.0	9.2	9.3	8.60	12.9	24.7	1.14
790.0	1:47	53.5	37	160	9.0	9.2	9.4	8.60	12.9	24.3	1.18
792.0	1:54	50.2	38	160	9.0	9.2	9.3	8.60	12.9	22.7	1.22
794.0	1:57	54.7	42	150	9.0	9.2	9.3	8.60	12.9	22.2	1.20
796.0	1:59	57.3	41	151	9.0	9.2	9.3	8.60	12.9	23.3	1.18
484											
798.0	2: 1	57.7	40	153	9.0	9.2	9.3	8.60	12.9	24.0	1.17
800.0	2: 8	57.6	38	142	9.0	9.2	9.4	8.60	12.9	25.5	1.13
802.0	2:10	56.5	41	147	9.0	9.2	9.3	8.60	13.0	23.5	1.17
804.0	2:13	48.5	41	150	9.0	9.2	9.3	8.60	13.0	21.6	1.23
806.0	2:15	58.0	42	151	9.0	9.2	9.3	8.60	13.0	23.0	1.19
808.0	2:17	61.7	42	149	9.0	9.2	9.3	8.60	13.0	24.0	1.16
810.0	2:23	58.7	42	151	9.0	9.2	9.3	8.60	13.0	23.4	1.18
812.0	2:25	58.3	42	153	9.0	9.2	9.3	8.60	13.0	23.4	1.18
814.0	2:28	50.3	42	153	9.0	9.2	9.3	8.60	13.0	21.7	1.23
816.0	2:31	36.7	42	155	9.0	9.2	9.3	8.60	13.0	18.3	1.33
504											
818.0	2:34	36.6	42	157	9.0	9.2	9.4	8.60	13.0	18.4	1.33
820.0	2:43	38.9	43	150	9.0	9.2	9.3	8.60	13.0	18.4	1.32
822.0	2:47	33.6	42	157	9.0	9.2	9.3	8.60	13.0	16.8	1.37
824.0	2:50	37.1	42	157	9.0	9.2	9.3	8.60	13.0	17.9	1.34
826.0	2:53	45.4	42	157	9.0	9.2	9.3	8.60	13.0	20.5	1.27
830.0	3: 2	48.0	41	151	9.0	9.2	9.3	8.60	13.0	21.2	1.24
832.0	3: 6	33.8	42	159	9.0	9.2	9.3	8.60	13.0	17.0	1.37
834.0	3:10	28.4	43	161	9.0	9.2	9.3	8.60	13.0	15.0	1.43
836.0	3:14	31.4	41	161	9.0	9.2	9.3	8.60	13.0	16.8	1.38
838.0	3:24	28.4	40	152	9.0	9.2	9.3	8.60	13.1	16.6	1.39
525											
840.0	3:28	28.6	41	167	9.0	9.2	9.2	8.60	13.1	15.2	1.43
842.0	3:31	36.7	42	166	9.0	9.2	9.3	8.60	13.1	17.3	1.37
844.0	3:36	29.3	41	158	9.0	9.2	9.2	8.60	13.1	16.0	1.40
846.0	3:40	30.1	41	157	9.0	9.2	9.2	8.60	13.1	16.3	1.39
848.0	3:49	31.4	41	148	9.0	9.2	9.2	8.60	13.1	17.1	1.36
850.0	3:54	23.5	40	158	9.0	9.2	9.2	8.60	13.1	13.8	1.47
852.0	3:59	24.7	41	158	9.0	9.2	9.2	8.60	13.1	14.2	1.46
854.0	4: 5	22.4	42	155	9.0	9.2	9.2	8.60	13.1	12.0	1.51
856.0	4: 8	43.1	39	145	9.0	9.2	9.2	8.60	13.1	21.9	1.24
858.0	4:18	41.0	37	152	9.0	9.2	9.2	8.60	13.1	21.8	1.26
544											
860.0	4:22	32.7	41	158	9.0	9.2	9.2	8.60	13.1	16.8	1.39
862.0	4:24	55.1	41	154	9.0	9.2	9.2	8.60	13.1	23.2	1.20
864.0	4:26	48.7	41	155	9.0	9.2	9.3	8.60	13.1	22.0	1.24
865.0	4:27	52.4	40	157	9.0	9.2	9.3	8.60	13.1	23.3	1.21
NEW BIT ID: 3											
878.0	0: 3	27.6	19	85	9.3	9.3	9.4	8.60	13.2	30.5	1.09
880.0	0: 7	29.0	23	88	9.3	9.3	9.4	8.60	13.2	26.8	1.14
882.0	1:55	30.1	24	89	9.3	9.3	9.4	8.60	13.2	26.1	1.14

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
560											
884.0	1:59	37.9	22	90	9.3	9.3	9.4	8.60	13.2	29.9	1.06
886.0	2: 9	75.3	22	73	9.3	9.3	9.5	8.60	13.2	39.2	.81
888.0	2:12	42.5	28	86	9.3	9.3	9.5	8.60	13.2	27.3	1.07
890.0	2:15	44.9	29	85	9.3	9.3	9.5	8.60	13.2	27.1	1.06
892.0	2:17	45.7	31	85	9.3	9.3	9.5	8.60	13.2	26.5	1.07
894.0	2:20	42.2	30	87	9.2	9.3	9.5	8.60	13.2	25.9	1.10
896.0	2:34	60.0	28	78	9.2	9.3	9.4	8.60	13.2	30.8	.95
898.0	2:37	37.7	28	89	9.2	9.3	9.4	8.60	13.2	24.5	1.14
900.0	2:40	39.1	32	89	9.2	9.3	9.4	8.60	13.2	22.4	1.17
902.0	2:43	41.5	33	88	9.2	9.3	9.4	8.60	13.2	22.5	1.16
578											
904.0	2:46	36.7	30	89	9.2	9.3	9.4	8.60	13.2	23.6	1.16
906.0	2:56	52.9	27	88	9.2	9.3	9.4	8.60	13.2	29.9	1.01
908.0	2:58	62.8	32	144	9.2	9.3	9.4	8.60	13.2	24.2	1.16
910.0	3: 0	57.5	29	145	9.2	9.3	9.4	8.60	13.2	25.4	1.16
912.0	3: 2	60.4	28	141	9.2	9.3	9.4	8.60	13.2	26.8	1.12
916.0	3:14	58.3	34	127	9.2	9.3	9.4	8.60	13.3	24.0	1.16
918.0	3:17	54.3	43	139	9.2	9.3	9.4	8.60	13.3	17.4	1.31
920.0	3:19	56.8	42	140	9.2	9.3	9.4	8.60	13.3	18.2	1.29
922.0	3:21	49.4	39	142	9.2	9.3	9.4	8.60	13.3	18.3	1.31
924.0	3:25	33.5	28	150	9.2	9.3	9.4	8.60	13.3	20.8	1.31
599											
926.0	3:35	41.5	31	126	9.2	9.3	9.4	8.60	13.3	22.0	1.23
928.0	3:38	51.0	29	132	9.2	9.3	9.4	8.60	13.3	24.1	1.19
930.0	3:40	53.7	29	132	9.2	9.3	9.4	8.60	13.3	25.7	1.15
932.0	3:42	53.4	27	132	9.1	9.3	9.4	8.60	13.3	26.6	1.13
934.0	3:51	95.3	30	134	9.1	9.3	9.4	8.60	13.3	30.3	1.00
936.0	3:53	60.7	38	137	9.1	9.2	9.4	8.60	13.3	21.1	1.22
938.0	3:55	51.1	35	138	9.1	9.2	9.4	8.60	13.3	20.7	1.25
940.0	3:58	47.3	31	139	9.1	9.2	9.3	8.60	13.3	21.9	1.24
942.0	4: 0	52.8	32	141	9.1	9.2	9.3	8.60	13.3	23.0	1.21
944.0	4:10	52.5	23	130	9.1	9.2	9.3	8.60	13.3	30.2	1.09
618											
946.0	4:12	48.2	22	139	9.1	9.2	9.3	8.60	13.3	29.1	1.13
948.0	4:15	52.1	23	138	9.1	9.2	9.3	8.60	13.3	29.4	1.11
950.0	4:17	42.3	20	140	9.1	9.2	9.3	8.60	13.3	30.3	1.13
954.0	4:27	64.7	25	136	9.1	9.2	9.3	8.60	13.3	30.2	1.07
956.0	4:29	55.4	28	138	9.1	9.2	9.3	8.60	13.4	26.4	1.15
958.0	4:32	54.4	28	139	9.1	9.2	9.3	8.60	13.4	26.3	1.16
960.0	4:34	51.2	27	140	9.1	9.2	9.3	8.60	13.4	26.6	1.16
962.0	4:44	48.2	29	140	9.1	9.2	9.3	8.60	13.4	23.9	1.22
964.0	4:46	53.5	29	143	9.1	9.2	9.3	8.60	13.4	25.0	1.19
966.0	4:48	51.2	27	144	9.1	9.2	9.3	8.60	13.4	26.1	1.18
639											
968.0	4:51	54.0	29	144	9.1	9.2	9.3	8.60	13.4	24.9	1.19
970.0	4:53	52.0	29	143	9.1	9.1	9.3	8.60	13.4	24.6	1.20
972.0	5: 1	46.0	35	136	9.1	9.1	9.3	8.60	13.4	20.3	1.29
974.0	5: 4	40.5	34	147	9.1	9.1	9.3	8.60	13.4	18.7	1.35
976.0	5: 7	43.1	34	145	9.1	9.1	9.3	8.60	13.4	20.1	1.31
978.0	5: 9	54.8	31	145	9.1	9.1	9.3	8.60	13.4	23.8	1.21
980.0	5:11	50.8	30	146	9.1	9.1	9.3	8.60	13.4	23.7	1.22
982.0	5:20	51.0	29	124	9.1	9.1	9.3	8.60	13.4	25.9	1.16
984.0	5:22	51.9	33	135	9.1	9.1	9.3	8.60	13.4	22.7	1.23
986.0	5:24	53.0	34	134	9.1	9.1	9.3	8.60	13.4	22.7	1.22
657											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
657											
988.0	5:27	48.8	32	135	9.1	9.1	9.3	8.60	13.4	23.0	1.23
990.0	5:29	47.1	31	134	9.1	9.1	9.3	8.60	13.4	23.0	1.23
992.0	5:38	41.6	31	138	9.1	9.1	9.3	8.60	13.4	22.0	1.27
994.0	5:41	45.5	34	142	9.1	9.1	9.3	8.60	13.4	20.9	1.29
996.0	5:43	52.3	33	142	9.1	9.1	9.3	8.60	13.4	22.6	1.24
998.0	5:46	44.6	36	141	9.1	9.1	9.3	8.60	13.5	19.7	1.32
1002.0	6: 0	35.0	27	125	9.1	9.1	9.3	8.60	13.5	23.3	1.25
1004.0	6: 3	46.6	33	143	9.1	9.1	9.3	8.60	13.5	21.6	1.28
1006.0	6: 7	36.3	34	144	9.1	9.1	9.3	8.60	13.5	17.4	1.41
1008.0	6:12	23.3	37	141	9.1	9.1	9.3	8.60	13.5	12.4	1.55
677											
1010.0	6:25	33.3	37	135	9.1	9.1	9.3	8.60	13.5	16.3	1.42
1012.0	6:30	24.3	40	133	9.1	9.1	9.3	8.60	13.5	11.7	1.55
1014.0	6:35	24.3	35	139	9.1	9.1	9.3	8.60	13.5	14.0	1.50
1016.0	6:40	23.0	34	139	9.1	9.1	9.3	8.60	13.5	14.1	1.51
1018.0	6:45	23.7	39	136	9.1	9.1	9.3	8.60	13.5	12.1	1.55
1020.0	6:56	36.2	41	135	9.1	9.1	9.3	8.60	13.5	15.6	1.43
1022.0	6:59	45.4	39	133	9.1	9.1	9.3	8.60	13.5	18.8	1.33
1024.0	7: 2	43.3	41	133	9.1	9.1	9.3	8.60	13.5	17.5	1.37
1026.0	7: 5	39.4	42	134	9.1	9.2	9.3	8.60	13.5	16.0	1.41
1028.0	7: 7	45.5	44	133	9.1	9.2	9.3	8.60	13.5	16.6	1.38
697											
1030.0	7:17	77.6	49	131	9.1	9.2	9.3	8.60	13.5	20.4	1.23
1032.0	7:19	59.7	45	139	9.1	9.2	9.3	8.60	13.5	18.8	1.31
1034.0	7:21	72.6	46	138	9.1	9.2	9.3	8.60	13.5	20.5	1.25
1036.0	7:23	66.0	48	140	9.1	9.2	9.3	8.60	13.5	19.0	1.30
1038.0	7:25	64.0	44	141	9.1	9.2	9.3	8.60	13.5	20.2	1.28
1040.0	7:32	59.4	48	128	9.1	9.2	9.3	8.60	13.5	18.6	1.31
1042.0	7:35	54.7	46	126	9.1	9.2	9.3	8.60	13.6	18.8	1.31
1044.0	7:37	45.9	46	126	9.1	9.2	9.3	8.60	13.6	16.9	1.37
1046.0	7:40	50.8	44	127	9.1	9.2	9.3	8.60	13.6	18.8	1.32
1050.0	7:53	46.4	47	129	9.1	9.2	9.3	8.60	13.6	16.2	1.40
717											
1052.0	7:55	66.4	45	137	9.1	9.2	9.3	8.60	13.6	20.4	1.27
1054.0	7:57	60.5	45	137	9.1	9.2	9.3	8.60	13.6	19.3	1.30
1056.0	7:59	57.3	45	138	9.1	9.2	9.3	8.60	13.6	19.2	1.31
1058.0	8: 7	74.6	45	139	9.1	9.2	9.3	8.60	13.6	21.6	1.23
1060.0	8: 9	65.0	52	142	9.1	9.2	9.3	8.60	13.6	18.2	1.34
1070.0	8:27	47.0	46	141	9.1	9.2	9.3	8.60	13.6	16.7	1.41
1072.0	8:30	43.4	47	143	9.1	9.2	9.3	8.60	13.6	15.5	1.45
1074.0	8:34	34.8	47	145	9.1	9.2	9.3	8.60	13.6	12.7	1.55
1076.0	8:36	46.4	46	139	9.1	9.2	9.3	8.60	13.6	17.2	1.40
1078.0	8:44	51.2	42	136	9.1	9.2	9.3	8.60	13.6	19.8	1.32
737											
1080.0	8:47	47.8	35	142	9.1	9.2	9.3	8.60	13.6	22.1	1.29
1082.0	8:50	38.0	35	145	9.1	9.2	9.3	8.60	13.6	19.8	1.37
1084.0	8:54	34.1	36	146	9.1	9.2	9.3	8.60	13.6	18.3	1.42
1086.0	8:57	32.5	35	147	9.1	9.2	9.3	8.60	13.6	18.2	1.42
1088.0	9: 7	28.5	36	145	9.1	9.2	9.3	8.60	13.7	16.5	1.48
1090.0	9:11	31.7	38	150	9.1	9.2	9.3	8.60	13.7	16.2	1.48
1092.0	9:15	28.7	37	151	9.1	9.2	9.3	8.60	13.7	15.5	1.50
1094.0	9:18	40.7	38	149	9.1	9.2	9.3	8.60	13.7	18.8	1.39
1096.0	9:20	46.8	35	149	9.1	9.2	9.3	8.60	13.7	21.6	1.32
1098.0	9:30	38.4	37	142	9.1	9.2	9.3	8.60	13.7	18.8	1.39
757											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
757											
1100.0	9:33	40.3	36	146	9.1	9.2	9.3	8.60	13.7	19.8	1.37
1102.0	9:36	37.8	39	146	9.1	9.2	9.3	8.60	13.7	17.7	1.43
1104.0	9:40	30.0	39	147	9.1	9.2	9.3	8.60	13.7	15.5	1.50
1106.0	9:49	39.6	40	141	9.1	9.2	9.3	8.60	13.7	17.7	1.42
1108.0	9:55	20.9	35	138	9.1	9.2	9.3	8.60	13.7	14.5	1.55
1110.0	10: 0	24.7	37	139	9.1	9.2	9.3	8.60	13.7	15.2	1.52
1112.0	10: 4	25.4	39	139	9.1	9.2	9.3	8.60	13.7	14.5	1.54
1114.0	10: 8	30.6	39	139	9.1	9.2	9.3	8.60	13.7	16.3	1.48
1116.0	10:19	36.1	42	137	9.1	9.2	9.3	8.60	13.7	16.5	1.45
1118.0	10:22	35.7	40	153	9.1	9.2	9.3	8.60	13.7	16.6	1.48
777											
1120.0	10:27	27.9	43	154	9.1	9.2	9.3	8.60	13.7	12.9	1.60
1122.0	10:33	19.7	43	155	9.1	9.2	9.3	8.60	13.7	9.7	1.71
1124.0	10:38	23.0	42	140	9.1	9.2	9.3	8.60	13.7	12.2	1.61
1126.0	10:50	36.7	45	130	9.1	9.2	9.3	8.60	13.7	14.2	1.53
1128.0	10:56	18.3	44	144	9.1	9.2	9.3	8.60	13.7	8.9	1.73
1130.0	11: 2	21.3	43	144	9.1	9.2	9.3	8.60	13.7	11.0	1.66
1132.0	11: 8	21.1	43	144	9.1	9.2	9.3	8.60	13.7	11.0	1.66
1134.0	11:13	25.6	41	145	9.1	9.2	9.3	8.60	13.7	13.8	1.58
1136.0	11:26	18.9	44	142	9.1	9.2	9.3	8.60	13.8	9.7	1.71
1154.0	12:58	23.9	45	133	9.1	9.2	9.3	8.60	13.8	12.5	1.61
797											
1156.0	13:11	32.4	43	147	9.1	9.2	9.3	8.60	13.8	15.5	1.53
1158.0	13:15	33.5	43	165	9.1	9.2	9.3	8.60	13.8	15.3	1.55
1160.0	13:20	28.6	43	175	9.1	9.2	9.3	8.60	13.8	12.7	1.62
1162.0	13:22	51.5	43	184	9.1	9.2	9.3	8.60	13.8	18.2	1.44
1170.0	13:23	33.0	43	186	9.1	9.2	9.3	8.60	13.8	14.1	1.59
1172.0	13:28	24.0	43	181	9.1	9.2	9.3	8.60	13.8	11.2	1.69
1174.0	13:45	16.6	42	136	9.1	9.2	9.3	8.60	13.8	10.3	1.71
1176.0	13:52	17.2	40	145	9.1	9.2	9.3	8.60	13.8	11.2	1.70
1178.0	13:59	18.0	41	145	9.1	9.2	9.2	8.60	13.8	10.7	1.71
1180.0	14:22	13.4	38	130	9.1	9.2	9.2	8.60	13.8	9.4	1.73
815											
1184.0	14:50	19.0	38	127	9.1	9.2	9.2	8.60	13.8	13.0	1.61
1186.0	14:58	15.7	40	132	9.1	9.2	9.2	8.60	13.9	10.0	1.71
1188.0	15: 6	15.8	41	134	9.1	9.2	9.3	8.60	13.9	9.9	1.71
1190.0	15:13	18.3	37	134	9.1	9.2	9.3	8.60	13.9	13.5	1.60
1192.0	15:33	16.2	38	127	9.1	9.2	9.3	8.60	13.9	12.0	1.65
1194.0	15:40	17.0	51	148	9.1	9.2	9.3	8.60	13.9	7.0	1.85
1196.0	15:46	22.5	54	165	9.1	9.2	9.2	8.60	13.9	8.2	1.83
1198.0	15:57	11.0	55	176	9.1	9.2	9.3	8.60	13.9	.8	2.13
1200.0	16: 8	10.8	50	145	9.1	9.2	9.3	8.60	13.9	3.2	2.00
1202.0	16:27	15.3	51	145	9.1	9.2	9.3	8.60	13.9	6.3	1.88
836											
1204.0	16:32	20.6	52	148	9.1	9.2	9.3	8.60	13.9	8.7	1.80
1206.0	16:38	21.6	51	150	9.1	9.2	9.3	8.60	13.9	9.5	1.77
1208.0	16:44	20.7	52	151	9.1	9.2	9.3	8.60	13.9	8.3	1.82
1210.0	16:50	21.4	54	151	9.1	9.2	9.3	8.60	13.9	8.6	1.81
1212.0	17: 2	20.9	49	133	9.1	9.2	9.3	8.60	13.9	11.1	1.71
1214.0	17: 8	22.0	53	153	9.1	9.2	9.3	8.60	13.9	9.2	1.79
1216.0	17:14	19.7	53	154	9.1	9.2	9.3	8.60	13.9	8.0	1.84
1218.0	17:23	13.2	55	155	9.1	9.2	9.3	8.60	13.9	3.8	2.01
1220.0	17:31	14.1	54	155	9.2	9.2	9.3	8.60	13.9	4.6	1.97
1222.0	17:46	14.2	50	146	9.2	9.2	9.3	8.60	13.9	6.6	1.88
856											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
856											
1224.0	17:54	14.5	47	154	9.2	9.2	9.3	8.60	13.9	7.6	1.86
1226.0	18: 2	15.6	47	153	9.2	9.2	9.3	8.60	13.9	8.5	1.83
1228.0	18:14	13.5	51	152	9.2	9.2	9.3	8.60	13.9	5.8	1.92
1230.0	18:21	17.9	51	159	9.2	9.2	9.3	8.60	14.0	8.1	1.84
1232.0	18:36	43.8	49	146	9.2	9.2	9.3	8.60	14.0	18.4	1.46
1234.0	18:45	13.6	52	157	9.2	9.2	9.3	8.60	14.0	5.6	1.94
1236.0	18:52	17.8	51	159	9.2	9.2	9.3	8.60	14.0	8.3	1.84
1238.0	19: 1	14.1	51	161	9.2	9.2	9.3	8.60	14.0	6.2	1.93
1239.0	19: 5	15.6	51	161	9.2	9.2	9.3	8.60	14.0	7.3	1.89
NEW BIT ID: 4											
1244.0	0:16	14.7	28	154	9.2	9.2	9.3	8.60	14.0	16.1	1.59
879											
1246.0	0:24	14.4	27	164	9.2	9.2	9.3	8.60	14.0	16.5	1.59
1248.0	0:32	14.9	30	152	9.2	9.2	9.3	8.60	14.0	15.5	1.61
1250.0	0:41	13.2	28	151	9.2	9.2	9.3	8.60	14.0	16.1	1.60
1252.0	0:50	14.0	32	150	9.2	9.2	9.3	8.60	14.1	13.0	1.65
1254.0	1: 0	12.3	29	155	9.2	9.2	9.3	8.60	14.1	14.4	1.65
1256.0	1: 9	12.8	43	158	9.2	9.2	9.3	8.60	14.1	7.7	1.85
1258.0	1:17	14.6	45	157	9.2	9.2	9.3	8.60	14.1	8.2	1.83
1260.0	1:25	15.0	45	157	9.2	9.2	9.3	8.60	14.1	8.5	1.82
1262.0	1:33	15.9	45	156	9.2	9.2	9.3	8.60	14.1	9.2	1.80
1264.0	1:41	15.0	45	156	9.2	9.2	9.3	8.60	14.1	8.6	1.82
899											
1266.0	1:48	15.5	45	157	9.2	9.2	9.3	8.60	14.1	9.0	1.81
1268.0	1:55	17.5	42	140	9.2	9.2	9.3	8.60	14.1	12.3	1.69
1270.0	2:15	19.3	41	141	9.1	9.2	9.3	8.60	14.1	13.4	1.65
1272.0	2:22	19.3	42	139	9.1	9.2	9.2	8.60	14.1	12.8	1.67
1274.0	2:28	19.0	41	140	9.1	9.2	9.2	8.60	14.1	12.7	1.68
1276.0	2:34	19.5	41	143	9.1	9.2	9.2	8.60	14.1	13.0	1.67
1278.0	2:40	20.0	41	146	9.1	9.2	9.2	8.60	14.1	13.2	1.66
1280.0	2:54	27.0	43	140	9.1	9.2	9.2	8.60	14.1	15.5	1.58
1282.0	2:59	20.9	45	146	9.1	9.2	9.2	8.60	14.1	12.1	1.70
1284.0	3: 6	19.2	42	149	9.1	9.2	9.2	8.60	14.1	12.3	1.70
919											
1286.0	3:12	20.0	43	150	9.1	9.2	9.2	8.60	14.1	12.3	1.70
1288.0	3:17	21.5	43	151	9.1	9.2	9.2	8.60	14.1	13.3	1.67
1292.0	3:33	23.8	44	147	9.1	9.2	9.3	8.60	14.1	14.2	1.64
1294.0	3:39	19.5	46	150	9.1	9.2	9.3	8.60	14.1	11.4	1.74
1296.0	3:45	18.6	45	151	9.1	9.2	9.3	8.60	14.1	11.1	1.75
1298.0	3:52	19.1	46	151	9.1	9.2	9.3	8.60	14.1	11.2	1.75
1300.0	4: 4	18.5	45	147	9.1	9.2	9.2	8.60	14.1	11.4	1.74
1302.0	4:10	19.7	46	152	9.1	9.2	9.2	8.60	14.1	11.4	1.74
1304.0	4:16	20.4	48	152	9.1	9.2	9.2	8.60	14.1	10.9	1.76
1306.0	4:22	19.4	48	152	9.1	9.2	9.2	8.60	14.1	10.6	1.77
939											
1308.0	4:36	20.7	46	147	9.1	9.2	9.2	8.60	14.2	12.1	1.72
1310.0	4:42	20.0	45	154	9.1	9.2	9.2	8.60	14.2	12.2	1.73
1312.0	4:48	21.7	44	157	9.1	9.2	9.2	8.60	14.2	13.3	1.69
1314.0	4:53	21.1	45	158	9.1	9.2	9.2	8.60	14.2	12.4	1.73
1316.0	4:59	20.9	45	159	9.1	9.2	9.2	8.60	14.2	12.7	1.72
1318.0	5:11	21.9	47	152	9.1	9.2	9.2	8.60	14.2	12.6	1.71
1320.0	5:16	22.8	48	167	9.1	9.2	9.2	8.60	14.2	12.0	1.75

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
953											
1322.0	5:21	23.4	48	167	9.1	9.2	9.2	8.60	14.2	12.1	1.74
1324.0	5:26	21.9	48	168	9.1	9.2	9.9	8.60	14.2	15.8	1.76
1328.0	5:43	20.9	45	165	9.1	9.2	9.3	8.60	14.2	12.6	1.74
1330.0	5:49	20.1	45	159	9.2	9.2	9.3	8.60	14.2	12.7	1.73
1332.0	5:56	18.4	44	154	9.2	9.2	9.3	8.60	14.2	12.3	1.75
1334.0	6: 2	18.3	46	151	9.2	9.2	9.3	8.60	14.2	12.0	1.75
1338.0	6:21	18.4	47	147	9.2	9.2	9.3	8.60	14.2	12.2	1.75
1340.0	6:27	19.0	48	151	9.2	9.2	9.3	8.60	14.2	12.0	1.76
1342.0	6:34	18.4	48	152	9.2	9.2	9.3	8.60	14.2	11.8	1.77
1344.0	6:40	19.3	46	153	9.2	9.2	9.3	8.60	14.2	12.7	1.74
975											
1346.0	6:52	19.0	46	152	9.2	9.2	9.3	8.60	14.2	12.7	1.74
1348.0	6:59	18.3	46	140	9.2	9.2	9.3	8.60	14.2	12.9	1.73
1350.0	7: 5	18.0	46	145	9.2	9.2	9.3	8.60	14.2	12.7	1.74
1352.0	7:12	18.2	45	146	9.2	9.2	9.3	8.60	14.2	13.4	1.72
1354.0	7:19	17.8	46	145	9.2	9.2	9.3	8.60	14.2	12.6	1.75
1356.0	7:34	16.2	45	139	9.2	9.2	9.3	8.60	14.2	12.3	1.75
1358.0	7:41	17.5	44	149	9.2	9.2	9.3	8.60	14.2	13.0	1.75
1360.0	7:48	17.4	44	149	9.2	9.2	9.3	8.60	14.2	12.9	1.75
1362.0	7:55	16.8	45	149	9.2	9.2	9.3	8.60	14.2	12.2	1.78
1364.0	8: 1	18.5	46	149	9.2	9.2	9.3	8.60	14.3	13.0	1.75
995											
1366.0	8:18	14.2	44	146	9.2	9.2	9.2	8.60	14.3	10.8	1.81
1368.0	8:25	15.9	40	154	9.2	9.2	9.3	8.60	14.3	14.1	1.73
1370.0	8:33	16.0	40	152	9.2	9.2	9.3	8.60	14.3	14.4	1.72
1372.0	8:41	15.0	41	151	9.2	9.2	9.3	8.60	14.3	13.2	1.76
1376.0	9: 1	15.8	42	151	9.2	9.2	9.3	8.60	14.3	13.6	1.75
1378.0	9: 8	17.9	45	154	9.2	9.2	9.3	8.60	14.3	13.5	1.75
1380.0	9:15	18.0	43	155	9.2	9.2	9.3	8.60	14.3	14.2	1.73
1382.0	9:22	18.6	43	155	9.2	9.2	9.3	8.60	14.3	14.5	1.72
1390.0	9:54	20.3	43	152	9.2	9.2	9.3	8.60	14.3	15.5	1.68
1392.0	10: 0	19.3	43	158	9.2	9.2	9.3	8.60	14.3	15.0	1.71
1015											
1394.0	10:13	20.2	42	148	9.2	9.2	9.3	8.60	14.3	54.0	3.76
1396.0	10:20	16.2	43	133	9.2	9.2	9.3	8.60	14.3	14.8	1.71
1398.0	10:27	17.9	47	146	9.2	9.2	9.3	8.60	14.3	13.5	1.76
1400.0	10:33	18.3	48	149	9.2	9.2	9.3	8.60	14.3	13.2	1.77
1402.0	10:40	16.5	48	148	9.2	9.2	9.3	8.60	14.3	12.5	1.80
1404.0	10:52	16.0	48	139	9.2	9.2	9.3	8.60	14.3	11.7	1.80
1406.0	11: 0	16.0	50	143	9.2	9.2	9.3	8.60	14.3	11.3	1.83
1408.0	11: 7	17.8	49	144	9.2	9.2	9.3	8.60	14.3	12.9	1.78
1410.0	11:14	17.6	49	143	9.2	9.2	9.3	8.60	14.3	12.9	1.79
1412.0	11:20	18.8	50	143	9.2	9.2	9.3	8.60	14.3	13.2	1.77
1035											
1416.0	11:38	19.1	45	141	9.2	9.2	9.3	8.60	14.3	15.3	1.70
1418.0	11:45	17.4	49	144	9.2	9.2	9.3	8.60	14.3	12.9	1.79
1420.0	11:52	17.4	51	145	9.2	9.2	9.3	8.60	14.3	12.5	1.81
1422.0	12: 3	19.3	46	130	9.2	9.2	9.3	8.60	14.4	15.8	1.68
1424.0	12:12	13.5	44	130	9.2	9.2	9.3	8.60	14.4	12.6	1.78
1426.0	12:20	16.0	43	143	9.2	9.2	9.3	8.60	14.4	14.7	1.74
1428.0	12:27	16.3	47	139	9.2	9.2	9.3	8.60	14.4	13.6	1.77
1430.0	12:35	16.2	47	140	9.2	9.2	9.3	8.60	14.4	13.5	1.78
1432.0	12:49	13.3	48	133	9.2	9.2	9.3	8.60	14.4	11.7	1.84
1434.0	12:57	15.4	50	137	9.2	9.2	9.3	8.60	14.4	12.2	1.83
1054											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1054											
1436.0	13: 5	15.6	50	140	9.2	9.2	9.3	8.60	14.4	12.1	1.83
1438.0	13:12	17.7	49	158	9.2	9.2	9.3	8.60	14.4	12.9	1.82
1440.0	13:18	18.5	49	169	9.2	9.2	9.3	8.60	14.4	13.0	1.83
1442.0	13:29	20.7	50	150	9.2	9.2	9.3	8.60	14.4	14.2	1.77
1444.0	13:35	19.5	51	159	9.2	9.2	9.3	8.60	14.4	13.3	1.81
1446.0	13:41	20.3	50	159	9.2	9.2	9.3	8.60	14.4	14.0	1.79
1448.0	13:47	19.7	50	160	9.2	9.2	9.3	8.60	14.4	13.9	1.79
1450.0	13:53	19.7	50	159	9.2	9.2	9.3	8.60	14.4	13.8	1.79
1452.0	14: 5	19.0	49	152	9.2	9.2	9.3	8.60	14.4	14.2	1.78
1454.0	14:12	18.0	49	161	9.2	9.2	9.3	8.60	14.4	13.4	1.82
1073											
1456.0	14:18	18.9	52	161	9.2	9.2	9.3	8.60	14.4	12.8	1.84
1458.0	14:24	18.3	51	162	9.2	9.2	9.3	8.60	14.4	12.8	1.84
1462.0	14:44	18.6	51	150	9.2	9.2	9.3	8.60	14.4	13.7	1.80
1464.0	14:50	19.1	48	145	9.2	9.2	9.3	8.60	14.4	15.2	1.74
1466.0	14:57	19.1	50	164	9.2	9.2	9.3	8.60	14.4	13.9	1.81
1468.0	15: 3	18.1	50	172	9.2	9.2	9.3	8.60	14.4	13.0	1.85
1470.0	15:16	17.8	49	165	9.2	9.2	9.3	8.60	14.4	13.6	1.82
1472.0	15:22	19.2	52	174	9.2	9.2	9.3	8.60	14.4	12.8	1.86
1474.0	15:28	18.9	54	175	9.2	9.2	9.3	8.60	14.4	12.2	1.89
1476.0	15:35	17.6	51	178	9.2	9.2	9.3	8.60	14.4	12.2	1.89
1094											
1478.0	15:42	18.4	52	178	9.2	9.2	9.3	8.60	14.4	12.3	1.89
1480.0	16: 0	16.9	52	168	9.2	9.2	9.3	8.60	14.5	11.9	1.89
1482.0	16: 7	18.6	53	179	9.2	9.2	9.3	8.60	14.5	12.2	1.90
1484.0	16:13	19.2	53	180	9.2	9.2	9.3	8.60	14.5	12.6	1.89
1486.0	16:19	19.7	54	180	9.2	9.2	9.3	8.60	14.5	12.6	1.89
1488.0	16:25	20.7	51	182	9.2	9.2	9.3	8.60	14.5	13.8	1.84
1490.0	16:37	21.2	53	172	9.2	9.2	9.3	8.60	14.5	13.8	1.83
1492.0	16:44	19.0	52	175	9.2	9.2	9.3	8.60	14.5	13.1	1.86
1494.0	16:50	19.7	51	176	9.2	9.2	9.3	8.60	14.5	13.7	1.84
1496.0	16:56	20.6	53	176	9.2	9.2	9.3	8.60	14.5	13.6	1.85
1114											
1498.0	17: 2	19.4	52	175	9.2	9.2	9.3	8.60	14.5	13.3	1.86
1500.0	17:15	19.2	52	176	9.2	9.2	9.3	8.60	14.5	13.5	1.85
1502.0	17:22	18.8	36	185	9.2	9.2	9.3	8.60	14.5	19.2	1.68
1504.0	17:28	18.1	36	185	9.2	9.2	9.3	8.60	14.5	19.0	1.69
1506.0	17:35	16.5	35	186	9.2	9.2	9.3	8.60	14.5	18.5	1.71
1508.0	17:49	15.0	34	182	9.2	9.2	9.3	8.60	14.5	18.3	1.72
1510.0	17:56	18.2	42	173	9.2	9.2	9.3	8.60	14.5	17.0	1.75
1512.0	18: 2	19.1	48	178	9.2	9.2	9.3	8.60	14.5	14.6	1.83
1514.0	18: 8	20.0	49	178	9.2	9.2	9.3	8.60	14.5	14.9	1.82
1516.0	18:14	21.1	49	179	9.2	9.2	9.3	8.60	14.5	15.5	1.80
1133											
1518.0	18:26	21.5	46	179	9.2	9.2	9.3	8.60	14.5	16.7	1.76
1520.0	18:32	19.8	50	172	9.2	9.2	9.3	8.60	14.5	14.9	1.82
1522.0	18:38	19.7	49	186	9.2	9.2	9.3	8.60	14.5	14.9	1.83
1524.0	18:44	20.1	48	184	9.2	9.2	9.3	8.60	14.5	15.3	1.82
1526.0	18:51	18.5	49	179	9.2	9.2	9.3	8.60	14.5	14.4	1.85
1528.0	19: 7	20.2	48	173	9.2	9.2	9.3	8.60	14.5	15.4	1.80
1530.0	19:13	19.5	51	178	9.2	9.2	9.3	8.60	14.5	14.3	1.85
1532.0	19:19	19.1	51	180	9.2	9.2	9.3	8.60	14.5	14.0	1.86
1534.0	19:25	20.7	51	182	9.2	9.2	9.3	8.60	14.5	14.7	1.84
1536.0	19:31	19.0	50	180	9.2	9.2	9.3	8.60	14.5	13.9	1.85-
1153											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1153											
1538.0	19:45	19.2	48	167	9.2	9.2	9.3	8.60	14.5	15.5	1.80
1540.0	19:51	18.4	50	171	9.2	9.2	9.3	8.60	14.6	14.3	1.85
1542.0	19:57	20.5	51	173	9.2	9.2	9.3	8.60	14.6	15.1	1.82
1544.0	20: 3	21.5	49	174	9.2	9.2	9.3	8.60	14.6	16.1	1.79
1546.0	20: 8	22.0	50	173	9.2	9.2	9.3	8.60	14.6	16.3	1.78
1548.0	20:19	20.8	50	158	9.2	9.2	9.3	8.60	14.6	16.2	1.77
1550.0	20:25	21.6	50	173	9.2	9.2	9.3	8.60	14.6	16.1	1.78
1552.0	20:33	15.9	50	186	9.2	9.2	9.3	8.60	14.6	12.5	1.94
1554.0	20:45	10.1	51	188	9.2	9.2	9.3	8.60	14.6	8.7	2.10
1556.0	21: 0	13.0	50	171	9.2	9.2	9.3	8.60	14.6	11.5	1.97
1173											
1558.0	21:11	11.9	51	179	9.2	9.2	9.3	8.60	14.6	10.2	2.03
1560.0	21:22	10.4	46	181	9.2	9.2	9.3	8.60	14.6	10.7	2.02
1562.0	21:33	10.6	49	179	9.2	9.2	9.3	8.60	14.6	10.0	2.05
1564.0	21:44	10.9	50	179	9.2	9.2	9.3	8.60	14.6	9.9	2.05
1566.0	22: 1	10.8	49	174	9.2	9.2	9.3	8.60	14.6	10.2	2.04
1568.0	22:11	11.8	50	172	9.2	9.2	9.3	8.60	14.6	10.8	2.01
1570.0	22:20	12.8	50	176	9.2	9.2	9.3	8.60	14.6	11.3	2.00
1572.0	22:31	11.2	50	177	9.2	9.2	9.3	8.60	14.6	10.1	2.05
1574.0	22:41	11.8	53	176	9.2	9.2	9.3	8.60	14.6	10.1	2.05
1576.0	22:58	12.3	51	172	9.2	9.2	9.3	8.60	14.6	11.1	2.01
1193											
1578.0	23: 7	13.0	51	181	9.2	9.2	9.3	8.60	14.6	11.4	2.01
1580.0	23:17	12.5	50	184	9.2	9.2	9.3	8.60	14.6	11.4	2.01
1582.0	23:27	11.7	50	175	9.2	9.2	9.3	8.60	14.6	11.0	2.02
1584.0	23:37	11.8	51	172	9.2	9.2	9.3	8.60	14.6	10.7	2.03
1586.0	23:56	11.4	44	170	9.2	9.2	9.3	8.60	14.6	12.9	1.94
1588.0	0: 8	9.9	41	172	9.2	9.2	9.3	8.60	14.6	13.0	1.94
1590.0	0:20	10.6	44	178	9.2	9.2	9.3	8.60	14.6	12.2	1.99
1592.0	0:30	11.0	49	181	9.2	9.2	9.3	8.60	14.6	10.9	2.04
1594.0	0:41	11.3	47	174	9.2	9.2	9.3	8.60	14.6	11.9	2.00
1596.0	0:58	10.7	47	164	9.2	9.2	9.3	8.60	14.6	11.8	1.99
1213											
1598.0	1: 8	12.2	49	167	9.2	9.2	9.3	8.60	14.6	12.4	1.97
1600.0	1:18	12.4	50	167	9.2	9.2	9.3	8.60	14.7	12.1	1.99
1602.0	1:28	11.5	48	168	9.2	9.2	9.3	8.60	14.7	12.4	1.98
1603.0	1:33	12.0	47	168	9.2	9.2	9.3	8.60	14.7	12.8	1.96
NEW BIT ID: 5											
1604.0	8:22	18.0	33	124	9.2	9.2	9.3	8.60	14.7	22.3	1.53
1606.0	8:33	14.5	33	136	9.2	9.2	9.3	8.60	14.7	18.6	1.68
1608.0	8:39	20.7	33	148	9.2	9.2	9.3	8.60	14.7	22.7	1.54
1610.0	8:45	20.1	34	148	9.2	9.2	9.3	8.60	14.7	22.1	1.56
1612.0	8:51	20.8	35	148	9.2	9.2	9.3	8.60	14.7	21.8	1.57
1614.0	8:57	19.3	35	149	9.2	9.2	9.3	8.60	14.7	21.4	1.59
1235											
1616.0	9: 9	23.0	34	136	9.2	9.2	9.3	8.60	14.7	24.1	1.49
1618.0	9:15	20.9	39	136	9.2	9.2	9.3	8.60	14.7	21.0	1.58
1620.0	9:21	21.1	39	137	9.2	9.2	9.3	8.60	14.7	21.2	1.58
1622.0	9:27	20.5	38	137	9.2	9.2	9.3	8.60	14.7	21.3	1.58
1624.0	9:40	17.8	36	136	9.2	9.2	9.3	8.60	14.7	21.0	1.59
1626.0	9:47	15.7	40	134	9.2	9.2	9.3	8.60	14.7	17.7	1.68
1628.0	9:55	16.5	38	140	9.2	9.2	9.3	8.60	14.7	19.1	1.66

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1249											
1630.0	10: 1	19.3	40	145	9.2	9.2	9.3	8.60	14.7	19.6	1.65
1632.0	10: 7	20.1	39	145	9.2	9.2	9.3	8.60	14.7	20.6	1.62
1634.0	10:19	22.1	40	142	9.2	9.2	9.3	8.60	14.7	21.0	1.59
1636.0	10:23	29.7	40	142	9.2	9.2	9.3	8.60	14.7	24.0	1.49
1638.0	10:28	26.8	38	144	9.2	9.2	9.4	8.60	14.7	23.7	1.51
1640.0	10:32	25.8	39	145	9.2	9.2	9.4	8.60	14.7	23.3	1.53
1642.0	10:46	18.9	38	145	9.2	9.2	9.3	8.60	14.7	20.6	1.62
1644.0	10:51	22.0	41	147	9.2	9.2	9.3	8.60	14.7	20.6	1.61
1646.0	10:56	23.3	39	151	9.2	9.2	9.3	8.60	14.7	22.1	1.58
1648.0	11: 1	23.6	36	153	9.2	9.2	9.3	8.60	14.7	23.7	1.54
1269											
1650.0	11: 7	21.6	38	149	9.2	9.2	9.3	8.60	14.7	21.8	1.59
1652.0	11:16	26.4	37	140	9.2	9.2	9.4	8.60	14.7	24.6	1.49
1654.0	11:21	24.5	41	153	9.2	9.2	9.4	8.60	14.7	22.0	1.58
1656.0	11:25	25.9	42	156	9.2	9.2	9.4	8.60	14.7	21.7	1.59
1658.0	11:30	26.9	41	157	9.2	9.2	9.4	8.60	14.7	22.5	1.57
1660.0	11:35	26.1	39	158	9.0	9.1	9.3	8.60	14.7	23.0	1.56
1662.0	11:44	25.8	36	130	9.0	9.1	9.3	8.60	14.8	25.1	1.47
1664.0	11:49	22.7	39	146	9.0	9.1	9.2	8.60	14.8	21.7	1.60
1666.0	11:54	25.3	42	156	9.0	9.1	9.2	8.60	14.8	21.5	1.62
1668.0	11:59	23.6	41	158	9.0	9.1	9.2	8.60	14.8	20.9	1.64
1287											
1670.0	12: 4	22.7	40	159	9.0	9.1	9.1	8.60	14.8	20.7	1.66
1672.0	12:17	22.4	40	135	9.0	9.1	9.1	8.60	14.8	21.5	1.61
1674.0	12:22	27.6	41	163	9.0	9.1	9.1	8.60	14.8	21.8	1.62
1676.0	12:26	25.1	44	162	9.0	9.1	9.1	8.60	14.8	20.2	1.67
1678.0	12:31	23.9	45	162	9.0	9.1	9.1	8.60	14.8	19.2	1.71
1680.0	12:37	22.5	44	163	9.0	9.1	9.2	8.60	14.8	19.2	1.72
1682.0	12:49	24.4	44	164	9.0	9.1	9.1	8.60	14.8	19.7	1.68
1684.0	12:54	22.1	44	165	9.0	9.1	9.1	8.60	14.8	18.9	1.73
1686.0	12:59	24.1	45	166	9.0	9.1	9.1	8.60	14.8	19.6	1.71
1688.0	13: 5	23.0	42	154	9.0	9.1	9.1	8.60	14.8	20.5	1.67
1306											
1690.0	13:17	20.4	43	137	9.0	9.1	9.1	8.60	14.8	19.7	1.68
1692.0	13:24	18.9	39	140	9.0	9.1	9.1	8.60	14.8	20.6	1.67
1694.0	13:29	21.4	40	141	9.0	9.1	9.1	8.60	14.8	21.2	1.64
1696.0	13:36	18.0	40	142	9.0	9.1	9.1	8.60	14.8	19.7	1.70
1698.0	13:42	20.4	39	143	9.0	9.1	9.1	8.60	14.8	21.2	1.65
1700.0	13:54	24.9	41	133	9.0	9.1	9.1	8.60	14.8	23.0	1.57
1702.0	13:59	21.9	37	136	9.0	9.1	9.1	8.60	14.8	22.9	1.58
1704.0	14: 5	20.7	39	138	9.0	9.1	9.1	8.60	14.8	21.8	1.62
1706.0	14:10	21.8	40	137	9.0	9.1	9.1	8.60	14.8	22.0	1.62
1708.0	14:15	29.3	39	135	9.0	9.1	9.2	8.60	14.8	25.2	1.50
1326											
1710.0	14:25	27.2	35	132	9.0	9.1	9.2	8.60	14.8	26.6	1.46
1712.0	14:30	24.5	40	133	9.0	9.1	9.2	8.60	14.8	23.5	1.56
1714.0	14:35	25.0	40	134	9.0	9.1	9.2	8.60	14.8	23.8	1.56
1716.0	14:39	24.7	39	135	9.0	9.1	9.2	8.60	14.8	23.8	1.56
1718.0	14:45	21.8	38	137	9.0	9.1	9.2	8.60	14.8	23.3	1.59
1720.0	14:57	23.4	37	136	9.0	9.1	9.2	8.60	14.8	24.6	1.54
1722.0	15: 3	23.2	39	136	9.0	9.1	9.2	8.60	14.8	23.4	1.58
1724.0	15: 8	23.1	40	138	9.0	9.1	9.2	8.60	14.8	23.0	1.60
1726.0	15:12	28.5	39	139	9.0	9.1	9.2	8.60	14.9	25.2	1.52
1732.0	15:27	24.2	37	136	9.0	9.1	9.2	8.60	14.9	25.0	1.54
1346											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1346											
1734.0	15:32	25.0	39	137	9.0	9.1	9.2	8.60	14.9	24.4	1.56
1736.0	15:38	22.7	36	137	9.0	9.1	9.2	8.60	14.9	25.1	1.55
1738.0	15:42	26.2	39	137	9.0	9.1	9.2	8.60	14.9	25.2	1.53
1740.0	15:56	22.8	40	137	9.0	9.1	9.2	8.60	14.9	23.3	1.60
1742.0	16: 1	23.8	41	137	9.0	9.1	9.2	8.60	14.9	23.2	1.60
1744.0	16: 5	28.2	43	137	9.0	9.1	9.2	8.60	14.9	24.1	1.56
1746.0	16:10	24.6	40	138	9.0	9.1	9.2	8.60	14.9	24.1	1.57
1748.0	16:22	23.4	39	139	9.0	9.1	9.2	8.60	14.9	23.8	1.59
1750.0	16:27	22.7	39	126	9.0	9.1	9.2	8.60	14.9	24.2	1.57
1752.0	16:33	21.6	39	131	9.0	9.1	9.2	8.60	14.9	23.7	1.59
1366											
1754.0	16:38	24.0	39	132	9.0	9.1	9.2	8.60	14.9	24.8	1.55
1756.0	16:43	25.5	41	144	9.0	9.1	9.2	8.60	14.9	23.7	1.60
1758.0	16:55	21.8	37	141	9.0	9.1	9.2	8.60	14.9	24.3	1.59
1760.0	16:59	26.8	47	139	9.0	9.1	9.2	8.60	14.9	22.5	1.63
1762.0	17: 3	35.2	48	159	9.0	9.1	9.2	8.60	14.9	23.8	1.59
1764.0	17: 6	36.1	49	168	9.0	9.1	9.2	8.60	14.9	23.5	1.61
1766.0	17:10	34.6	50	168	9.0	9.1	9.2	8.60	14.9	22.6	1.64
1768.0	17:18	39.6	45	150	9.0	9.1	9.2	8.60	14.9	26.2	1.49
1770.0	17:22	33.5	50	159	9.0	9.1	9.2	8.60	14.9	22.9	1.63
1772.0	17:25	41.2	47	171	9.0	9.1	9.2	8.60	14.9	25.2	1.55
1386											
1774.0	17:28	36.8	49	174	9.0	9.1	9.2	8.60	14.9	23.5	1.62
1776.0	17:32	28.6	44	146	9.0	9.1	9.2	8.60	14.9	24.1	1.58
1778.0	17:43	27.0	43	126	9.0	9.1	9.2	8.60	14.9	25.0	1.54
1780.0	17:47	25.6	43	137	9.0	9.1	9.2	8.60	14.9	24.1	1.59
1782.0	17:51	29.5	42	144	9.0	9.1	9.2	8.60	14.9	25.4	1.55
1784.0	17:56	26.2	42	145	9.0	9.1	9.2	8.60	14.9	24.2	1.59
1786.0	18: 8	27.7	43	139	9.0	9.1	9.2	8.60	14.9	24.7	1.57
1788.0	18:12	32.9	41	144	9.0	9.1	9.2	8.60	14.9	26.7	1.50
1790.0	18:16	25.9	43	145	9.0	9.1	9.2	8.60	15.0	24.0	1.60
1792.0	18:21	28.5	44	136	9.0	9.1	9.2	8.60	15.0	24.8	1.56
1406											
1794.0	18:25	25.4	41	138	9.0	9.1	9.2	8.60	15.0	24.7	1.58
1796.0	18:38	30.7	40	131	9.0	9.1	9.2	8.60	15.0	27.1	1.49
1798.0	18:42	27.0	41	134	9.0	9.1	9.2	8.60	15.0	25.6	1.55
1800.0	18:47	27.3	44	134	9.0	9.1	9.2	8.60	15.0	24.7	1.57
1802.0	18:50	33.7	43	137	9.0	9.1	9.2	8.60	15.0	26.6	1.50
1804.0	18:54	30.7	43	142	9.0	9.1	9.2	8.60	15.0	25.8	1.54
1806.0	19: 5	26.0	42	142	9.0	9.1	9.2	8.60	15.0	24.8	1.59
1808.0	19: 9	31.4	41	144	9.0	9.1	9.2	8.60	15.0	26.7	1.52
1810.0	19:14	26.3	43	144	9.0	9.1	9.2	8.60	15.0	24.5	1.60
1812.0	19:18	28.5	43	144	9.0	9.1	9.2	8.60	15.0	25.2	1.57
1426											
1814.0	19:23	24.8	42	145	9.0	9.1	9.2	8.60	15.0	24.1	1.62
1816.0	19:34	27.8	38	144	9.0	9.1	9.2	8.60	15.0	26.8	1.53
1818.0	19:39	23.4	40	144	9.0	9.1	9.2	8.60	15.0	24.7	1.61
1820.0	19:43	27.5	39	145	9.0	9.1	9.2	8.60	15.0	26.2	1.55
1822.0	19:48	27.4	44	144	9.0	9.1	9.2	8.60	15.0	24.4	1.60
1826.0	20: 4	29.8	47	145	9.0	9.1	9.2	8.60	15.0	24.3	1.61
1828.0	20: 8	30.1	46	146	9.0	9.1	9.2	8.60	15.0	24.6	1.60
1830.0	20:13	26.7	49	146	9.0	9.1	9.2	8.60	15.0	22.5	1.68
1832.0	20:16	32.9	49	146	9.0	9.1	9.2	8.60	15.0	24.4	1.60
1834.0	20:30	31.8	47	144	9.0	9.1	9.2	8.60	15.0	24.9	1.58
1447											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1447											
1836.0	20:34	26.0	43	141	9.0	9.1	9.2	8.60	15.0	24.9	1.60
1838.0	20:40	22.1	39	118	9.0	9.1	9.2	8.60	15.0	26.2	1.55
1840.0	20:44	27.2	44	138	9.0	9.1	9.2	8.60	15.0	25.3	1.58
1842.0	20:49	28.0	42	152	9.0	9.1	9.2	8.60	15.0	25.6	1.59
1844.0	21: 2	36.5	44	144	9.0	9.1	9.2	8.60	15.0	27.6	1.50
1846.0	21: 7	25.9	42	143	9.0	9.1	9.2	8.60	15.0	25.1	1.60
1848.0	21:10	32.2	43	143	9.0	9.1	9.2	8.60	15.0	26.7	1.54
1850.0	21:15	26.8	40	145	9.0	9.1	9.2	8.60	15.0	26.5	1.56
1852.0	21:18	33.8	45	144	9.0	9.1	9.2	8.60	15.0	26.7	1.54
1854.0	21:36	29.4	42	142	9.0	9.1	9.2	8.60	15.1	26.5	1.55
1466											
1856.0	21:40	32.4	47	138	9.0	9.1	9.2	8.60	15.1	25.7	1.57
1858.0	21:44	31.3	45	139	9.0	9.1	9.2	8.60	15.1	26.1	1.56
1860.0	21:48	32.8	46	140	9.0	9.1	9.2	8.60	15.1	26.3	1.55
1862.0	21:51	33.0	46	140	9.0	9.1	9.2	8.60	15.1	26.1	1.56
1864.0	22: 5	31.1	48	142	9.0	9.1	9.2	8.60	15.1	25.1	1.60
1866.0	22: 9	31.5	45	147	9.0	9.1	9.2	8.60	15.1	25.9	1.58
1868.0	22:12	32.8	44	148	9.0	9.1	9.2	8.60	15.1	26.8	1.55
1870.0	22:22	29.2	42	144	9.0	9.1	9.2	8.60	15.1	26.6	1.56
1872.0	22:29	29.7	45	138	9.0	9.1	9.1	8.60	15.1	25.6	1.58
1874.0	22:40	26.7	42	135	9.0	9.1	9.2	8.60	15.1	26.2	1.57
1486											
1876.0	22:44	29.0	42	143	9.0	9.1	9.2	8.60	15.1	26.7	1.56
1878.0	22:48	28.7	44	142	9.0	9.1	9.2	8.60	15.1	26.0	1.58
1880.0	22:52	34.0	44	142	9.0	9.1	9.2	8.60	15.1	27.3	1.53
1882.0	23: 4	29.1	46	142	9.0	9.1	9.2	8.60	15.1	25.6	1.60
1884.0	23: 8	31.6	45	139	9.0	9.1	9.2	8.60	15.1	26.8	1.55
1886.0	23:12	32.6	46	141	9.0	9.1	9.2	8.60	15.1	26.7	1.55
1888.0	23:16	30.5	45	141	9.0	9.1	9.2	8.60	15.1	26.4	1.57
1890.0	23:19	31.1	44	141	9.0	9.1	9.2	8.60	15.1	27.0	1.55
1892.0	23:30	31.6	45	142	9.0	9.1	9.2	8.60	15.1	26.6	1.56
1894.0	23:34	34.3	48	150	9.0	9.1	9.2	8.60	15.1	26.0	1.58
1506											
1896.0	23:39	25.2	43	151	9.0	9.1	9.2	8.60	15.1	24.6	1.64
1898.0	23:43	31.0	44	156	9.0	9.1	9.2	8.60	15.1	26.2	1.59
1900.0	23:47	27.3	35	165	9.0	9.1	9.2	8.60	15.1	28.7	1.54
1902.0	23:58	31.1	44	151	9.0	9.1	9.2	8.60	15.1	26.5	1.58
1904.0	0: 1	35.0	44	143	9.0	9.1	9.2	8.60	15.1	28.1	1.51
1906.0	0: 5	29.8	47	142	9.0	9.1	9.2	8.60	15.1	25.8	1.60
1908.0	0:10	27.9	43	144	9.0	9.1	9.2	8.60	15.1	26.6	1.58
1910.0	0:14	28.2	45	144	9.0	9.1	9.2	8.60	15.1	26.2	1.59
1912.0	0:23	26.2	44	130	9.0	9.1	9.2	8.60	15.1	26.2	1.58
1914.0	0:28	24.8	44	137	9.0	9.1	9.2	8.60	15.1	25.7	1.61
1525											
1916.0	0:33	26.0	42	138	9.0	9.1	9.2	8.60	15.1	26.6	1.58
1918.0	0:38	24.4	42	138	9.0	9.1	9.2	8.60	15.1	26.2	1.60
1920.0	0:51	30.2	38	132	9.0	9.1	9.2	8.60	15.2	29.8	1.47
1922.0	0:55	30.0	43	164	9.0	9.1	9.2	8.60	15.2	26.6	1.61
1924.0	0:58	34.2	45	163	9.0	9.1	9.2	8.60	15.2	27.1	1.58
1926.0	1: 3	25.5	43	159	9.0	9.1	9.2	8.60	15.2	25.7	1.64
1928.0	1: 7	31.1	45	158	9.0	9.1	9.2	8.60	15.2	26.5	1.60
1930.0	1:17	22.7	40	147	9.0	9.1	9.2	8.60	15.2	26.1	1.63
1932.0	1:22	23.1	40	151	9.0	9.1	9.2	8.60	15.2	26.1	1.63
1934.0	1:27	23.2	40	152	9.0	9.1	9.2	8.60	15.2	26.3	1.63
1545											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1545											
1936.0	1:33	22.9	40	152	9.0	9.1	9.2	8.60	15.2	26.1	1.63
1938.0	1:37	26.8	40	152	9.0	9.1	9.2	8.60	15.2	27.5	1.58
1940.0	1:47	31.2	40	141	9.0	9.1	9.2	8.60	15.2	29.0	1.51
1942.0	1:52	23.1	41	136	9.0	9.1	9.2	8.60	15.2	26.5	1.60
1944.0	1:57	23.8	44	137	9.0	9.1	9.2	8.60	15.2	25.6	1.63
1946.0	2: 3	21.1	40	138	9.0	9.1	9.2	8.60	15.2	26.0	1.63
1948.0	2: 8	22.3	43	138	9.0	9.1	9.2	8.60	15.2	25.5	1.65
1952.0	2:23	24.4	44	147	9.0	9.1	9.2	8.60	15.2	25.7	1.64
1954.0	2:28	27.9	43	150	9.0	9.1	9.2	8.60	15.2	26.9	1.60
1956.0	2:32	27.4	44	153	9.0	9.1	9.2	8.60	15.2	26.6	1.61
1565											
1958.0	2:47	24.6	42	149	9.0	9.1	9.2	8.60	15.2	26.4	1.62
1960.0	2:52	25.9	43	152	9.0	9.1	9.2	8.60	15.2	26.3	1.63
1962.0	2:57	24.4	41	152	9.0	9.1	9.2	8.60	15.2	26.6	1.62
1964.0	3: 2	24.3	43	152	9.0	9.1	9.2	8.60	15.2	25.8	1.65
1966.0	3:18	23.8	40	151	9.0	9.1	9.2	8.60	15.2	26.7	1.62
1968.0	3:19	27.2	36	153	9.0	9.1	9.2	8.60	15.2	29.3	1.53
1970.0	3:23	26.8	43	151	9.0	9.1	9.2	8.60	15.2	26.7	1.62
1972.0	3:28	25.0	45	152	9.0	9.1	9.2	8.60	15.2	25.5	1.66
1978.0	3:41	28.2	46	149	9.0	9.1	9.2	8.60	15.2	26.4	1.62
1980.0	3:45	28.4	44	153	9.0	9.1	9.2	8.60	15.2	27.0	1.61
1585											
1982.0	3:50	26.6	44	153	9.0	9.1	9.2	8.60	15.2	26.4	1.64
1984.0	3:55	22.8	45	155	9.0	9.1	9.2	8.60	15.2	25.1	1.69
1986.0	3:59	29.1	45	155	9.0	9.1	9.2	8.60	15.2	26.8	1.62
1988.0	4:10	23.9	46	149	9.0	9.1	9.2	8.60	15.3	25.3	1.68
1990.0	4:15	26.0	40	153	9.0	9.1	9.2	8.60	15.3	27.8	1.60
1992.0	4:19	25.1	44	152	9.0	9.1	9.2	8.60	15.3	26.1	1.65
1994.0	4:24	27.8	43	153	9.0	9.1	9.2	8.60	15.3	27.4	1.60
1996.0	4:29	24.2	43	153	9.0	9.1	9.2	8.60	15.3	26.4	1.65
1998.0	4:39	26.8	45	148	9.0	9.1	9.2	8.60	15.3	26.7	1.63
2000.0	4:43	29.0	44	153	9.0	9.1	9.2	8.60	15.3	27.5	1.60
1605											
2002.0	4:47	29.1	45	153	9.0	9.1	9.2	8.60	15.3	27.3	1.61
2004.0	4:52	25.4	43	155	9.0	9.1	9.2	8.60	15.3	26.6	1.64
2006.0	5: 2	26.8	42	150	9.0	9.1	9.2	8.60	15.3	27.7	1.60
2008.0	5: 7	25.8	45	154	9.0	9.1	9.2	8.60	15.3	26.4	1.65
2010.0	5:11	25.0	44	156	9.0	9.1	9.2	8.60	15.3	26.1	1.67
2012.0	5:16	28.1	43	157	9.0	9.1	9.2	8.60	15.3	27.6	1.61
2014.0	5:20	25.8	43	159	9.0	9.1	9.2	8.60	15.3	26.9	1.64
2016.0	5:29	31.0	45	147	9.0	9.1	9.2	8.60	15.3	28.3	1.57
2018.0	5:35	21.9	42	146	9.0	9.1	9.2	8.60	15.3	26.4	1.66
2020.0	5:40	21.9	42	148	9.0	9.1	9.2	8.60	15.3	26.4	1.66
1625											
2022.0	5:45	25.9	46	147	9.0	9.1	9.2	8.60	15.3	26.4	1.65
2024.0	6: 0	22.6	45	131	9.0	9.1	9.1	8.60	15.3	26.1	1.66
2026.0	6: 4	24.0	43	136	9.0	9.1	9.2	8.60	15.3	27.3	1.62
2028.0	6: 9	23.7	47	135	9.0	9.1	9.2	8.60	15.3	26.0	1.67
2030.0	6:15	20.3	43	138	9.0	9.1	9.2	8.60	15.3	25.7	1.69
2032.0	6:20	25.3	43	138	9.0	9.1	9.2	8.60	15.3	27.6	1.61
2034.0	6:25	21.7	45	138	9.0	9.1	9.2	8.60	15.3	25.7	1.68
2038.0	6:41	24.4	45	145	9.0	9.1	9.2	8.60	15.3	26.7	1.65
2040.0	6:47	22.8	45	160	9.0	9.1	9.2	8.60	15.3	25.4	1.72
2042.0	6:51	24.4	46	160	9.0	9.1	9.2	8.60	15.3	25.9	1.70
1646											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
1646											
2044.0	6:56	27.9	45	160	9.0	9.1	9.2	8.60	15.3	27.3	1.64
2046.0	7: 7	25.4	42	150	9.0	9.1	9.2	8.60	15.3	27.7	1.63
2048.0	7:13	20.6	35	152	9.1	9.1	9.2	8.60	15.3	29.1	1.60
2050.0	7:19	17.9	34	153	9.1	9.1	9.2	8.60	15.3	28.0	1.64
2052.0	7:26	20.5	36	148	9.1	9.1	9.2	8.60	15.3	28.5	1.61
2054.0	7:36	22.7	35	146	9.1	9.1	9.2	8.60	15.3	29.9	1.56
2056.0	7:42	19.8	40	153	9.1	9.1	9.2	8.60	15.4	26.6	1.68
2058.0	7:48	22.5	38	160	9.1	9.1	9.2	8.60	15.4	28.5	1.62
2060.0	7:53	25.4	39	157	9.1	9.1	9.2	8.60	15.4	29.3	1.58
2062.0	7:58	23.4	38	158	9.1	9.1	9.2	8.60	15.4	29.1	1.60
1666											
2066.0	8:16	25.2	37	153	9.1	9.1	9.2	8.60	15.4	30.1	1.55
2068.0	8:22	20.7	38	151	9.1	9.1	9.2	8.60	15.4	28.2	1.63
2070.0	8:28	19.7	37	151	9.1	9.1	9.2	8.60	15.4	28.2	1.63
2072.0	8:34	22.0	38	151	9.1	9.1	9.2	8.60	15.4	28.9	1.60
2076.0	8:51	20.2	39	138	9.1	9.1	9.2	8.60	15.4	28.3	1.62
2078.0	8:57	21.5	38	147	9.1	9.1	9.2	8.60	15.4	29.0	1.60
2080.0	9: 2	20.9	38	146	9.1	9.1	9.2	8.60	15.4	28.7	1.61
2082.0	9: 8	20.1	39	147	9.1	9.1	9.2	8.60	15.4	27.9	1.64
2086.0	9:25	20.8	39	150	9.1	9.1	9.2	8.60	15.4	28.1	1.64
2088.0	9:31	20.6	36	164	9.1	9.1	9.2	8.60	15.4	28.7	1.63
1688											
2090.0	9:36	23.5	37	163	9.1	9.1	9.2	8.60	15.4	29.7	1.59
2092.0	9:42	23.1	38	164	9.1	9.1	9.2	8.60	15.4	29.0	1.62
2094.0	9:53	23.5	40	158	9.1	9.1	9.2	8.60	15.4	28.8	1.62
2096.0	9:58	23.1	36	165	9.1	9.1	9.2	8.60	15.4	30.0	1.59
2098.0	10: 3	24.4	36	166	9.1	9.1	9.3	8.60	15.4	30.5	1.57
2100.0	10: 8	24.6	39	156	9.1	9.1	9.3	8.60	15.4	29.8	1.58
2102.0	10:26	20.3	39	142	9.1	9.1	9.2	8.60	15.4	28.2	1.62
2104.0	10:31	21.7	38	156	9.1	9.1	9.3	8.60	15.4	29.0	1.61
2106.0	10:37	20.3	39	156	9.1	9.1	9.3	8.60	15.4	28.2	1.65
2108.0	10:43	21.3	40	152	9.1	9.1	9.3	8.60	15.4	28.4	1.64
1708											
2110.0	10:50	17.2	39	153	9.1	9.1	9.3	8.60	15.4	27.0	1.70
2112.0	10:57	17.0	36	154	9.1	9.1	9.2	8.60	15.4	28.0	1.67
2114.0	11:26	19.2	37	150	9.1	9.1	9.2	8.60	15.4	28.7	1.64
2116.0	11:33	16.5	39	140	9.1	9.1	9.2	8.60	15.4	27.0	1.69
2118.0	11:40	18.3	38	139	9.1	9.1	9.2	8.60	15.4	28.3	1.64
2120.0	11:54	18.8	40	136	9.1	9.1	9.2	8.60	15.4	28.0	1.65
2122.0	12: 1	16.7	40	137	9.1	9.1	9.2	8.60	15.4	27.0	1.69
2124.0	12: 7	19.1	39	137	9.1	9.1	9.2	8.60	15.4	28.4	1.64
2126.0	12:14	17.3	38	138	9.1	9.1	9.2	8.60	15.5	28.0	1.66
2128.0	12:20	21.5	40	153	9.1	9.1	9.2	8.60	15.5	28.3	1.65
1728											
2130.0	12:37	36.3	39	135	9.1	9.1	9.2	8.60	15.5	33.6	1.42
2132.0	12:43	19.9	39	147	9.1	9.1	9.2	8.60	15.5	28.7	1.64
2134.0	12:48	24.1	39	154	9.1	9.1	9.2	8.60	15.5	30.0	1.59
2136.0	12:53	23.5	38	156	9.1	9.1	9.2	8.60	15.5	30.0	1.59
2138.0	12:59	22.8	36	156	9.1	9.1	9.3	8.60	15.5	30.5	1.58
2140.0	13: 4	23.6	39	156	9.1	9.1	9.3	8.60	15.5	29.8	1.60
2142.0	13:16	22.2	40	148	9.1	9.1	9.3	8.60	15.5	29.1	1.62
2144.0	13:22	19.8	41	153	9.1	9.1	9.3	8.60	15.5	27.7	1.68
2146.0	13:27	23.3	43	152	9.1	9.1	9.3	8.60	15.5	28.6	1.64
2148.0	13:40	25.0	40	150	9.1	9.1	9.3	8.60	15.5	30.2	1.58
1747											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1747											
2150.0	13:46	23.7	41	148	9.1	9.1	9.2	8.60	15.5	29.5	1.61
2152.0	14: 2	16.6	38	116	9.1	9.1	9.2	8.60	15.5	29.0	1.62
2154.0	14: 8	22.2	44	144	9.1	9.1	9.2	8.60	15.5	28.0	1.66
2156.0	14:14	18.5	47	141	9.1	9.1	9.2	8.60	15.5	25.8	1.75
2158.0	14:28	20.7	43	134	9.1	9.1	9.2	8.60	15.5	28.3	1.65
2160.0	14:33	22.1	41	142	9.1	9.1	9.2	8.60	15.5	29.3	1.62
2162.0	14:38	25.7	40	145	9.1	9.1	9.2	8.60	15.5	30.8	1.56
2164.0	14:43	25.5	44	147	9.1	9.1	9.3	8.60	15.5	29.3	1.62
2166.0	14:48	23.2	43	151	9.1	9.1	9.3	8.60	15.5	28.5	1.65
2168.0	15: 1	19.6	41	143	9.1	9.1	9.2	8.60	15.5	28.5	1.66
1767											
2170.0	15: 8	18.9	40	143	9.1	9.1	9.2	8.60	15.5	28.6	1.66
2172.0	15:13	21.9	40	143	9.1	9.1	9.3	8.60	15.5	29.7	1.61
2174.0	15:19	22.5	42	142	9.1	9.1	9.3	8.60	15.5	29.2	1.63
2176.0	15:31	27.9	43	137	9.1	9.1	9.2	8.60	15.5	30.7	1.56
2178.0	15:37	20.3	42	143	9.1	9.1	9.2	8.60	15.5	28.3	1.67
2180.0	15:43	21.1	40	148	9.1	9.1	9.3	8.60	15.5	29.3	1.64
2182.0	15:48	22.5	40	149	9.1	9.1	9.3	8.60	15.5	29.8	1.62
2184.0	15:58	19.9	40	142	9.1	9.1	9.3	8.60	15.5	29.1	1.64
2186.0	16:10	22.6	42	137	9.1	9.1	9.2	8.60	15.5	29.7	1.61
2188.0	16:15	23.0	45	141	9.1	9.1	9.2	8.60	15.5	28.7	1.65
1787											
2190.0	16:21	18.1	44	142	9.1	9.1	9.3	8.60	15.5	26.8	1.73
2192.0	16:27	20.3	42	144	9.1	9.1	9.3	8.60	15.5	28.5	1.67
2194.0	16:33	20.9	43	143	9.1	9.1	9.3	8.60	15.5	28.5	1.67
2196.0	16:45	25.9	49	135	9.1	9.1	9.3	8.60	15.5	28.9	1.63
2198.0	16:50	23.5	48	152	9.1	9.1	9.3	8.60	15.6	27.6	1.71
2200.0	16:55	27.7	49	152	9.1	9.1	9.3	8.60	15.6	28.7	1.66
2202.0	17: 0	24.9	49	153	9.1	9.1	9.3	8.60	15.6	28.0	1.69
2204.0	17:11	18.3	45	152	9.1	9.1	9.3	8.60	15.6	26.7	1.76
2206.0	17:16	22.7	46	161	9.1	9.1	9.3	8.60	15.6	27.7	1.72
2208.0	17:23	19.7	47	161	9.1	9.1	9.3	8.60	15.6	26.4	1.78
1807											
2210.0	17:29	20.0	50	160	9.1	9.1	9.3	8.60	15.6	25.7	1.80
2212.0	17:34	20.8	46	162	9.1	9.1	9.3	8.60	15.6	27.3	1.74
2214.0	17:49	16.9	42	152	9.1	9.1	9.3	8.60	15.6	27.2	1.75
2216.0	17:55	19.6	45	134	9.1	9.1	9.2	8.60	15.6	27.9	1.70
2218.0	18: 1	18.4	48	134	9.1	9.1	9.3	8.60	15.6	26.8	1.74
2220.0	18: 7	21.0	47	134	9.1	9.1	9.3	8.60	15.6	27.8	1.70
2222.0	18:13	21.9	49	134	9.1	9.1	9.3	8.60	15.6	27.8	1.70
2224.0	18:28	24.4	47	131	9.1	9.1	9.3	8.60	15.6	29.3	1.63
2226.0	18:34	20.6	45	140	9.1	9.1	9.3	8.60	15.6	28.1	1.70
2228.0	18:40	21.2	44	146	9.1	9.1	9.3	8.60	15.6	28.6	1.68
1827											
2230.0	18:44	24.3	44	149	9.1	9.1	9.3	8.60	15.6	29.7	1.64
2232.0	18:51	19.4	44	150	9.1	9.1	9.2	8.60	15.6	27.8	1.72
2234.0	19: 3	17.9	45	133	9.1	9.1	9.2	8.60	15.6	27.7	1.71
2236.0	19:10	19.6	47	142	9.1	9.1	9.3	8.60	15.6	27.3	1.73
2238.0	19:15	20.5	44	145	9.1	9.1	9.3	8.60	15.6	28.7	1.69
2240.0	19:20	25.8	45	144	9.1	9.1	9.3	8.60	15.6	30.2	1.62
2242.0	19:25	23.4	44	146	9.1	9.1	9.3	8.60	15.6	29.8	1.64
2244.0	19:40	66.6	44	140	9.1	9.1	9.3	8.60	15.6	38.0	1.27
2246.0	19:45	25.9	47	137	9.1	9.1	9.3	8.60	15.6	29.8	1.62
2248.0	19:49	28.3	45	139	9.1	9.1	9.3	8.60	15.6	31.1	1.58
1846											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	PDR	DEXP
	1846										
2250.0	19:53	26.4	47	140	9.1	9.1	9.3	8.60	15.6	30.0	1.62
2252.0	20: 7	21.4	47	141	9.1	9.1	9.3	8.60	15.6	28.3	1.70
2254.0	20:12	24.7	47	137	9.1	9.1	9.3	8.60	15.6	29.5	1.64
2256.0	20:18	20.8	45	141	9.1	9.1	9.3	8.60	15.6	28.7	1.69
2258.0	20:24	20.0	43	144	9.1	9.1	9.3	8.60	15.6	28.9	1.68
2260.0	20:30	19.3	47	143	9.1	9.1	9.3	8.60	15.6	27.7	1.74
2262.0	20:43	19.3	45	140	9.1	9.1	9.3	8.60	15.6	28.4	1.71
2264.0	20:49	20.6	47	146	9.1	9.1	9.3	8.60	15.6	28.0	1.73
2266.0	20:55	21.1	50	143	9.1	9.1	9.3	8.60	15.6	27.4	1.75
2268.0	21: 1	18.5	47	144	9.1	9.1	9.3	8.60	15.6	27.2	1.76
	1866										
2270.0	21: 7	19.0	45	147	9.1	9.1	9.3	8.60	15.7	28.0	1.73
2272.0	21:22	30.8	49	121	9.1	9.1	9.3	8.60	15.7	31.7	1.53
2274.0	21:30	18.6	45	122	9.1	9.1	9.3	8.60	15.7	29.0	1.67
2276.0	21:36	18.5	49	139	9.1	9.1	9.3	8.60	15.7	27.1	1.76
2278.0	21:42	19.6	43	151	9.1	9.1	9.3	8.60	15.7	29.0	1.70
2280.0	21:49	17.7	47	149	9.1	9.1	9.3	8.60	15.7	26.9	1.79
2282.0	22: 4	16.1	48	142	9.1	9.1	9.3	8.60	15.7	26.0	1.82
2284.0	22:10	19.8	48	147	9.1	9.1	9.3	8.60	15.7	27.7	1.75
2286.0	22:16	19.8	46	149	9.1	9.1	9.3	8.60	15.7	28.1	1.74
2288.0	22:22	19.9	47	149	9.1	9.1	9.3	8.60	15.7	27.9	1.75
	1885										
2290.0	22:34	19.5	45	145	9.1	9.1	9.3	8.60	15.7	28.6	1.72
2292.0	22:42	16.5	49	141	9.1	9.1	9.3	8.60	15.7	26.3	1.81
2294.0	22:47	22.1	48	146	9.1	9.1	9.3	8.60	15.7	28.7	1.71
2296.0	22:54	17.7	48	147	9.1	9.1	9.3	8.60	15.7	26.8	1.80
2298.0	23: 0	19.2	49	146	9.2	9.2	9.3	8.60	15.7	27.3	1.77
2300.0	23:13	19.8	48	143	9.2	9.2	9.3	8.60	15.7	28.1	1.74
2302.0	23:19	21.4	48	141	9.2	9.2	9.3	8.60	15.7	28.7	1.71
2304.0	23:26	18.9	47	143	9.2	9.2	9.3	8.60	15.7	27.9	1.75
2306.0	8:11	14.2	24	154	9.1	9.1	9.2	8.60	15.7	32.4	1.58
2308.0	8:22	12.5	29	158	9.1	9.2	9.2	8.60	15.7	28.9	1.69
	1909										
2310.0	9:54	19.2	42	158	9.2	9.2	9.2	8.60	15.7	27.2	1.73
2312.0	10:13	6.5	40	155	9.2	9.2	9.3	8.60	15.7	19.9	2.04
2314.0	10:19	21.8	40	158	9.2	9.2	9.3	8.60	15.7	29.3	1.64
2316.0	10:25	19.8	40	158	9.2	9.2	9.3	8.60	15.7	28.6	1.67
2318.0	10:30	25.3	40	159	9.2	9.2	9.3	8.60	15.7	30.5	1.59
2320.0	10:44	19.4	40	157	9.2	9.2	9.3	8.60	15.7	28.7	1.67
2322.0	10:50	19.8	45	152	9.2	9.2	9.3	8.60	15.7	27.4	1.72
2324.0	10:57	18.7	43	155	9.2	9.2	9.3	8.60	15.7	27.8	1.71
2326.0	11: 3	18.1	41	156	9.2	9.2	9.3	8.60	15.7	28.1	1.70
2328.0	11:12	14.1	41	156	9.2	9.2	9.3	8.60	15.7	26.3	1.78
	1929										
2332.0	11:34	15.7	42	152	9.2	9.2	9.3	8.60	15.7	27.0	1.75
2334.0	11:42	14.3	37	157	9.2	9.2	9.3	8.60	15.7	28.0	1.73
2336.0	11:51	13.9	37	158	9.2	9.2	9.3	8.60	15.7	27.8	1.74
2338.0	12: 9	15.0	35	137	9.2	9.2	9.3	8.60	15.7	30.1	1.64
2340.0	12:19	12.5	35	149	9.2	9.2	9.3	8.60	15.7	28.4	1.73
2342.0	12:27	15.0	37	151	9.2	9.2	9.3	8.60	15.7	29.0	1.70
2344.0	12:35	15.0	37	151	9.2	9.2	9.3	8.60	15.8	28.8	1.71
2346.0	12:42	17.5	39	151	9.2	9.2	9.3	8.60	15.8	29.4	1.68
2348.0	12:59	12.9	35	143	9.2	9.2	9.3	8.60	15.8	28.7	1.71
2350.0	13: 7	14.8	38	149	9.2	9.2	9.3	8.60	15.8	28.6	1.71
	1949										

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1949											
2352.0	13:13	17.9	41	155	9.2	9.2	9.3	8.60	15.8	28.9	1.70
2354.0	13:20	18.1	43	159	9.2	9.2	9.3	8.60	15.8	28.3	1.73
2356.0	13:35	14.9	43	138	9.2	9.2	9.3	8.60	15.8	27.5	1.75
2358.0	13:43	14.6	39	157	9.2	9.2	9.3	8.60	15.8	27.8	1.75
2360.0	13:51	14.2	40	157	9.2	9.2	9.3	8.60	15.8	27.3	1.78
2362.0	13:58	18.5	41	148	9.2	9.2	9.3	8.60	15.8	29.4	1.68
2364.0	14: 5	17.7	44	146	9.2	9.2	9.3	8.60	15.8	28.3	1.72
2368.0	14:23	15.7	40	149	9.2	9.2	9.3	8.60	15.8	28.5	1.73
2370.0	14:31	14.4	42	153	9.3	9.3	9.3	8.60	15.8	27.2	1.79
2372.0	14:40	14.1	41	154	9.3	9.3	9.3	8.60	15.8	27.6	1.78
1970											
2374.0	14:47	16.1	39	154	9.3	9.3	9.4	8.60	15.8	29.1	1.71
2376.0	14:59	19.5	38	151	9.3	9.3	9.4	8.60	15.8	31.3	1.62
2378.0	15: 8	13.4	37	152	9.3	9.3	9.4	8.60	15.8	29.1	1.72
2380.0	15:17	14.1	38	150	9.3	9.3	9.4	8.60	15.8	29.0	1.72
2382.0	15:24	15.5	35	152	9.3	9.3	9.4	8.60	15.8	31.1	1.64
2384.0	15:31	17.6	36	152	9.3	9.3	9.4	8.60	15.8	31.6	1.62
2385.0	15:34	25.0	37	148	9.3	9.3	9.4	8.60	15.8	34.3	1.50

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1983											
				NEW BIT ID: -1							
2390.0	9:34	4.7	13	78	9.1	9.2	9.5	8.60	15.8	33.1	1.57
2392.0	9:48	10.4	15	82	9.1	9.2	9.2	8.60	15.8	35.8	1.44
2394.0	10: 2	8.6	15	84	9.1	9.2	9.3	8.60	15.8	35.1	1.47
2396.0	10:22	6.2	15	84	9.1	9.2	9.3	8.60	15.8	32.1	1.58
2398.0	10:47	4.9	15	84	9.1	9.2	9.3	8.60	15.8	30.3	1.65
2400.0	11:33	2.6	16	84	9.1	9.2	9.4	8.60	15.8	24.4	1.88
2400.2	11:39	1.8	20	83	9.1	9.2	9.4	8.60	15.8	19.5	2.07
				NEW BIT ID: -2							
2402.0	0:16	6.1	22	80	9.3	9.3	10.4	8.60	15.8	29.8	1.74
2404.0	0:53	3.3	22	80	9.3	9.3	10.4	8.60	15.8	26.1	1.89
2406.0	1:39	2.7	22	80	9.3	9.3	10.4	8.60	15.8	24.6	1.96
2012											
2408.0	2: 1	6.5	22	80	9.3	9.3	10.4	8.60	15.8	30.9	1.70
2410.0	2:10	12.4	22	80	9.3	9.3	10.4	8.60	15.8	36.4	1.48
2413.0	2:39	8.6	22	80	9.3	9.3	10.4	8.60	15.8	33.1	1.62
				NEW BIT ID: -3							
2416.0	14:57	16.0	13	61	9.3	9.3	10.4	8.60	15.8	46.9	1.16
2418.0	15: 4	18.3	21	67	9.3	9.3	10.4	8.60	15.9	41.1	1.29
2420.0	15:13	13.7	22	77	9.3	9.3	10.4	8.60	15.9	37.4	1.43
2422.0	15:30	7.7	22	76	9.3	9.3	10.3	8.60	15.9	32.6	1.62
2424.0	16: 4	3.5	22	80	9.3	9.3	10.6	8.60	15.9	27.3	1.87
2424.8	16:17	2.7	22	80	9,3	9.3	10.7	8.60	15.9	25.8	1.94
				NEW BIT ID: -4							
2426.0	0:24	2.4	19	92	9.4	9.5	10.4	8.60	15.9	18.5	1.93
2039											
2428.0	0:55	4.4	19	92	9.4	9.5	10.4	8.60	15.9	29.2	1.77
2430.0	1:35	3.0	19	92	9.4	9.5	10.4	8.60	15.9	26.9	1.86
2432.0	2: 3	4.4	19	92	9.4	9.5	10.4	8.60	15.9	29.7	1.75
2434.0	2:11	16.2	19	92	9.4	9.5	10.4	8.60	15.9	39.7	1.37
2436.0	2:26	14.0	19	92	9.4	9.5	10.4	8.60	15.9	36.6	1.49
2436.6	2:37	3.8	19	92	9.4	9.5	10.4	8.60	15.9	22.9	1.79
				NEW BIT ID: -5							
2438.0	1:41	3.5	16	122	9.4	9.5	10.3	8.60	15.9	28.6	1.81
2438.8	2:35	1.4	19	106	9.4	9.5	10.5	8.60	15.9	20.5	2.14
				NEW BIT ID: 7							
2440.0	12:53	13.4	43	113	9.3	9.3	9.7	8.60	15.9	44.1	1.19
2442.0	13: 2	27.5	44	125	9.3	9.3	9.4	8.60	15.9	31.6	1.56
2066											
				NEW BIT ID: -6							
2444.0	14:38	17.4	42	129	9.3	9.3	9.4	8.60	15.9	29.5	1.67
2446.0	0:33	3.3	22	85	9.3	9.3	10.4	8.60	15.9	26.1	1.91

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2074											
2448.0	1:14	3.7	22	85	9.3	9.3	10.4	8.60	15.9	26.3	1.91
2450.0	2: 2	2.5	22	85	9.3	9.3	10.4	8.60	15.9	24.4	1.99
2452.0	2:19	7.5	22	85	9.3	9.3	10.4	8.60	15.9	32.5	1.66
2454.0	2:39	6.2	22	85	9.3	9.3	10.4	8.60	15.9	31.4	1.71
2456.0	2:50	10.3	22	85	9.3	9.3	10.4	8.60	15.9	35.3	1.55
2457.0	2:56	9.8	22	85	9.3	9.3	10.4	8.60	15.9	34.9	1.57
NEW BIT ID: 8											
2458.0	0: 0	20.0	37	132	9.3	9.3	9.4	8.60	15.9	32.6	1.55
2460.0	0: 5	24.0	37	132	9.3	9.3	9.4	8.60	15.9	34.0	1.49
2462.0	0: 7	56.8	37	132	9.3	9.3	9.4	8.60	15.9	40.5	1.21
2466.0	0:11	64.8	37	132	9.3	9.3	9.4	8.60	15.9	41.6	1.17
2098											
2468.0	0:14	48.5	37	132	9.3	9.3	9.4	8.60	15.9	38.8	1.29
2470.0	0:18	29.5	37	132	9.3	9.3	9.4	8.60	15.9	35.8	1.42
2472.0	0:23	22.5	37	140	9.3	9.3	9.4	8.60	15.9	33.5	1.53
2474.0	0:29	22.5	37	140	9.3	9.3	9.4	8.60	15.9	33.6	1.52
2476.0	0:34	24.3	37	140	9.3	9.3	9.5	8.60	15.9	34.2	1.50
2478.0	0:39	23.2	39	140	9.3	9.3	9.5	8.60	15.9	33.5	1.53
2480.0	0:44	23.5	40	140	9.3	9.3	9.5	8.60	15.9	33.0	1.54
2482.0	0:50	20.0	40	140	9.3	9.3	9.5	8.60	15.9	31.9	1.59
2484.0	0:52	78.0	40	140	9.3	9.3	9.5	8.60	15.9	42.2	1.14
2486.0	0:53	68.0	40	140	9.3	9.3	9.5	8.60	15.9	41.2	1.19
2118											
2488.0	0:55	63.5	40	140	9.3	9.3	9.5	8.60	15.9	40.8	1.21
2490.0	0:57	54.0	40	140	9.3	9.3	9.5	8.60	15.9	39.6	1.26
2492.0	0:59	60.0	40	140	9.3	9.3	9.5	8.60	15.9	40.4	1.23
2494.0	1: 3	32.5	40	140	9.3	9.3	9.5	8.60	15.9	35.9	1.42
2496.0	1: 7	34.3	40	140	9.3	9.3	9.5	8.60	16.0	36.4	1.41
2498.0	1:10	39.2	41	143	9.3	9.3	9.5	8.60	16.0	37.0	1.38
2500.0	1:13	37.5	42	145	9.3	9.3	9.5	8.60	16.0	36.3	1.41
2502.0	1:17	28.8	42	145	9.3	9.3	9.5	8.60	16.0	34.3	1.50
2504.0	1:22	26.0	42	145	9.3	9.3	9.5	8.60	16.0	33.5	1.53
2506.0	1:26	30.0	42	145	9.3	9.3	9.6	8.60	16.0	34.7	1.49
2138											
2508.0	1:30	28.9	42	145	9.3	9.3	9.6	8.60	16.0	34.5	1.50
2510.0	1:40	17.5	42	145	9.3	9.3	9.6	8.60	16.0	29.5	1.72
2512.0	1:47	17.0	42	145	9.3	9.3	9.5	8.60	16.0	30.2	1.69
2514.0	1:58	11.0	42	145	9.3	9.3	9.5	8.60	16.0	27.3	1.82
2516.0	2: 3	29.0	42	145	9.3	9.3	9.5	8.60	16.0	34.0	1.53
2518.0	2: 9	23.0	42	145	9.3	9.3	9.5	8.60	16.0	32.0	1.62
2520.0	2:16	17.0	42	145	9.3	9.3	9.5	8.60	16.0	30.6	1.68
2522.0	2:29	9.7	42	145	9.3	9.3	9.5	8.60	16.0	26.4	1.87
2524.0	2:40	10.8	42	145	9.3	9.3	9.5	8.60	16.0	27.2	1.84
2526.0	2:42	50.5	45	154	9.3	9.3	9.5	8.60	16.0	37.4	1.37
2158											
2528.0	2:44	54.0	45	154	9.3	9.3	9.5	8.60	16.0	37.9	1.35
2530.0	2:47	58.0	45	154	9.3	9.3	9.5	8.60	16.0	38.5	1.32
2532.0	2:49	51.0	45	154	9.3	9.3	9.5	8.60	16.0	37.3	1.38
2534.0	2:53	34.0	45	154	9.3	9.3	9.5	8.60	16.0	34.5	1.51
2536.0	2:56	37.5	45	154	9.3	9.3	9.5	8.60	16.0	35.4	1.47
2538.0	3: 9	9.2	50	154	9.3	9.3	9.5	8.60	16.0	23.6	2.02
2540.0	3:22	9.3	50	154	9.3	9.3	9.5	8.60	16.0	23.7	2.01

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2172											
2542.0	3:36	8.2	50	154	9.3	9.3	9.5	8.60	16.0	22.8	2.06
2544.0	3:51	8.1	50	154	9.3	9.3	9.5	8.60	16.0	22.7	2.07
2546.0	4: 6	8.1	55	154	9.3	9.3	9.5	8.60	16.0	21.8	2.14
2548.0	4:22	7.2	55	154	9.3	9.3	9.4	8.60	16.0	21.0	2.18
2550.0	4:36	9.2	55	154	9.3	9.3	9.4	8.60	16.0	22.6	2.10
2552.0	4:49	9.9	55	154	9.3	9.3	9.4	8.60	16.0	23.3	2.08
2554.0	4:56	18.0	55	154	9.3	9.3	9.4	8.60	16.0	27.3	1.88
2556.0	5: 7	12.0	58	154	9.3	9.3	9.4	8.60	16.0	24.6	2.03
2558.0	5:14	21.1	60	154	9.3	9.3	9.4	8.60	16.0	27.5	1.90
2560.0	5:18	35.5	60	154	9.3	9.3	9.5	8.60	16.0	32.4	1.65
2192											
2562.0	5:21	41.0	60	154	9.3	9.3	9.5	8.60	16.0	33.6	1.59
2564.0	5:24	37.5	60	154	9.3	9.3	9.5	8.60	16.0	32.8	1.64
2566.0	5:36	11.9	60	156	9.3	9.3	9.5	8.60	16.0	24.1	2.08
2568.0	5:49	9.0	60	156	9.3	9.3	9.5	8.60	16.0	22.5	2.17
2570.0	6: 1	10.6	60	156	9.3	9.3	9.5	8.60	16.0	23.6	2.11
2572.0	6:10	12.8	60	156	9.3	9.3	9.5	8.60	16.0	25.3	2.03
2574.0	6:23	9.1	60	156	9.3	9.3	9.5	8.60	16.1	22.8	2.16
2576.0	6:37	9.1	60	156	9.3	9.3	9.5	8.60	16.1	22.9	2.16
2577.0	6:42	11.5	60	156	9.3	9.3	9.5	8.60	16.1	24.6	2.07

DUMP B

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

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	64										
				NEW BIT ID:	2						
246.0	15: 6	.97	17	16	.00	.42	0	0	964	.0	2
274.0	15:27	.72	17	16	.00	.42	0	0	937	.0	2
280.0	15:28	1.62	17	16	.00	.42	0	0	939	.0	3
282.0	15:29	1.63	17	16	.00	.42	0	0	929	.0	2
294.0	15:39	1.46	18	16	.00	.42	0	0	938	.0	3
296.0	15:40	1.22	18	16	.00	.42	0	0	920	.0	2
300.0	15:41	1.00	18	16	.00	.42	0	0	924	.0	2
312.0	15:52	1.08	18	16	.00	.42	0	0	921	.0	2
318.0	15:54	1.45	18	16	.00	.42	0	0	948	.0	2
322.0	16: 0	1.60	19	16	.00	.41	0	0	952	.0	2
	90										
326.0	16: 1	2.00	19	17	.00	.41	0	0	952	.0	2
336.0	16: 7	1.46	19	16	.00	.42	0	0	926	.0	2
338.0	16: 7	1.70	19	16	.00	.42	0	0	918	.0	2
340.0	16: 8	1.77	19	16	.00	.41	0	0	912	.0	1
342.0	16:12	1.24	19	16	.00	.42	0	0	893	.0	1
346.0	16:13	1.76	19	16	.00	.41	0	0	919	.0	3
348.0	16:14	1.88	19	16	.00	.41	0	0	928	.0	2
352.0	16:19	1.79	18	16	.00	.41	0	0	934	.0	3
356.0	16:20	1.89	18	16	.00	.41	0	0	939	.0	2
358.0	16:21	1.81	18	16	.00	.41	0	0	939	.0	2
	110										
362.0	16:26	1.64	18	16	.00	.41	0	0	932	.0	2
368.0	16:28	1.49	19	17	.00	.41	0	0	911	.0	2
370.0	16:33	1.39	19	16	.00	.40	0	0	894	.0	1
372.0	16:34	1.94	19	17	.00	.40	1	1	956	.0	2
376.0	16:35	1.84	19	16	.00	.40	2	1	1027	.0	3
378.0	16:36	1.72	19	16	.00	.40	2	1	1023	.0	2
380.0	16:41	1.90	19	16	.00	.40	2	1	1022	.0	2
382.0	16:41	2.15	19	16	.00	.40	2	1	1030	.0	2
390.0	16:49	1.92	19	16	.00	.40	2	1	1032	.0	4
392.0	16:50	1.82	18	15	.00	.40	2	1	1039	.0	2
	132										
398.0	16:52	1.77	18	16	.00	.40	2	1	1033	.0	3
400.0	17: 7	2.25	19	16	.00	.39	2	1	1022	.0	2
402.0	17: 8	2.32	19	16	.00	.39	2	1	1019	.0	2
404.0	17: 9	2.29	19	16	.00	.39	2	1	1021	.0	2
408.0	17:16	2.15	19	17	.00	.39	2	1	1017	.0	1
410.0	17:18	2.26	19	16	.00	.39	2	1	894	.0	2
416.0	17:20	2.24	19	16	.00	.39	2	1	939	.0	4
418.0	17:26	2.18	20	16	.00	.39	2	1	968	.0	2
420.0	17:27	2.25	20	16	.00	.39	2	1	1011	.0	2
424.0	17:28	2.24	20	16	.00	.39	2	1	1026	.0	2
	154										
426.0	17:28	2.24	20	17	.00	.39	2	1	1030	.0	1
428.0	17:33	1.67	20	17	.00	.38	2	1	985	.0	1
432.0	17:35	2.27	20	17	.00	.39	2	1	948	.0	3
436.0	17:36	2.33	20	17	.00	.39	2	1	955	.0	3
438.0	17:42	2.18	20	17	.00	.38	2	1	1005	.0	2
444.0	17:44	2.26	20	16	.00	.38	2	1	1048	.0	2
446.0	17:50	1.85	20	17	.00	.39	2	1	1050	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
168											
448.0	17:50	2.27	20	17	.00	.39	2	1	1056	.0	1
450.0	17:51	1.89	20	17	.00	.39	2	1	1061	.0	2
452.0	17:52	1.96	20	17	.00	.39	3	2	1034	.0	1
454.0	17:52	2.06	20	17	.00	.38	3	2	1035	.0	2
456.0	18: 5	1.84	20	18	.00	.39	3	2	1005	.0	1
460.0	18: 7	2.50	20	18	.00	.39	3	2	1009	.0	2
462.0	18: 8	2.44	20	18	.00	.39	3	2	1017	.0	2
464.0	18:14	2.45	20	18	.00	.39	3	2	1013	.0	2
466.0	18:15	2.52	21	17	.00	.38	3	2	1021	.0	2
468.0	18:16	2.67	21	17	.00	.38	3	2	1023	.0	2
185											
470.0	18:17	2.65	21	18	.00	.38	3	2	1023	.0	2
472.0	18:18	2.73	21	18	.00	.38	3	2	1023	.0	2
476.0	18:24	2.63	21	18	.00	.38	3	2	1049	.0	2
478.0	18:25	2.57	21	17	.00	.38	3	2	1053	.0	2
480.0	18:26	2.68	21	17	.00	.38	3	2	1053	.0	2
482.0	18:27	2.58	21	18	.00	.38	3	2	1056	.0	2
484.0	18:34	2.34	21	18	.00	.38	3	2	1041	.0	2
486.0	18:35	2.51	21	17	.00	.38	3	2	1032	.0	2
490.0	18:37	2.54	21	17	.00	.38	3	2	1032	.0	3
492.0	18:38	2.64	21	18	.00	.38	3	2	1032	.0	2
206											
494.0	18:44	2.65	21	18	.00	.38	3	2	1000	.0	2
496.0	18:45	2.58	21	17	.00	.38	3	2	989	.0	2
498.0	18:46	2.54	21	17	.00	.38	3	2	985	.0	2
500.0	18:47	2.69	21	18	.00	.38	3	2	988	.0	2
502.0	18:47	2.50	21	18	.00	.38	3	2	993	.0	2
504.0	18:53	2.38	21	18	.00	.38	3	2	1008	.0	2
506.0	18:54	2.48	21	17	.00	.38	3	2	1015	.0	2
508.0	18:55	2.43	21	17	.00	.38	4	3	1012	.0	2
510.0	18:55	2.55	21	18	.00	.38	4	3	1009	.0	1
512.0	19:11	2.83	22	19	.00	.38	4	3	1009	.0	2
225											
514.0	19:12	2.73	22	18	.00	.38	4	3	1014	.0	2
516.0	19:13	2.79	22	18	.00	.38	4	3	1011	.0	1
522.0	19:20	2.75	22	18	.00	.38	4	3	1005	.0	2
524.0	19:21	2.47	22	18	.00	.38	4	3	994	.0	2
526.0	19:22	2.61	22	18	.00	.38	4	3	994	.0	2
530.0	19:28	2.70	22	18	.00	.37	4	3	1025	.0	3
532.0	19:29	2.75	23	18	.00	.37	4	3	1027	.0	2
534.0	19:30	2.66	22	18	.00	.37	4	3	1034	.0	2
542.0	19:36	2.88	22	18	.00	.37	4	3	1030	.0	3
546.0	19:37	2.46	22	18	.00	.37	4	3	1032	.0	3
247											
550.0	19:38	2.29	22	18	.00	.38	4	3	1031	.0	3
552.0	19:45	2.59	22	19	.00	.37	4	3	1036	.0	2
554.0	19:46	2.81	22	19	.00	.37	4	3	1035	.0	2
556.0	19:47	2.58	22	18	.00	.37	4	3	1033	.0	2
558.0	19:48	2.74	22	18	.00	.37	4	3	1035	.0	2
560.0	19:54	2.28	22	19	.00	.37	4	3	1031	.0	2
562.0	19:54	2.52	22	19	.00	.37	4	3	1019	.0	2
564.0	19:56	2.78	22	19	.00	.37	4	3	1019	.0	1
566.0	19:57	2.53	22	19	.00	.37	4	3	1019	.0	2
568.0	19:59	2.96	22	19	.00	.37	4	3	1019	.0	2
267											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
267											
570.0	20:12	2.83	23	19	.00	.37	4	3	1019	.0	1
572.0	20:16	3.42	23	20	.00	.37	4	3	1085	.0	1
574.0	20:19	3.13	24	20	.00	.37	4	3	1085	.0	2
576.0	20:21	2.95	24	21	.00	.37	5	3	1095	.0	2
578.0	20:23	2.87	24	21	.00	.37	5	3	1095	.0	2
580.0	20:29	2.86	24	21	.00	.37	5	3	1085	.0	1
582.0	20:31	2.90	24	20	.00	.37	5	3	1032	.0	2
584.0	20:33	2.92	24	21	.00	.36	5	3	1032	.0	2
586.0	20:34	2.55	24	21	.00	.36	5	3	1030	.0	2
588.0	20:36	2.92	24	21	.00	.36	5	3	1030	.0	2
284											
590.0	20:42	2.61	24	21	.00	.38	5	3	1030	.0	2
592.0	20:43	2.76	24	21	.00	.39	5	3	1034	.0	2
594.0	20:45	2.77	24	21	.00	.40	5	3	1034	.0	2
596.0	20:46	2.86	24	22	.00	.40	5	3	1031	.0	2
600.0	20:54	2.57	24	22	.00	.41	5	3	1036	.0	3
602.0	20:55	2.40	24	21	.00	.42	5	3	1041	.0	2
604.0	20:56	2.34	24	21	.00	.42	5	3	1041	.0	2
606.0	20:58	2.78	24	22	.00	.42	5	3	1041	.0	2
610.0	21:13	2.41	23	23	.00	.43	5	3	1011	.0	3
612.0	21:15	2.58	23	22	.00	.44	5	3	989	.0	2
306											
614.0	21:16	2.67	23	22	.00	.44	5	3	989	.0	2
616.0	21:18	2.45	23	23	.00	.45	5	3	985	.0	2
618.0	21:25	2.68	23	23	.00	.45	5	3	993	.0	2
620.0	21:27	2.81	24	22	.00	.46	5	3	1015	.0	2
622.0	21:28	2.83	23	23	.00	.46	6	4	1012	.0	2
624.0	21:30	2.88	23	23	.00	.46	7	4	1009	.0	2
626.0	21:32	2.84	23	23	.00	.47	7	4	1009	.0	2
628.0	21:42	2.78	23	22	.00	.48	7	4	1017	.0	2
630.0	21:44	2.63	23	21	.00	.49	7	4	1032	.0	2
632.0	21:46	2.61	23	22	.00	.49	7	4	1032	.0	2
326											
634.0	21:48	2.61	23	23	.00	.50	7	4	1032	.0	2
636.0	21:49	2.65	23	23	.00	.51	7	4	1032	.0	2
638.0	21:56	2.71	23	22	.00	.53	7	4	1016	.0	2
640.0	21:57	2.83	23	22	.00	.53	7	4	1020	.0	2
642.0	21:59	2.97	23	23	.00	.54	7	4	1020	.0	2
644.0	22: 1	3.06	23	23	.00	.55	7	4	1020	.0	2
648.0	22: 9	2.84	23	23	.00	.57	7	4	1026	.0	3
650.0	22:11	2.78	23	22	.00	.58	7	4	1040	.0	2
652.0	22:12	2.66	23	23	.00	.59	7	4	1043	.0	2
654.0	22:13	2.77	23	23	.00	.60	7	4	1043	.0	2
347											
656.0	22:20	2.72	23	23	.00	.63	7	4	1039	.0	2
658.0	22:21	2.77	23	23	.00	.63	7	4	1035	.0	2
660.0	22:23	2.72	23	23	.00	.55	7	4	1035	.0	2
662.0	22:24	2.75	24	23	.00	.43	7	4	1037	.0	2
664.0	22:26	2.80	24	23	.00	.40	7	4	1038	.0	2
666.0	22:33	2.91	23	23	.00	.40	7	4	1024	.0	2
668.0	22:34	2.65	23	23	.00	.39	7	4	1024	.0	2
670.0	22:35	2.46	24	23	.00	.40	9	5	1014	.0	2
672.0	22:36	2.63	24	23	.00	.40	9	5	1012	.0	2
674.0	22:42	2.72	24	23	.00	.40	11	6	1020	.0	2
367											

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV RECDS	
367											
676.0	22:44	2.83	24	23	.00	.40	13	6	1033	.0	2
678.0	22:45	2.77	24	23	.00	.40	13	6	1033	.0	2
680.0	22:47	2.83	24	23	.00	.40	13	6	1031	.0	2
682.0	22:49	2.92	24	24	.00	.40	13	6	1027	.0	2
686.0	22:55	2.72	24	23	.00	.39	13	6	992	.0	2
688.0	22:56	2.75	24	23	.00	.40	13	6	962	.0	2
690.0	22:58	2.82	24	23	.00	.39	13	6	962	.0	2
692.0	23: 0	2.96	24	23	.00	.39	13	6	965	.0	2
694.0	23: 2	2.96	24	23	.00	.39	13	6	965	.0	2
696.0	23:14	2.98	24	23	.00	.39	13	6	1018	.0	2
387											
698.0	23:16	3.10	24	23	.00	.39	13	6	1028	.0	2
700.0	23:18	2.95	24	24	.00	.39	13	6	1028	.0	2
702.0	23:20	2.97	24	24	.00	.39	13	6	1028	.0	2
704.0	23:27	3.06	24	23	.00	.39	13	6	1025	.0	2
706.0	23:29	3.03	24	23	.00	.39	16	6	1015	.0	2
708.0	23:31	3.06	23	23	.00	.39	18	6	1020	.0	2
710.0	23:33	2.97	23	23	.00	.39	18	6	1020	.0	2
712.0	23:34	2.94	23	23	.00	.39	18	6	1020	.0	2
714.0	23:46	2.86	23	23	.00	.39	18	6	1017	.0	2
716.0	23:47	2.85	23	21	.00	.39	18	6	1024	.0	2
407											
718.0	23:49	2.79	23	21	.00	.39	18	6	1027	.0	2
720.0	23:50	2.54	23	23	.00	.39	18	6	1029	.0	2
722.0	23:52	2.89	23	23	.00	.39	18	6	1029	.0	2
724.0	23:59	2.94	22	23	.00	.39	18	6	1034	.0	2
726.0	0: 0	2.99	22	23	.00	.39	18	6	1036	.0	2
728.0	0: 3	3.12	22	23	.00	.39	18	6	1039	.0	2
730.0	0: 4	2.89	22	23	.00	.39	18	6	1041	.0	2
732.0	0:12	3.04	23	23	.00	.39	18	6	1039	.0	2
734.0	0:14	2.88	23	23	.00	.39	18	6	1033	.0	2
736.0	0:16	2.91	24	23	.00	.39	18	6	1037	.0	2
427											
738.0	0:18	2.97	24	23	.00	.39	18	6	1037	.0	2
740.0	0:20	3.05	23	23	.00	.39	18	6	1037	.0	2
742.0	0:26	2.96	23	23	.00	.39	18	6	1033	.0	1
744.0	0:29	3.16	22	23	.00	.39	18	6	1065	.0	2
746.0	0:31	3.05	22	23	.00	.39	18	6	1069	.0	2
748.0	0:33	3.18	22	23	.00	.39	18	6	1063	.0	2
750.0	0:35	3.12	24	23	.00	.39	18	6	1065	.0	2
752.0	0:43	2.95	24	23	.00	.39	18	6	1065	.0	2
754.0	0:46	3.14	23	22	.00	.39	18	6	1051	.0	2
756.0	0:48	3.19	23	23	.00	.39	18	6	1051	.0	2
446											
758.0	0:50	3.11	23	23	.00	.39	18	6	1055	.0	2
760.0	0:52	3.07	23	23	.00	.39	18	6	1058	.0	2
762.0	0:59	2.83	23	23	.00	.39	18	6	1042	.0	1
764.0	1: 2	3.25	24	23	.00	.39	18	6	1040	.0	2
766.0	1: 5	3.34	24	24	.00	.39	18	6	1050	.0	2
768.0	1: 8	3.25	24	24	.00	.39	18	6	1055	.0	2
770.0	1:11	3.27	24	24	.00	.39	18	6	1055	.0	2
772.0	1:19	3.41	24	24	.00	.39	18	6	1052	.0	2
774.0	1:22	3.19	24	24	.00	.39	18	6	1051	.0	2
776.0	1:25	3.37	24	24	.00	.39	18	6	1052	.0	2
465											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
465											
778.0	1:29	3.32	24	24	.00	.38	27	6	1072	.0	2
780.0	1:32	3.29	24	24	.00	.38	27	6	1072	.0	2
782.0	1:39	3.10	24	24	.00	.38	27	6	1075	.0	1
784.0	1:41	3.18	24	24	.00	.38	27	6	1075	.0	2
786.0	1:43	3.11	24	25	.00	.43	27	6	1081	.0	2
788.0	1:45	3.03	24	25	.00	.38	27	6	1081	.0	2
790.0	1:47	3.05	24	25	.00	.37	27	6	1085	.0	2
792.0	1:54	3.11	24	25	.00	.37	27	6	1079	.0	2
794.0	1:57	3.13	24	26	.00	.37	27	6	1069	.0	2
796.0	1:59	3.09	24	26	.00	.37	27	6	1069	.0	2
484											
798.0	2: 1	3.06	24	26	.00	.37	27	6	1069	.0	2
800.0	2: 8	3.01	24	26	.00	.37	27	6	1069	.0	2
802.0	2:10	3.09	25	26	.00	.37	27	6	1071	.0	2
804.0	2:13	3.17	25	27	.00	.37	27	6	1085	.0	2
806.0	2:15	3.11	26	27	.00	.37	27	6	1113	.0	2
808.0	2:17	3.07	27	28	.00	.37	27	6	1122	.0	2
810.0	2:23	3.10	28	28	.00	.37	27	6	1120	.0	2
812.0	2:25	3.10	29	28	.00	.37	27	6	1102	.0	2
814.0	2:28	3.17	29	28	.00	.35	27	6	1104	.0	2
816.0	2:31	3.31	29	29	.00	.34	27	6	1105	.0	2
504											
818.0	2:34	3.31	29	29	.00	.34	27	6	1105	.0	2
820.0	2:43	3.31	30	28	.00	.34	27	6	1105	.0	2
822.0	2:47	3.38	30	29	.00	.34	27	6	1110	.0	2
824.0	2:50	3.33	30	29	.00	.34	26	6	1114	.0	2
826.0	2:53	3.23	30	29	.00	.34	25	6	1114	.0	2
830.0	3: 2	3.20	30	29	.00	.34	25	6	1108	.0	3
832.0	3: 6	3.37	31	29	.00	.34	25	6	1102	.0	2
834.0	3:10	3.46	31	29	.00	.34	25	6	1102	.0	2
836.0	3:14	3.39	31	30	.00	.32	25	6	1102	.0	2
838.0	3:24	3.40	31	30	.00	.32	25	6	1102	.0	2
525											
840.0	3:28	3.46	31	30	.00	.32	25	6	1102	.0	2
842.0	3:31	3.37	32	31	.00	.32	25	6	1102	.0	2
844.0	3:36	3.43	32	31	.00	.32	25	6	1106	.0	2
846.0	3:40	3.42	32	31	.00	.32	24	6	1106	.0	2
848.0	3:49	3.38	33	31	.00	.32	23	6	1101	.0	1
850.0	3:54	3.52	33	31	.00	.31	23	6	1093	.0	2
852.0	3:59	3.51	33	32	.00	.30	23	6	1095	.0	2
854.0	4: 5	3.60	34	32	.00	.30	23	6	1097	.0	2
856.0	4: 8	3.20	34	32	.00	.30	23	6	1097	.0	2
858.0	4:18	3.20	34	32	.00	.30	23	6	1094	.0	2
544											
860.0	4:22	3.41	34	32	.00	.30	23	6	1091	.0	2
862.0	4:24	3.15	34	33	.00	.30	23	6	1091	.0	2
864.0	4:26	3.20	34	33	.00	.30	23	6	1091	.0	2
865.0	4:27	3.15	34	33	.00	.30	23	6	1091	.0	1
NEW BIT ID: 3											
878.0	0: 3	2.86	37	29	.00	.29	13	6	1064	.0	1
880.0	0: 7	3.01	37	28	.00	.29	13	6	1064	.0	2
882.0	1:55	3.04	38	30	.00	.29	13	6	1064	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
560											
884.0	1:59	2.89	38	39	.00	.29	13	6	1065	.0	2
886.0	2: 9	2.51	38	40	.00	.29	13	6	1050	.0	1
888.0	2:12	3.00	39	40	.00	.29	13	6	1000	.0	2
890.0	2:15	3.01	39	41	.00	.29	13	6	999	.0	2
892.0	2:17	3.04	40	41	.00	.29	13	6	1003	.0	2
894.0	2:20	3.06	40	41	.00	.29	13	6	1011	.0	2
896.0	2:34	2.86	40	41	.00	.29	13	6	997	.0	1
898.0	2:37	3.12	40	41	.00	.29	13	6	987	.0	2
900.0	2:40	3.21	41	41	.00	.29	13	6	987	.0	2
902.0	2:43	3.21	41	41	.00	.29	13	6	987	.0	2
578											
904.0	2:46	3.16	41	41	.00	.29	13	6	983	.0	2
906.0	2:56	2.91	41	42	.00	.29	13	6	1004	.0	2
908.0	2:58	3.14	41	42	.00	.29	13	6	1018	.0	2
910.0	3: 0	3.09	41	42	.00	.29	13	6	1018	.0	2
912.0	3: 2	3.04	41	42	.00	.29	13	6	1015	.0	2
916.0	3:14	3.16	41	42	.00	.29	13	6	1026	.0	3
918.0	3:17	3.43	42	42	.00	.29	13	6	1039	.0	2
920.0	3:19	3.40	42	42	.00	.29	13	6	1039	.0	2
922.0	3:21	3.40	42	42	.00	.29	13	6	1035	.0	2
924.0	3:25	3.30	42	43	.00	.29	13	6	1035	.0	2
599											
926.0	3:35	3.25	42	43	.00	.29	13	6	1019	.0	2
928.0	3:38	3.16	42	43	.00	.29	13	6	1016	.0	2
930.0	3:40	3.10	42	43	.00	.29	13	6	1016	.0	2
932.0	3:42	3.06	42	43	.00	.29	13	6	1016	.0	2
934.0	3:51	2.91	42	43	.00	.29	13	6	1011	.0	1
936.0	3:53	3.30	43	43	.00	.29	13	6	1003	.0	2
938.0	3:55	3.31	43	43	.00	.29	13	6	1003	.0	2
940.0	3:58	3.27	43	43	.00	.29	13	6	1000	.0	2
942.0	4: 0	3.22	43	43	.00	.29	13	6	1076	.0	2
944.0	4:10	2.92	43	43	.00	.29	13	6	1100	.0	2
618											
946.0	4:12	2.97	43	43	.00	.29	13	6	1096	.0	2
948.0	4:15	2.96	43	43	.00	.29	13	6	1095	.0	2
950.0	4:17	2.92	43	43	.00	.29	13	6	1093	.0	2
954.0	4:27	2.93	43	44	.00	.29	13	6	1096	.0	3
956.0	4:29	3.09	43	44	.00	.29	13	6	1102	.0	2
958.0	4:32	3.10	43	44	.00	.29	13	6	1102	.0	2
960.0	4:34	3.08	43	44	.00	.29	13	6	1106	.0	2
962.0	4:44	3.20	43	44	.00	.29	13	6	1087	.0	2
964.0	4:46	3.15	44	44	.00	.29	13	6	1097	.0	2
966.0	4:48	3.11	44	44	.00	.29	13	6	1097	.0	2
639											
968.0	4:51	3.16	44	44	.00	.29	13	6	1097	.0	2
970.0	4:53	3.17	44	44	.00	.29	13	6	1097	.0	2
972.0	5: 1	3.36	44	44	.00	.29	13	6	1097	.0	1
974.0	5: 4	3.43	44	44	.00	.29	13	6	1102	.0	2
976.0	5: 7	3.37	44	44	.00	.29	13	6	1111	.0	2
978.0	5: 9	3.22	44	44	.00	.29	13	6	1091	.0	2
980.0	5:11	3.22	44	45	.00	.29	13	6	1087	.0	2
982.0	5:20	3.13	44	45	.00	.29	13	6	1084	.0	1
984.0	5:22	3.27	44	44	.00	.29	13	6	1075	.0	2
986.0	5:24	3.27	44	45	.00	.29	13	6	1075	.0	2
657											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
657											
988.0	5:27	3.26	44	45	.00	.29	13	6	1082	.0	2
990.0	5:29	3.26	44	45	.00	.29	13	6	1080	.0	2
992.0	5:38	3.30	45	45	.00	.29	13	6	1089	.0	2
994.0	5:41	3.35	45	45	.00	.29	13	6	1093	.0	2
996.0	5:43	3.28	45	45	.00	.29	13	6	1093	.0	2
998.0	5:46	3.41	45	45	.00	.29	13	6	1093	.0	2
1002.0	6: 0	3.25	44	45	.00	.29	13	6	977	.0	2
1004.0	6: 3	3.33	44	45	.00	.29	13	6	1002	.0	2
1006.0	6: 7	3.51	44	45	.00	.29	13	6	1117	.0	2
1008.0	6:12	3.72	45	46	.00	.29	13	6	1120	.0	2
677											
1010.0	6:25	3.56	45	46	.00	.29	13	6	1122	.0	2
1012.0	6:30	3.76	45	46	.00	.29	13	6	1084	.0	2
1014.0	6:35	3.66	45	46	.00	.29	13	6	1082	.0	2
1016.0	6:40	3.66	46	46	.00	.29	13	6	1079	.0	2
1018.0	6:45	3.75	46	46	.00	.29	13	6	1077	.0	2
1020.0	6:56	3.60	46	47	.00	.29	13	6	1081	.0	2
1022.0	6:59	3.47	45	46	.00	.29	13	6	1081	.0	2
1024.0	7: 2	3.52	45	47	.00	.29	13	6	1084	.0	2
1026.0	7: 5	3.59	45	47	.00	.29	13	6	1086	.0	2
1028.0	7: 7	3.56	45	47	.00	.29	13	6	1086	.0	2
697											
1030.0	7:17	3.40	45	47	.00	.29	13	6	1077	.0	1
1032.0	7:19	3.47	46	47	.00	.29	13	6	1072	.0	2
1034.0	7:21	3.40	46	47	.00	.29	13	6	1072	.0	2
1036.0	7:23	3.47	46	47	.00	.29	13	6	1083	.0	2
1038.0	7:25	3.42	46	47	.00	.29	13	6	1107	.0	2
1040.0	7:32	3.49	45	47	.00	.29	13	6	1094	.0	2
1042.0	7:35	3.48	45	47	.00	.29	13	6	1094	.0	2
1044.0	7:37	3.56	45	47	.00	.29	13	6	1095	.0	2
1046.0	7:40	3.48	45	47	.00	.29	13	6	1095	.0	2
1050.0	7:53	3.60	45	46	.00	.29	13	6	1085	.0	3
717											
1052.0	7:55	3.42	45	46	.00	.29	13	6	1076	.0	2
1054.0	7:57	3.47	45	46	.00	.29	13	6	1076	.0	2
1056.0	7:59	3.47	45	47	.00	.29	13	6	1076	.0	2
1058.0	8: 7	3.37	45	47	.00	.29	13	6	1076	.0	2
1060.0	8: 9	3.52	45	47	.00	.29	13	6	1082	.0	2
1070.0	8:27	3.60	45	47	.00	.29	13	6	1098	.0	2
1072.0	8:30	3.65	45	47	.00	.29	13	6	1098	.0	2
1074.0	8:34	3.77	45	47	.00	.29	13	6	1098	.0	2
1076.0	8:36	3.58	45	47	.00	.29	13	6	1098	.0	2
1078.0	8:44	3.47	45	48	.00	.29	13	6	1096	.0	2
737											
1080.0	8:47	3.37	45	47	.00	.29	13	6	1083	.0	2
1082.0	8:50	3.47	45	47	.00	.29	13	6	1086	.0	2
1084.0	8:54	3.54	45	47	.00	.29	13	6	1090	.0	2
1086.0	8:57	3.54	45	47	.00	.29	13	6	1090	.0	2
1088.0	9: 7	3.62	45	47	.00	.29	13	6	1079	.0	2
1090.0	9:11	3.63	44	47	.00	.29	13	6	1072	.0	2
1092.0	9:15	3.66	44	47	.00	.29	13	6	1072	.0	2
1094.0	9:18	3.52	44	47	.00	.29	13	6	1072	.0	2
1096.0	9:20	3.40	44	47	.00	.29	13	6	1072	.0	2
1098.0	9:30	3.53	44	47	.00	.29	13	6	1072	.0	2
757											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	757										
1100.0	9:33	3.48	44	46	.00	.29	13	6	1076	.0	2
1102.0	9:36	3.58	44	47	.00	.29	13	6	1076	.0	2
1104.0	9:40	3.68	45	47	.00	.29	13	6	1072	.0	2
1106.0	9:49	3.58	45	47	.00	.29	13	6	1072	.0	2
1108.0	9:55	3.73	44	46	.00	.29	13	6	1084	.0	2
1110.0	10: 0	3.69	44	46	.00	.29	13	6	1084	.0	2
1112.0	10: 4	3.73	44	46	.00	.29	13	6	1087	.0	2
1114.0	10: 8	3.65	44	47	.00	.29	13	6	1090	.0	2
1116.0	10:19	3.64	44	46	.00	.29	13	6	1091	.0	2
1118.0	10:22	3.64	44	43	.00	.29	13	6	1089	.0	2
	777										
1120.0	10:27	3.80	44	45	.00	.29	13	6	1089	.0	2
1122.0	10:33	3.95	43	46	.00	.29	13	6	1089	.0	2
1124.0	10:38	3.84	43	46	.00	.29	13	6	1089	.0	2
1126.0	10:50	3.75	43	46	.00	.29	13	6	1086	.0	2
1128.0	10:56	3.99	43	46	.00	.29	13	6	1086	.0	2
1130.0	11: 2	3.90	44	46	.00	.29	13	6	1086	.0	2
1132.0	11: 8	3.90	43	46	.00	.29	13	6	1090	.0	2
1134.0	11:13	3.78	43	46	.00	.29	13	6	1090	.0	2
1136.0	11:26	3.96	43	45	.00	.29	13	6	1081	.0	2
1154.0	12:58	3.85	43	45	.00	.29	13	6	1089	.0	2
	797										
1156.0	13:11	3.72	42	44	.00	.30	13	6	1096	.0	2
1158.0	13:15	3.73	42	44	.00	.30	13	6	1096	.0	2
1160.0	13:20	3.85	42	43	.00	.30	13	6	650	.0	2
1162.0	13:22	3.61	42	42	.00	.30	13	6	550	.0	1
1170.0	13:23	3.80	42	42	.00	.30	13	6	547	.0	1
1172.0	13:28	3.93	42	41	.00	.30	13	6	553	.0	2
1174.0	13:45	3.97	42	43	.00	.29	13	6	1003	.0	2
1176.0	13:52	3.93	42	44	.00	.29	13	6	1071	.0	2
1178.0	13:59	3.95	43	44	.00	.29	13	6	1078	.0	2
1180.0	14:22	4.01	43	44	.00	.30	13	6	794	.0	2
	815										
1184.0	14:50	3.86	43	43	.00	.30	13	6	586	.0	3
1186.0	14:58	3.99	43	42	.00	.30	13	6	607	.0	2
1188.0	15: 6	4.00	42	42	.00	.30	13	6	614	.0	2
1190.0	15:13	3.84	41	41	.00	.30	13	6	614	.0	2
1192.0	15:33	3.91	40	41	.00	.30	13	6	643	.0	2
1194.0	15:40	4.14	39	40	.00	.30	13	6	1087	.0	2
1196.0	15:46	4.08	39	41	.00	.30	13	6	1092	.0	2
1198.0	15:57	4.41	39	40	.00	.30	13	6	1088	.0	2
1200.0	16: 8	4.31	39	41	.00	.30	13	6	1091	.0	2
1202.0	16:27	4.17	39	40	.00	.30	13	6	1090	.0	2
	836										
1204.0	16:32	4.07	40	40	.00	.29	13	6	1129	.0	2
1206.0	16:38	4.03	40	41	.00	.29	13	6	1127	.0	2
1208.0	16:44	4.09	40	41	.00	.29	13	6	1125	.0	2
1210.0	16:50	4.08	41	42	.00	.29	13	6	1125	.0	2
1212.0	17: 2	3.97	40	42	.00	.29	13	6	1119	.0	2
1214.0	17: 8	4.06	40	42	.00	.29	13	6	1109	.0	2
1216.0	17:14	4.11	40	43	.00	.29	13	6	1077	.0	2
1218.0	17:23	4.30	41	43	.00	.29	13	6	1077	.0	2
1220.0	17:31	4.26	41	43	.00	.30	11	5	1055	.0	2
1222.0	17:46	4.18	41	43	.00	.30	9	4	1069	.0	2
	856										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
856											
1224.0	17:54	4.13	41	43	.00	.30	9	4	1089	.0	2
1226.0	18: 2	4.10	41	43	.00	.29	9	4	1111	.0	2
1228.0	18:14	4.22	41	44	.00	.29	9	4	1119	.0	2
1230.0	18:21	4.12	42	44	.00	.29	9	4	1119	.0	2
1232.0	18:36	3.66	42	44	.00	.29	9	4	1119	.0	1
1234.0	18:45	4.24	42	44	.00	.29	9	4	1126	.0	2
1236.0	18:52	4.11	42	44	.00	.29	9	4	1126	.0	2
1238.0	19: 1	4.21	42	44	.00	.29	9	4	1126	.0	2
1239.0	19: 5	4.17	42	44	.00	.29	9	4	1126	.0	1
NEW BIT ID: 4											
1244.0	0:16	3.77	37	256	.00	.00	12	9	936	.0	3
879											
1246.0	0:24	3.75	38	148	.00	.00	12	9	934	.0	2
1248.0	0:32	3.81	38	41	.00	.00	12	9	933	.0	2
1250.0	0:41	3.78	38	41	.00	.00	12	9	933	.0	2
1252.0	0:50	3.92	38	42	.00	.00	12	9	509	.0	2
1254.0	1: 0	3.86	38	42	.00	.00	12	9	909	.0	2
1256.0	1: 9	4.16	39	42	.00	.00	12	9	909	.0	2
1258.0	1:17	4.14	39	42	.00	.00	12	9	909	.0	2
1260.0	1:25	4.13	39	42	.00	.00	12	9	909	.0	2
1262.0	1:33	4.10	39	42	.00	.00	12	9	909	.0	2
1264.0	1:41	4.13	39	42	.00	.00	12	9	909	.0	2
899											
1266.0	1:48	4.11	39	42	.00	.00	12	9	936	.0	2
1268.0	1:55	3.97	39	42	.00	.00	12	9	940	.0	2
1270.0	2:15	3.92	38	41	.00	.15	10	8	950	.0	2
1272.0	2:22	3.95	38	40	.00	.29	8	6	961	.0	2
1274.0	2:28	3.95	38	40	.00	.29	8	6	961	.0	2
1276.0	2:34	3.94	38	40	.00	.29	8	6	949	.0	2
1278.0	2:40	3.93	38	41	.00	.29	8	6	951	.0	2
1280.0	2:54	3.83	37	41	.00	.29	8	6	966	.0	2
1282.0	2:59	3.99	37	40	.00	.29	8	6	941	.0	2
1284.0	3: 6	3.98	38	40	.00	.29	8	6	953	.0	2
919											
1286.0	3:12	3.98	38	41	.00	.29	8	6	957	.0	2
1288.0	3:17	3.94	38	40	.00	.29	8	6	957	.0	2
1292.0	3:33	3.90	38	41	.00	.29	8	6	958	.0	2
1294.0	3:39	4.03	38	41	.00	.29	8	6	960	.0	2
1296.0	3:45	4.04	38	41	.00	.29	8	6	959	.0	2
1298.0	3:52	4.04	38	41	.00	.29	8	6	957	.0	2
1300.0	4: 4	4.03	38	41	.00	.29	8	6	957	.0	2
1302.0	4:10	4.04	37	41	.00	.30	8	6	948	.0	2
1304.0	4:16	4.06	38	41	.00	.29	8	6	951	.0	2
1306.0	4:22	4.08	38	41	.00	.29	8	6	949	.0	2
939											
1308.0	4:36	4.01	38	41	.00	.29	8	6	954	.0	2
1310.0	4:42	4.01	37	41	.00	.29	8	6	969	.0	2
1312.0	4:48	3.96	37	40	.00	.30	8	6	967	.0	2
1314.0	4:53	4.00	37	40	.00	.29	8	6	967	.0	2
1316.0	4:59	3.99	37	40	.00	.29	8	6	967	.0	2
1318.0	5:11	4.00	37	40	.00	.30	8	6	959	.0	2
1320.0	5:16	4.03	38	41	.00	.29	8	6	958	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
953											
1322.0	5:21	4.02	38	41	.00	.29	8	6	958	.0	2
1324.0	5:26	3.86	37	41	.00	.30	65	6	1019	.0	2
1328.0	5:43	4.01	37	41	.00	.29	8	6	974	.0	3
1330.0	5:49	4.00	37	41	.00	.29	8	6	978	.0	2
1332.0	5:56	4.02	37	41	.00	.30	8	6	958	.0	2
1334.0	6: 2	4.04	37	41	.00	.30	8	6	956	.0	2
1338.0	6:21	4.04	38	41	.00	.30	8	6	961	.0	3
1340.0	6:27	4.05	38	40	.00	.29	8	6	971	.0	2
1342.0	6:34	4.06	38	40	.00	.30	7	6	974	.0	2
1344.0	6:40	4.01	38	40	.00	.29	6	5	977	.0	2
975											
1346.0	6:52	4.02	38	41	.00	.29	6	5	968	.0	2
1348.0	6:59	4.01	38	41	.00	.29	6	5	953	.0	2
1350.0	7: 5	4.02	38	41	.00	.29	6	5	956	.0	2
1352.0	7:12	3.99	38	41	.00	.29	6	5	958	.0	2
1354.0	7:19	4.03	38	42	.00	.29	6	5	960	.0	2
1356.0	7:34	4.05	38	42	.00	.29	6	5	891	.0	2
1358.0	7:41	4.01	38	41	.00	.29	6	5	974	.0	2
1360.0	7:48	4.02	38	41	.00	.29	6	5	974	.0	2
1362.0	7:55	4.06	38	41	.00	.29	6	5	972	.0	2
1364.0	8: 1	4.02	38	41	.00	.29	6	5	970	.0	2
995											
1366.0	8:18	4.13	38	41	.00	.29	6	5	658	.0	2
1368.0	8:25	3.97	38	42	.00	.29	6	5	990	.0	2
1370.0	8:33	3.96	38	42	.00	.29	6	5	994	.0	2
1372.0	8:41	4.02	38	42	.00	.29	6	5	982	.0	2
1376.0	9: 1	4.00	39	42	.00	.29	6	5	978	.0	3
1378.0	9: 8	4.01	39	42	.00	.29	6	5	973	.0	2
1380.0	9:15	3.98	39	42	.00	.29	6	5	977	.0	2
1382.0	9:22	3.97	38	43	.00	.29	6	5	977	.0	2
1390.0	9:54	3.93	39	43	.00	.29	6	5	968	.0	1
1392.0	10: 0	3.95	38	43	.00	.29	6	5	966	.0	2
1015											
1394.0	10:13	7.91	38	43	.00	.29	6	5	966	.0	3
1396.0	10:20	3.97	38	43	.00	.29	6	5	989	.0	2
1398.0	10:27	4.03	39	43	.00	.29	6	5	977	.0	2
1400.0	10:33	4.04	39	43	.00	.29	6	5	969	.0	2
1402.0	10:40	4.08	39	43	.00	.29	6	5	969	.0	2
1404.0	10:52	4.12	38	43	.00	.29	6	5	640	.0	1
1406.0	11: 0	4.14	38	43	.00	.29	6	5	833	.0	2
1408.0	11: 7	4.06	38	43	.00	.29	6	5	966	.0	2
1410.0	11:14	4.07	39	43	.00	.29	6	5	970	.0	2
1412.0	11:20	4.06	38	43	.00	.29	6	5	967	.0	2
1035											
1416.0	11:38	3.96	39	43	.00	.29	6	5	984	.0	2
1418.0	11:45	4.07	39	43	.00	.29	6	5	988	.0	2
1420.0	11:52	4.10	39	44	.00	.29	6	5	990	.0	2
1422.0	12: 3	3.94	39	44	.00	.29	6	5	975	.0	1
1424.0	12:12	4.09	39	44	.00	.29	6	5	662	.0	2
1426.0	12:20	4.00	39	44	.00	.29	6	5	965	.0	2
1428.0	12:27	4.05	39	44	.00	.29	6	5	975	.0	2
1430.0	12:35	4.06	39	44	.00	.29	6	5	975	.0	2
1432.0	12:49	4.14	39	44	.00	.29	6	5	979	.0	2
1434.0	12:57	4.12	39	44	.00	.29	6	5	979	.0	2
1054											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1054											
1436.0	13: 5	4.13	39	44	.00	.29	6	5	981	.0	2
1438.0	13:12	4.09	39	44	.00	.29	6	5	983	.0	2
1440.0	13:18	4.09	39	44	.00	.29	6	5	983	.0	2
1442.0	13:29	4.04	39	45	.00	.29	6	5	988	.0	2
1444.0	13:35	4.08	40	45	.00	.29	5	4	1006	.0	2
1446.0	13:41	4.05	40	45	.00	.29	5	4	1006	.0	2
1448.0	13:47	4.05	40	45	.00	.29	5	4	1006	.0	2
1450.0	13:53	4.06	40	45	.00	.29	5	4	1006	.0	2
1452.0	14: 5	4.05	39	45	.00	.29	5	4	990	.0	1
1454.0	14:12	4.09	39	45	.00	.29	5	4	1009	.0	2
1073											
1456.0	14:18	4.11	40	45	.00	.29	5	4	976	.0	2
1458.0	14:24	4.12	40	46	.00	.29	5	4	986	.0	2
1462.0	14:44	4.08	40	46	.00	.29	5	4	986	.0	3
1464.0	14:50	4.01	40	46	.00	.29	5	4	992	.0	2
1466.0	14:57	4.07	40	46	.00	.29	5	4	991	.0	2
1468.0	15: 3	4.12	40	46	.00	.29	5	4	989	.0	2
1470.0	15:16	4.09	40	45	.00	.29	5	4	992	.0	2
1472.0	15:22	4.13	40	46	.00	.29	5	4	997	.0	2
1474.0	15:28	4.16	41	46	.00	.29	5	4	1000	.0	2
1476.0	15:35	4.16	41	46	.00	.29	5	4	1003	.0	2
1094											
1478.0	15:42	4.16	41	46	.00	.29	5	4	1007	.0	2
1480.0	16: 0	4.18	41	46	.00	.29	5	4	925	.0	2
1482.0	16: 7	4.17	40	46	.00	.29	5	4	987	.0	2
1484.0	16:13	4.15	41	46	.00	.29	5	4	990	.0	2
1486.0	16:19	4.15	40	46	.00	.29	5	4	990	.0	2
1488.0	16:25	4.10	41	46	.00	.29	5	4	992	.0	2
1490.0	16:37	4.10	41	46	.00	.29	5	4	991	.0	2
1492.0	16:44	4.13	41	46	.00	.29	5	4	987	.0	2
1494.0	16:50	4.11	41	46	.00	.29	5	4	987	.0	2
1496.0	16:56	4.11	41	46	.00	.29	5	4	987	.0	2
1114											
1498.0	17: 2	4.13	41	46	.00	.29	5	4	987	.0	2
1500.0	17:15	4.12	41	46	.00	.29	5	4	987	.0	1
1502.0	17:22	3.85	41	46	.00	.29	5	4	1004	.0	2
1504.0	17:28	3.86	41	46	.00	.29	5	4	980	.0	2
1506.0	17:35	3.89	41	46	.00	.29	5	4	980	.0	2
1508.0	17:49	3.90	41	46	.00	.29	5	4	982	.0	2
1510.0	17:56	3.96	41	46	.00	.29	5	4	993	.0	2
1512.0	18: 2	4.08	41	46	.00	.29	5	4	993	.0	2
1514.0	18: 8	4.07	41	46	.00	.29	5	4	996	.0	2
1516.0	18:14	4.04	41	46	.00	.29	5	4	996	.0	2
1133											
1518.0	18:26	3.98	41	46	.00	.29	5	4	985	.0	2
1520.0	18:32	4.07	41	46	.00	.29	5	4	1002	.0	2
1522.0	18:38	4.07	41	46	.00	.29	5	4	1002	.0	2
1524.0	18:44	4.06	41	46	.00	.29	5	4	1002	.0	2
1526.0	18:51	4.10	41	46	.00	.29	5	4	1005	.0	2
1528.0	19: 7	4.05	41	46	.00	.29	5	4	900	.0	2
1530.0	19:13	4.11	40	45	.00	.29	5	4	937	.0	2
1532.0	19:19	4.12	41	45	.00	.29	5	4	983	.0	2
1534.0	19:25	4.09	40	45	.00	.29	5	4	1002	.0	2
1536.0	19:31	4.13	40	45	.00	.29	5	4	718	.0	2
1153											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1153											
1538.0	19:45	4.06	40	45	.00	.29	5	4	946	.0	2
1540.0	19:51	4.12	40	45	.00	.29	5	4	979	.0	2
1542.0	19:57	4.08	40	44	.00	.29	5	4	979	.0	2
1544.0	20: 3	4.03	39	44	.00	.29	5	4	979	.0	2
1546.0	20: 8	4.03	39	44	.00	.29	5	4	981	.0	2
1548.0	20:19	4.03	39	45	.00	.29	5	4	997	.0	2
1550.0	20:25	4.04	38	45	.00	.29	5	4	894	.0	2
1552.0	20:33	4.22	38	44	.00	.29	5	4	831	.0	2
1554.0	20:45	4.40	38	44	.00	.29	5	4	951	.0	2
1556.0	21: 0	4.27	38	44	.00	.29	5	4	952	.0	2
1173											
1558.0	21:11	4.33	37	44	.00	.29	5	4	937	.0	2
1560.0	21:22	4.31	38	43	.00	.29	5	4	937	.0	2
1562.0	21:33	4.35	37	43	.00	.29	5	4	937	.0	2
1564.0	21:44	4.35	37	43	.00	.29	5	4	937	.0	2
1566.0	22: 1	4.34	37	43	.00	.29	5	4	945	.0	2
1568.0	22:11	4.31	37	43	.00	.29	5	4	965	.0	2
1570.0	22:20	4.29	37	43	.00	.29	5	4	945	.0	2
1572.0	22:31	4.35	37	42	.00	.29	5	4	945	.0	2
1574.0	22:41	4.35	37	42	.00	.29	5	4	950	.0	2
1576.0	22:58	4.31	36	42	.00	.29	5	4	953	.0	2
1193											
1578.0	23: 7	4.29	36	42	.00	.29	5	4	957	.0	2
1580.0	23:17	4.29	37	41	.00	.29	5	4	962	.0	2
1582.0	23:27	4.32	37	41	.00	.29	5	4	962	.0	2
1584.0	23:37	4.33	37	41	.00	.29	5	4	962	.0	2
1586.0	23:56	4.23	37	41	.00	.30	5	4	925	.0	2
1588.0	0: 8	4.22	37	41	.00	.29	5	4	931	.0	2
1590.0	0:20	4.27	37	41	.00	.29	5	4	968	.0	2
1592.0	0:30	4.33	37	41	.00	.29	5	4	974	.0	2
1594.0	0:41	4.28	37	41	.00	.29	5	4	978	.0	2
1596.0	0:58	4.29	37	41	.00	.29	5	4	975	.0	2
1213											
1598.0	1: 8	4.26	37	41	.00	.29	5	4	961	.0	2
1600.0	1:18	4.28	37	41	.00	.29	5	4	961	.0	2
1602.0	1:28	4.27	37	41	.00	.29	5	4	963	.0	2
1603.0	1:33	4.25	37	42	.00	.29	5	4	968	.0	1
NEW BIT ID: 5											
1604.0	8:22	3.79	32	38	.00	.29	5	4	932	.0	1
1606.0	8:33	3.97	33	39	.00	.29	5	4	973	.0	2
1608.0	8:39	3.77	35	39	.00	.29	5	4	973	.0	2
1610.0	8:45	3.80	37	38	.00	.29	5	4	969	.0	2
1612.0	8:51	3.82	37	39	.00	.29	5	4	967	.0	2
1614.0	8:57	3.84	37	39	.00	.29	5	4	964	.0	2
1235											
1616.0	9: 9	3.71	38	40	.00	.29	5	4	959	.0	2
1618.0	9:15	3.86	38	40	.00	.30	5	4	953	.0	2
1620.0	9:21	3.85	38	40	.00	.30	5	4	968	.0	2
1622.0	9:27	3.85	38	41	.00	.30	5	4	972	.0	2
1624.0	9:40	3.87	39	39	.00	.30	5	4	923	.0	2
1626.0	9:47	4.03	38	27	.00	.30	5	4	683	.0	2
1628.0	9:55	3.96	37	27	.00	.30	5	4	894	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1249											
1630.0	10: 1	3.94	37	31	.00	.30	5	4	958	.0	2
1632.0	10: 7	3.89	29	35	.00	.30	5	4	942	.0	2
1634.0	10:19	3.87	26	36	.00	.30	5	4	908	.0	2
1636.0	10:23	3.73	32	36	.00	.30	5	4	977	.0	2
1638.0	10:28	3.74	34	38	.00	.30	5	4	982	.0	2
1640.0	10:32	3.77	35	40	.00	.34	5	4	980	.0	2
1642.0	10:46	3.90	37	40	.00	.31	5	4	877	.0	2
1644.0	10:51	3.90	38	40	.00	.30	5	4	894	.0	2
1646.0	10:56	3.83	38	39	.00	.30	5	4	957	.0	2
1648.0	11: 1	3.75	38	39	.00	.43	5	4	977	.0	2
1269											
1650.0	11: 7	3.85	38	39	.00	.33	5	4	918	.0	2
1652.0	11:16	3.71	37	40	.00	.29	5	4	952	.0	1
1654.0	11:21	3.84	36	40	.00	.29	5	4	947	.0	2
1656.0	11:25	3.86	37	40	.00	.29	5	4	948	.0	2
1658.0	11:30	3.82	37	42	.00	.30	5	4	945	.0	2
1660.0	11:35	3.80	38	42	.00	.30	5	4	971	.0	2
1662.0	11:44	3.70	39	41	.00	.30	5	4	932	.0	1
1664.0	11:49	3.86	39	41	.00	.30	5	4	910	.0	2
1666.0	11:54	3.88	40	41	.00	.31	5	4	1005	.0	2
1668.0	11:59	3.91	40	40	.00	.32	5	4	990	.0	2
1287											
1670.0	12: 4	3.92	40	41	.00	.33	5	4	988	.0	2
1672.0	12:17	3.88	40	41	.00	.30	5	4	983	.0	2
1674.0	12:22	3.87	40	41	.00	.29	5	4	980	.0	2
1676.0	12:26	3.95	40	41	.00	.30	5	4	978	.0	2
1678.0	12:31	4.00	40	41	.00	.31	5	4	978	.0	2
1680.0	12:37	4.00	40	41	.00	.32	5	4	978	.0	2
1682.0	12:49	3.98	40	41	.00	.30	5	4	755	.0	1
1684.0	12:54	4.02	40	41	.00	.30	5	4	938	.0	2
1686.0	12:59	3.99	40	41	.00	.31	5	4	983	.0	2
1688.0	13: 5	3.94	40	40	.00	.31	5	4	983	.0	2
1306											
1690.0	13:17	3.98	40	41	.00	.30	5	4	984	.0	2
1692.0	13:24	3.94	40	41	.00	.30	5	4	982	.0	2
1694.0	13:29	3.91	40	41	.00	.30	5	4	985	.0	2
1696.0	13:36	3.99	39	41	.00	.33	5	4	978	.0	2
1698.0	13:42	3.92	40	42	.00	.35	5	4	974	.0	2
1700.0	13:54	3.83	40	42	.00	.33	5	4	974	.0	2
1702.0	13:59	3.84	40	40	.00	.30	5	4	803	.0	2
1704.0	14: 5	3.89	40	41	.00	.31	5	4	794	.0	2
1706.0	14:10	3.88	40	41	.00	.30	5	4	960	.0	2
1708.0	14:15	3.72	40	41	.00	.30	5	4	960	.0	2
1326											
1710.0	14:25	3.66	39	41	.00	.30	5	4	960	.0	1
1712.0	14:30	3.81	39	41	.00	.30	5	4	884	.0	2
1714.0	14:35	3.80	40	42	.00	.31	5	4	995	.0	2
1716.0	14:39	3.80	39	42	.00	.33	5	4	995	.0	2
1718.0	14:45	3.83	40	43	.00	.33	5	4	983	.0	2
1720.0	14:57	3.76	40	44	.00	.32	5	4	971	.0	2
1722.0	15: 3	3.83	40	43	.00	.30	5	4	971	.0	2
1724.0	15: 8	3.85	41	43	.00	.33	5	4	977	.0	2
1726.0	15:12	3.74	41	43	.00	.33	9	5	983	.0	2
1732.0	15:27	3.76	41	43	.00	.31	12	6	998	.0	3
1346											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1346											
1734.0	15:32	3.79	41	43	.00	.30	12	6	991	.0	2
1736.0	15:38	3.75	41	43	.00	.31	12	6	986	.0	2
1738.0	15:42	3.75	41	43	.00	.32	12	6	983	.0	2
1740.0	15:56	3.84	42	44	.00	.32	12	6	983	.0	2
1742.0	16: 1	3.85	42	44	.00	.32	12	6	975	.0	2
1744.0	16: 5	3.81	43	44	.00	.32	12	6	975	.0	2
1746.0	16:10	3.81	43	45	.00	.32	12	6	975	.0	2
1748.0	16:22	3.83	43	45	.00	.32	12	6	973	.0	2
1750.0	16:27	3.81	43	45	.00	.30	12	6	997	.0	2
1752.0	16:33	3.84	43	45	.00	.30	12	6	992	.0	2
1366											
1754.0	16:38	3.78	44	45	.00	.30	12	6	992	.0	2
1756.0	16:43	3.84	44	46	.00	.30	12	6	992	.0	2
1758.0	16:55	3.81	44	46	.00	.30	12	6	983	.0	2
1760.0	16:59	3.90	44	45	.00	.30	12	6	965	.0	2
1762.0	17: 3	3.84	44	46	.00	.30	12	6	965	.0	2
1764.0	17: 6	3.86	45	46	.00	.30	12	6	965	.0	2
1766.0	17:10	3.90	45	46	.00	.30	12	6	965	.0	2
1768.0	17:18	3.72	45	46	.00	.30	12	6	956	.0	2
1770.0	17:22	3.89	45	46	.00	.30	12	6	954	.0	2
1772.0	17:25	3.77	45	46	.00	.30	12	6	954	.0	2
1386											
1774.0	17:28	3.86	45	46	.00	.30	12	6	954	.0	2
1776.0	17:32	3.83	45	46	.00	.30	12	6	954	.0	2
1778.0	17:43	3.79	45	46	.00	.30	12	6	973	.0	2
1780.0	17:47	3.84	45	46	.00	.30	12	6	978	.0	2
1782.0	17:51	3.77	46	47	.00	.30	12	6	979	.0	2
1784.0	17:56	3.83	46	47	.00	.30	12	6	981	.0	2
1786.0	18: 8	3.81	46	47	.00	.30	12	6	981	.0	2
1788.0	18:12	3.71	46	47	.00	.32	12	6	975	.0	2
1790.0	18:16	3.85	46	47	.00	.30	12	6	975	.0	2
1792.0	18:21	3.81	47	48	.00	.31	12	6	979	.0	2
1406											
1794.0	18:25	3.82	47	48	.00	.32	12	6	979	.0	2
1796.0	18:38	3.70	47	48	.00	.32	12	6	979	.0	2
1798.0	18:42	3.77	47	48	.00	.30	12	6	979	.0	2
1800.0	18:47	3.82	48	48	.00	.31	12	6	983	.0	2
1802.0	18:50	3.73	48	48	.00	.31	12	6	983	.0	2
1804.0	18:54	3.77	48	48	.00	.31	12	6	981	.0	2
1806.0	19: 5	3.82	48	48	.00	.30	12	6	978	.0	2
1808.0	19: 9	3.73	48	48	.00	.30	12	6	980	.0	2
1810.0	19:14	3.84	48	48	.00	.30	12	6	982	.0	2
1812.0	19:18	3.81	48	48	.00	.32	12	6	984	.0	2
1426											
1814.0	19:23	3.86	48	48	.00	.32	12	6	984	.0	2
1816.0	19:34	3.73	48	48	.00	.32	12	6	990	.0	2
1818.0	19:39	3.84	48	49	.00	.32	12	6	989	.0	2
1820.0	19:43	3.76	48	49	.00	.32	12	6	974	.0	2
1822.0	19:48	3.85	49	49	.00	.32	12	6	974	.0	2
1826.0	20: 4	3.86	49	48	.00	.32	12	6	980	.0	3
1828.0	20: 8	3.85	49	49	.00	.32	12	6	986	.0	2
1830.0	20:13	3.96	49	49	.00	.32	12	6	986	.0	2
1832.0	20:16	3.86	49	49	.00	.32	12	6	986	.0	2
1834.0	20:30	3.84	49	48	.00	.32	12	6	986	.0	2
1447											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1447											
1836.0	20:34	3.84	49	49	.00	.32	12	6	977	.0	2
1838.0	20:40	3.78	49	49	.00	.32	12	6	980	.0	2
1840.0	20:44	3.82	49	48	.00	.32	12	6	980	.0	2
1842.0	20:49	3.81	49	48	.00	.45	12	6	980	.0	2
1844.0	21: 2	3.71	49	48	.00	.46	12	6	980	.0	2
1846.0	21: 7	3.84	49	49	.00	.29	12	6	936	.0	1
1848.0	21:10	3.76	49	49	.00	.30	12	6	992	.0	2
1850.0	21:15	3.77	49	49	.00	.30	12	6	991	.0	2
1852.0	21:18	3.76	49	50	.00	.29	12	6	962	.0	2
1854.0	21:36	3.77	49	50	.00	.29	12	6	952	.0	2
1466											
1856.0	21:40	3.82	49	50	.00	.30	12	6	952	.0	2
1858.0	21:44	3.80	49	50	.00	.30	12	6	952	.0	2
1860.0	21:48	3.79	49	50	.00	.30	12	6	952	.0	2
1862.0	21:51	3.80	49	50	.00	.30	12	6	952	.0	2
1864.0	22: 5	3.85	49	50	.00	.30	12	6	978	.0	2
1866.0	22: 9	3.81	49	50	.00	.30	12	6	983	.0	2
1868.0	22:12	3.77	49	50	.00	.30	12	6	983	.0	2
1870.0	22:22	3.78	49	50	.00	.30	12	6	925	.0	2
1872.0	22:29	3.83	49	50	.00	.30	12	6	862	.0	2
1874.0	22:40	3.80	49	50	.00	.33	12	6	961	.0	2
1486											
1876.0	22:44	3.78	49	50	.00	.32	12	6	966	.0	2
1878.0	22:48	3.82	49	50	.00	.32	12	6	966	.0	2
1880.0	22:52	3.75	49	50	.00	.31	12	6	966	.0	2
1882.0	23: 4	3.84	49	50	.00	.31	12	6	975	.0	2
1884.0	23: 8	3.78	49	50	.00	.31	12	6	992	.0	2
1886.0	23:12	3.79	49	50	.00	.30	12	6	983	.0	2
1888.0	23:16	3.80	49	50	.00	.30	12	6	983	.0	2
1890.0	23:19	3.78	49	50	.00	.30	12	6	983	.0	2
1892.0	23:30	3.80	49	50	.00	.30	12	6	950	.0	2
1894.0	23:34	3.83	49	50	.00	.30	12	6	879	.0	2
1506											
1896.0	23:39	3.90	49	50	.00	.30	12	6	586	.0	2
1898.0	23:43	3.82	49	50	.00	.30	12	6	820	.0	2
1900.0	23:47	3.70	49	50	.00	.30	12	6	986	.0	2
1902.0	23:58	3.81	49	50	.00	.30	13	7	976	.0	2
1904.0	0: 1	3.73	49	50	.00	.30	13	8	966	.0	2
1906.0	0: 5	3.85	49	50	.00	.33	13	8	969	.0	2
1908.0	0:10	3.81	49	50	.00	.30	13	8	969	.0	2
1910.0	0:14	3.83	49	50	.00	.30	13	8	971	.0	2
1912.0	0:23	3.83	49	50	.00	.30	13	8	965	.0	1
1914.0	0:28	3.86	49	50	.00	.30	13	8	965	.0	2
1525											
1916.0	0:33	3.82	49	50	.00	.32	13	8	964	.0	2
1918.0	0:38	3.84	49	50	.00	.31	13	8	962	.0	2
1920.0	0:51	3.65	49	50	.00	.31	13	8	962	.0	2
1922.0	0:55	3.82	49	50	.00	.33	13	8	953	.0	2
1924.0	0:58	3.80	49	50	.00	.33	13	8	949	.0	2
1926.0	1: 3	3.87	49	50	.00	.33	13	8	949	.0	2
1928.0	1: 7	3.83	49	50	.00	.33	13	8	949	.0	2
1930.0	1:17	3.85	49	50	.00	.34	13	8	959	.0	2
1932.0	1:22	3.85	49	50	.00	.34	13	8	963	.0	2
1934.0	1:27	3.85	49	50	.00	.34	13	8	963	.0	2
1545											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1545											
1936.0	1:33	3.86	49	50	.00	.34	13	8	949	.0	2
1938.0	1:37	3.79	49	50	.00	.34	13	8	945	.0	2
1940.0	1:47	3.71	49	50	.00	.34	13	8	951	.0	2
1942.0	1:52	3.84	49	50	.00	.34	13	8	957	.0	2
1944.0	1:57	3.89	49	50	.00	.34	13	8	957	.0	2
1946.0	2: 3	3.87	49	50	.00	.34	13	8	956	.0	2
1948.0	2: 8	3.90	49	49	.00	.34	13	8	956	.0	2
1952.0	2:23	3.89	49	49	.00	.34	13	8	953	.0	2
1954.0	2:28	3.83	49	48	.00	.34	12	7	962	.0	2
1956.0	2:32	3.85	49	48	.00	.34	12	7	962	.0	2
1565											
1958.0	2:47	3.86	49	48	.00	.34	12	7	953	.0	2
1960.0	2:52	3.86	49	48	.00	.34	12	7	940	.0	2
1962.0	2:57	3.85	49	49	.00	.34	12	7	940	.0	2
1964.0	3: 2	3.89	49	49	.00	.34	12	7	943	.0	2
1966.0	3:18	3.85	49	50	.00	.34	12	7	943	.0	2
1968.0	3:19	3.72	49	51	.00	.34	12	7	943	.0	1
1970.0	3:23	3.85	49	51	.00	.34	12	7	945	.0	2
1972.0	3:28	3.92	49	52	.00	.34	12	7	947	.0	2
1978.0	3:41	3.87	49	52	.00	.39	12	7	955	.0	3
1980.0	3:45	3.84	49	53	.00	.45	12	7	964	.0	2
1585											
1982.0	3:50	3.88	49	54	.00	.44	12	7	965	.0	2
1984.0	3:55	3.95	49	54	.00	.44	12	7	967	.0	2
1986.0	3:59	3.86	49	55	.00	.44	12	7	967	.0	2
1988.0	4:10	3.94	49	55	.00	.44	12	7	955	.0	2
1990.0	4:15	3.81	49	55	.00	.44	12	7	971	.0	2
1992.0	4:19	3.90	49	55	.00	.44	12	7	973	.0	2
1994.0	4:24	3.83	50	55	.00	.44	12	7	975	.0	2
1996.0	4:29	3.89	50	55	.00	.44	12	7	977	.0	2
1998.0	4:39	3.87	49	54	.00	.44	12	7	952	.0	2
2000.0	4:43	3.83	50	55	.00	.44	12	7	954	.0	2
1605											
2002.0	4:47	3.84	49	55	.00	.44	12	7	955	.0	2
2004.0	4:52	3.88	49	55	.00	.44	12	7	958	.0	2
2006.0	5: 2	3.83	50	55	.00	.44	12	7	958	.0	2
2008.0	5: 7	3.90	49	54	.00	.44	12	7	966	.0	2
2010.0	5:11	3.91	49	55	.00	.44	12	7	959	.0	2
2012.0	5:16	3.84	50	55	.00	.44	12	7	961	.0	2
2014.0	5:20	3.87	50	55	.00	.44	12	7	961	.0	2
2016.0	5:29	3.80	50	55	.00	.44	12	7	965	.0	2
2018.0	5:35	3.90	50	55	.00	.44	12	7	969	.0	2
2020.0	5:40	3.90	49	55	.00	.44	12	7	969	.0	2
1625											
2022.0	5:45	3.91	50	55	.00	.44	12	7	971	.0	2
2024.0	6: 0	3.93	50	55	.00	.44	12	7	962	.0	2
2026.0	6: 4	3.86	50	55	.00	.44	12	7	956	.0	2
2028.0	6: 9	3.94	49	55	.00	.44	12	7	956	.0	2
2030.0	6:15	3.95	50	55	.00	.44	12	7	959	.0	2
2032.0	6:20	3.85	50	56	.00	.44	12	7	964	.0	2
2034.0	6:25	3.95	50	56	.00	.44	12	7	964	.0	2
2038.0	6:41	3.90	50	55	.00	.44	12	7	955	.0	3
2040.0	6:47	3.97	50	54	.00	.44	12	7	886	.0	2
2042.0	6:51	3.95	50	55	.00	.44	12	7	925	.0	2
1646											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
1646											
2044.0	6:56	3.88	50	55	.00	.44	12	7	925	.0	2
2046.0	7: 7	3.86	50	55	.00	.44	12	7	925	.0	2
2048.0	7:13	3.78	50	55	.00	.44	12	7	958	.0	2
2050.0	7:19	3.84	50	55	.00	.44	12	7	953	.0	2
2052.0	7:26	3.82	50	56	.00	.44	12	7	939	.0	2
2054.0	7:36	3.75	50	55	.00	.44	12	7	882	.0	2
2056.0	7:42	3.92	50	55	.00	.44	12	7	887	.0	2
2058.0	7:48	3.82	50	55	.00	.44	12	7	944	.0	2
2060.0	7:53	3.78	51	55	.00	.44	12	7	947	.0	2
2062.0	7:58	3.79	51	55	.00	.44	12	7	947	.0	2
1666											
2066.0	8:16	3.74	51	55	.00	.44	12	7	937	.0	3
2068.0	8:22	3.85	50	55	.00	.44	12	7	924	.0	2
2070.0	8:28	3.85	50	55	.00	.44	12	7	928	.0	2
2072.0	8:34	3.81	50	56	.00	.44	12	7	930	.0	2
2076.0	8:51	3.85	51	56	.00	.40	12	7	938	.0	3
2078.0	8:57	3.81	51	56	.00	.44	12	7	881	.0	2
2080.0	9: 2	3.83	51	56	.00	.39	12	7	916	.0	2
2082.0	9: 8	3.87	51	57	.00	.39	12	7	926	.0	2
2086.0	9:25	3.86	51	56	.00	.40	12	7	923	.0	2
2088.0	9:31	3.83	51	56	.00	.40	12	7	920	.0	2
1688											
2090.0	9:36	3.78	51	56	.00	.40	12	7	918	.0	2
2092.0	9:42	3.82	51	56	.00	.40	12	7	918	.0	2
2094.0	9:53	3.83	51	56	.00	.40	12	7	926	.0	2
2096.0	9:58	3.77	51	56	.00	.40	12	7	918	.0	2
2098.0	10: 3	3.75	50	56	.00	.40	12	7	903	.0	2
2100.0	10: 8	3.79	51	57	.00	.40	12	7	873	.0	2
2102.0	10:26	3.87	51	55	.00	.40	12	7	676	.0	2
2104.0	10:31	3.83	50	55	.00	.40	12	7	830	.0	2
2106.0	10:37	3.87	50	56	.00	.40	12	7	944	.0	2
2108.0	10:43	3.86	50	57	.00	.40	12	7	942	.0	2
1708											
2110.0	10:50	3.94	50	57	.00	.40	12	7	944	.0	2
2112.0	10:57	3.89	51	57	.00	.40	12	7	944	.0	2
2114.0	11:26	3.85	50	57	.00	.40	12	7	901	.0	2
2116.0	11:33	3.95	50	57	.00	.40	12	7	912	.0	2
2118.0	11:40	3.88	50	57	.00	.40	12	7	912	.0	2
2120.0	11:54	3.90	50	57	.00	.38	12	7	912	.0	2
2122.0	12: 1	3.95	50	56	.00	.30	12	7	884	.0	2
2124.0	12: 7	3.88	50	56	.00	.30	12	7	881	.0	2
2126.0	12:14	3.90	51	56	.00	.30	12	7	898	.0	2
2128.0	12:20	3.88	50	56	.00	.30	12	7	882	.0	2
1728											
2130.0	12:37	3.60	50	56	.00	.30	12	7	891	.0	1
2132.0	12:43	3.87	50	56	.00	.30	12	7	892	.0	2
2134.0	12:48	3.80	51	56	.00	.30	12	7	893	.0	2
2136.0	12:53	3.80	51	56	.00	.30	12	7	873	.0	2
2138.0	12:59	3.77	51	56	.00	.31	12	7	888	.0	2
2140.0	13: 4	3.82	51	56	.00	.31	12	7	909	.0	2
2142.0	13:16	3.85	51	56	.00	.30	12	7	902	.0	2
2144.0	13:22	3.93	51	56	.00	.30	12	7	882	.0	2
2146.0	13:27	3.89	50	56	.00	.31	12	7	872	.0	2
2148.0	13:40	3.79	50	56	.00	.30	12	7	873	.0	2
1747											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS	
1747												
2150.0	13:46	3.84	50	56	.00	.30	12	7	879	.0		2
2152.0	14: 2	3.87	51	57	.00	.30	12	7	886	.0		2
2154.0	14: 8	3.92	51	57	.00	.30	12	7	886	.0		2
2156.0	14:14	4.04	52	57	.00	.30	12	7	886	.0		2
2158.0	14:28	3.91	52	57	.00	.30	12	7	887	.0		2
2160.0	14:33	3.86	52	56	.00	.31	12	7	881	.0		2
2162.0	14:38	3.78	52	56	.00	.30	12	7	884	.0		2
2164.0	14:43	3.86	51	56	.00	.31	12	7	884	.0		2
2166.0	14:48	3.90	52	57	.00	.30	12	7	886	.0		2
2168.0	15: 1	3.91	51	56	.00	.36	12	7	887	.0		2
1767												
2170.0	15: 8	3.90	51	57	.00	.78	12	7	887	.0		2
2172.0	15:13	3.84	51	56	.00	.31	12	7	884	.0		2
2174.0	15:19	3.87	51	56	.00	.30	12	7	884	.0		2
2176.0	15:31	3.79	51	57	.00	.30	12	7	896	.0		2
2178.0	15:37	3.93	52	57	.00	.30	12	7	892	.0		2
2180.0	15:43	3.87	51	57	.00	.30	12	7	881	.0		2
2182.0	15:48	3.84	52	57	.00	.30	12	7	883	.0		2
2184.0	15:58	3.88	52	57	.00	.30	12	7	894	.0		2
2186.0	16:10	3.85	52	56	.00	.30	12	7	883	.0		2
2188.0	16:15	3.91	51	56	.00	.30	12	7	873	.0		2
1787												
2190.0	16:21	4.01	52	56	.00	.30	12	7	880	.0		2
2192.0	16:27	3.92	52	57	.00	.30	12	7	885	.0		2
2194.0	16:33	3.93	52	57	.00	.30	12	7	894	.0		2
2196.0	16:45	3.91	52	56	.00	.31	12	7	912	.0		2
2198.0	16:50	3.98	52	56	.00	.30	12	7	912	.0		2
2200.0	16:55	3.92	52	55	.00	.30	12	7	912	.0		2
2202.0	17: 0	3.96	52	55	.00	.30	12	7	912	.0		2
2204.0	17:11	4.03	52	55	.00	.30	12	7	905	.0		2
2206.0	17:16	3.98	52	55	.00	.30	12	7	889	.0		2
2208.0	17:23	4.05	52	55	.00	.30	12	7	889	.0		2
1807												
2210.0	17:29	4.09	52	54	.00	.30	12	7	889	.0		2
2212.0	17:34	4.00	52	54	.00	.30	12	7	889	.0		2
2214.0	17:49	4.01	52	54	.00	.31	12	7	890	.0		2
2216.0	17:55	3.97	52	55	.00	.31	12	7	900	.0		2
2218.0	18: 1	4.04	52	55	.00	.31	12	7	900	.0		2
2220.0	18: 7	3.98	52	55	.00	.31	12	7	900	.0		2
2222.0	18:13	3.98	52	56	.00	.31	12	7	900	.0		2
2224.0	18:28	3.90	52	56	.00	.31	12	7	906	.0		2
2226.0	18:34	3.97	52	57	.00	.31	12	7	888	.0		2
2228.0	18:40	3.94	52	57	.00	.31	12	7	912	.0		2
1827												
2230.0	18:44	3.89	53	57	.00	.31	12	7	867	.0		2
2232.0	18:51	3.99	52	57	.00	.31	12	7	867	.0		2
2234.0	19: 3	4.00	52	57	.00	.31	12	7	886	.0		2
2236.0	19:10	4.02	52	57	.00	.31	12	7	902	.0		2
2238.0	19:15	3.95	52	57	.00	.31	12	7	905	.0		2
2240.0	19:20	3.86	52	57	.00	.31	12	7	901	.0		2
2242.0	19:25	3.89	52	56	.00	.31	12	7	903	.0		2
2244.0	19:40	3.44	53	57	.00	.31	12	7	904	.0		1
2246.0	19:45	3.89	52	57	.00	.31	12	7	885	.0		2
2248.0	19:49	3.82	52	57	.00	.31	12	7	916	.0		2
1846												

DEPTH	TIME	RS	MTI	MTD	MRI	MRD	YPM	PVM	MVI	MDOV	RECDS
1846											
2250.0	19:53	3.89	53	57	.00	.31	12	7	916	.0	2
2252.0	20: 7	3.98	53	57	.00	.31	12	7	916	.0	2
2254.0	20:12	3.91	53	56	.00	.31	12	7	904	.0	2
2256.0	20:18	3.96	52	57	.00	.31	12	7	865	.0	2
2258.0	20:24	3.95	52	57	.00	.31	12	7	882	.0	2
2260.0	20:30	4.02	53	58	.00	.31	12	7	922	.0	2
2262.0	20:43	3.98	53	58	.00	.31	12	7	917	.0	2
2264.0	20:49	4.01	52	59	.00	.31	12	7	892	.0	2
2266.0	20:55	4.04	52	60	.00	.31	12	7	906	.0	2
2268.0	21: 1	4.05	53	60	.00	.31	12	7	904	.0	2
1866											
2270.0	21: 7	4.01	53	60	.00	.31	12	7	899	.0	2
2272.0	21:22	3.80	53	60	.00	.32	12	7	896	.0	1
2274.0	21:30	3.96	52	60	.00	.32	12	7	917	.0	2
2276.0	21:36	4.06	52	60	.00	.32	12	7	898	.0	2
2278.0	21:42	3.96	52	60	.00	.32	12	7	921	.0	2
2280.0	21:49	4.08	53	60	.00	.32	12	7	917	.0	2
2282.0	22: 4	4.13	53	59	.00	.32	12	7	884	.0	2
2284.0	22:10	4.04	52	60	.00	.32	12	7	898	.0	2
2286.0	22:16	4.01	52	60	.00	.32	12	7	903	.0	2
2288.0	22:22	4.03	53	60	.00	.32	12	7	904	.0	2
1885											
2290.0	22:34	3.99	53	60	.00	.32	12	7	904	.0	2
2292.0	22:42	4.12	53	60	.00	.32	12	7	895	.0	2
2294.0	22:47	3.99	52	60	.00	.32	12	7	863	.0	2
2296.0	22:54	4.10	53	61	.00	.32	12	7	869	.0	2
2298.0	23: 0	4.07	53	61	.00	.32	12	7	895	.0	2
2300.0	23:13	4.03	52	60	.00	.32	12	7	895	.0	2
2302.0	23:19	4.00	51	60	.00	.32	12	7	897	.0	2
2304.0	23:26	4.04	51	60	.00	.32	12	7	882	.0	2
2306.0	8:11	3.79	39	48	.00	.39	9	8	861	.0	2
2308.0	8:22	3.99	42	48	.00	.39	9	8	853	.0	2
1909											
2310.0	9:54	4.09	43	47	.00	.37	9	8	823	.0	2
2312.0	10:13	4.50	44	53	.00	.33	9	8	744	.0	2
2314.0	10:19	3.97	45	52	.00	.34	9	8	826	.0	2
2316.0	10:25	4.01	46	50	.00	.50	9	8	781	.0	2
2318.0	10:30	3.90	46	49	.00	.75	9	8	779	.0	2
2320.0	10:44	4.01	44	48	.00	.70	9	8	788	.0	2
2322.0	10:50	4.08	42	49	.00	.43	9	8	824	.0	2
2324.0	10:57	4.06	41	49	.00	.41	9	8	826	.0	2
2326.0	11: 3	4.05	41	48	.00	.40	9	8	808	.0	2
2328.0	11:12	4.15	42	49	.00	.42	9	8	805	.0	2
1929											
2332.0	11:34	4.11	43	48	.00	.39	9	8	837	.0	2
2334.0	11:42	4.06	43	48	.00	.40	9	8	852	.0	2
2336.0	11:51	4.07	43	47	.00	.50	9	8	829	.0	2
2338.0	12: 9	3.94	43	46	.00	.57	9	8	808	.0	2
2340.0	12:19	4.04	42	46	.00	.49	9	8	813	.0	2
2342.0	12:27	4.01	42	47	.00	.51	9	8	809	.0	2
2344.0	12:35	4.02	42	48	.00	.44	9	8	807	.0	2
2346.0	12:42	3.99	43	49	.00	.39	9	8	807	.0	2
2348.0	12:59	4.03	44	49	.00	.39	9	8	818	.0	2
2350.0	13: 7	4.03	45	49	.00	.42	9	8	823	.0	2
1949											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
1949											
2352.0	13:13	4.02	45	49	.00	.48	9	8	823	.0	2
2354.0	13:20	4.06	45	49	.00	.51	9	8	829	.0	2
2356.0	13:35	4.10	45	49	.00	.59	9	8	832	.0	2
2358.0	13:43	4.08	45	50	.00	.63	9	8	748	.0	2
2360.0	13:51	4.12	44	49	.00	.65	9	8	724	.0	2
2362.0	13:58	4.00	45	50	.00	.51	9	8	813	.0	2
2364.0	14: 5	4.06	45	51	.00	.44	9	8	813	.0	2
2368.0	14:23	4.05	45	51	.00	.38	9	8	823	.0	3
2370.0	14:31	4.13	46	52	.00	.38	9	8	833	.0	2
2372.0	14:40	4.11	47	52	.00	.42	11	8	834	.0	2
1970											
2374.0	14:47	4.02	47	52	.00	.46	11	8	836	.0	2
2376.0	14:59	3.90	47	52	.00	.50	11	8	836	.0	2
2378.0	15: 8	4.03	47	52	.00	.45	11	8	835	.0	2
2380.0	15:17	4.03	47	52	.00	.44	11	8	819	.0	2
2382.0	15:24	3.92	47	53	.00	.41	11	8	817	.0	2
2384.0	15:31	3.89	47	53	.00	.40	11	8	815	.0	2
2385.0	15:34	3.74	48	54	.00	.38	11	8	815	.0	1

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DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1983											
				NEW BIT ID:	-1						
2390.0	9:34	3.81	44	55	.00	.37	11	8	261	.0	3
2392.0	9:48	3.66	44	54	.00	.38	11	8	317	.0	2
2394.0	10: 2	3.70	44	53	.00	.38	11	8	330	.0	2
2396.0	10:22	3.87	44	52	.00	.39	11	8	330	.0	2
2398.0	10:47	3.97	42	52	.00	.39	11	8	326	.0	2
2400.0	11:33	4.31	41	51	.00	.40	11	8	320	.0	3
2400.2	11:39	4.59	41	48	.00	.44	11	8	313	.0	1
				NEW BIT ID:	-2						
2402.0	0:16	4.01	40	46	.00	.44	11	8	210	.0	2
2404.0	0:53	4.22	40	46	.00	.44	11	8	210	.0	2
2406.0	1:39	4.30	38	43	.00	.44	11	8	210	.0	2
2012											
2408.0	2: 1	3.95	37	42	.00	.44	11	8	210	.0	2
2410.0	2:10	3.63	36	41	.00	.44	11	8	210	.0	2
2413.0	2:39	3.83	36	41	.00	.44	11	8	210	.0	2
				NEW BIT ID:	-3						
2416.0	14:57	3.04	42	46	.00	.46	11	8	222	.0	3
2418.0	15: 4	3.37	42	45	.00	.46	11	8	209	.0	2
2420.0	15:13	3.58	41	44	.00	.47	11	8	204	.0	2
2422.0	15:30	3.86	40	44	.00	.47	11	8	199	.0	2
2424.0	16: 4	4.16	38	44	.00	.55	11	8	229	.0	1
2424.8	16:17	4.25	38	43	.00	.52	11	8	233	.0	1
				NEW BIT ID:	-4						
2426.0	0:24	4.30	34	44	.00	.52	14	8	205	.0	2
2039											
2428.0	0:55	4.06	34	44	.00	.52	14	8	205	.0	2
2430.0	1:35	4.19	34	44	.00	.52	14	8	205	.0	2
2432.0	2: 3	4.03	34	44	.00	.52	14	8	205	.0	2
2434.0	2:11	3.46	34	44	.00	.52	14	8	205	.0	2
2436.0	2:26	3.64	34	44	.00	.52	14	8	205	.0	2
2436.6	2:37	4.08	34	44	.00	.52	14	8	205	.0	2
				NEW BIT ID:	-5						
2438.0	1:41	4.10	41	46	.00	.41	12	11	170	.0	2
2438.8	2:35	4.57	37	44	.00	.46	12	11	216	.0	1
				NEW BIT ID:	7						
2440.0	12:53	3.21	40	48	.00	.48	14	8	643	.0	2
2442.0	13: 2	3.93	41	50	.00	.44	14	8	687	.0	2
2066											
				NEW BIT ID:	-6						
2444.0	14:38	4.05	42	51	.00	.44	14	8	685	.0	2
2446.0	0:33	4.25	44	48	.00	.00	15	12	223	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
2074											
2448.0	1:14	4.24	44	48	.00	.00	15	12	223	.0	2
2450.0	2: 2	4.35	44	48	.00	.00	15	12	223	.0	2
2452.0	2:19	3.89	44	48	.00	.00	15	12	223	.0	2
2454.0	2:39	3.95	44	48	.00	.00	15	12	223	.0	2
2456.0	2:50	3.73	44	48	.00	.00	15	12	223	.0	2
2457.0	2:56	3.75	44	48	.00	.00	15	12	223	.0	1
NEW BIT ID: 8											
2458.0	0: 0	3.89	47	50	.00	.43	11	12	682	.0	1
2460.0	0: 5	3.81	47	50	.00	.43	11	12	682	.0	2
2462.0	0: 7	3.43	47	50	.00	.43	11	12	681	.0	2
2466.0	0:11	3.37	46	50	.00	.43	11	12	680	.0	4
2098											
2468.0	0:14	3.54	46	50	.00	.43	11	12	680	.0	2
2470.0	0:18	3.71	46	50	.00	.43	11	12	680	.0	2
2472.0	0:23	3.84	46	49	.00	.43	11	12	680	.0	2
2474.0	0:29	3.84	46	49	.00	.43	11	12	680	.0	2
2476.0	0:34	3.80	46	49	.00	.43	11	12	680	.0	2
2478.0	0:39	3.85	45	49	.00	.43	11	12	680	.0	2
2480.0	0:44	3.88	45	48	.00	.43	11	12	680	.0	2
2482.0	0:50	3.94	45	48	.00	.43	11	12	680	.0	2
2484.0	0:52	3.35	44	48	.00	.43	11	12	680	.0	2
2486.0	0:53	3.41	44	48	.00	.43	11	12	680	.0	2
2118											
2488.0	0:55	3.43	44	48	.00	.43	11	12	680	.0	2
2490.0	0:57	3.50	44	48	.00	.43	11	12	680	.0	2
2492.0	0:59	3.45	44	48	.00	.43	11	12	680	.0	2
2494.0	1: 3	3.72	44	48	.00	.43	11	12	680	.0	2
2496.0	1: 7	3.69	44	48	.00	.43	11	12	684	.0	2
2498.0	1:10	3.66	44	48	.00	.43	11	12	684	.0	2
2500.0	1:13	3.70	44	48	.00	.43	11	12	684	.0	2
2502.0	1:17	3.82	44	48	.00	.43	11	12	684	.0	2
2504.0	1:22	3.86	44	48	.00	.43	11	12	684	.0	2
2506.0	1:26	3.80	44	49	.00	.43	15	13	684	.0	2
2138											
2508.0	1:30	3.81	44	49	.00	.43	15	13	684	.0	2
2510.0	1:40	4.10	44	49	.00	.43	15	13	684	.0	2
2512.0	1:47	4.06	44	50	.00	.43	15	13	684	.0	2
2514.0	1:58	4.23	44	50	.00	.43	15	13	684	.0	2
2516.0	2: 3	3.85	44	51	.00	.43	15	13	684	.0	2
2518.0	2: 9	3.96	48	52	.00	.43	15	13	684	.0	2
2520.0	2:16	4.05	51	52	.00	.43	15	13	684	.0	2
2522.0	2:29	4.29	51	54	.00	.43	15	13	684	.0	2
2524.0	2:40	4.25	51	54	.00	.43	15	13	684	.0	2
2526.0	2:42	3.65	46	51	.00	.43	15	13	593	.0	2
2158											
2528.0	2:44	3.62	46	48	.00	.43	15	13	593	.0	2
2530.0	2:47	3.59	46	48	.00	.43	15	13	593	.0	2
2532.0	2:49	3.66	46	48	.00	.43	15	13	593	.0	2
2534.0	2:53	3.83	46	48	.00	.43	15	13	593	.0	2
2536.0	2:56	3.78	46	48	.00	.43	15	13	593	.0	2
2538.0	3: 9	4.47	46	48	.00	.43	15	13	593	.0	2
2540.0	3:22	4.46	46	48	.00	.43	15	13	593	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
2172											
2542.0	3:36	4.52	46	49	.00	.43	15	13	593	.0	2
2544.0	3:51	4.53	46	49	.00	.43	15	13	593	.0	2
2546.0	4: 6	4.58	47	49	.00	.43	15	13	593	.0	2
2548.0	4:22	4.63	47	49	.00	.43	15	13	593	.0	2
2550.0	4:36	4.53	47	49	.00	.43	15	13	593	.0	2
2552.0	4:49	4.50	47	49	.00	.43	15	13	593	.0	2
2554.0	4:56	4.26	47	49	.00	.43	15	13	593	.0	2
2556.0	5: 7	4.42	47	49	.00	.43	15	13	593	.0	2
2558.0	5:14	4.25	47	49	.00	.43	15	13	593	.0	2
2560.0	5:18	3.97	47	49	.00	.43	15	13	593	.0	2
2192											
2562.0	5:21	3.90	47	49	.00	.43	15	13	593	.0	2
2564.0	5:24	3.95	47	49	.00	.43	15	13	593	.0	2
2566.0	5:36	4.46	47	49	.00	.43	15	13	593	.0	2
2568.0	5:49	4.56	47	50	.00	.43	15	13	593	.0	2
2570.0	6: 1	4.49	47	50	.00	.43	15	13	593	.0	2
2572.0	6:10	4.40	47	50	.00	.43	15	13	593	.0	2
2574.0	6:23	4.54	47	50	.00	.43	15	13	593	.0	2
2576.0	6:37	4.54	47	50	.00	.43	15	13	593	.0	1
2577.0	6:42	4.44	47	50	.00	.43	15	13	593	.0	2

DUMP C

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

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	64										
				NEW BIT ID:	2						
246.0	.0	.0	10	290	186	0	114.2	103.0	1900	0	354
274.0	28.0	.1	7	195	191	0	107.5	102.1	1815	0	419
280.0	6.0	.1	16	200	184	0	108.0	102.3	1823	0	427
282.0	2.0	.1	15	200	185	0	108.7	102.9	1790	0	435
294.0	12.0	.2	14	201	193	0	107.8	102.4	1833	0	450
296.0	2.0	.2	10	200	190	0	106.7	99.3	1767	0	453
300.0	4.0	.2	8	200	192	0	106.7	99.2	1784	0	458
312.0	12.0	.2	10	200	190	0	108.0	101.2	1811	0	478
318.0	6.0	.3	17	204	187	0	111.3	101.7	1923	0	491
322.0	4.0	.3	17	203	187	0	113.4	105.0	1937	0	497
	90										
326.0	4.0	.3	26	208	180	0	112.5	104.1	1948	0	503
336.0	10.0	.3	16	204	185	0	112.0	98.9	1847	0	525
338.0	2.0	.3	20	204	185	0	110.7	97.5	1820	0	529
340.0	2.0	.4	21	204	184	0	110.5	96.5	1802	0	533
342.0	2.0	.4	16	207	192	0	105.8	94.3	1730	0	535
346.0	4.0	.4	22	207	186	0	107.0	101.3	1828	0	542
348.0	2.0	.4	23	207	184	0	107.4	102.9	1863	0	550
352.0	4.0	.4	20	206	186	0	108.4	103.0	1892	0	550
356.0	4.0	.4	24	205	181	0	112.0	103.8	1907	0	555
358.0	2.0	.4	22	205	183	0	112.1	103.1	1913	0	562
	110										
362.0	4.0	.4	18	198	186	0	111.4	105.3	1892	0	566
368.0	6.0	.5	14	190	182	0	109.0	98.2	1811	0	579
370.0	2.0	.5	15	204	192	0	106.4	97.3	1749	0	574
372.0	2.0	.5	20	249	185	0	106.4	96.8	1744	0	579
376.0	4.0	.5	21	200	179	0	106.3	97.2	1775	0	585
378.0	2.0	.5	17	200	183	0	107.3	96.9	1760	0	590
380.0	2.0	.5	18	212	193	0	109.0	94.0	1757	0	587
382.0	2.0	.6	26	206	186	0	110.9	94.5	1786	0	592
390.0	8.0	.6	20	207	187	0	111.1	94.8	1792	0	597
392.0	2.0	.6	15	200	186	0	110.4	94.7	1817	0	600
	132										
398.0	6.0	.6	14	200	190	0	110.1	96.5	1801	0	608
400.0	2.0	.7	16	210	198	0	101.7	103.7	1792	0	600
402.0	2.0	.7	24	210	186	0	99.8	105.4	1789	0	606
404.0	2.0	.7	26	210	184	0	99.0	106.1	1803	0	613
408.0	4.0	.8	21	210	201	0	97.9	104.4	1786	0	627
410.0	2.0	.8	21	210	203	0	70.9	105.8	1391	0	633
416.0	6.0	.8	27	210	183	0	77.5	107.2	1536	0	645
418.0	2.0	.8	19	215	199	0	95.3	97.5	1629	0	649
420.0	2.0	.8	30	210	181	0	95.3	98.1	1770	0	655
424.0	4.0	.8	34	210	176	0	104.5	99.4	1821	0	666
	154										
426.0	2.0	.9	30	210	180	0	105.1	99.4	1836	0	672
428.0	2.0	.9	19	210	191	0	100.5	91.8	1682	0	673
432.0	4.0	.9	31	210	179	0	97.4	88.3	1566	0	678
436.0	4.0	.9	34	210	176	0	97.6	88.1	1587	0	685
438.0	2.0	.9	30	210	189	0	104.1	91.6	1755	0	688
444.0	6.0	1.0	33	210	177	0	111.0	97.2	1904	0	702
446.0	2.0	1.0	22	210	188	0	109.6	97.9	1910	0	700

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
168											
448.0	2.0	1.0	33	200	177	0	103.7	103.1	1933	0	703
450.0	2.0	1.0	22	200	178	0	104.4	104.6	1951	0	707
452.0	2.0	1.0	23	200	177	0	104.5	104.5	1941	0	711
454.0	2.0	1.0	25	200	175	0	104.5	103.8	1947	0	714
456.0	2.0	1.0	17	210	193	0	105.4	99.1	1838	0	700
460.0	4.0	1.0	35	210	175	0	107.5	99.4	1858	0	708
462.0	2.0	1.0	29	210	181	0	105.6	98.3	1883	0	713
464.0	2.0	1.1	30	212	182	0	105.7	100.3	1872	0	713
466.0	2.0	1.1	30	215	185	0	106.9	98.6	1899	0	717
468.0	2.0	1.1	33	215	182	0	105.9	100.4	1907	0	723
185											
470.0	2.0	1.1	40	215	175	0	107.5	100.6	1905	0	729
472.0	2.0	1.1	39	210	173	0	106.7	100.1	1906	0	735
476.0	4.0	1.2	34	210	177	0	110.6	99.5	2006	0	744
478.0	2.0	1.2	35	210	175	0	111.5	100.1	2016	0	747
480.0	2.0	1.2	35	210	175	0	111.9	100.0	2028	0	749
482.0	2.0	1.2	36	210	174	0	110.9	98.1	2033	0	754
484.0	2.0	1.2	27	210	183	0	109.9	99.0	1979	0	755
486.0	2.0	1.2	30	210	180	0	105.8	98.6	1946	0	753
490.0	4.0	1.3	32	210	178	0	107.1	99.8	1953	0	761
492.0	2.0	1.3	35	210	175	0	107.3	101.4	1951	0	769
206											
494.0	2.0	1.3	32	212	180	0	102.2	96.3	1832	0	764
496.0	2.0	1.3	34	212	178	0	100.9	97.0	1795	0	768
498.0	2.0	1.3	34	212	178	0	100.3	95.2	1781	0	771
500.0	2.0	1.4	37	212	175	0	101.9	97.1	1796	0	777
502.0	2.0	1.4	37	212	175	0	101.1	96.5	1812	0	783
504.0	2.0	1.4	32	216	184	0	105.2	94.9	1863	0	789
506.0	2.0	1.4	37	216	180	0	107.7	94.4	1894	0	794
508.0	2.0	1.4	33	216	183	0	109.3	95.7	1906	0	798
510.0	2.0	1.4	38	216	179	0	108.1	94.9	1923	0	801
512.0	2.0	1.4	42	220	177	0	107.0	96.6	1920	0	781
225											
514.0	2.0	1.5	44	220	176	0	105.6	97.4	1944	0	788
516.0	2.0	1.5	45	220	174	0	107.8	98.2	1932	0	793
522.0	6.0	1.5	42	216	177	0	105.6	96.2	1911	0	798
524.0	2.0	1.5	29	212	183	0	104.0	95.2	1877	0	807
526.0	2.0	1.5	34	212	178	0	104.0	96.4	1879	0	813
530.0	4.0	1.5	36	219	183	0	105.4	100.3	1991	0	823
532.0	2.0	1.6	40	219	179	0	104.8	102.2	2002	0	832
534.0	2.0	1.6	37	219	182	0	104.7	101.8	2027	0	840
542.0	8.0	1.7	41	219	178	0	103.5	101.9	2014	0	850
546.0	4.0	1.7	37	219	181	0	104.2	103.1	2021	0	860
247											
550.0	4.0	1.7	35	219	184	0	102.7	103.6	2021	0	874
552.0	2.0	1.7	40	218	178	0	105.7	98.4	2039	0	869
554.0	2.0	1.7	41	218	177	0	108.5	101.0	2035	0	875
556.0	2.0	1.8	39	218	179	0	107.3	100.0	2029	0	883
558.0	2.0	1.8	39	218	180	0	108.1	101.7	2037	0	887
560.0	2.0	1.8	33	220	186	0	106.1	98.2	2019	0	883
562.0	2.0	1.8	31	212	182	0	105.4	99.6	1979	0	880
564.0	2.0	1.8	36	212	176	0	104.9	100.7	1981	0	885
566.0	2.0	1.8	30	212	182	0	104.2	97.6	1987	0	890
568.0	2.0	1.9	37	212	175	0	105.6	99.9	1982	0	891
267											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
267											
570.0	2.0	1.9	34	224	179	0	104.1	100.0	1987	0	873
572.0	2.0	2.0	38	212	176	0	114.1	103.5	2229	0	874
574.0	2.0	2.0	34	212	178	0	113.6	103.2	2236	0	874
576.0	2.0	2.0	32	212	180	0	114.2	104.3	2237	0	877
578.0	2.0	2.1	32	212	180	0	113.7	102.8	2243	0	883
580.0	2.0	2.1	33	222	177	0	113.9	103.0	2229	0	892
582.0	2.0	2.1	33	222	181	0	107.0	98.5	2017	0	898
584.0	2.0	2.2	33	212	179	0	106.2	98.4	2019	0	904
586.0	2.0	2.2	29	212	183	0	107.4	98.4	2019	0	911
588.0	2.0	2.2	36	212	176	0	106.3	97.8	2019	0	916
284											
590.0	2.0	2.2	29	223	193	0	106.2	97.8	2031	0	918
592.0	2.0	2.3	34	223	184	0	107.3	98.0	2033	0	923
594.0	2.0	2.3	34	223	185	0	106.7	98.2	2034	0	928
596.0	2.0	2.3	34	223	184	0	107.0	98.6	2031	0	934
600.0	4.0	2.3	30	219	187	0	107.3	98.8	2050	0	940
602.0	2.0	2.4	23	212	189	0	108.0	99.2	2061	0	944
604.0	2.0	2.4	23	212	189	0	107.2	99.4	2066	0	948
606.0	2.0	2.4	29	212	183	0	107.8	99.6	2068	0	951
610.0	4.0	2.5	22	213	190	0	106.5	95.5	1954	0	948
612.0	2.0	2.5	26	213	187	0	105.2	92.1	1874	0	950
306											
614.0	2.0	2.5	26	213	187	0	106.0	92.8	1876	0	955
616.0	2.0	2.5	23	213	190	0	105.0	94.4	1867	0	958
618.0	2.0	2.6	29	213	188	0	106.1	93.1	1897	0	959
620.0	2.0	2.6	29	213	184	0	105.4	96.8	1975	0	961
622.0	2.0	2.6	35	213	178	0	105.5	98.5	1980	0	967
624.0	2.0	2.6	32	213	181	0	105.6	97.6	1975	0	973
626.0	2.0	2.7	33	213	180	0	106.4	98.5	1990	0	979
628.0	2.0	2.7	29	213	184	0	107.6	98.7	2018	0	978
630.0	2.0	2.7	24	213	189	0	111.2	96.3	2065	0	977
636.0	6.0	2.8	25	213	188	0	110.5	95.7	2069	0	994
330											
638.0	2.0	2.9	28	218	189	0	98.7	101.0	2014	0	987
640.0	2.0	2.9	31	224	191	0	103.2	101.8	2027	0	992
642.0	2.0	2.9	37	225	188	0	104.2	102.0	2030	0	999
644.0	2.0	2.9	38	225	187	0	104.1	102.2	2026	0	1005
648.0	4.0	3.0	36	223	188	0	106.4	101.2	2055	0	1011
650.0	2.0	3.0	33	222	189	0	110.0	99.9	2115	0	1016
652.0	2.0	3.0	33	222	189	0	110.4	100.7	2123	0	1020
654.0	2.0	3.1	34	222	188	0	108.8	100.7	2130	0	1029
656.0	2.0	3.1	32	222	192	0	110.5	98.6	2111	0	1032
658.0	2.0	3.1	32	222	190	0	112.6	95.7	2092	0	1030
351											
660.0	2.0	3.1	31	222	191	0	112.4	96.0	2097	0	1034
662.0	2.0	3.2	30	222	192	0	112.6	95.5	2104	0	1040
664.0	2.0	3.2	28	222	194	0	112.7	95.1	2100	0	1040
666.0	2.0	3.2	34	226	192	0	110.8	95.4	2050	0	1044
668.0	2.0	3.3	29	222	193	0	109.6	94.6	2053	0	1048
670.0	2.0	3.3	29	222	193	0	109.6	94.7	2039	0	1051
672.0	2.0	3.3	31	222	191	0	111.5	96.7	2037	0	1055
674.0	2.0	3.3	31	228	193	0	109.7	96.7	2060	0	1056
676.0	2.0	3.3	34	233	192	0	100.2	107.1	2109	0	1061
678.0	2.0	3.4	34	233	186	0	101.1	108.4	2109	0	1066
371											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	371										
680.0	2.0	3.4	34	233	191	0	101.3	109.0	2099	0	1064
682.0	2.0	3.4	34	233	196	0	100.8	107.5	2088	0	1065
686.0	4.0	3.5	34	229	188	0	100.5	102.4	1959	0	1084
688.0	2.0	3.5	32	222	190	0	98.9	95.8	1846	0	1089
690.0	2.0	3.5	34	222	188	0	98.9	94.9	1853	0	1091
692.0	2.0	3.5	37	222	185	0	98.5	95.7	1860	0	1092
694.0	2.0	3.6	35	222	187	0	98.9	95.4	1857	0	1091
696.0	2.0	3.6	37	229	191	0	108.0	97.5	2060	0	1083
698.0	2.0	3.6	36	224	188	0	109.8	98.0	2102	0	1086
700.0	2.0	3.7	34	224	190	0	109.9	98.1	2103	0	1090
	391										
702.0	2.0	3.7	35	224	189	0	110.4	98.6	2098	0	1095
704.0	2.0	3.7	38	228	187	0	110.4	98.4	2089	0	1093
706.0	2.0	3.8	40	233	185	0	106.4	98.0	2022	0	1091
708.0	2.0	3.8	38	233	188	0	105.4	98.0	2020	0	1097
710.0	2.0	3.8	38	233	191	0	105.4	97.5	2015	0	1103
712.0	2.0	3.9	38	233	187	0	106.7	98.4	2022	0	1110
714.0	2.0	3.9	38	229	191	0	104.2	99.2	2011	0	1110
716.0	2.0	3.9	34	225	191	0	102.6	101.1	2033	0	1108
718.0	2.0	3.9	32	225	193	0	103.2	100.4	2048	0	1114
720.0	2.0	4.0	30	225	195	0	103.0	102.0	2055	0	1120
	411										
722.0	2.0	4.0	37	225	188	0	103.2	101.4	2058	0	1126
724.0	2.0	4.0	35	225	192	0	105.5	101.6	2074	0	1124
726.0	2.0	4.0	39	225	186	0	106.0	102.5	2085	0	1128
728.0	2.0	4.1	38	225	187	0	105.0	101.8	2098	0	1129
730.0	2.0	4.1	35	225	190	0	105.2	102.0	2107	0	1135
732.0	2.0	4.1	36	225	191	0	105.0	101.8	2097	0	1141
734.0	2.0	4.2	32	225	193	0	104.5	99.8	2078	0	1146
736.0	2.0	4.2	31	225	194	0	104.2	100.4	2089	0	1149
738.0	2.0	4.2	33	225	192	0	104.7	99.9	2091	0	1150
740.0	2.0	4.3	33	225	192	0	104.2	99.9	2086	0	1153
	431										
742.0	2.0	4.3	31	242	194	0	105.6	99.3	2079	0	1157
744.0	2.0	4.4	38	226	194	0	108.7	103.0	2203	0	1159
746.0	2.0	4.4	36	232	194	0	109.7	103.6	2217	0	1162
748.0	2.0	4.4	40	234	194	0	109.6	103.0	2221	0	1165
750.0	2.0	4.5	39	234	195	0	109.8	102.8	2227	0	1172
752.0	2.0	4.5	38	235	196	0	111.4	104.2	2229	0	1176
754.0	2.0	4.6	39	235	196	0	106.1	105.0	2173	0	1178
756.0	2.0	4.6	40	235	195	0	105.6	105.6	2180	0	1182
758.0	2.0	4.6	40	235	195	0	106.0	106.1	2195	0	1188
760.0	2.0	4.7	40	235	195	0	105.8	106.1	2208	0	1195
	450										
762.0	2.0	4.7	39	235	196	0	106.7	102.1	2139	0	1196
764.0	2.0	4.7	42	235	193	0	106.6	100.0	2132	0	1199
766.0	2.0	4.8	40	235	195	0	106.8	103.6	2176	0	1201
768.0	2.0	4.8	40	235	195	0	107.4	103.4	2195	0	1207
770.0	2.0	4.9	42	235	193	0	107.3	103.5	2198	0	1212
772.0	2.0	4.9	45	239	193	0	107.2	102.2	2181	0	1208
774.0	2.0	5.0	41	235	194	0	107.8	102.3	2181	0	1211
776.0	2.0	5.0	42	235	193	0	107.8	101.9	2189	0	1216
778.0	2.0	5.1	41	235	194	0	107.6	102.0	2195	0	1220
780.0	2.0	5.2	40	235	195	0	107.8	101.5	2197	0	1222
	469										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	469										
782.0	2.0	5.2	45	236	196	0	107.5	101.8	2206	0	1222
784.0	2.0	5.2	43	236	193	0	107.5	102.9	2213	0	1226
786.0	2.0	5.3	43	236	193	0	108.5	103.1	2229	0	1232
788.0	2.0	5.3	41	236	195	0	107.8	103.1	2240	0	1238
790.0	2.0	5.3	37	236	199	0	107.6	103.0	2245	0	1244
792.0	2.0	5.4	38	236	199	0	107.8	102.5	2228	0	1245
794.0	2.0	5.4	42	236	194	0	107.6	100.5	2187	0	1246
796.0	2.0	5.4	41	236	195	0	107.5	100.5	2189	0	1250
798.0	2.0	5.5	40	236	196	0	108.0	101.4	2195	0	1255
800.0	2.0	5.5	38	237	198	0	106.9	100.9	2196	0	1258
	488										
802.0	2.0	5.6	41	237	196	0	104.3	104.5	2202	0	1260
804.0	2.0	5.6	41	237	195	0	106.9	103.3	2256	0	1262
806.0	2.0	5.6	42	237	193	0	108.1	106.0	2362	0	1264
808.0	2.0	5.7	42	237	190	0	108.6	108.4	2404	0	1268
810.0	2.0	5.7	42	238	191	0	108.6	106.6	2390	0	1273
812.0	2.0	5.7	42	238	190	0	110.3	100.7	2321	0	1276
814.0	2.0	5.8	42	237	189	0	110.4	100.8	2334	0	1280
816.0	2.0	5.8	42	237	190	0	110.4	101.0	2339	0	1281
818.0	2.0	5.9	42	236	191	0	110.4	101.1	2339	0	1287
820.0	2.0	5.9	43	234	192	0	108.1	102.9	2342	0	1283
	508										
822.0	2.0	6.0	42	234	192	0	108.4	103.8	2362	0	1283
824.0	2.0	6.0	42	234	192	0	108.3	104.0	2375	0	1289
826.0	2.0	6.1	42	234	192	0	109.4	104.4	2382	0	1294
830.0	4.0	6.1	41	236	194	0	108.2	103.7	2363	0	1294
832.0	2.0	6.2	42	234	192	0	107.0	103.3	2342	0	1300
834.0	2.0	6.3	43	234	191	0	107.2	103.7	2342	0	1306
836.0	2.0	6.3	41	234	193	0	107.2	103.1	2345	0	1309
838.0	2.0	6.4	40	235	195	0	107.7	103.4	2348	0	1308
840.0	2.0	6.5	41	235	194	0	109.1	101.8	2352	0	1308
842.0	2.0	6.5	42	235	193	0	109.7	102.6	2354	0	1313
	529										
844.0	2.0	6.6	41	235	194	0	109.9	102.3	2363	0	1315
846.0	2.0	6.7	41	235	194	0	109.4	102.5	2367	0	1317
848.0	2.0	6.8	41	235	194	0	110.0	101.1	2358	0	1319
850.0	2.0	6.8	40	236	195	0	111.1	99.0	2330	0	1323
852.0	2.0	6.9	41	236	195	0	111.3	98.3	2339	0	1326
854.0	2.0	7.0	42	236	194	0	111.7	98.6	2342	0	1328
856.0	2.0	7.1	39	236	197	0	111.4	98.1	2345	0	1332
858.0	2.0	7.1	37	236	199	0	108.1	101.5	2331	0	1334
860.0	2.0	7.2	41	236	195	0	105.4	103.4	2326	0	1339
862.0	2.0	7.2	41	236	195	0	106.1	102.9	2332	0	1343
	548										
864.0	2.0	7.3	41	236	195	0	106.0	103.3	2331	0	1348
865.0	1.0	7.3	40	236	196	0	106.3	103.1	2332	0	1352
				NEW BIT ID:	3						
878.0	.0	.1	19	229	208	0	101.3	98.0	2403	0	1392
880.0	2.0	.1	23	229	206	0	101.9	97.7	2404	0	1397
882.0	2.0	.2	24	228	205	0	101.7	97.6	2407	0	1400
884.0	2.0	.2	22	226	206	0	101.7	97.2	2422	0	1403
886.0	2.0	.3	22	226	205	0	100.5	95.9	2355	0	1410

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	563										
888.0	2.0	.3	28	226	198	0	96.0	90.3	2148	0	1416
890.0	2.0	.4	29	226	197	0	96.3	90.3	2152	0	1420
892.0	2.0	.4	31	226	195	0	96.1	90.4	2166	0	1425
894.0	2.0	.5	30	226	196	0	97.0	90.4	2176	0	1429
896.0	2.0	.5	28	226	198	0	93.7	90.2	2123	0	1414
898.0	2.0	.5	28	226	198	0	92.7	89.6	2084	0	1415
900.0	2.0	.6	32	226	194	0	92.9	90.3	2089	0	1419
902.0	2.0	.6	33	226	193	0	92.4	89.7	2082	0	1424
904.0	2.0	.7	30	226	196	0	92.7	89.5	2070	0	1430
906.0	2.0	.7	27	226	199	0	94.7	90.3	2155	0	1430
	582										
908.0	2.0	.8	32	226	194	0	96.3	91.6	2207	0	1434
910.0	2.0	.8	29	226	197	0	97.3	91.2	2207	0	1438
912.0	2.0	.8	28	226	198	0	96.4	91.5	2201	0	1442
916.0	4.0	.9	34	236	199	0	97.9	91.8	2246	0	1448
918.0	2.0	.9	43	240	197	0	99.9	92.9	2303	0	1453
920.0	2.0	1.0	42	240	198	0	100.1	92.0	2296	0	1457
922.0	2.0	1.0	39	240	201	0	100.1	92.2	2283	0	1460
924.0	2.0	1.1	28	240	213	0	100.4	92.1	2281	0	1465
926.0	2.0	1.1	31	227	201	0	95.5	93.0	2221	0	1464
928.0	2.0	1.2	29	227	198	0	94.6	93.2	2206	0	1467
	603										
930.0	2.0	1.2	29	227	198	0	94.7	93.0	2206	0	1471
932.0	2.0	1.2	27	227	200	0	94.9	92.8	2202	0	1475
934.0	2.0	1.3	30	237	201	0	95.5	90.8	2170	0	1472
936.0	2.0	1.3	38	237	199	0	97.5	87.1	2142	0	1476
938.0	2.0	1.3	35	237	202	0	96.7	86.7	2138	0	1478
940.0	2.0	1.4	31	237	205	0	96.5	86.6	2127	0	1478
942.0	2.0	1.4	32	237	205	0	102.4	94.3	2442	0	1480
944.0	2.0	1.4	23	227	208	0	103.9	98.9	2543	0	1480
946.0	2.0	1.5	22	227	207	0	102.0	100.0	2529	0	1482
948.0	2.0	1.5	23	227	204	0	102.1	100.2	2524	0	1484
	622										
950.0	2.0	1.6	20	227	207	0	102.4	99.1	2520	0	1486
954.0	4.0	1.6	25	230	204	0	104.5	98.2	2535	0	1493
956.0	2.0	1.7	28	229	200	0	107.4	95.8	2567	0	1499
958.0	2.0	1.7	28	230	202	0	107.6	95.1	2559	0	1502
960.0	2.0	1.7	27	230	203	0	107.2	98.5	2579	0	1506
962.0	2.0	1.8	29	234	202	0	106.3	97.9	2504	0	1508
964.0	2.0	1.8	29	232	204	0	106.7	99.1	2545	0	1509
966.0	2.0	1.9	27	232	205	0	107.1	98.5	2549	0	1513
968.0	2.0	1.9	29	232	203	0	106.7	98.2	2541	0	1516
970.0	2.0	1.9	29	232	203	0	107.0	99.0	2538	0	1519
	643										
972.0	2.0	2.0	35	232	197	0	103.7	100.3	2549	0	1525
974.0	2.0	2.0	34	232	198	0	104.6	100.9	2572	0	1528
976.0	2.0	2.1	34	232	198	0	107.6	100.3	2611	0	1530
978.0	2.0	2.1	31	232	201	0	102.6	101.2	2521	0	1533
980.0	2.0	2.2	30	232	202	0	101.8	101.3	2508	0	1535
982.0	2.0	2.2	29	232	203	0	106.7	96.2	2497	0	1538
984.0	2.0	2.2	33	232	199	0	109.3	91.5	2457	0	1541
986.0	2.0	2.3	34	232	198	0	109.5	91.0	2457	0	1544
988.0	2.0	2.3	32	232	200	0	103.4	98.9	2490	0	1548
990.0	2.0	2.4	31	232	201	0	101.2	100.0	2475	0	1552
	661										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
661											
992.0	2.0	2.4	31	233	203	0	103.5	98.7	2522	0	1553
994.0	2.0	2.4	34	233	199	0	105.0	98.8	2537	0	1557
996.0	2.0	2.5	33	233	200	0	104.8	98.5	2533	0	1559
998.0	2.0	2.5	36	233	197	0	105.4	98.0	2530	0	1562
1002.0	4.0	2.6	27	233	207	0	84.7	94.0	2066	0	1566
1004.0	2.0	2.7	33	233	200	0	87.0	95.4	2170	0	1569
1006.0	2.0	2.7	34	233	199	0	107.9	99.3	2652	0	1573
1008.0	2.0	2.8	37	233	196	0	108.0	98.5	2669	0	1576
1010.0	2.0	2.9	37	239	196	0	107.8	98.7	2669	0	1576
1012.0	2.0	3.0	40	233	194	0	101.9	97.4	2504	0	1575
681											
1014.0	2.0	3.1	35	233	198	0	102.0	96.7	2497	0	1580
1016.0	2.0	3.1	34	233	199	0	102.4	96.6	2483	0	1586
1018.0	2.0	3.2	39	233	194	0	101.6	96.9	2483	0	1591
1020.0	2.0	3.3	41	233	192	0	101.7	96.9	2500	0	1592
1022.0	2.0	3.3	39	233	194	0	99.0	99.8	2504	0	1593
1024.0	2.0	3.4	41	233	192	0	99.4	99.6	2518	0	1598
1026.0	2.0	3.4	42	233	191	0	99.5	99.7	2532	0	1602
1028.0	2.0	3.5	44	233	188	0	99.5	99.3	2529	0	1608
1030.0	2.0	3.5	49	246	192	0	103.6	94.5	2484	0	1611
1032.0	2.0	3.5	45	233	190	0	106.1	91.4	2467	0	1615
700											
1034.0	2.0	3.6	46	233	187	0	105.9	91.2	2475	0	1619
1036.0	2.0	3.6	48	233	185	0	105.9	92.6	2523	0	1623
1038.0	2.0	3.6	44	233	189	0	105.0	98.1	2620	0	1627
1040.0	2.0	3.6	48	241	192	0	103.8	97.0	2564	0	1629
1042.0	2.0	3.7	46	233	187	0	103.7	96.7	2569	0	1635
1044.0	2.0	3.7	46	233	187	0	104.5	97.0	2579	0	1641
1046.0	2.0	3.8	44	233	189	0	104.4	97.1	2579	0	1644
1050.0	4.0	3.8	47	233	187	0	103.3	96.5	2533	0	1645
1052.0	2.0	3.9	45	233	188	0	102.3	96.1	2497	0	1647
1054.0	2.0	3.9	45	233	188	0	102.7	96.5	2498	0	1651
721											
1056.0	2.0	4.0	45	233	188	0	102.4	95.8	2490	0	1654
1058.0	2.0	4.0	45	240	190	0	102.0	96.0	2496	0	1658
1060.0	2.0	4.0	52	240	190	0	102.2	96.9	2523	0	1663
1070.0	10.0	4.2	46	234	188	0	103.7	98.0	2596	0	1678
1072.0	2.0	4.3	47	234	187	0	104.1	97.8	2599	0	1681
1074.0	2.0	4.3	47	234	187	0	103.6	97.3	2597	0	1684
1076.0	2.0	4.4	46	234	188	0	104.3	97.1	2594	0	1688
1078.0	2.0	4.4	42	234	193	0	104.7	97.0	2590	0	1690
1080.0	2.0	4.5	35	234	199	0	103.9	95.2	2534	0	1691
1082.0	2.0	4.5	35	234	199	0	104.0	95.7	2553	0	1695
741											
1084.0	2.0	4.6	36	234	198	0	104.2	96.0	2566	0	1699
1086.0	2.0	4.6	35	234	199	0	104.5	96.1	2566	0	1701
1088.0	2.0	4.7	36	242	199	0	104.5	94.9	2519	0	1702
1090.0	2.0	4.8	38	234	196	0	102.7	97.8	2493	0	1703
1092.0	2.0	4.8	37	234	197	0	102.8	97.1	2488	0	1705
1094.0	2.0	4.9	38	234	196	0	102.5	96.8	2487	0	1708
1096.0	2.0	4.9	35	234	199	0	102.1	97.2	2490	0	1714
1098.0	2.0	5.0	37	235	200	0	102.1	98.0	2501	0	1715
1100.0	2.0	5.0	36	235	199	0	102.2	98.1	2514	0	1719
1102.0	2.0	5.1	39	235	196	0	102.7	98.4	2517	0	1724
761											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	761										
1104.0	2.0	5.1	39	235	196	0	102.9	98.0	2497	0	1728
1106.0	2.0	5.2	40	235	195	0	103.0	97.4	2504	0	1733
1108.0	2.0	5.3	35	235	200	0	104.7	98.1	2555	0	1732
1110.0	2.0	5.4	37	235	198	0	105.5	98.3	2558	0	1730
1112.0	2.0	5.5	39	235	196	0	105.4	98.4	2568	0	1732
1114.0	2.0	5.5	39	235	196	0	105.4	98.6	2582	0	1737
1116.0	2.0	5.6	42	235	193	0	106.2	98.1	2588	0	1740
1118.0	2.0	5.6	40	235	195	0	107.0	96.4	2568	0	1743
1120.0	2.0	5.7	43	238	195	0	107.6	96.3	2576	0	1747
1122.0	2.0	5.8	43	238	195	0	107.7	96.2	2578	0	1752
	781										
1124.0	2.0	5.9	42	238	196	0	108.0	96.3	2575	0	1757
1126.0	2.0	6.0	45	240	197	0	104.9	98.4	2568	0	1757
1128.0	2.0	6.1	44	240	196	0	105.6	98.9	2575	0	1759
1130.0	2.0	6.2	43	240	197	0	105.8	98.7	2582	0	1762
1132.0	2.0	6.3	43	240	197	0	105.8	98.8	2589	0	1765
1134.0	2.0	6.4	41	240	199	0	105.9	98.7	2586	0	1768
1136.0	2.0	6.4	44	240	196	0	104.6	98.9	2549	0	1772
1154.0	18.0	7.2	45	254	202	0	108.3	97.8	2589	0	1800
1156.0	2.0	7.3	43	244	211	0	109.4	98.5	2627	0	1803
1158.0	2.0	7.4	43	244	207	0	109.9	99.1	2622	0	1808
	801										
1160.0	2.0	7.4	43	244	211	0	83.9	107.0	1031	0	1814
1162.0	2.0	7.5	43	244	209	0	57.0	108.4	748	0	1821
1170.0	8.0	7.7	43	244	209	0	50.6	107.9	742	0	1840
1172.0	2.0	7.8	43	249	210	0	.0	108.6	755	0	1843
1174.0	2.0	7.9	42	254	215	0	80.2	98.4	2241	0	1841
1176.0	2.0	8.0	40	254	214	0	108.2	94.4	2528	0	1833
1178.0	2.0	8.1	41	254	213	0	109.2	94.0	2554	0	1829
1180.0	2.0	8.3	38	254	216	0	101.9	100.1	1552	0	1832
1184.0	4.0	8.5	38	254	216	0	.0	111.1	839	0	1840
1186.0	2.0	8.6	40	254	214	0	.0	108.9	895	0	1849
	820										
1188.0	2.0	8.7	41	254	213	0	.0	109.9	917	0	1855
1190.0	2.0	8.9	37	254	217	0	.0	110.2	915	0	1860
1192.0	2.0	9.0	38	258	216	0	10.3	102.5	1002	0	1863
1194.0	2.0	9.1	51	262	210	0	101.7	93.2	2600	0	1859
1196.0	2.0	9.2	54	258	204	0	102.4	92.7	2621	0	1860
1198.0	2.0	9.4	55	254	199	0	103.0	92.5	2615	0	1867
1200.0	2.0	9.5	50	254	204	0	103.2	92.4	2623	0	1874
1202.0	2.0	9.7	51	254	203	0	102.5	92.7	2621	0	1873
1204.0	2.0	9.8	52	254	202	0	103.4	99.1	2791	0	1872
1206.0	2.0	9.9	51	254	203	0	103.8	98.3	2784	0	1877
	840										
1208.0	2.0	10.0	52	254	202	0	103.7	98.1	2785	0	1883
1210.0	2.0	10.1	54	254	200	0	103.6	98.2	2786	0	1888
1212.0	2.0	10.2	49	254	205	0	103.9	96.9	2752	0	1891
1214.0	2.0	10.3	53	254	201	0	104.7	94.2	2710	0	1894
1216.0	2.0	10.4	53	254	201	0	95.6	97.1	2567	0	1898
1218.0	2.0	10.5	55	254	199	0	96.3	97.0	2572	0	1901
1220.0	2.0	10.7	54	254	200	0	97.0	90.8	2441	0	1906
1222.0	2.0	10.8	50	254	204	0	99.9	90.1	2463	0	1921
1224.0	2.0	10.9	47	256	208	0	101.1	91.6	2554	0	1928
1226.0	2.0	11.1	47	256	209	0	100.6	95.8	2653	0	1931
	860										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
860											
1228.0	2.0	11.2	51	256	205	0	101.4	98.8	2693	0	1935
1230.0	2.0	11.4	51	256	205	0	105.6	103.4	2691	0	1938
1232.0	2.0	11.4	49	256	207	0	109.7	99.6	2702	0	1942
1234.0	2.0	11.5	52	256	204	0	112.1	97.9	2717	0	1944
1236.0	2.0	11.7	51	256	205	0	112.0	97.7	2725	0	1947
1238.0	2.0	11.8	51	256	205	0	112.7	97.9	2729	0	1950
1239.0	1.0	11.9	51	256	205	0	113.3	97.6	2736	0	1953
NEW BIT ID: 4											
1244.0	.0	.2	28	0	0	0	96.0	90.0	2640	0	1952
1246.0	2.0	.4	27	0	0	0	96.0	89.5	2634	0	1962
1248.0	2.0	.5	30	0	0	0	96.0	89.0	2628	0	1967
883											
1250.0	2.0	.7	28	0	0	0	96.0	89.0	2628	0	1970
1252.0	2.0	.8	32	0	0	0	.0	104.0	861	0	1974
1254.0	2.0	1.0	29	0	0	0	114.0	89.0	2510	0	1977
1256.0	2.0	1.1	43	0	0	0	114.0	89.0	2510	0	1980
1258.0	2.0	1.2	45	0	0	0	114.0	89.0	2510	0	1983
1260.0	2.0	1.4	45	0	0	0	114.0	89.0	2510	0	1986
1262.0	2.0	1.5	45	0	0	0	114.0	89.0	2510	0	1989
1264.0	2.0	1.6	45	0	0	0	114.0	89.0	2510	0	1993
1266.0	2.0	1.8	45	0	0	0	113.0	89.5	2650	0	1996
1268.0	2.0	1.9	42	0	0	0	99.0	85.0	2674	0	1999
903											
1270.0	2.0	2.0	41	129	117	0	99.0	85.2	2673	0	1992
1272.0	2.0	2.1	42	257	215	0	100.3	87.6	2682	0	1981
1274.0	2.0	2.2	41	257	216	0	99.5	87.7	2681	0	1983
1276.0	2.0	2.3	41	257	216	0	91.3	94.0	2617	0	1989
1278.0	2.0	2.4	41	257	216	0	91.2	93.8	2625	0	1996
1280.0	2.0	2.5	43	259	214	0	98.1	90.0	2703	0	1997
1282.0	2.0	2.6	45	260	215	0	90.9	92.7	2574	0	1998
1284.0	2.0	2.7	42	260	218	0	94.0	92.1	2634	0	2001
1286.0	2.0	2.8	43	260	217	0	96.2	91.0	2660	0	2006
1288.0	2.0	2.9	43	260	217	0	96.9	90.3	2657	0	2012
923											
1292.0	4.0	3.1	44	260	216	0	96.4	90.7	2668	0	2019
1294.0	2.0	3.2	46	260	214	0	95.6	91.2	2674	0	2022
1296.0	2.0	3.3	45	260	215	0	95.9	91.4	2668	0	2025
1298.0	2.0	3.4	46	260	214	0	96.0	90.6	2672	0	2029
1300.0	2.0	3.5	45	261	216	0	95.2	91.5	2664	0	2028
1302.0	2.0	3.6	46	261	215	0	95.9	89.3	2622	0	2030
1304.0	2.0	3.7	48	261	213	0	96.6	88.9	2634	0	2033
1306.0	2.0	3.8	48	261	213	0	96.7	88.9	2626	0	2038
1308.0	2.0	3.9	46	261	215	0	97.2	88.9	2653	0	2040
1310.0	2.0	4.0	45	261	216	0	96.5	92.6	2734	0	2041
943											
1312.0	2.0	4.1	44	261	217	0	95.6	92.4	2720	0	2044
1314.0	2.0	4.2	45	261	216	0	96.0	92.6	2724	0	2048
1316.0	2.0	4.3	45	261	216	0	96.4	92.7	2722	0	2054
1318.0	2.0	4.4	47	262	215	0	96.7	90.6	2686	0	2058
1320.0	2.0	4.4	48	262	214	0	97.2	89.5	2687	0	2061
1322.0	2.0	4.5	48	262	214	0	97.7	90.2	2688	0	2065
1324.0	2.0	4.6	48	262	214	0	97.5	90.2	2686	0	2068

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	957										
1328.0	4.0	4.8	45	262	217	0	98.9	91.0	2759	0	2073
1330.0	2.0	4.9	45	262	217	0	99.3	93.0	2817	0	2080
1332.0	2.0	5.0	44	262	218	0	94.8	92.5	2703	0	2088
1334.0	2.0	5.1	46	262	216	0	95.0	92.6	2697	0	2096
1338.0	4.0	5.3	47	263	216	0	95.6	92.1	2722	0	2106
1340.0	2.0	5.4	48	263	215	0	98.0	91.7	2784	0	2111
1342.0	2.0	5.6	48	263	215	0	98.7	92.1	2793	0	2114
1344.0	2.0	5.7	46	263	217	0	99.6	92.1	2809	0	2118
1346.0	2.0	5.8	46	263	217	0	98.6	91.4	2755	0	2121
1348.0	2.0	5.9	46	263	217	0	95.9	89.9	2679	0	2124
	979										
1350.0	2.0	6.0	46	263	217	0	96.5	89.7	2690	0	2127
1352.0	2.0	6.1	45	263	218	0	97.0	89.3	2702	0	2130
1354.0	2.0	6.2	46	263	217	0	97.7	89.3	2716	0	2133
1356.0	2.0	6.3	45	263	218	0	101.4	68.4	2370	0	2134
1358.0	2.0	6.4	44	263	219	0	99.5	89.0	2792	0	2133
1360.0	2.0	6.6	44	263	219	0	100.5	88.9	2797	0	2133
1362.0	2.0	6.7	45	263	218	0	99.1	88.5	2771	0	2135
1364.0	2.0	6.8	46	263	217	0	98.8	88.8	2760	0	2138
1366.0	2.0	6.9	44	264	220	0	33.1	92.0	1341	0	2142
1368.0	2.0	7.0	40	264	224	0	98.3	90.4	2883	0	2148
	999										
1370.0	2.0	7.2	40	264	224	0	100.2	89.5	2909	0	2154
1372.0	2.0	7.3	41	264	223	0	96.9	90.2	2840	0	2161
1376.0	4.0	7.5	42	264	222	0	96.4	91.3	2815	0	2167
1378.0	2.0	7.7	45	264	219	0	96.4	92.4	2798	0	2171
1380.0	2.0	7.8	43	264	221	0	97.4	92.6	2811	0	2174
1382.0	2.0	7.9	43	264	221	0	97.8	92.5	2819	0	2177
1390.0	8.0	8.3	43	264	217	0	97.1	92.2	2769	0	2191
1392.0	2.0	8.4	43	264	221	0	96.8	91.4	2753	0	2193
1394.0	2.0	7.6	42	264	222	0	96.1	91.5	2753	0	2192
1396.0	2.0	8.6	43	265	222	0	101.5	91.0	2879	0	2199
	1020										
1398.0	2.0	8.7	47	265	218	0	98.9	91.4	2822	0	2203
1400.0	2.0	8.8	48	265	217	0	96.0	92.1	2773	0	2206
1402.0	2.0	8.9	48	265	217	0	96.2	92.3	2775	0	2209
1404.0	2.0	9.1	48	265	217	0	99.4	84.7	1270	0	2213
1406.0	2.0	9.2	50	265	215	0	95.1	79.0	2139	0	2215
1408.0	2.0	9.3	49	265	216	0	98.9	88.8	2768	0	2218
1410.0	2.0	9.4	49	265	216	0	99.4	89.3	2785	0	2222
1412.0	2.0	9.5	50	265	215	0	99.1	88.6	2763	0	2225
1416.0	4.0	9.7	45	265	220	0	99.3	92.4	2865	0	2231
1418.0	2.0	9.9	49	265	216	0	99.6	92.7	2893	0	2234
	1039										
1420.0	2.0	10.0	51	265	214	0	100.0	92.8	2904	0	2237
1422.0	2.0	10.1	46	265	219	0	100.6	92.7	2822	0	2241
1424.0	2.0	10.2	44	265	221	0	116.3	27.4	1364	0	2244
1426.0	2.0	10.3	43	265	222	0	97.8	89.5	2762	0	2247
1428.0	2.0	10.5	47	265	218	0	101.2	88.3	2821	0	2250
1430.0	2.0	10.6	47	265	218	0	101.6	88.7	2833	0	2253
1432.0	2.0	10.7	48	265	217	0	100.0	89.5	2838	0	2254
1434.0	2.0	10.9	50	264	214	0	95.4	94.6	2845	0	2252
1436.0	2.0	11.0	50	264	214	0	96.3	94.4	2860	0	2252
1438.0	2.0	11.1	49	264	215	0	96.8	94.0	2864	0	2254
	1058										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1058											
1440.0	2.0	11.2	49	264	215	0	96.6	94.0	2862	0	2257
1442.0	2.0	11.3	50	264	214	0	97.6	94.3	2893	0	2261
1444.0	2.0	11.4	51	264	213	0	99.6	93.8	2939	0	2267
1446.0	2.0	11.5	50	264	214	0	99.4	93.8	2945	0	2273
1448.0	2.0	11.6	50	264	214	0	100.3	93.7	2950	0	2279
1450.0	2.0	11.7	50	264	214	0	100.0	93.6	2950	0	2285
1452.0	2.0	11.9	49	264	215	0	99.8	93.5	2865	0	2289
1454.0	2.0	11.9	49	265	216	0	100.0	93.5	2955	0	2291
1456.0	2.0	12.0	52	266	213	0	97.9	91.1	2787	0	2295
1458.0	2.0	12.2	51	266	215	0	95.1	95.2	2833	0	2298
1077											
1462.0	4.0	12.3	51	266	215	0	97.1	92.2	2844	0	2303
1464.0	2.0	12.5	48	266	218	0	101.9	87.7	2877	0	2307
1466.0	2.0	12.6	50	266	216	0	102.5	87.7	2864	0	2310
1468.0	2.0	12.7	50	267	216	0	102.5	88.3	2864	0	2313
1470.0	2.0	12.8	49	267	218	0	101.5	88.8	2880	0	2315
1472.0	2.0	12.9	52	267	215	0	96.7	94.0	2905	0	2314
1474.0	2.0	13.0	54	267	213	0	97.2	94.3	2924	0	2314
1476.0	2.0	13.1	51	267	216	0	98.5	93.9	2941	0	2315
1478.0	2.0	13.2	52	267	215	0	99.7	93.8	2969	0	2318
1480.0	2.0	13.3	52	268	216	0	103.4	91.5	2540	0	2321
1098											
1482.0	2.0	13.5	53	268	215	0	100.9	88.2	2858	0	2324
1484.0	2.0	13.6	53	268	215	0	102.0	87.9	2874	0	2327
1486.0	2.0	13.7	54	268	214	0	102.4	87.7	2876	0	2330
1488.0	2.0	13.8	51	268	217	0	103.3	87.9	2886	0	2335
1490.0	2.0	13.9	53	268	215	0	98.6	91.6	2874	0	2340
1492.0	2.0	14.0	52	268	216	0	94.5	94.3	2860	0	2346
1494.0	2.0	14.1	51	268	217	0	94.2	94.1	2859	0	2350
1496.0	2.0	14.2	53	268	215	0	94.6	94.6	2866	0	2355
1498.0	2.0	14.3	52	268	216	0	94.7	94.6	2858	0	2360
1500.0	2.0	14.4	52	268	216	0	94.3	94.2	2858	0	2365
1117											
1502.0	2.0	14.5	36	260	225	0	95.9	97.5	2946	0	2368
1504.0	2.0	14.6	36	260	224	0	97.5	91.4	2832	0	2371
1506.0	2.0	14.7	35	260	225	0	97.2	91.1	2831	0	2374
1508.0	2.0	14.8	34	260	226	0	97.5	91.2	2840	0	2375
1510.0	2.0	14.9	42	264	220	0	100.9	89.8	2899	0	2373
1512.0	2.0	15.1	48	264	216	0	101.5	89.2	2910	0	2373
1514.0	2.0	15.1	49	264	215	0	101.7	89.3	2914	0	2376
1516.0	2.0	15.2	49	264	215	0	101.8	89.9	2913	0	2381
1518.0	2.0	15.3	46	264	218	0	100.2	89.8	2862	0	2386
1520.0	2.0	15.4	50	264	214	0	100.5	91.3	2942	0	2389
1137											
1522.0	2.0	15.5	49	264	215	0	101.5	91.8	2960	0	2393
1524.0	2.0	15.6	48	264	216	0	101.8	90.8	2963	0	2396
1526.0	2.0	15.7	49	264	215	0	101.9	91.1	2970	0	2402
1528.0	2.0	15.9	48	265	216	0	98.7	90.0	2408	0	2405
1530.0	2.0	15.9	51	265	214	0	87.0	92.5	2608	0	2406
1532.0	2.0	16.1	51	265	214	0	97.7	90.4	2850	0	2409
1534.0	2.0	16.1	51	265	214	0	102.4	90.1	2958	0	2412
1536.0	2.0	16.2	50	265	215	0	112.3	83.9	1623	0	2417
1538.0	2.0	16.4	48	265	217	0	90.0	83.0	2656	0	2420
1540.0	2.0	16.5	50	265	215	0	94.7	93.3	2831	0	2420
1157											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1157											
1542.0	2.0	16.6	51	265	214	0	94.7	92.9	2834	0	2423
1544.0	2.0	16.7	49	265	216	0	95.1	92.9	2842	0	2426
1546.0	2.0	16.8	50	265	215	0	95.2	93.7	2846	0	2431
1548.0	2.0	16.9	50	265	215	0	96.3	94.9	2928	0	2435
1550.0	2.0	16.9	50	265	215	0	100.3	72.7	2413	0	2439
1552.0	2.0	17.1	50	265	215	0	100.9	82.6	2095	0	2442
1554.0	2.0	17.2	51	265	214	0	101.0	90.4	2689	0	2446
1556.0	2.0	17.4	50	265	215	0	94.3	91.0	2690	0	2450
1558.0	2.0	17.6	51	265	214	0	92.6	87.8	2612	0	2447
1560.0	2.0	17.8	46	265	219	0	91.5	88.3	2611	0	2446
1177											
1562.0	2.0	18.0	49	265	216	0	91.5	88.0	2608	0	2448
1564.0	2.0	18.1	50	265	215	0	91.9	89.0	2611	0	2451
1566.0	2.0	18.3	49	265	216	0	93.0	88.9	2655	0	2455
1568.0	2.0	18.5	50	265	215	0	95.8	91.4	2771	0	2458
1570.0	2.0	18.6	50	265	215	0	90.2	92.5	2658	0	2461
1572.0	2.0	18.8	50	265	215	0	89.7	92.8	2653	0	2464
1574.0	2.0	19.0	53	265	212	0	95.1	88.5	2687	0	2467
1576.0	2.0	19.2	51	265	214	0	97.4	87.2	2702	0	2470
1578.0	2.0	19.3	51	265	214	0	95.9	88.6	2728	0	2473
1580.0	2.0	19.5	50	265	215	0	97.0	88.8	2754	0	2477
1197											
1582.0	2.0	19.6	50	265	215	0	97.6	88.8	2757	0	2480
1584.0	2.0	19.8	51	265	214	0	97.5	89.1	2759	0	2483
1586.0	2.0	20.0	44	265	220	0	91.6	86.2	2562	0	2486
1588.0	2.0	20.2	41	265	224	0	89.8	86.6	2590	0	2489
1590.0	2.0	20.4	44	270	224	0	95.1	90.2	2791	0	2492
1592.0	2.0	20.6	49	275	226	0	95.6	91.3	2821	0	2495
1594.0	2.0	20.7	47	275	228	0	96.1	91.2	2844	0	2499
1596.0	2.0	20.9	47	275	228	0	96.9	90.5	2829	0	2502
1598.0	2.0	21.1	49	275	226	0	93.7	90.8	2765	0	2505
1600.0	2.0	21.3	50	275	225	0	92.8	90.8	2768	0	2508
1217											
1602.0	2.0	21.4	48	275	227	0	93.8	91.3	2774	0	2511
1603.0	1.0	21.6	47	275	228	0	94.9	90.2	2794	0	2513
NEW BIT ID: 5											
1604.0	.0	.0	33	275	241	0	82.9	88.5	2603	0	2515
1606.0	2.0	.2	33	275	241	0	91.9	87.5	2828	0	2518
1608.0	2.0	.3	33	275	242	0	92.9	87.0	2823	0	2525
1610.0	2.0	.4	34	275	241	0	92.9	87.1	2805	0	2532
1612.0	2.0	.5	35	275	240	0	93.6	86.8	2795	0	2540
1614.0	2.0	.6	35	275	240	0	92.9	86.9	2780	0	2547
1616.0	2.0	.7	34	276	242	0	93.7	84.6	2758	0	2549
1618.0	2.0	.7	39	277	238	0	95.2	81.9	2720	0	2553
1239											
1620.0	2.0	.8	39	277	238	0	94.0	85.6	2807	0	2556
1622.0	2.0	.9	38	277	239	0	93.2	87.4	2822	0	2560
1624.0	2.0	1.0	36	279	241	0	95.0	87.1	2569	0	2564
1626.0	2.0	1.2	40	280	240	0	105.0	1.5	1458	0	2567
1628.0	2.0	1.3	38	280	242	0	86.0	56.2	2431	0	2570
1630.0	2.0	1.4	40	280	240	0	86.3	82.4	2757	0	2573
1632.0	2.0	1.5	39	280	241	0	87.7	83.0	2670	0	2577

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1253											
1634.0	2.0	1.6	40	280	240	0	89.1	70.2	2498	0	2580
1636.0	2.0	1.7	40	280	240	0	103.0	81.7	2864	0	2583
1638.0	2.0	1.7	38	280	242	0	103.2	81.5	2892	0	2587
1640.0	2.0	1.8	39	280	241	0	103.5	81.2	2884	0	2590
1642.0	2.0	1.9	38	280	242	0	96.8	69.1	2367	0	2592
1644.0	2.0	2.0	41	280	239	0	97.6	69.1	2448	0	2595
1646.0	2.0	2.1	39	280	241	0	98.9	73.1	2756	0	2598
1648.0	2.0	2.2	36	280	244	0	104.3	59.7	2860	0	2601
1650.0	2.0	2.3	38	280	242	0	99.2	55.4	2552	0	2604
1652.0	2.0	2.4	37	280	243	0	105.7	68.8	2729	0	2610
1272											
1654.0	2.0	2.4	41	280	239	0	104.7	70.4	2706	0	2614
1656.0	2.0	2.5	42	281	238	0	105.4	69.7	2712	0	2617
1658.0	2.0	2.6	41	281	240	0	105.6	69.7	2688	0	2620
1660.0	2.0	2.7	39	281	242	0	98.9	79.2	2791	0	2620
1662.0	2.0	2.8	36	281	245	0	81.2	87.8	2566	0	2603
1664.0	2.0	2.8	39	281	242	0	75.8	86.6	2460	0	2598
1666.0	2.0	2.9	42	281	239	0	97.4	83.3	2963	0	2591
1668.0	2.0	3.0	41	282	240	0	93.8	84.0	2884	0	2584
1670.0	2.0	3.1	40	283	243	0	94.0	84.3	2874	0	2577
1672.0	2.0	3.2	40	283	243	0	93.7	84.1	2847	0	2577
1291											
1674.0	2.0	3.3	41	285	243	0	93.9	84.5	2827	0	2581
1676.0	2.0	3.3	44	285	241	0	94.2	84.6	2825	0	2586
1678.0	2.0	3.4	45	285	240	0	93.3	84.8	2824	0	2592
1680.0	2.0	3.5	44	285	241	0	93.6	85.1	2820	0	2597
1682.0	2.0	3.6	44	285	241	0	103.6	81.2	1739	0	2601
1684.0	2.0	3.7	44	285	241	0	93.2	69.2	2622	0	2604
1686.0	2.0	3.8	45	285	240	0	93.0	82.7	2849	0	2604
1688.0	2.0	3.8	42	285	243	0	95.2	80.3	2855	0	2605
1690.0	2.0	3.9	43	285	241	0	93.4	83.0	2863	0	2605
1692.0	2.0	4.1	39	285	246	0	94.1	82.4	2860	0	2607
1310											
1694.0	2.0	4.1	40	285	245	0	94.5	82.2	2865	0	2610
1696.0	2.0	4.2	40	285	245	0	94.7	80.6	2831	0	2613
1698.0	2.0	4.4	39	285	246	0	94.6	79.0	2808	0	2617
1700.0	2.0	4.4	41	285	244	0	98.4	79.0	2808	0	2620
1702.0	2.0	4.5	37	285	248	0	108.3	62.6	2028	0	2624
1704.0	2.0	4.6	39	285	246	0	107.1	56.7	1945	0	2629
1706.0	2.0	4.7	40	285	245	0	83.6	86.1	2733	0	2636
1708.0	2.0	4.8	39	285	246	0	83.4	85.7	2730	0	2641
1710.0	2.0	4.9	35	285	250	0	84.0	85.4	2727	0	2645
1712.0	2.0	4.9	40	285	245	0	97.6	77.1	2378	0	2650
1329											
1714.0	2.0	5.0	40	285	245	0	87.0	90.4	2942	0	2655
1716.0	2.0	5.1	39	285	246	0	86.8	90.1	2937	0	2658
1718.0	2.0	5.2	38	285	247	0	86.8	90.5	2867	0	2661
1720.0	2.0	5.3	37	285	248	0	88.6	89.5	2806	0	2663
1722.0	2.0	5.4	39	285	246	0	109.3	75.5	2806	0	2665
1724.0	2.0	5.5	40	285	245	0	90.2	84.2	2837	0	2667
1726.0	2.0	5.5	39	285	246	0	90.0	84.2	2870	0	2670
1732.0	6.0	5.7	37	285	248	0	92.7	84.6	2943	0	2678
1734.0	2.0	5.9	39	285	246	0	90.9	85.0	2899	0	2688
1736.0	2.0	5.9	36	285	249	0	90.4	84.6	2875	0	2691
1350											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1350											
1738.0	2.0	6.0	39	285	246	0	90.2	84.8	2862	0	2694
1740.0	2.0	6.1	40	286	245	0	90.4	84.9	2865	0	2693
1742.0	2.0	6.2	41	287	246	0	90.0	83.2	2826	0	2692
1744.0	2.0	6.3	43	287	244	0	90.1	83.7	2830	0	2694
1746.0	2.0	6.3	40	287	247	0	90.1	83.6	2820	0	2696
1748.0	2.0	6.4	39	287	248	0	89.6	83.2	2810	0	2696
1750.0	2.0	6.5	39	287	248	0	96.2	80.1	2936	0	2700
1752.0	2.0	6.6	39	287	248	0	90.4	85.9	2918	0	2704
1754.0	2.0	6.7	39	287	248	0	90.4	85.9	2917	0	2707
1756.0	2.0	6.8	41	287	246	0	90.5	85.9	2911	0	2710
1370											
1758.0	2.0	6.9	37	287	250	0	90.7	84.4	2867	0	2713
1760.0	2.0	6.9	47	287	240	0	92.0	79.1	2775	0	2716
1762.0	2.0	7.0	48	287	239	0	92.4	78.8	2770	0	2720
1764.0	2.0	7.1	49	287	238	0	92.3	78.6	2771	0	2724
1766.0	2.0	7.1	50	287	237	0	92.4	79.0	2769	0	2728
1768.0	2.0	7.2	45	287	242	0	88.4	80.8	2730	0	2730
1770.0	2.0	7.2	50	287	237	0	87.6	81.3	2731	0	2736
1772.0	2.0	7.3	47	287	240	0	87.3	80.8	2723	0	2742
1774.0	2.0	7.3	49	287	238	0	87.2	81.3	2720	0	2748
1776.0	2.0	7.4	44	287	243	0	87.5	81.3	2725	0	2753
1390											
1778.0	2.0	7.5	43	288	245	0	88.9	83.1	2826	0	2751
1780.0	2.0	7.5	43	288	245	0	89.8	83.6	2862	0	2755
1782.0	2.0	7.6	42	288	246	0	90.0	83.2	2868	0	2760
1784.0	2.0	7.7	42	288	246	0	90.1	83.4	2864	0	2762
1786.0	2.0	7.8	43	288	245	0	90.1	83.1	2860	0	2760
1788.0	2.0	7.8	41	288	247	0	86.6	85.6	2843	0	2762
1790.0	2.0	7.9	43	288	245	0	87.3	85.5	2856	0	2767
1792.0	2.0	8.0	44	288	244	0	87.0	85.5	2865	0	2771
1794.0	2.0	8.0	41	288	247	0	86.7	85.3	2865	0	2775
1796.0	2.0	8.1	40	288	248	0	87.3	85.6	2874	0	2777
1410											
1798.0	2.0	8.2	41	288	247	0	87.8	85.6	2881	0	2781
1800.0	2.0	8.3	44	288	244	0	87.8	85.6	2890	0	2784
1802.0	2.0	8.3	43	288	245	0	87.0	85.6	2885	0	2787
1804.0	2.0	8.4	43	288	245	0	87.1	85.9	2875	0	2789
1806.0	2.0	8.5	42	288	246	0	89.1	84.4	2862	0	2788
1808.0	2.0	8.5	41	288	247	0	92.3	82.1	2884	0	2794
1810.0	2.0	8.6	43	288	245	0	91.9	81.3	2894	0	2799
1812.0	2.0	8.7	43	288	245	0	93.3	81.4	2903	0	2802
1814.0	2.0	8.7	42	288	246	0	93.0	81.7	2902	0	2805
1816.0	2.0	8.8	38	287	249	0	90.5	84.2	2932	0	2805
1430											
1818.0	2.0	8.9	40	287	247	0	89.9	85.6	2929	0	2810
1820.0	2.0	9.0	39	287	248	0	86.1	86.0	2846	0	2813
1822.0	2.0	9.1	44	287	243	0	86.1	85.6	2848	0	2816
1826.0	4.0	9.2	47	288	241	0	87.0	85.5	2880	0	2819
1828.0	2.0	9.2	46	288	242	0	89.1	85.5	2921	0	2824
1830.0	2.0	9.3	49	288	239	0	89.0	85.2	2925	0	2827
1832.0	2.0	9.4	49	288	239	0	89.3	85.5	2925	0	2831
1834.0	2.0	9.5	47	289	242	0	89.5	85.3	2928	0	2832
1836.0	2.0	9.5	43	290	247	0	84.6	87.7	2871	0	2835
1838.0	2.0	9.6	39	290	251	0	85.3	87.9	2889	0	2840
1451											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1451											
1840.0	2.0	9.7	44	290	246	0	85.0	88.4	2880	0	2843
1842.0	2.0	9.8	42	290	248	0	85.5	88.0	2880	0	2846
1844.0	2.0	9.8	44	290	246	0	87.2	86.2	2880	0	2848
1846.0	2.0	9.9	42	290	248	0	92.7	77.9	2653	0	2851
1848.0	2.0	10.0	43	290	247	0	96.9	79.2	2958	0	2854
1850.0	2.0	10.0	40	290	250	0	96.8	79.0	2944	0	2857
1852.0	2.0	10.1	45	290	245	0	90.6	80.3	2798	0	2860
1854.0	2.0	10.2	42	290	248	0	88.0	81.4	2745	0	2861
1856.0	2.0	10.2	47	290	243	0	85.3	83.7	2755	0	2863
1858.0	2.0	10.3	45	290	245	0	85.7	83.2	2746	0	2867
1470											
1860.0	2.0	10.3	46	290	244	0	86.4	83.2	2746	0	2871
1862.0	2.0	10.4	46	290	244	0	86.5	82.7	2755	0	2875
1864.0	2.0	10.5	48	290	242	0	86.0	85.8	2882	0	2877
1866.0	2.0	10.5	45	290	245	0	87.3	87.0	2907	0	2883
1868.0	2.0	10.6	44	290	246	0	87.6	86.9	2906	0	2889
1870.0	2.0	10.7	42	290	248	0	87.8	86.6	2615	0	2889
1872.0	2.0	10.7	45	290	245	0	78.0	56.1	2314	0	2887
1874.0	2.0	10.8	42	290	248	0	85.1	84.3	2791	0	2892
1876.0	2.0	10.9	42	290	248	0	88.2	83.6	2831	0	2895
1878.0	2.0	10.9	44	290	246	0	88.3	83.4	2825	0	2898
1490											
1880.0	2.0	11.0	44	290	246	0	88.3	84.3	2831	0	2901
1882.0	2.0	11.1	46	290	244	0	90.1	83.3	2879	0	2904
1884.0	2.0	11.1	45	290	245	0	94.3	83.0	2972	0	2908
1886.0	2.0	11.2	46	290	244	0	91.4	84.0	2923	0	2914
1888.0	2.0	11.3	45	290	245	0	91.3	83.8	2917	0	2919
1890.0	2.0	11.3	44	290	246	0	91.2	84.3	2921	0	2923
1892.0	2.0	11.4	45	290	245	0	91.7	77.4	2747	0	2922
1894.0	2.0	11.5	48	290	242	0	94.0	69.9	2391	0	2928
1896.0	2.0	11.5	43	290	247	0	103.4	.0	1144	0	2934
1898.0	2.0	11.6	44	290	246	0	100.5	38.6	2166	0	2939
1510											
1900.0	2.0	11.7	35	290	255	0	102.5	73.7	2949	0	2943
1902.0	2.0	11.7	44	290	246	0	103.4	73.3	2959	0	2943
1904.0	2.0	11.8	44	290	246	0	102.6	73.1	2973	0	2945
1906.0	2.0	11.9	47	290	243	0	102.7	72.3	2988	0	2951
1908.0	2.0	11.9	43	290	247	0	102.6	72.8	2990	0	2957
1910.0	2.0	12.0	45	290	245	0	102.9	72.2	3004	0	2960
1912.0	2.0	12.1	44	293	249	0	103.2	70.8	2970	0	2957
1914.0	2.0	12.2	44	293	249	0	103.2	70.5	2970	0	2960
1916.0	2.0	12.2	42	293	251	0	103.1	70.9	2958	0	2966
1918.0	2.0	12.3	42	293	251	0	103.4	70.5	2957	0	2970
1529											
1920.0	2.0	12.4	38	293	255	0	109.1	75.1	2958	0	2967
1922.0	2.0	12.5	43	295	252	0	112.1	72.7	2903	0	2967
1924.0	2.0	12.5	45	295	250	0	112.7	70.7	2879	0	2972
1926.0	2.0	12.6	43	295	252	0	113.2	70.8	2884	0	2977
1928.0	2.0	12.7	45	295	250	0	113.5	70.3	2892	0	2981
1930.0	2.0	12.7	40	295	258	0	113.5	71.6	2939	0	2980
1932.0	2.0	12.8	40	295	260	0	113.9	72.5	2970	0	2986
1934.0	2.0	12.9	40	295	262	0	115.1	72.6	2967	0	2992
1936.0	2.0	13.0	40	295	262	0	110.8	73.0	2890	0	2996
1938.0	2.0	13.1	40	295	261	0	109.4	73.5	2862	0	2998
1549											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1549											
1940.0	2.0	13.1	40	296	263	0	110.4	73.3	2897	0	2998
1942.0	2.0	13.2	41	304	261	0	111.7	73.4	2936	0	3004
1944.0	2.0	13.3	44	304	260	0	112.5	73.8	2939	0	3007
1946.0	2.0	13.4	40	304	264	0	112.0	73.0	2923	0	3010
1948.0	2.0	13.5	43	305	262	0	111.7	73.3	2936	0	3013
1952.0	4.0	13.6	44	305	261	0	106.9	71.8	2915	0	3023
1954.0	2.0	13.7	43	305	262	0	107.1	72.1	2908	0	3027
1956.0	2.0	13.8	44	305	261	0	107.1	72.1	2915	0	3030
1958.0	2.0	13.9	42	305	263	0	106.7	71.1	2871	0	3029
1960.0	2.0	14.0	43	305	262	0	105.6	69.7	2799	0	3027
1569											
1962.0	2.0	14.0	41	305	264	0	105.7	69.8	2805	0	3030
1964.0	2.0	14.1	43	305	262	0	106.1	69.8	2817	0	3033
1966.0	2.0	14.2	40	305	265	0	105.3	70.0	2820	0	3034
1968.0	2.0	14.3	36	305	269	0	105.7	69.7	2820	0	3039
1970.0	2.0	14.4	43	307	264	0	105.6	69.9	2826	0	3044
1972.0	2.0	14.4	45	307	262	0	105.8	70.1	2844	0	3048
1978.0	6.0	14.6	46	307	261	0	106.3	70.9	2884	0	3056
1980.0	2.0	14.7	44	307	263	0	108.0	71.1	2944	0	3062
1982.0	2.0	14.8	44	307	263	0	108.2	70.9	2949	0	3069
1984.0	2.0	14.9	45	307	262	0	108.3	70.9	2955	0	3075
1589											
1986.0	2.0	14.9	45	307	262	0	109.1	70.9	2956	0	3077
1988.0	2.0	15.0	46	306	261	0	107.6	69.5	2890	0	3075
1990.0	2.0	15.1	40	305	265	0	106.9	72.8	2977	0	3077
1992.0	2.0	15.2	44	305	261	0	107.0	73.1	2998	0	3080
1994.0	2.0	15.3	43	305	262	0	107.6	73.5	3009	0	3083
1996.0	2.0	15.3	43	305	262	0	107.5	73.4	3014	0	3086
1998.0	2.0	15.4	45	305	260	0	101.2	67.5	2879	0	3085
2000.0	2.0	15.5	44	305	261	0	100.8	66.2	2891	0	3091
2002.0	2.0	15.6	45	305	260	0	100.7	66.4	2899	0	3096
2004.0	2.0	15.6	43	305	262	0	100.6	66.9	2912	0	3100
1609											
2006.0	2.0	15.7	42	305	263	0	101.8	65.8	2920	0	3102
2008.0	2.0	15.8	45	305	260	0	102.5	67.1	2956	0	3104
2010.0	2.0	15.9	44	305	261	0	103.7	64.8	2923	0	3109
2012.0	2.0	15.9	43	305	262	0	103.5	65.0	2930	0	3114
2014.0	2.0	16.0	43	305	262	0	103.6	65.0	2925	0	3117
2016.0	2.0	16.1	45	305	260	0	101.6	67.4	2958	0	3114
2018.0	2.0	16.2	42	305	263	0	100.9	68.9	2980	0	3116
2020.0	2.0	16.3	42	305	263	0	101.2	69.1	2981	0	3121
2022.0	2.0	16.3	46	305	259	0	101.2	69.0	2995	0	3125
2024.0	2.0	16.4	45	305	260	0	90.1	77.4	2941	0	3120
1629											
2026.0	2.0	16.5	43	305	262	0	84.5	82.5	2912	0	3126
2028.0	2.0	16.6	47	305	258	0	84.5	82.9	2919	0	3131
2030.0	2.0	16.7	43	305	262	0	85.5	83.0	2935	0	3134
2032.0	2.0	16.8	43	305	262	0	86.0	83.2	2953	0	3138
2034.0	2.0	16.9	45	305	260	0	85.8	83.2	2947	0	3142
2038.0	4.0	17.0	45	305	260	0	94.2	73.5	2904	0	3149
2040.0	2.0	17.1	45	305	260	0	99.9	63.6	2537	0	3154
2042.0	2.0	17.2	46	305	259	0	96.6	65.5	2744	0	3157
2044.0	2.0	17.3	45	305	260	0	96.9	65.2	2737	0	3160
2046.0	2.0	17.4	42	304	262	0	98.2	62.8	2745	0	3159
1650											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1650										
2048.0	2.0	17.4	35	304	269	0	99.9	68.0	2926	0	3163
2050.0	2.0	17.6	34	304	270	0	100.3	68.1	2932	0	3171
2052.0	2.0	17.7	36	304	268	0	100.7	67.3	2853	0	3179
2054.0	2.0	17.7	35	304	269	0	101.5	46.0	2547	0	3187
2056.0	2.0	17.8	40	304	264	0	98.7	57.5	2574	0	3198
2058.0	2.0	17.9	38	304	266	0	102.1	64.5	2884	0	3205
2060.0	2.0	18.0	39	304	265	0	102.6	64.6	2904	0	3212
2062.0	2.0	18.1	38	304	266	0	102.6	64.6	2902	0	3217
2066.0	4.0	18.2	37	304	267	0	102.2	62.8	2848	0	3221
2068.0	2.0	18.4	38	304	266	0	80.2	81.8	2774	0	3226
	1671										
2070.0	2.0	18.5	37	304	267	0	78.1	84.9	2799	0	3229
2072.0	2.0	18.6	38	304	266	0	77.9	85.4	2811	0	3232
2076.0	4.0	18.7	39	304	265	0	91.3	75.2	2855	0	3237
2078.0	2.0	18.8	38	304	266	0	92.3	62.0	2543	0	3242
2080.0	2.0	18.9	38	304	266	0	95.1	64.0	2731	0	3245
2082.0	2.0	19.0	39	304	265	0	94.6	67.2	2800	0	3248
2086.0	4.0	19.2	39	304	265	0	92.6	65.1	2780	0	3253
2088.0	2.0	19.3	36	304	268	0	92.8	63.8	2751	0	3257
2090.0	2.0	19.4	37	304	267	0	93.6	64.2	2751	0	3260
2092.0	2.0	19.5	38	304	266	0	92.6	64.2	2749	0	3263
	1692										
2094.0	2.0	19.6	40	304	264	0	90.7	67.3	2791	0	3267
2096.0	2.0	19.7	36	304	268	0	93.5	67.5	2755	0	3270
2098.0	2.0	19.7	36	307	271	0	83.1	71.9	2668	0	3275
2100.0	2.0	19.8	39	307	268	0	89.9	70.6	2515	0	3280
2102.0	2.0	19.9	39	307	268	0	106.3	7.0	1590	0	3283
2104.0	2.0	20.0	38	309	271	0	88.8	69.4	2309	0	3285
2106.0	2.0	20.1	39	309	270	0	84.2	76.3	2901	0	3288
2108.0	2.0	20.2	40	309	269	0	84.6	76.4	2882	0	3291
2110.0	2.0	20.3	39	309	270	0	85.4	76.4	2903	0	3291
2112.0	2.0	20.4	36	309	273	0	85.5	76.7	2900	0	3292
	1712										
2114.0	2.0	20.5	37	309	272	0	80.1	73.2	2664	0	3295
2116.0	2.0	20.7	39	309	270	0	77.6	79.5	2732	0	3298
2118.0	2.0	20.8	38	309	273	0	77.8	78.8	2728	0	3301
2120.0	2.0	20.9	40	309	276	0	77.8	78.6	2729	0	3304
2122.0	2.0	21.0	40	310	275	0	77.0	74.8	2583	0	3307
2124.0	2.0	21.1	39	310	273	0	76.7	74.3	2561	0	3310
2126.0	2.0	21.2	38	310	272	0	78.2	75.2	2654	0	3313
2128.0	2.0	21.3	40	310	270	0	79.4	72.0	2572	0	3316
2130.0	2.0	21.4	39	310	271	0	79.2	74.0	2619	0	3320
2132.0	2.0	21.5	39	310	271	0	77.2	75.9	2626	0	3323
	1731										
2134.0	2.0	21.6	39	310	271	0	80.1	73.4	2632	0	3326
2136.0	2.0	21.6	38	310	272	0	79.0	70.8	2525	0	3332
2138.0	2.0	21.7	36	311	274	0	78.3	73.7	2599	0	3337
2140.0	2.0	21.8	39	312	273	0	77.7	78.5	2720	0	3342
2142.0	2.0	21.9	40	312	272	0	80.8	74.4	2679	0	3344
2144.0	2.0	22.0	41	312	271	0	77.9	73.7	2577	0	3349
2146.0	2.0	22.1	43	312	269	0	75.6	73.5	2520	0	3354
2148.0	2.0	22.2	40	312	272	0	75.1	73.2	2532	0	3354
2150.0	2.0	22.3	41	312	271	0	78.9	71.7	2570	0	3354
2152.0	2.0	22.4	38	312	274	0	79.4	72.6	2597	0	3353
	1751										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1751											
2154.0	2.0	22.5	44	312	268	0	79.0	73.2	2603	0	3355
2156.0	2.0	22.6	47	312	265	0	78.6	72.9	2600	0	3360
2158.0	2.0	22.7	43	312	269	0	78.8	73.6	2608	0	3364
2160.0	2.0	22.8	41	312	271	0	80.1	71.0	2583	0	3367
2162.0	2.0	22.9	40	312	272	0	80.3	70.9	2593	0	3372
2164.0	2.0	22.9	44	312	268	0	80.6	70.8	2600	0	3378
2166.0	2.0	23.0	43	312	269	0	80.5	71.0	2608	0	3382
2168.0	2.0	23.1	41	312	271	0	79.3	72.2	2610	0	3380
2170.0	2.0	23.2	40	312	272	0	78.4	73.2	2603	0	3385
2172.0	2.0	23.3	40	312	272	0	78.1	73.1	2594	0	3390
1771											
2174.0	2.0	23.4	42	312	270	0	77.7	73.2	2601	0	3394
2176.0	2.0	23.5	43	312	269	0	78.5	74.3	2664	0	3395
2178.0	2.0	23.6	42	312	270	0	76.4	76.8	2644	0	3396
2180.0	2.0	23.7	40	312	275	0	74.9	75.4	2586	0	3402
2182.0	2.0	23.8	40	312	276	0	74.9	76.3	2599	0	3406
2184.0	2.0	23.9	40	314	278	0	77.3	73.7	2652	0	3409
2186.0	2.0	23.9	42	315	275	0	79.1	71.4	2596	0	3408
2188.0	2.0	24.0	45	315	270	0	81.1	67.6	2554	0	3414
2190.0	2.0	24.1	44	315	271	0	79.6	70.0	2578	0	3419
2192.0	2.0	24.2	42	315	273	0	72.1	78.6	2612	0	3423
1791											
2194.0	2.0	24.3	43	315	272	0	75.4	77.7	2655	0	3426
2196.0	2.0	24.4	49	315	266	0	81.5	73.5	2752	0	3428
2198.0	2.0	24.5	48	315	267	0	82.2	73.1	2761	0	3434
2200.0	2.0	24.6	49	315	266	0	82.8	73.6	2763	0	3440
2202.0	2.0	24.7	49	315	266	0	82.8	73.2	2761	0	3444
2204.0	2.0	24.8	45	315	270	0	80.9	73.7	2729	0	3446
2206.0	2.0	24.9	46	315	269	0	75.8	75.6	2637	0	3447
2208.0	2.0	25.0	47	315	268	0	75.8	75.4	2639	0	3452
2210.0	2.0	25.1	50	315	265	0	75.5	75.1	2631	0	3457
2212.0	2.0	25.2	46	315	269	0	75.5	75.3	2635	0	3460
1811											
2214.0	2.0	25.3	42	315	273	0	78.7	72.2	2649	0	3458
2216.0	2.0	25.4	45	315	270	0	76.6	75.8	2695	0	3458
2218.0	2.0	25.5	48	315	267	0	76.8	76.2	2698	0	3462
2220.0	2.0	25.6	47	315	268	0	76.9	76.0	2692	0	3466
2222.0	2.0	25.7	49	315	266	0	77.5	76.9	2693	0	3469
2224.0	2.0	25.8	47	315	268	0	78.0	80.1	2734	0	3471
2226.0	2.0	25.9	45	315	270	0	77.4	72.3	2638	0	3474
2228.0	2.0	26.0	44	315	271	0	83.6	70.9	2769	0	3479
2230.0	2.0	26.0	44	315	271	0	74.2	72.5	2530	0	3481
2232.0	2.0	26.1	44	315	271	0	74.1	72.4	2536	0	3483
1831											
2234.0	2.0	26.3	45	316	270	0	76.3	72.2	2627	0	3485
2236.0	2.0	26.4	47	316	269	0	79.0	72.4	2710	0	3490
2238.0	2.0	26.5	44	316	272	0	79.5	72.5	2732	0	3494
2240.0	2.0	26.5	45	316	271	0	79.8	72.6	2718	0	3498
2242.0	2.0	26.6	44	316	272	0	79.8	73.0	2729	0	3501
2244.0	2.0	26.7	44	316	272	0	79.1	72.8	2728	0	3505
2246.0	2.0	26.7	47	316	269	0	76.3	72.8	2633	0	3507
2248.0	2.0	26.8	45	316	271	0	81.5	72.8	2787	0	3510
2250.0	2.0	26.9	47	316	269	0	81.8	72.8	2796	0	3513
2252.0	2.0	27.0	47	316	269	0	82.1	72.4	2798	0	3516
1850											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1850											
2254.0	2.0	27.1	47	316	269	0	77.1	74.9	2739	0	3520
2256.0	2.0	27.1	45	316	271	0	79.1	71.6	2526	0	3523
2258.0	2.0	27.3	43	316	273	0	75.7	74.0	2617	0	3526
2260.0	2.0	27.4	47	316	269	0	83.4	71.7	2840	0	3529
2262.0	2.0	27.5	45	316	271	0	84.1	70.3	2813	0	3532
2264.0	2.0	27.6	47	316	269	0	77.5	72.6	2669	0	3535
2266.0	2.0	27.6	50	316	266	0	76.7	75.9	2744	0	3538
2268.0	2.0	27.8	47	316	269	0	77.0	75.2	2737	0	3541
2270.0	2.0	27.9	45	316	271	0	77.0	74.6	2706	0	3545
2272.0	2.0	28.0	49	316	267	0	77.0	73.0	2697	0	3548
1869											
2274.0	2.0	28.0	45	316	271	0	80.5	74.2	2810	0	3551
2276.0	2.0	28.1	49	316	267	0	78.3	73.2	2713	0	3554
2278.0	2.0	28.2	43	316	273	0	82.7	72.2	2825	0	3557
2280.0	2.0	28.4	47	316	269	0	82.9	71.6	2816	0	3560
2282.0	2.0	28.5	48	316	268	0	76.4	72.3	2637	0	3563
2284.0	2.0	28.6	48	316	268	0	78.7	72.5	2706	0	3566
2286.0	2.0	28.7	46	316	270	0	77.9	74.3	2739	0	3570
2288.0	2.0	28.8	47	316	269	0	77.9	74.4	2749	0	3573
2290.0	2.0	28.9	45	317	271	0	78.2	74.2	2748	0	3576
2292.0	2.0	29.0	49	318	269	0	76.8	74.6	2700	0	3579
1889											
2294.0	2.0	29.1	48	318	270	0	74.7	70.1	2526	0	3582
2296.0	2.0	29.2	48	318	270	0	75.2	70.8	2558	0	3585
2298.0	2.0	29.3	49	318	269	0	74.4	75.7	2699	0	3588
2300.0	2.0	29.4	48	319	268	0	76.6	75.1	2728	0	3597
2302.0	2.0	29.5	48	320	270	0	81.0	70.2	2737	0	3605
2304.0	2.0	29.6	47	318	271	0	76.5	72.6	2657	0	3615
2306.0	2.0	.1	24	293	269	0	74.0	64.0	2914	0	3576
2308.0	2.0	.3	29	294	265	0	74.8	62.5	2865	0	3580
2310.0	2.0	.4	42	294	252	0	75.4	62.8	2710	0	3606
2312.0	2.0	.7	40	294	285	0	76.3	72.7	2267	0	3625
1913											
2314.0	2.0	.8	40	296	286	0	84.3	79.5	2722	0	3631
2316.0	2.0	.9	40	296	283	0	80.0	75.4	2459	0	3637
2318.0	2.0	1.0	40	296	281	0	79.1	75.6	2446	0	3643
2320.0	2.0	1.1	40	306	280	0	80.6	75.5	2503	0	3651
2322.0	2.0	1.2	45	329	283	0	86.1	76.2	2715	0	3656
2324.0	2.0	1.3	43	325	283	0	85.2	77.8	2731	0	3663
2326.0	2.0	1.4	41	325	284	0	83.9	76.2	2622	0	3671
2328.0	2.0	1.5	41	325	284	0	83.9	76.1	2600	0	3677
2332.0	4.0	1.8	42	325	283	0	85.5	79.6	2800	0	3680
2334.0	2.0	1.9	37	325	288	0	86.3	81.0	2887	0	3684
1933											
2336.0	2.0	2.1	37	325	288	0	84.9	79.2	2755	0	3684
2338.0	2.0	2.2	35	325	290	0	82.6	76.1	2629	0	3683
2340.0	2.0	2.4	35	325	290	0	83.4	76.4	2655	0	3684
2342.0	2.0	2.5	37	325	288	0	83.4	76.3	2634	0	3687
2344.0	2.0	2.6	37	325	288	0	83.4	76.4	2622	0	3690
2346.0	2.0	2.8	39	325	286	0	83.4	76.1	2628	0	3694
2348.0	2.0	2.9	35	325	290	0	83.7	78.0	2693	0	3697
2350.0	2.0	3.1	38	325	287	0	83.8	78.6	2732	0	3700

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1949											
2352.0	.0	3.2	41	325	284	0	84.6	78.8	2735	0	3703
2354.0	2.0	3.3	43	325	282	0	84.4	78.0	2758	0	3706
2356.0	2.0	3.4	43	325	282	0	84.1	77.9	2773	0	3709
2358.0	2.0	3.5	39	325	286	0	73.9	70.7	2283	0	3713
2360.0	2.0	3.7	40	325	285	0	90.7	54.0	2165	0	3716
2362.0	2.0	3.8	41	325	284	0	87.3	71.9	2660	0	3719
2364.0	2.0	3.9	44	325	281	0	87.4	71.2	2664	0	3722
2368.0	4.0	4.1	40	292	271	0	88.1	73.2	2733	0	3727
2370.0	2.0	4.3	42	325	283	0	88.5	74.8	2792	0	3731
2372.0	2.0	4.4	41	325	284	0	88.6	74.7	2801	0	3740
1970											
2374.0	2.0	4.6	39	325	286	0	88.3	74.9	2811	0	3752
2376.0	2.0	4.7	38	326	287	0	88.1	76.1	2820	0	3763
2378.0	2.0	4.8	37	326	289	0	83.8	80.3	2804	0	3776
2380.0	2.0	5.0	38	326	288	0	84.9	75.7	2702	0	3788
2382.0	2.0	5.1	35	326	291	0	85.4	75.8	2690	0	3798
2384.0	2.0	5.2	36	326	290	0	85.1	75.4	2691	0	3802
2385.0	1.0	5.3	37	326	290	0	84.7	75.3	2684	0	3804

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1983											
				NEW BIT ID:	-1						
2390.0	.0	.5	13	332	318	0	49.6	.0	671	0	3709
2392.0	2.0	.9	15	332	317	0	50.3	.0	791	0	3714
2394.0	2.0	1.1	15	332	317	0	50.0	.0	861	0	3719
2396.0	2.0	1.4	15	332	317	0	49.8	.0	872	0	3726
2398.0	2.0	1.8	15	332	317	0	50.4	.0	858	0	3732
2400.0	2.0	2.5	16	332	316	0	49.5	.0	842	0	3736
2400.2	.2	2.8	20	332	312	0	49.7	.0	814	0	3737
				NEW BIT ID:	-2						
2402.0	.0	.1	22	329	307	0	50.0	.0	815	0	3807
2404.0	2.0	.8	22	329	307	0	50.0	.0	815	0	3810
2406.0	2.0	1.4	22	329	307	0	50.0	.0	815	0	3813
2012											
2408.0	2.0	2.0	22	329	307	0	50.0	.0	815	0	3817
2410.0	2.0	2.1	22	329	307	0	50.0	.0	815	0	3823
2413.0	3.0	2.5	22	329	307	0	50.0	.0	815	0	3831
				NEW BIT ID:	-3						
2416.0	.0	.1	13	326	312	0	51.1	.0	804	0	3805
2418.0	2.0	.3	21	329	308	0	50.3	.0	817	0	3842
2420.0	2.0	.4	22	329	307	0	49.5	.0	783	0	3848
2422.0	2.0	.6	22	329	307	0	50.3	.0	733	0	3854
2424.0	2.0	1.3	22	329	307	0	49.6	.0	941	0	3861
2424.8	.8	1.6	22	329	307	0	49.1	.0	972	0	3864
				NEW BIT ID:	-4						
2426.0	.0	.3	19	349	330	0	.0	48.0	745	0	3888
2039											
2428.0	2.0	.9	19	349	330	0	.0	48.0	745	0	3892
2430.0	2.0	1.4	19	349	330	0	.0	48.0	745	0	3895
2432.0	2.0	2.0	19	349	330	0	.0	48.0	745	0	3898
2434.0	2.0	2.2	19	349	330	0	.0	48.0	745	0	3903
2436.0	2.0	2.3	19	349	330	0	.0	48.0	745	0	3909
2436.6	.6	2.6	19	349	330	0	.0	48.0	745	0	3912
				NEW BIT ID:	-5						
2438.0	.0	.2	16	354	338	0	.0	52.1	622	0	3899
2438.8	.8	.9	19	353	334	0	.0	53.5	845	0	3901
				NEW BIT ID:	7						
2440.0	.0	.1	43	342	327	0	72.0	66.1	2754	0	4006
2442.0	2.0	.2	44	347	302	0	75.2	64.0	2783	0	3874
2066											
				NEW BIT ID:	-6						
2444.0	2.0	.3	42	347	305	0	73.8	63.5	2768	0	3877
2446.0	2.0	.4	22	347	325	0	56.0	.0	870	0	3878

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2074											
2448.0	2.0	1.0	22	347	325	0	56.0	.0	870	0	3882
2450.0	2.0	1.8	22	347	325	0	56.0	.0	870	0	3885
2452.0	2.0	2.3	22	347	325	0	56.0	.0	870	0	3889
2454.0	2.0	2.6	22	347	325	0	56.0	.0	870	0	3895
2456.0	2.0	2.8	22	347	325	0	56.0	.0	870	0	3902
2457.0	1.0	2.9	22	347	325	0	56.0	.0	870	0	3905
NEW BIT ID: 8											
2458.0	.0	.0	37	347	310	0	72.0	74.0	2940	0	3896
2460.0	2.0	.1	37	347	310	0	72.0	74.0	2940	0	3901
2462.0	2.0	.1	37	347	310	0	72.0	74.0	2940	0	3908
2466.0	4.0	.2	37	347	310	0	72.0	74.0	2940	0	3919
2098											
2468.0	2.0	.2	37	347	310	0	72.0	74.0	2940	0	3928
2470.0	2.0	.3	37	347	310	0	72.0	74.0	2940	0	3935
2472.0	2.0	.4	37	347	310	0	72.0	74.0	2940	0	3943
2474.0	2.0	.5	37	347	310	0	72.0	74.0	2940	0	3950
2476.0	2.0	.5	37	347	310	0	72.0	74.0	2940	0	3958
2478.0	2.0	.6	39	347	309	0	72.0	74.0	2940	0	3966
2480.0	2.0	.7	40	347	307	0	72.0	74.0	2940	0	3974
2482.0	2.0	.8	40	347	307	0	72.0	74.0	2940	0	3982
2484.0	2.0	.9	40	347	307	0	72.0	74.0	2940	0	3989
2486.0	2.0	.9	40	347	307	0	72.0	74.0	2940	0	3996
2118											
2488.0	2.0	.9	40	347	307	0	72.0	74.0	2940	0	4002
2490.0	2.0	.9	40	347	307	0	72.0	74.0	2940	0	4009
2492.0	2.0	1.0	40	347	307	0	72.0	74.0	2940	0	4016
2494.0	2.0	1.0	40	347	307	0	72.0	74.0	2940	0	4023
2496.0	2.0	1.1	40	347	307	0	75.0	78.0	2980	0	4030
2498.0	2.0	1.1	41	347	306	0	75.0	78.0	2980	0	4034
2500.0	2.0	1.2	42	347	305	0	75.0	78.0	2980	0	4038
2502.0	2.0	1.3	42	347	305	0	75.0	78.0	2980	0	4038
2504.0	2.0	1.3	42	347	305	0	75.0	78.0	2980	0	4039
2506.0	2.0	1.4	42	347	305	0	75.0	78.0	2980	0	4041
2138											
2508.0	2.0	1.5	42	347	305	0	75.0	78.0	2980	0	4045
2510.0	2.0	1.6	42	347	305	0	75.0	78.0	2980	0	4047
2512.0	2.0	1.7	42	347	305	0	75.0	78.0	2980	0	4046
2514.0	2.0	1.9	42	347	305	0	75.0	78.0	2980	0	4042
2516.0	2.0	2.0	42	348	306	0	75.0	78.0	2980	0	4037
2518.0	2.0	2.1	42	348	306	0	75.0	78.0	2980	0	4035
2520.0	2.0	2.2	42	348	306	0	75.0	78.0	2980	0	4035
2522.0	2.0	2.4	42	348	306	0	75.0	78.0	2980	0	4033
2524.0	2.0	2.6	42	348	306	0	75.0	78.0	2980	0	4033
2526.0	2.0	2.7	45	348	303	0	79.0	80.0	2300	0	4038
2158											
2528.0	2.0	2.7	45	348	303	0	79.0	80.0	2300	0	4044
2530.0	2.0	2.8	45	348	303	0	79.0	80.0	2300	0	4050
2532.0	2.0	2.8	45	348	303	0	79.0	80.0	2300	0	4055
2534.0	2.0	2.9	45	348	303	0	79.0	80.0	2300	0	4061
2536.0	2.0	2.9	45	348	303	0	79.0	80.0	2300	0	4067
2538.0	2.0	3.1	50	348	298	0	79.0	80.0	2300	0	4070
2540.0	2.0	3.3	50	348	298	0	79.0	80.0	2300	0	4070

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	2172										
2542.0	2.0	3.5	50	348	298	0	79.0	80.0	2300	0	4071
2544.0	2.0	3.8	50	348	298	0	79.0	80.0	2300	0	4071
2546.0	2.0	4.0	55	352	297	0	79.0	80.0	2300	0	4066
2548.0	2.0	4.3	55	352	297	0	79.0	80.0	2300	0	4059
2550.0	2.0	4.5	55	352	297	0	79.0	80.0	2300	0	4063
2552.0	2.0	4.8	55	352	297	0	79.0	80.0	2300	0	4066
2554.0	2.0	4.9	55	352	297	0	79.0	80.0	2300	0	4070
2556.0	2.0	5.1	58	352	295	0	78.0	84.0	2310	0	4075
2558.0	2.0	5.2	60	352	292	0	78.0	84.0	2310	0	4080
2560.0	2.0	5.3	60	352	292	0	78.0	84.0	2310	0	4085
	2192										
2562.0	2.0	5.3	60	352	292	0	78.0	84.0	2310	0	4091
2564.0	2.0	5.4	60	352	292	0	78.0	84.0	2310	0	4097
2566.0	2.0	5.5	60	368	308	0	78.0	84.0	2310	0	4102
2568.0	2.0	5.8	60	368	308	0	78.0	84.0	2310	0	4109
2570.0	2.0	6.0	60	368	308	0	78.0	84.0	2310	0	4115
2572.0	2.0	6.1	60	368	308	0	78.0	84.0	2310	0	4120
2574.0	2.0	6.3	60	368	308	0	78.0	84.0	2310	0	4123
2576.0	2.0	6.6	60	368	308	0	78.0	84.0	2310	0	4126
2577.0	1.0	6.7	60	368	308	0	78.0	84.0	2310	0	4123

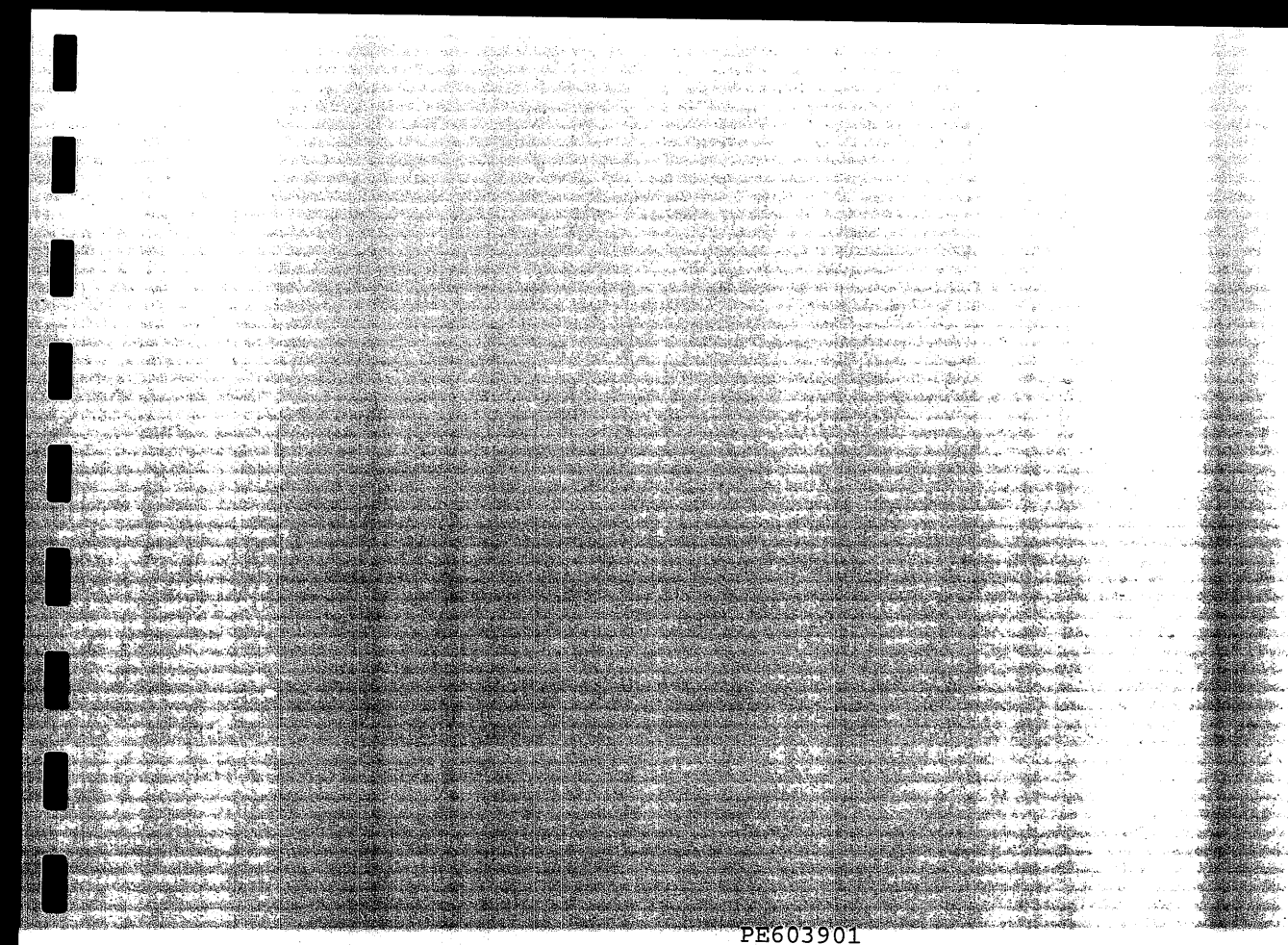
PE603900

This is an enclosure indicator page.
The enclosure PE603900 is enclosed within the container PE905508 at this location in this document.

The enclosure PE603900 has the following characteristics:

ITEM_BARCODE	= PE603900
CONTAINER_BARCODE	= PE905508
NAME	= Drill Data Plot
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Drill Data Plot(from Extended Service Well Report) for West Halibut-1
REMARKS	=
DATE_CREATED	= 18/09/78
DATE_RECEIVED	= 9/04/79
W_NO	= W706
WELL_NAME	= WEST HALIBUT-1
CONTRACTOR	= CORE LABORATORIES, INC
CLIENT_OP_CO	= ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

(Inserted by DNRE - Vic Govt Mines Dept)



PE603901

This is an enclosure indicator page.
The enclosure PE603901 is enclosed within the container PE905508 at this location in this document.

The enclosure PE603901 has the following characteristics:

ITEM_BARCODE	= PE603901
CONTAINER_BARCODE	= PE905508
NAME	= Geo-plot
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Geo-plot, 1of 2, (from Extended Service Well Report) for West Halibut-1
REMARKS	=
DATE_CREATED	= 18/09/78
DATE_RECEIVED	= 9/04/79
W_NO	= W706
WELL_NAME	= WEST HALIBUT-1
CONTRACTOR	= CORE LABORATORIES, INC
CLIENT_OP_CO	= ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

(Inserted by DNRE - Vic Govt Mines Dept)

PE603902

This is an enclosure indicator page.
The enclosure PE603902 is enclosed within the container PE905508 at this location in this document.

The enclosure PE603902 has the following characteristics:

ITEM_BARCODE	= PE603902
CONTAINER_BARCODE	= PE905508
NAME	= Geo-plot
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Geo-plot, 1of 2, (from Extended Service Well Report) for West Halibut-1
REMARKS	=
DATE_CREATED	= 18/09/78
DATE_RECEIVED	= 9/04/79
W_NO	= W706
WELL_NAME	= WEST HALIBUT-1
CONTRACTOR	= CORE LABORATORIES, INC
CLIENT_OP_CO	= ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

(Inserted by DNRE - Vic Govt Mines Dept)

PE603903

This is an enclosure indicator page.
The enclosure PE603903 is enclosed within the container PE905508 at this location in this document.

The enclosure PE603903 has the following characteristics:

ITEM_BARCODE	PE603903
CONTAINER_BARCODE	PE905508
NAME	Temperature Plot
BASIN	GIPPSLAND
PERMIT	VIC/L5
TYPE	WELL
SUBTYPE	WELL_LOG
DESCRIPTION	Temperature Log (from Extended Service Well Report) for West Halibut-1
REMARKS	
DATE_CREATED	18/09/78
DATE_RECEIVED	9/04/79
W_NO	W706
WELL_NAME	WEST HALIBUT-1
CONTRACTOR	CORE LABORATORIES, INC
CLIENT_OP_CO	ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

(Inserted by DNRE - Vic Govt Mines Dept)

PE603904

This is an enclosure indicator page.
The enclosure PE603904 is enclosed within the container PE905508 at this location in this document.

The enclosure PE603904 has the following characteristics:

ITEM_BARCODE	= PE603904
CONTAINER_BARCODE	= PE905508
NAME	= E.S.P Pressure Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= E.S.P Pressure Log (from Extended Service Well Report) for West Halibut-1
REMARKS	=
DATE_CREATED	= 18/09/78
DATE_RECEIVED	= 9/04/79
W_NO	= W706
WELL_NAME	= WEST HALIBUT-1
CONTRACTOR	= CORE LABORATORIES, INC
CLIENT_OP_CO	= ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

(Inserted by DNRE - Vic Govt Mines Dept)

PE603905

This is an enclosure indicator page.
The enclosure PE603905 is enclosed within the container PE905508 at this location in this document.

The enclosure PE603905 has the following characteristics:

ITEM_BARCODE	= PE603905
CONTAINER_BARCODE	= PE905508
NAME	= Mud Log (Grapholog)
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Grapholog - Mud Log (from Extended Service Well Report) for West Halibut-1
REMARKS	=
DATE_CREATED	= 18/09/78
DATE_RECEIVED	= 9/04/79
W_NO	= W706
WELL_NAME	= WEST HALIBUT-1
CONTRACTOR	= CORE LABORATORIES, INC
CLIENT_OP_CO	= ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

(Inserted by DNRE - Vic Govt Mines Dept)