BASIC

OIL and GAS DIVISION

SEPARATE ATTACHMENT TO WCR FOR

FORTESCUE-1

PETROLEUM RESERVOIR ENGINEERING · RESEARCH · FIELD SERVICES
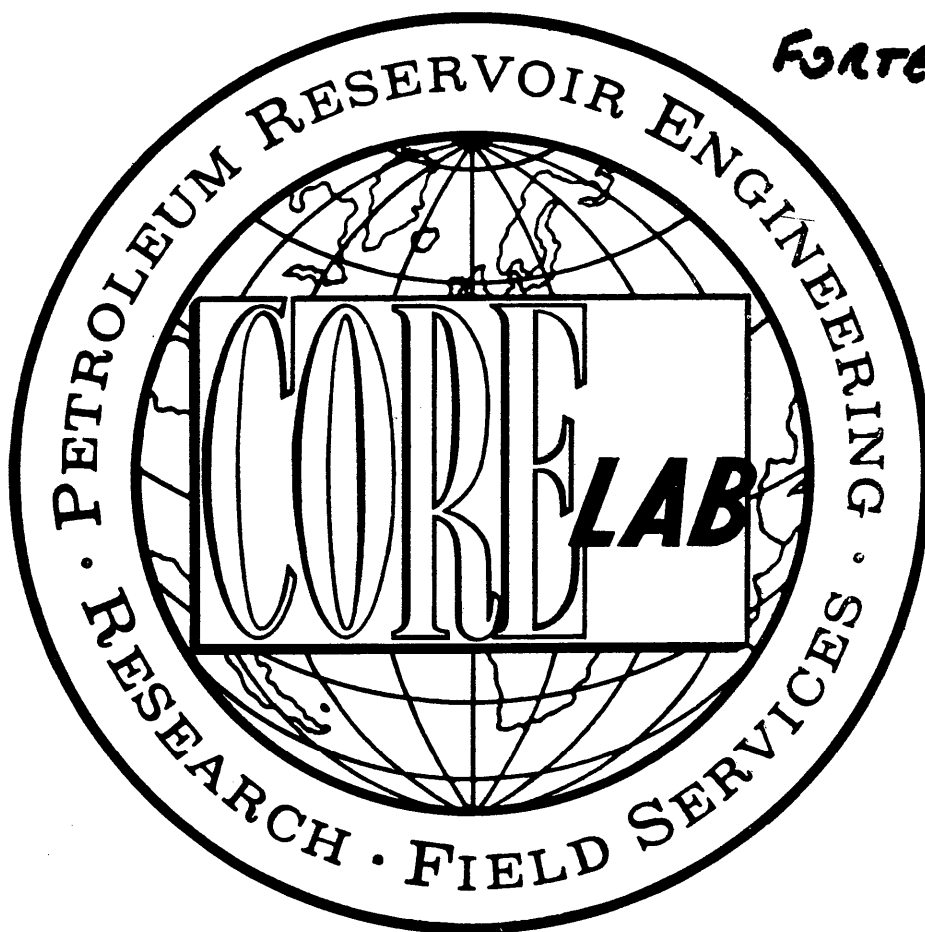
CORE LAB

EXTENDED SERVICE
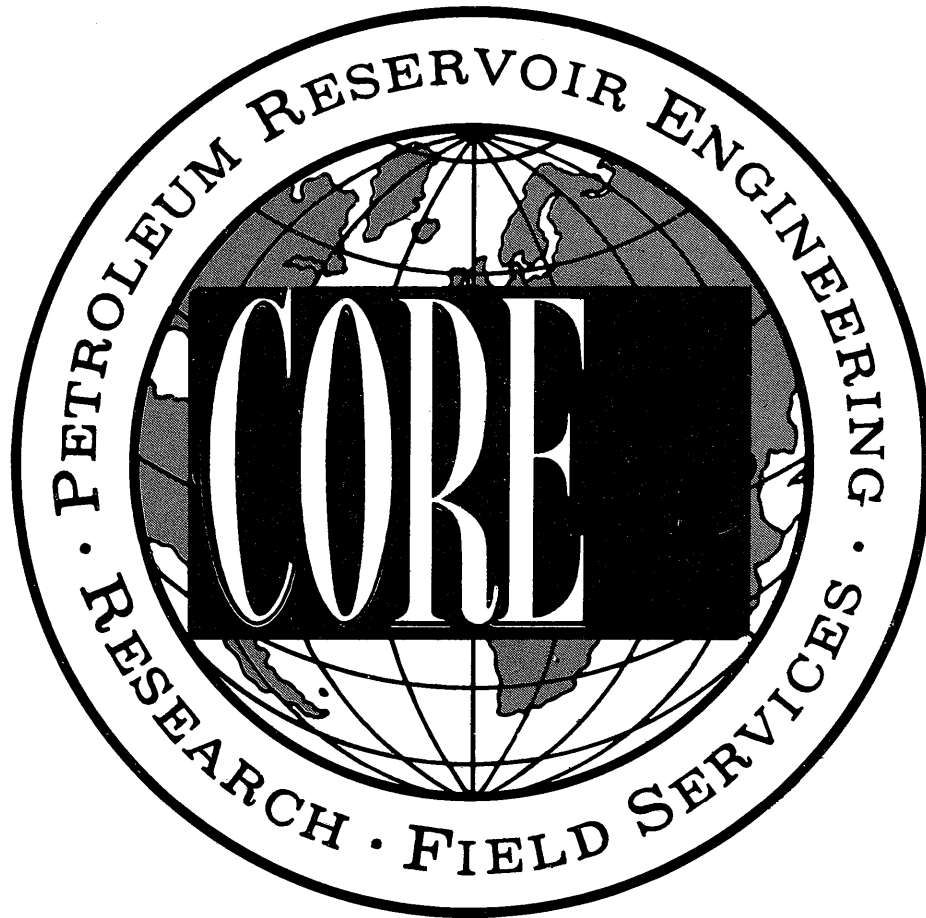
ESSO EXPLORATION AUSTRALIA, LTD.

FORTESCUE NO. 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

28 JULY 1978

Esso Exploration, Australia Ltd.
P.O. BOX 372
Sale
Victoria 3850
AUSTRALIA
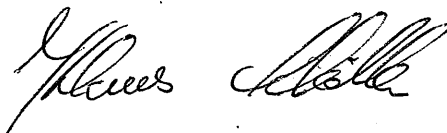
Attention: Mr. L. D. Attaway

Dear Sir,

Enclosed with this well summary, for your inspection and reference, are all logs and relevant data (computer recorded, metre by metre) pertaining to the drilling of FORTESCUE NO. 1. If you have any suggestions or queries on the presentation of this well summary and the data found within, please do not hesitate to contact us.

Core Laboratories appreciates being of assistance to ESSO AUSTRALIA during the entire drilling operations of FORTESCUE NO. 1 and look forward to our continuing association on future exploratory work in Australia.

Yours very truly,
CORE LABORATORIES INTERNATIONAL LTD.

The well FORTESCUE NO. 1 was drilled by ESSO EXPLORATION
AUSTRALIA LTD. in the Gippsland Basin, Bass Strait.
FORTESCUE NO. 1, an exploration well was drilled by ODECO's
semi-submersible rig OCEAN ENDEAVOUR. The well spudded in
a water depth of 65.14 metres on 17 June 1978. Total depth
of 2685 metres was reached at 0100 hours on 9 July 1978.

Well location co-ordinates are:-

    Latitude: 38° 22'   27.81" S
    Longitude: 148° 14'   19.54" E

A Core Laboratories Extended Service fully intergrated computer
unit was located on board the Ocean Endeavour to monitor all
drilling parameters below 508 mm casing depth. All computer
data found within this report is stored on magnetic tape and
can be retrieved at any time at the request of the client.

The Core Laboratories wellsite crew consisted of:-

Unite Supervisor   –   Klaus Schiller
E.S. Engineer   –   Andrew Pietsch
E.S. Engineer   –   Ronald Wigham
Mud Loggers   –   Dennis Anderson
                           Peter Lane
                           Greg Holmes
                           Greg Hansen

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

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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 un-
corrected state. In Core Lab's real-time drilling pro-
grammes 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, in-
accuracies 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./

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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°F. then chemicals are added to the mud system,
the temperature of the same quantity of mud is reduced only
15°F. for the same initial flowline temperature and the same
pit volume then the specific heat has changed by a factor
of two. In this manner the correction for chemicals added
can be accounted for from bit run to bit run as long as
initial conditions are kept constant, including the same
initial suction pit temperature at the start of the bit run.
Along with this plot are temperature from Schlumberger elec-
tric 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 corres-
ponding 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 down-
hole 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.

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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.

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WELL SUMMARY

FORTESCUE NO. 1 was spudded on 17 June 1978, in a water depth of 65.14m (Kelly bushing to sea-floor being 90.14m). a 660.4mm (444.5mm bit plus hole opener) hole was drilled from the sea-floor to 240m using sea-water with returns to the sea-floor.

508mm casing was set at 220m, followed by B.O.P. and marine riser emplacement.

A 444.5mm hole was drilled from 240m to 866m. Lithology of the section 240-450m was essentially firm to semi-friable, fossiliferous calcarenite. Drilling rates ranged from in excess of 250m/hour to 40m/hour, while background gas averaged below one hot wire unit. A soft marl was the major rock-type from 450-866m, being inter-bedded with minor limestone and calcilutite. Drilling rates ranged from 80-10m/hour, while the slowest rates generally reflected the hard nature of the calcilutite. Background gas ranged from 2 units to a trace and coupled with the absence of connection gas, etc, indicated that this section was drilled in an overbalanced conditioned using 1.08 S.G. mud.

Wireline logs run at 866m included the following:

ISF - SONIC - GR   220 - 867m
FDC - GR   220 - 866.5m

340mm casing was set at 854m and drilling continued with a 311.15mm bit. At 880m a pressure integrity test produced a 1.62 S.G. mud weight equivalent without actual formation break-down. The lithology between 866-1190m comprised of moderate-very hard fossiliferous calcilitite and rare softer marl. Slower drilling rates of 40 - 14m/hour reflected this harder formation

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and background gas was 2 units or less. Drilling fluid comprised of 1.08 - 1.09 S.G. sea-water gel. All drilling variables indicated an overbalanced hole.

The interval 1190 - 1390m consisted of soft-moderately hard, silty calcareous mudstone which slowed the drill rate to 26 - 18m/hour and background gas remained low, averaging 2 units or less.

The interval 11390 - 1560m was of very soft to moderately hard marl giving drilling rates of 30 - 15m/hour with the harder marl reducing the drill rate at the base of the section. From 1560 - 1650m the marl grades to a soft to moderately hard siltstone. Background gas averaged from 1-2 units and trip gas of 6 units was recorded at 1611m, which could possibly be attributed to minor swabbing while pulling out of the hole. Drilling fluids throughout the section were in the order of 1.09 - 1.10 SG and all drilling variables pointed toward the hole being in an overbalanced condition.

At approximately 1650m there is a formation change which brings in firm to moderately hard skeletal micritic limestone with correspondingly faster drilling rates of 38 - 24m/hour. This limestone becomes interbedded with firm calcareous siltstone at 1770m which slows the drill rate to 30 - 14m/hour until 1960m. Background gas for the interval 1650 - 1960m remains at 2 units or less with a single peak of 7 units at 1850m. Drilling fluids over this section were from 1.10 - 1.13 S.G., although by 1937m the weight had been reduced to an S.G. of 1.09. Low background gas, absence of connection gas and other drilling variables indicated an overbalanced hole.

Lithology from 1960 - 2410m was of predominately interbedded marl, shale and siltstone with very minor stringers of skeletal lime-stone. Drilling rates ranged from 24 - 9m/hour (the slower rates corresponding generally to the shale sections) and again background gas was very low, with 3 units maximum and an average of below 1 unit. Mud weight was increased from 1.08 S.G. to 1.14 S.G. at 2127m, while all drilling variables throughout the section indicated an overbalanced hole. However the relatively high trip gas of 17 units at 2127m and 29 units at 2410m could be attributed to a small amount of gas swabbing due to high swab pressures generated while pulling out of the hole.

Using seismic data as a guide-line, a core barrel was run into the hole at 2410m as asked for in the well prognosis. The sub-sequent cut cores were as follows:

Core No. 1 from 2410.6 - 2425.09m
Core No. 2 from 2425.09 - 2437.3m

Full core descriptions are attached to the tail of the grapholog which can be found in the rear of this report.

The seismic data proved accurate as the first core recovered comprised the top of the prospective reservoir. Both cores were of predominately very fine to fine grained tight sandstones with minor medium to coarse grained sandstone and interbedded siltstone. All core recovered was totally devoid of hydrocarbon content and appeared to be water saturated.

Selected intervals of the core were set to one side for on-site core analysis. These are some results:

DEPTH	K	POROSITY %	So	Sw
2424.33-46m	131.0	18.12	0	80.9
2414.16-76 m	4.9	6.98	0	77.55
2425.63-78m	5.5	6.34	0	80.08
2432.29-40m	6.2	9.68	0	69.34

K = Permeability (millidarcys)

So = Oil saturation (%)

Sw = Water saturation (%)

Permeability of the sandstones were very low, with the exception of sample number one, a coarse grained sandstone with very good porosity.

Drilling rates while coring ranged from 2.5 - 6m/hour. Background gas was very low (2 units or less) when circulated to the surface. This tends to indicate that a high mud weight overbalance was being maintained while coring.

The core rat-hole was reamed to 311.15mm and drilling continued to a total depth of 2685m. Lithology over the section 2437.3-2570m was of predominantly medium to very coarse, loose sands with minor very fine to fine grained sandstones, siltstones and coal seams toward the base of the section. Drill rates were moderately lost (23 - 9m per hour), however from 2570m to total depth the rate slowed to 11 - 2m per hour, reflecting a change in lithology. This section comprised mainly of firm siltstones inter-bedded with thick coal seams, minor dolomitic sandstones and rare shale. Background gas throughout this interval was very low (less than one unit), probably indicating water wet sands/sandstones and a high overbalance using 1.13 S.G. mud.

The hole was conditioned prior to running the following Schlumberger wireline logs:

ISF - SONIC - GR - MSFL   854.0 - 2679.3 m

FDC - CNL - GR   2304.0 - 2680.0 m

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HDT               1500 - 2678.5m
VELOCITY SURVEY    875 - 2670m
90 CST's           870 - 2679m
 3 FIT's          2418.5, 2565, 2652
```

After making a wiper trip and conditioning mud an RFT tool was
run without success. FIT's were than run at the depths specified
above with only water being recovered. RW's ranged from 0.4
(@ 17°C) at 2565 to 0.6 (@14°C) at 2652m. There was no pressure
build up or fluid recovery from FIT No. 3 at 2418.5m Pressures
obtained from FIT's No. 1 and 2 varied from an equivalent mud
weight of 0.982 S.G. to 0.984 S.G. These low formation pressures
together with all other information collated for this well indicate
hat FORTESCUE NO. 1 normally pressured throughout.

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

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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.

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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 tempera-
                 ture 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 over-
                 ride, 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 den-
           sities of the hydrocarbons.
RWASW   - Calculation of porosity, fluid saturations for-
           mation 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

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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.

ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	SEA FLOOR-239M

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	OSC 3AJ	149 M	
	SIZE 444.5mm w/660.4 OPENER	JETS 3x15.88mm	HOURS RUN	CONDITION 1/1/I

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

REMARKS;

SPUD IN DATE: 06:00hrs 17/06/1978

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	239 – 867m

BIT	MAKE HTC	TYPE OSC 3A	BIT RUN 628m	TOTAL REVS 98000
	SIZE 444.5mm	JETS 3 x 15.9mm	HOURS RUN 12.7	CONDITION 2/6/I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	110m
	HW DRILL COLLARS			

CASING & LINER RISER	OD	ID	GRADE	SET AT	
	508.0mm	485.75mm 476.25mm		220m L=90m	HUNG AT.

DEPTH	500	728	860			
WOB	20	27	33			
RPM	110	147	129			
PUMP RATE	120/110	118/110	110/125			
FLOW RATE	1096	1121	1155			
PUMP PRESS	2120	2300	2500			
MW S.G.	1.07	1.08	1.08			
PV	4	6	10			
YP	7	10	14			
SAND %	tr	tr	tr			
TEMP. °C	24	32	42			
Psurface	97	104	123			
Pstring	791	989	1251			
Pbit	1235	1228	1305			
Pannulus	1	3	4			
Ptotal	2124	2324	2683			
HHP	789	803	879			
IMPACTFORCE	1988	1948	2165			
JET VEL	116	119	122			
DC/OH	35	35	36			
DP/OH	30	30	31			
DP/CSG	14	14	14			
ECD	1.13	1.12	1.12			

REMARKS;

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	867-1029m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	XDV	162m	52000
	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3 x 14.29mm	6.6	3/3/I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	146.25m
	HW DRILL COLLARS			

CASING & LINER RISER	OD	ID	GRADE	SET AT	
	339.73mm	320.42mm	54#	854m	HUNG AT.
		476.25mm		L=90m	

DEPTH	1000				
WOB	51				
RPM	132				
PUMP RATE	107/112				
FLOW RATE	1072				
PUMP PRESS	3040				
MW S.G.	1.08				
PV	8				
YP	12				
SAND %	tr				
TEMP. °C	42				
Psurface	103				
Pstring	1034				
Pbit	1727				
Pannulus	17				
Ptotal	2881				
HHP	673				
IMPACT FORCE	2312				
JET VEL	139				
DC/OH	94				
DP/OH	64				
DP/CSG	60				
ECD	1.09				

REMARKS;

339.73mm CASING SET AT 854 METRES.

FORMATION BREAK DOWN TEST AT 880 METRES TO 1.62 S.G.
MUD WEIGHT EQUIVALENT. (NO BREAK DOWN)

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	1029 – 1612m

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	583m	222000

	SIZE	JETS	HOURS RUN	CONDITION
	311.15mm	3 x 14.29mm	27.0	5/3/I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	146.25m
	HW DRILL COLLARS			

CASING & LINER RISER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm	54#	854m	HUNG AT.
		476.25mm		L=90m	

DEPTH	1150	1300	1430	1510	1600
WOB	50	53	55	53	50
RPM	135	145	142	141	142
PUMP RATE	100/120	100/107	96/102	97/105	102/112
FLOW RATE	1090	1017	972	996	1051
PUMP PRESS	3000	2950	2920	3080	2780
MW S.G.	1.08	1.09	1.09	1.10	1.10
PV	7	7	10	10	10
YP	8	8	11	11	11
SAND %	tr	tr	tr	tr	tr
TEMP. °C	36	39	41	38	43
Psurface	102	92	92	95	105
Pstring	1214	1167	1246	1281	1525
Pbit	1762	1543	1414	1502	1686
Pannulus	10	11	16	17	19
Ptotal	3088	2813	2768	2895	3335
HHP	1120	1319	788	872	1033
IMPACTFORCE	2387	1958	1884	2025	2264
JET VEL	142	124	125	130	138
DC/OH	94	88	87	86	91
DP/OH	64	61	60	59	63
DP/CSG	60	57	56	55	59
ECD	1.10	1.11	1.11	1.12	1.12

REMARKS;

ONE PUMP ONLY 1029-1080m

ONE PUMP ONLY 1090-1100m

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY ESSO AUSTRALIA	WELL FORTESCUE # 1	LOCATION GIPPSLAND BASIN	INTERVAL 1612 - 2127.5m

BIT	MAKE HTC	TYPE X3A		BIT RUN 515.5	TOTAL REVS 193000
	SIZE 311.15mm	JETS 3 x 14.29mm		HOURS RUN 22.5	CONDITION 4/6/I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	146.25m
	HW DRILL COLLARS			

CASING & LINER RISER	OD 339.75mm	ID 320.42mm 476.25mm	GRADE 54#	SET AT 854m L=90m	HUNG AT.

DEPTH	1700	1800	1902	2000	2100	
WOB	49	52	52	48	40	
RPM	139	142	148	145	140	
PUMP RATE	94/104	94/108	91/96	91/98	94/99	
FLOW RATE	975	963	918	920	931	
PUMP PRESS	2806	2812	2860	3050	2900	
MW S.G.	1.12	1.12	1.12	1.12	1.09	
PV	7	11	12	12	10	
YP	12	13	18	18	16	
SAND %	tr	tr	tr	tr	tr	
TEMP. °C	44	43	43	50	43	
Psurface	86	92	86	88	87	
Pstring	1295	1438	1403	1479	1506	
Pbit	1458	1429	1301	1329	1356	
Pannulus	22	24	35	37	35	
Ptotal	2861	2983	2825	2933	2984	
HHP	829	923	663	713	737	
IMPACT FORCE	1964	2123	1691	1769	1789	
JET VEL	128	134	118	120	122	
DC/OH	84	87	79	81	82	
DP/OH	58	60	54	55	57	
DP/CSG	54	56	51	52	53	
ECD	1.13	1.13	1.13	1.13	1.13	

REMARKS;

FLOWLINE PLUGGED AT 2050 METRES.

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

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

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	2127.5 - 2410.6

BIT	MAKE	TYPE	BIT RUN	TOTAL REVS
	HTC	X3A	283.1m	173000
	SIZE	JETS 2 x 14.29mm	HOURS RUN	CONDITION
	311.15mm	1 x 12.70mm	20.9	3/3/I

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	174.65m
	HW DRILL COLLARS			

CASING & LINER RISER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm	54#	854m	HUNG AT.
		476.25mm		L=90m	

DEPTH	2150	2220	2350	2400		
WOB	42	52	50	51		
RPM	139	142	130	130		
PUMP RATE	86/88	83/92	78/87	82/89		
FLOW RATE	853	860	801	840		
PUMP PRESS	2845	2708	2645	2870		
MW S.G.	1.14	1.14	1.14	1.14		
PV	11	11	10	10		
YP	17	17	18	18		
SAND %	tr	tr	tr	tr		
TEMP. °C	36	40	36	43		
Psurface	76	77	70	72		
Pstring	1285	1327	1273	1324		
Pbit	1308	1323	1176	1263		
Pannulus	37	37	43	45		
Ptotal	2706	2764	2562	2704		
HHP	651	660	550	619		
IMPACT FORCE	1644	1668	1465	1593		
JET VEL	119	121	111	117		
DC/OH	74	74	71	73		
DP/OH	51	51	48	50		
DP/CSG	48	48	45	47		
ECD	1.16	1.16	1.16	1.16		

REMARKS;

INCREASE MUD WEIGHT TO 1.14 S.G. AT 2130 METRES

DRILLING SUSPENDED DUE TO INDUSTRIAL DISPUTE AT
2142.5 METRES FROM 30/6/78 TO 2/7/78.

RESUME DRILLING AT 1550HRS 2/7/78.
REAM TO BOTTOM (4 STANDS)

CLE-12

BIT RUN DATA SHEET.

CORE LAB — ESP

UNIT NO. FL 176   RUN NO. 7   BIT NO. CB#1

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	2410.6-2425.09m

BIT	MAKE CHRIS	TYPE C-20	BIT RUN 14.49m	TOTAL REVS 16000
	SIZE 215.14mm	JETS	HOURS RUN 2.7	CONDITION

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	165.1mm	71.44mm	136.69m
	HW DRILL COLLARS			

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm	54#	854m	HUNG AT.
RISER		476.25mm		L=90m	

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;

CORE # 1: INTERVAL 2410.6 - 2425.09 METRES

CUT 14.49 METRES.

RECOVERED 100%

CLE-12

BIT RUN DATA SHEET.

ESP

UNIT NO. FL 176   RUN NO. 8   BIT NO. CB#2

COMPANY ESSO AUSTRALIA	WELL FORTESCUE # 1	LOCATION GIPPSLAND BASIN	INTERVAL 2425.09-2437.3m

BIT	MAKE CHRIS		TYPE C22		BIT RUN 12.21m		TOTAL REVS 31000
	SIZE 215.14mm		JETS		HOURS RUN 5.3		CONDITION

DRILL STRING & BOTTOM HOLE ASSEMBLY				OD	ID	
	DRILL PIPE			127.0mm	108.61mm	LENGTH
	HW DRILL PIPE					
	DRILL COLLARS			165.1mm	71.44mm	136.69m
	HW DRILL COLLARS					

CASING & LINER	OD	ID	GRADE	SET AT	
	339.75mm	320.42mm	54#	854m	HUNG AT.
RISER		476.25mm		L=90m	

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;

    CORE # 2: INTERVAL 2425.09 - 2437.3 METRES

        CUT 12.21 METRES

        RECOVERED 68%

CLE-12

BIT RUN DATA SHEET.

CORE LAB ESP

UNIT NO. FL 176   RUN NO. 9   BIT NO. 7

COMPANY	WELL	LOCATION	INTERVAL
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	2437.3-2685m

BIT	MAKE HTC	TYPE J22	BIT RUN 247.7m	TOTAL REVS 117000
	SIZE 311.15mm	JETS 2 x 14.29mm 1 x 12.70mm	HOURS RUN 33.8	CONDITION 4/5/1/8"

DRILL STRING & BOTTOM HOLE ASSEMBLY		OD	ID	
	DRILL PIPE	127.0mm	108.61mm	LENGTH
	HW DRILL PIPE			
	DRILL COLLARS	203.2mm	76.2mm	174.65m
	HW DRILL COLLARS			

CASING & LINER RISER	OD 339.75mm	ID 320.42mm 476.25mm	GRADE 54#	SET AT 854m L =90m	HUNG AT.

DEPTH	2444	2500	2580	2618		
WOB	55	54	55	55		
RPM	60	61	65	60		
PUMP RATE	83/90	0/125	83/85	114		
FLOW RATE	843	609	823	560		
PUMP PRESS	2670	1335	2390	1465		
MW S.G.	1.13	1.14	1.13	1.13		
PV	10	10	10	10		
YP	15	15	15	15		
SAND %	tr	tr	tr	tr		
TEMP. °C	41	40	42	42		
Psurface	72	40	69	35		
Pstring	1332	587	1022	686		
Pbit	1316	668	1199	555		
Pannulus	40	34	38	31		
Ptotal	2760	1329	2328	1307		
HHP	648	237	575	181		
IMPACT FORCE	1623	834	1512	700		
JET VEL	147	85	114	78		
DC/OH	74	40	72	49		
DP/OH	51	37	48	33		
DP/CSG	48	34	46	31		
ECD	1.15	1.15	1.15	1.14		

REMARKS;

CIRCULATE OUT DRILLING BREAK 2445-2447.8m

CIRCULATE OUT DRILLING BREAK 2455-2457.2m

ONE PUMP ONLY 2495-2505m

ONE PUMP ONLY 2618-2630m

TOTAL DEPTH OF 2685 METRES REACHED 0100HRS 9 JULY 1978

FINAL STRAPPED DEPTH 2691 METRES.

CLE-12

BIT DIRECTORY TABLE

BIT #	FIRST RECORD	LAST RECORD	FIRST DEPTH	LAST DEPTH	INTERVAL	TERM CODE
2	64	352	240.0	866.0	626.0	1
3	353	495	871.0	1029.0	159.0	1
4	496	1063	1032.0	1611.0	579.0	1
5	1064	1544	1622.0	2127.0	505.0	1
6	1545	1752	2143.0	2410.0	267.0	1
32767	1753	1771	2412.0	2425.0	13.0	1
32766	1772	1797	2426.0	2437.0	11.0	1
7	1798	2062	2438.0	2685.0	247.0	1

BIT 32767 = CORE BIT NO.1
BIT 32766= CORE BIT NO.2

COST PER FOOT 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	FORTESCUE # 1	GIPPSLAND BASIN	239 - 867 M

BIT	TYPE HTC OSC 3AJ	SIZE 444.5mm	METREAGE? 628 M	TOTAL REVS. 98000
	COST $1582	JETS 3 x 15.88mm	HOURS RUN 12.7	CONDITION 2.6.I.

RIG COST / HR $1700

TRIP TIME   1.5

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	6000	438	99	58.91					
2	12000	502	263	28.64					
3	19000	552	313	29.50					
4	28000	568	329	33.23					
5	34000	614	375	33.69					
6	43000	668	429	33.41					
7	52000	720	481	34.33					
8	60000	756	517	34.30					
9	68000	784	545	35.66					
10	77500	803	564	37.47					
11	87000	822	583	39.16					
12	97000	847	598	41.02					
12.7	104000	867	618	41.62					

CLE-3

COST PER METRE GRAPH

CORE LAB ESP

UNIT NO. 176   BIT NO.3

COMPANY	WELL	LOCATION	INTERVAL.
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	867 – 1029 M

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC XDV	311.15mm	162 M	52000

	COST	JETS	HOURS RUN	CONDITION
	$744	3 x 14.29mm	6.6	3.3.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	8000	892	25	369.76					
2	16000	922	55	198.98					
3	24000	947	80	158.05					
4	32000	973	105	136.61					
5	41000	1000	133	120.63					
6	47000	1016	149	119.09					
6.6	52000	1029	162	115.83					

COST/M   METREAGE

cost/mt.

bit./hr.

HOURS

CLE-3

COST PER METRE GRAPH

ESP
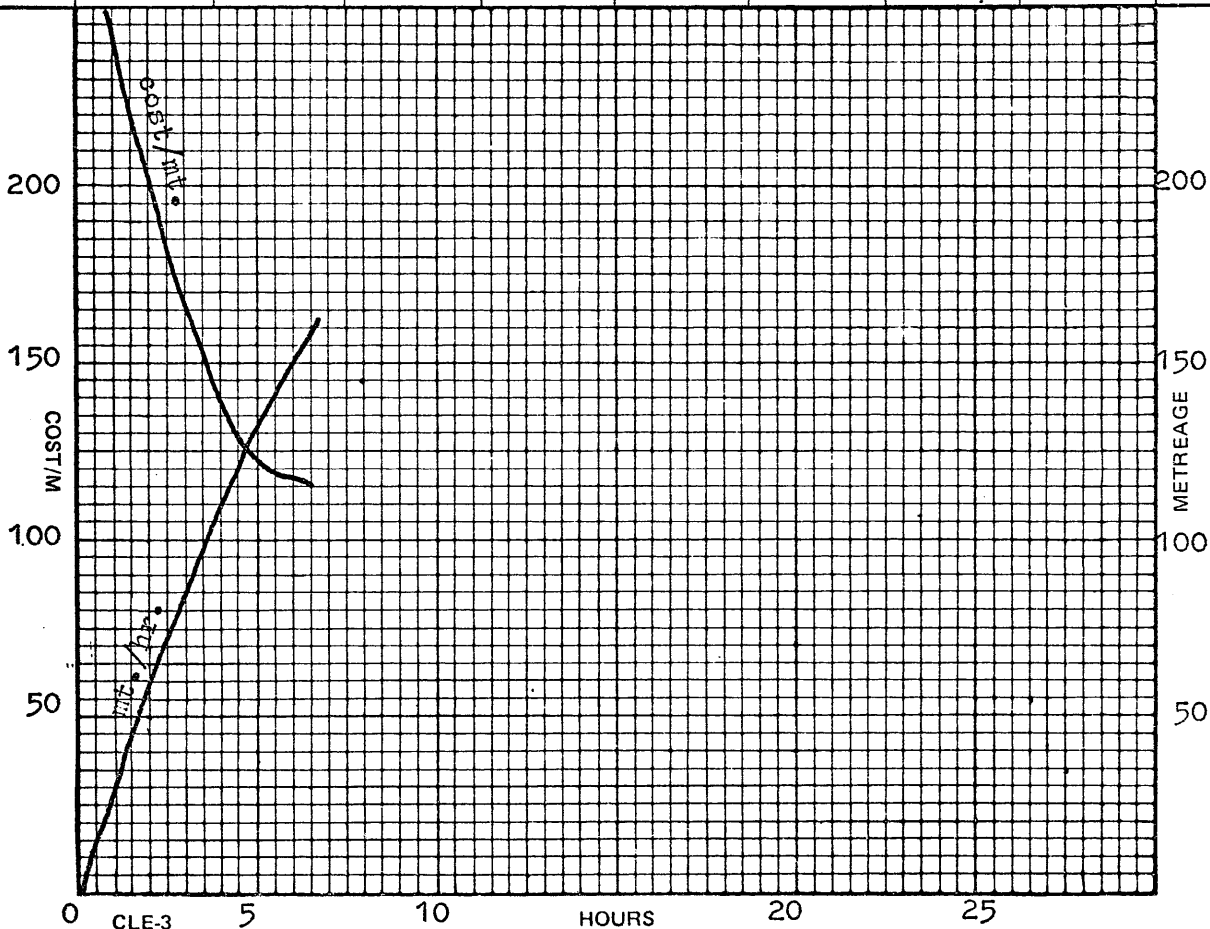
UNIT NO. FL 176   BIT NO. 4

COMPANY	WELL	LOCATION	INTERVAL.
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	1029 – 1612 M

BIT	TYPE	SIZE	METREAGE?	TOTAL REVS.
	HTC X3A	311.15mm	583 M	222000
	COST	JETS	HOURS RUN	CONDITION
	A$ 744	3 x 14.29mm	27.0	5/3/I

RIG COST/HR   A$ 1700

TRIP TIME   4.5

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	7000	1064	35	288.40	19	156000	1473	444	91.65
2	15000	1092	63	187.21	20	164000	1493	464	91.37
3	23000	1122	93	145.10	21	172000	1512	483	91.29
4	31000	1145	116	130.98	22	181000	1527	498	91.96
5	39000	1172	143	118.14	23	189000	1544	515	92.22
6	47000	1195	166	112.01	24	197000	1560	531	92.64
7	56000	1216	187	108.52	25	200000	1575	546	93.21
8	65000	1234	205	107.29	26	215000	1595	566	92.92
9	74000	1255	226	104.34	27	222000	1612	583	93.13
10	83000	1274	245	103.65					
11	92000	1295	266	101.86					
12	101000	1315	286	100.68					
13	110000	1342	312	97.74					
14	116000	1359	330	97.56					
15	122000	1383	354	95.75					
16	130000	1406	377	94.41					
17	137000	1429	400	93.24					
18	146000	1454	425	91.75					

CLE-3

COST PER METRE GRAPH

UNIT NO. FL 176   BIT NO. 5

COMPANY		WELL		LOCATION		INTERVAL.	
ESSO AUSTRALIA		FORTESCUE # 1		GIPPSLAND BASIN		1612 - 2127.5 M	
BIT	TYPE		SIZE		METREAGE?	TOTAL REVS.	
	HTC X3A		311.15mm		515.5 M	193000	
	COST		JETS		HOURS RUN	CONDITION	
	A$ 744		3 x 14.29mm		22.5	4/6/I	

RIG COST / HR   A$ 1700

TRIP TIME   6

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	9500	1650	38	332.74	19	165000	2075	466	92.80
2	19000	1680	68	210.94	20	172000	2092	480	93.63
3	25000	1708	96	167.13	21	180000	2105	493	94.61
4	34000	1738	126	140.83	22	189000	2120	508	95.17
5	43000	1773	161	120.77	22.5	193000	2127.5	515.5	95.43
6	50000	1799	187	113.07					
7	59000	1826	214	106.75					
8	67000	1856	244	100.59					
9	75000	1876	264	99.41					
10	84000	1900	288	97.03					
11	93000	1921	309	95.94					
12	102000	1940	328	95.56					
13	110000	1956	344	96.06					
14	119000	1978	366	94.93					
15	127000	1997	385	94.66					
16	135000	2020	408	93.49					
17	144000	2042	430	92.66					
18	163000	2064	452	91.91					

COST/M   cost/mt.   mt./hrs.   METREAGE

HOURS   CLE-3
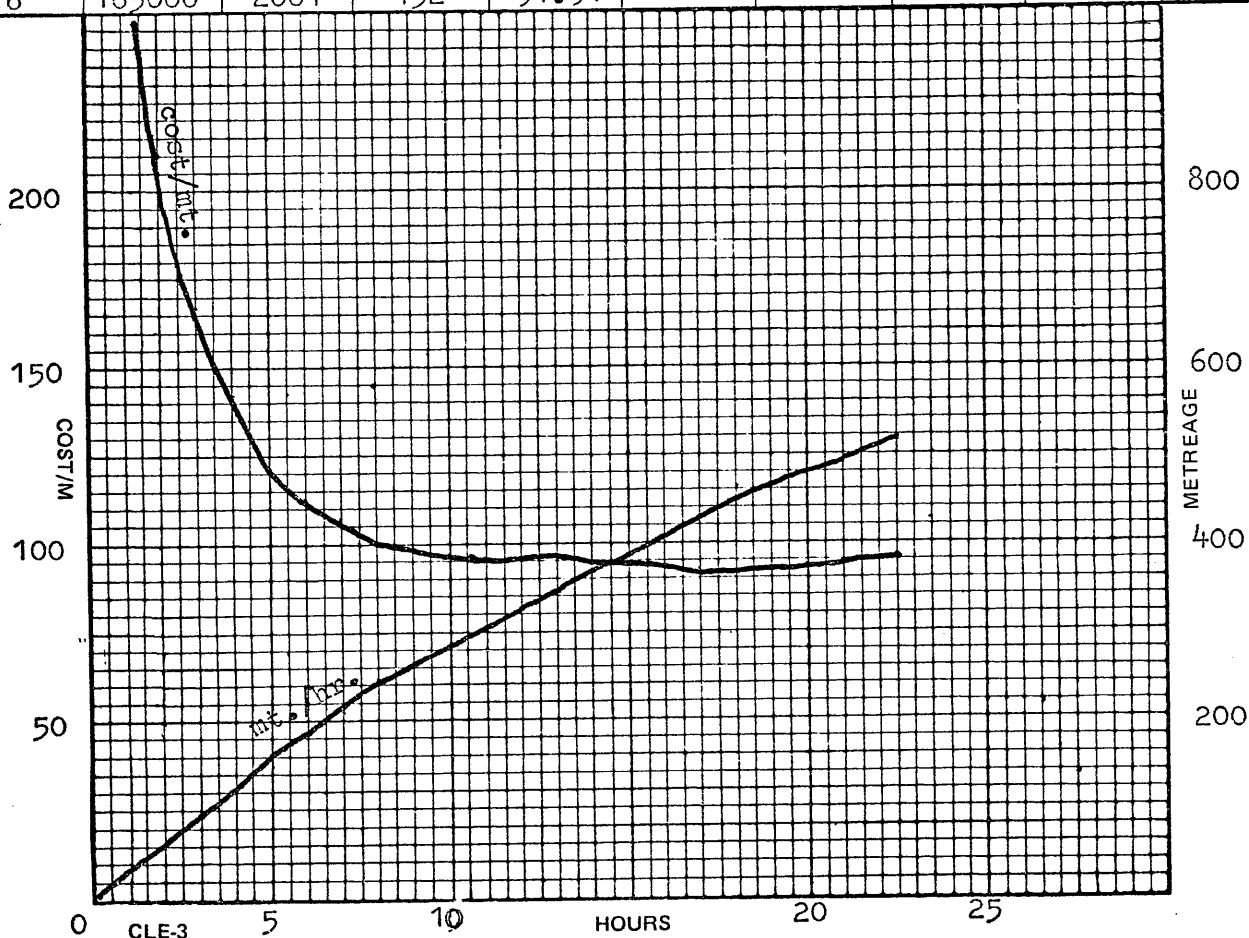
COST PER METRE GRAPH

UNIT NO. FL 176   BIT NO. 6

COMPANY		WELL		LOCATION		INTERVAL
ESSO AUSTRALIA		FORTESCUE # 1		GIPPSLAND BASIN		2127.5-2410.6M

BIT	TYPE		SIZE		METREAGE?	TOTAL REVS.
	HTC		311.15mm		283 M	173000
	COST		JETS 2 x 14.29mm		HOURS RUN	CONDITION
	A$ 744		1 x 12.70mm		20.9	3/3/I

RIG COST/HR   A$ 1700

TRIP TIME   7

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	9000	2144	17	843.76	19	161000	2406	279	161.09
2	17000	2154	27	594.22	20.9	173000	2410	283	170.23
3	24500	2156	29	611.86					
4	32000	2167	40	486.10					
5	41000	2181	54	391.56					
6	50000	2200	73	312.93					
7	58000	2218	91	269.71					
8	66000	2235	108	243.00					
9	75000	2254	127	220.03					
10	84000	2272	145	204.44					
11	92000	2291	164	191.12					
12	100000	2317	190	173.92					
13	108000	2332	205	169.48					
14	116000	2344	217	167.94					
15	124000	2356	229	166.57					
16	132000	2367	240	166.02					
17	140000	2386	259	160.40					
18	148000	2398	271	159.57					

CLE-3

COST PER METRE GRAPH

CORE LAB **ESP**
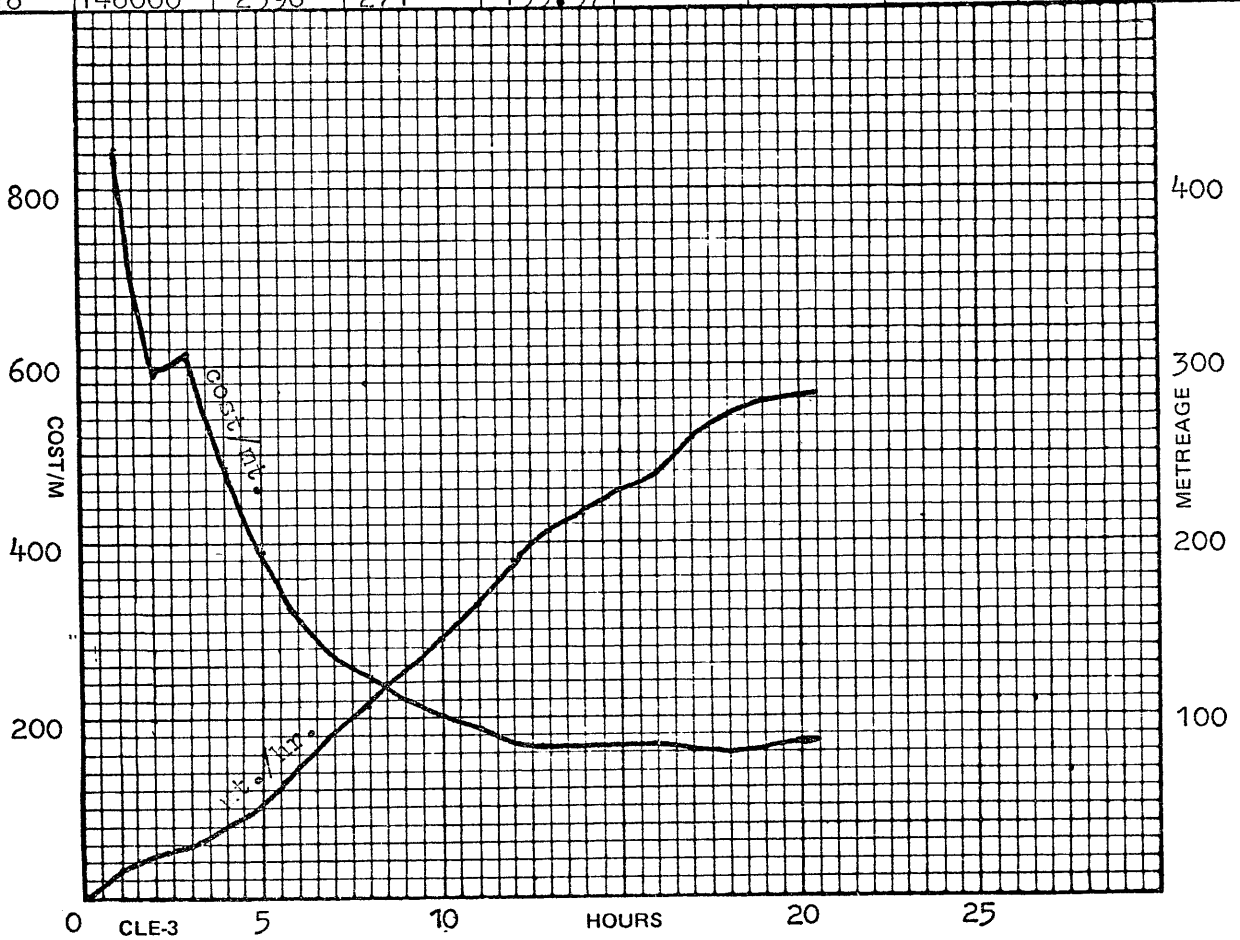
UNIT NO. FL 176   BIT NO. 7

COMPANY	WELL	LOCATION	INTERVAL.
ESSO AUSTRALIA	FORTESCUE # 1	GIPPSLAND BASIN	2437.3 – 2685m

BIT	TYPE HTC J22	SIZE 311.15mm	METREAGE? 247.7	TOTAL REVS. 117000
	COST A$3581	JETS 2 x 14.29mm 1 x 12.70mm	HOURS RUN 33.8	CONDITION 4.5.1/8

RIG COST/HR $1700

TRIP TIME   7

HRS	BIT-TURNS	DEPTH	ACC M	COST M	HRS	BIT-TURNS	DEPTH	ACC M	COST M
1	4000	2443	5	3436	19	67000	2628	190	251
2	7000	2454	16	1180	20	70000	2633	195	254
3	10000	2472	34	605	21	74000	2638	200	256
4	14000	2492	54	413	22	78000	2645	207	255
5	17000	2505	67	358	23	82000	2650	212	257
6	21000	2519	81	317	24	85000	2656	218	258
7	24000	2532	94	291	25	88000	2659	221	262
8	28000	2542	104	279	26	92000	2663	225	265
9	31000	2554	116	265	27	96000	2666	228	269
10	34000	2569	131	248	28	100000	2669	231	273
11	38000	2576	138	247	29	103000	2673	235	275
12	42000	2583	145	247	30	106000	2676	238	279
13	45000	2589	151	249	31	109000	2679	241	283
14	49000	2595	157	250	32	112000	2681	243	287
15	53000	2603	165	248	33	115000	2684	246	291
16	56000	2609	171	249	33.8	117000	2685	247	295
17	60000	2615	177	250					
18	63000	2622	184	250					

CLE-3
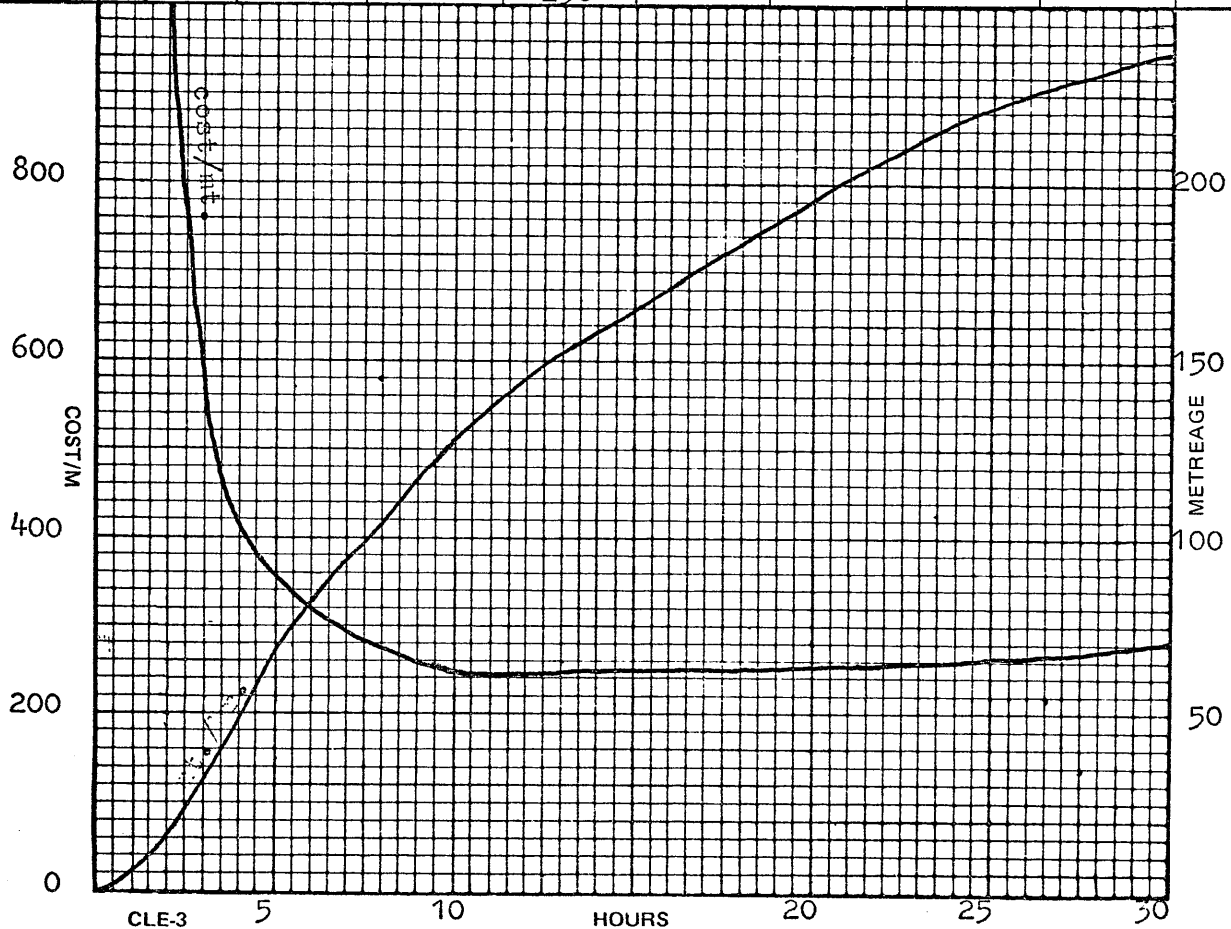
MUD DATA

<u>PARAMETER</u>

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

CORE LABORATORIES INC.

MUD INFORMATION DATA SHEET

CORE LAB **ESP**

UNIT NO. FL 176   SHEET NO. 1

COMPANY	WELL			LOCATION		
ESSO AUSTRALIA	FORTESCUE # 1			GIPPSLAND BASIN		
DEPTH	800	872	1211	1555	1710	1938	2111
DATE	22/6/78	25/6/78	26/6/78	27/6/78	28/6/78	29/6/78	30/6/78
TIME	24:00	24:00	24:00	23:00	15:00	03:00	22:15
WEIGHT	9.0	9.0	9.1	9.2	9.4	9.2	9.1
FUNNEL VISCOSITY	36	35	35	36	36	49	41
PLASTIC VISCOSITY	10	8	9	8	10	12	10
YIELD POINT	14	12	10	11	10	18	16
GEL INITIAL/10 MIN	8/17	8/14	7/14	8/14	2/10	3/10	3/9
pH	9.5	10.0	9.6	9.7	9.3	10.3	10.2
FILTRATE	16.0	17.8	17.0	15.4	15.5	6.0	6.5
CAKE	2/32	2/32	2/32	2/32	2/32	2/32	2/32
SALINITY	11000	7000	7000	5000	1500	1500	1500
SOLIDS/SAND/OIL	5/½/0	5/½/0	6/½/0	6/½/0	9/tr/0	8/tr/0	7/tr/0

REMARKS:

DEPTH	2260	2410	2413	2437	2437	2579	2601
DATE	3/7/78	4/7/78	5/7/78	6/7/78	7/7/78	7/7/78	8/7/78
TIME	04:00	24:00	24:00	24:00	05:00	21:55	04:00
WEIGHT	9.5	9.5	9.4	9.5	9.4	9.4	9.4
FUNNEL VISCOSITY	45	44.	39	47	45	36	36
PLASTIC VISCOSITY	10	10	11	10	10	10	11
YIELD POINT	18	17	17	17	15	14	15
GEL INITIAL/10 MIN	3/9	3/9	3/8	3/9	3/8	3/5	3/6
pH	10.1	10.1	10.0	10.2	10.0	10.0	10.0
FILTRATE	59	6.0	6.3	5.6	6.0	6.2	6.1
CAKE	2/32	2/32	2/32	2/32	2/32	2/32	2/32
SALINITY	1200	1200	1200	1100	1000	1000	1000
SOLIDS/SAND/OIL	8/tr/0	8/tr/0	8/tr/0	7/tr/0	7/tr/0	7/tr/0	7/tr/0

REMARKS:

CLE-2

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.

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
64											
					NEW BIT ID:	2					
240.0	0: 0	123.0	7	111	8.8	8.8	8.8	8.60	10.7	65.4	.60
244.0	0: 3	90.1	7	101	8.8	8.8	9.0	8.60	10.7	68.1	.63
256.0	0:10	87.0	7	94	8.8	8.8	9.3	8.60	10.8	75.6	.63
260.0	0:11	210.0	6	100	8.8	8.8	9.5	8.60	10.8	89.6	.42
280.0	0:21	150.5	6	108	8.8	8.8	9.4	8.60	10.9	87.9	.52
286.0	0:24	138.2	8	120	8.8	8.8	9.4	8.60	11.0	78.4	.58
290.0	0:25	202.0	10	113	8.8	8.8	9.5	8.60	11.0	76.2	.49
294.0	0:27	114.0	7	110	8.8	8.8	9.5	8.60	11.0	82.7	.56
300.0	0:30	130.5	10	102	8.8	8.9	9.5	8.60	11.1	72.9	.56
304.0	0:31	194.0	8	100	8.8	8.9	9.5	8.60	11.1	87.2	.45
84											
310.0	0:34	147.0	15	100	8.8	8.9	9.5	8.60	11.1	62.2	.58
320.0	0:38	159.0	15	95	8.8	8.9	9.5	8.60	11.2	63.5	.55
330.0	0:39	347.5	17	135	8.8	8.9	9.6	8.60	11.2	68.7	.46
332.0	0:40	189.0	16	140	8.9	8.9	9.7	8.60	11.2	63.3	.60
352.0	0:45	258.0	13	143	8.9	8.9	9.9	8.60	11.3	76.1	.49
360.0	0:46	271.0	14	140	8.9	8.9	10.0	8.60	11.4	76.7	.48
362.0	0:47	250.5	14	84	8.9	8.9	10.0	8.60	11.4	80.3	.39
364.0	0:47	265.0	14	91	8.9	8.9	10.0	8.60	11.4	81.4	.39
366.0	0:48	203.5	15	90	8.9	8.9	10.1	8.60	11.4	75.5	.46
370.0	0:49	223.6	14	94	8.9	8.9	10.1	8.60	11.4	78.4	.44
101											
372.0	0:50	141.5	16	107	8.9	8.9	10.1	8.60	11.4	68.1	.58
374.0	0:50	150.5	17	107	8.9	8.9	10.1	8.60	11.5	67.3	.57
376.0	0:51	155.5	16	107	8.9	8.9	10.1	8.60	11.5	68.5	.56
378.0	0:52	261.5	16	103	8.9	8.9	10.1	8.60	11.5	76.1	.43
380.0	0:52	175.0	18	107	8.9	8.9	10.0	8.60	11.5	67.5	.54
382.0	0:53	241.0	18	97	8.9	8.9	10.0	8.60	11.5	71.0	.45
390.0	0:55	262.3	22	112	8.9	8.9	10.1	8.60	11.5	65.7	.49
394.0	0:56	215.0	23	118	8.9	8.9	10.0	8.60	11.5	60.6	.56
396.0	0:58	56.5	26	124	8.9	8.9	9.9	8.60	11.6	39.7	.93
398.0	1: 0	74.5	27	122	8.9	8.9	9.8	8.60	11.6	40.3	.87
122											
400.0	1: 0	153.0	25	147	8.9	8.9	9.7	8.60	11.6	46.7	.74
402.0	1: 1	204.5	25	159	8.9	8.9	9.7	8.60	11.6	50.6	.67
406.0	1: 2	223.3	24	160	8.9	8.9	9.8	8.60	11.6	53.5	.64
408.0	1: 2	249.0	27	150	8.9	8.9	9.8	8.60	11.6	52.8	.62
410.0	1: 3	269.0	30	173	8.9	8.9	9.9	8.60	11.6	51.9	.64
412.0	1: 3	281.0	28	160	8.9	8.9	9.8	8.60	11.6	53.9	.61
414.0	1: 4	257.5	27	158	8.9	8.9	9.4	8.60	11.6	47.5	.64
416.0	1: 4	184.5	27	162	8.9	8.9	9.5	8.60	11.6	43.9	.73
420.0	1: 6	158.4	21	133	8.9	8.9	9.6	8.60	11.7	52.9	.67
422.0	1: 7	127.7	25	106	8.9	8.9	9.6	8.60	11.7	47.3	.69
142											
424.0	1: 8	101.0	25	106	8.9	8.9	9.9	8.60	11.7	48.5	.74
426.0	1:11	54.0	25	106	8.9	8.9	9.7	8.60	11.7	38.0	.91
428.0	1:12	78.0	23	107	8.9	8.9	9.8	8.60	11.7	45.2	.80
430.0	1:14	84.0	20	120	8.9	8.9	9.7	8.60	11.7	46.9	.79
432.0	1:15	115.7	20	120	8.9	8.9	9.6	8.60	11.7	49.4	.72
434.0	1:16	83.9	27	116	8.9	8.9	9.5	8.60	11.7	37.8	.85
436.0	1:19	45.6	15	120	8.9	8.9	9.4	8.60	11.7	41.9	.91

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
149											
438.0	1:23	27.0	20	120	8.9	8.9	9.2	8.60	11.7	26.4	1.11
440.0	1:26	38.0	23	118	8.9	8.9	9.2	8.60	11.8	26.8	1.06
442.0	1:28	60.0	24	116	8.9	8.9	9.2	8.60	11.8	31.1	.95
444.0	1:30	54.0	20	116	8.9	8.9	9.1	8.60	11.8	33.8	.94
446.0	1:32	68.0	25	116	8.9	8.9	9.2	8.60	11.8	31.4	.93
448.0	1:34	51.6	21	112	8.9	8.9	9.2	8.60	11.8	32.9	.95
450.0	1:36	67.0	23	123	8.9	8.9	9.2	8.60	11.8	33.4	.92
452.0	1:38	69.0	25	124	8.9	8.9	9.2	8.60	11.8	32.1	.93
454.0	1:40	75.0	25	124	8.9	8.9	9.2	8.60	11.8	33.3	.91
456.0	1:42	61.0	25	124	8.9	8.9	9.3	8.60	11.8	31.2	.96
159											
458.0	1:45	39.0	23	101	8.9	9.0	9.2	8.60	11.8	29.4	1.01
460.0	1:49	29.0	25	123	8.9	9.0	9.2	8.60	11.8	21.5	1.17
462.0	1:50	67.0	18	120	8.9	9.0	9.2	8.60	11.8	39.5	.87
464.0	1:53	53.0	20	120	8.9	9.0	9.2	8.60	11.9	34.0	.95
466.0	1:54	96.0	20	120	8.9	9.0	9.2	8.60	11.9	41.2	.79
468.0	1:56	60.0	20	120	8.9	9.0	9.2	8.60	11.9	35.6	.92
472.0	2: 0	61.0	22	120	8.9	9.0	9.2	8.60	11.9	33.9	.93
474.0	2: 2	65.6	15	118	8.9	9.0	9.2	8.60	11.9	44.7	.83
478.0	2: 5	66.0	16	110	8.9	9.0	9.3	8.60	11.9	44.1	.82
480.0	2: 7	67.0	23	117	8.9	9.0	9.3	8.60	11.9	35.1	.90
169											
482.0	2: 9	64.0	23	119	9.0	9.1	9.3	8.60	11.9	34.6	.92
484.0	2:11	76.0	17	117	9.0	9.1	9.3	8.60	11.9	44.1	.81
486.0	2:12	79.0	18	117	9.0	9.1	9.3	8.60	11.9	43.5	.81
488.0	2:14	62.0	19	117	9.0	9.1	9.3	8.60	11.9	39.5	.88
490.0	2:16	75.6	15	123	9.0	9.1	9.3	8.60	12.0	47.4	.80
492.0	2:17	90.0	16	125	9.0	9.1	9.3	8.60	12.0	48.0	.77
494.0	2:18	75.0	14	126	9.0	9.1	9.4	8.60	12.0	49.4	.79
496.0	2:20	99.0	18	108	9.0	9.1	9.4	8.60	12.0	48.1	.73
498.0	2:21	92.0	18	108	9.0	9.1	9.4	8.60	12.0	47.5	.74
500.0	2:22	82.0	17	106	9.0	9.1	9.4	8.60	12.0	48.0	.76
179											
502.0	2:24	68.0	20	103	9.0	9.1	9.4	8.60	12.0	42.3	.82
504.0	2:25	99.0	27	100	9.0	9.1	9.4	8.60	12.0	40.2	.78
506.0	2:26	119.0	21	156	9.0	9.1	9.5	8.60	12.0	44.5	.79
508.0	2:28	70.0	14	166	9.0	9.1	9.5	8.60	12.0	47.7	.86
510.0	2:30	64.0	12	164	9.0	9.1	9.5	8.60	12.0	50.8	.85
512.0	2:31	83.0	10	168	9.0	9.1	9.5	8.60	12.0	58.8	.77
514.0	2:33	62.0	10	168	9.0	9.1	9.4	8.60	12.0	55.2	.83
516.0	2:35	61.0	22	109	9.0	9.1	9.4	8.60	12.1	38.4	.88
518.0	2:37	65.0	21	109	9.0	9.1	9.4	8.60	12.1	40.0	.86
520.0	2:39	71.0	22	113	9.0	9.1	9.4	8.60	12.1	39.5	.86
189											
522.0	2:41	69.0	17	117	9.0	9.1	9.4	8.60	12.1	44.9	.82
524.0	2:44	33.0	18	109	9.0	9.1	9.3	8.60	12.1	34.7	1.00
526.0	2:46	74.0	16	118	9.0	9.1	9.3	8.60	12.1	46.3	.80
528.0	2:47	77.0	18	118	9.0	9.1	9.3	8.60	12.1	43.9	.81
530.0	2:49	83.0	20	117	9.0	9.1	9.3	8.60	12.1	42.4	.81
532.0	2:51	56.0	18	117	9.0	9.1	9.3	8.60	12.1	40.3	.89
534.0	2:53	58.0	21	102	9.0	9.1	9.3	8.60	12.1	38.2	.88
536.0	2:55	63.0	26	107	9.0	9.1	9.3	8.60	12.1	33.8	.92
538.0	2:58	45.0	28	107	9.0	9.1	9.3	8.60	12.1	28.0	1.03
540.0	3: 1	37.0	25	109	9.0	9.1	9.3	8.60	12.1	28.3	1.05
199											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
199											
542.0	3: 1	42.0	25	109	9.0	9.1	9.3	8.60	12.2	30.1	1.02
544.0	3: 4	43.0	27	98	9.0	9.1	9.3	8.60	12.2	29.3	1.00
546.0	3: 8	32.0	25	107	9.0	9.1	9.3	8.60	12.2	26.3	1.09
548.0	3:13	24.0	26	114	9.0	9.1	9.2	8.60	12.2	21.1	1.20
550.0	3:16	41.0	24	119	9.0	9.1	9.2	8.60	12.2	28.7	1.05
552.0	3:20	31.0	23	121	9.0	9.1	9.2	8.60	12.2	25.9	1.12
554.0	3:33	9.0	15	103	9.0	9.1	9.1	8.60	12.2	22.0	1.29
556.0	3:46	9.0	15	129	9.0	9.1	9.1	8.60	12.2	19.7	1.34
558.0	3:57	11.0	15	122	9.0	9.1	9.1	8.60	12.2	22.5	1.28
560.0	4: 3	20.0	20	121	9.0	8.9	9.1	8.60	12.2	22.9	1.21
209											
562.0	4: 7	27.0	24	121	9.0	8.9	9.1	8.60	12.2	22.3	1.18
564.0	4:11	40.0	25	133	9.0	8.9	9.1	8.60	12.2	25.5	1.11
566.0	4:12	70.0	25	129	9.0	8.9	9.2	8.60	12.2	32.6	.95
568.0	4:15	44.0	24	131	9.0	8.9	9.2	8.60	12.2	28.4	1.06
570.0	4:18	41.0	21	124	9.0	8.9	9.2	8.60	12.3	31.4	1.03
572.0	4:19	72.0	26	139	9.0	8.9	9.2	8.60	12.3	32.4	.96
574.0	4:21	87.0	30	135	9.0	8.9	9.3	8.60	12.3	32.0	.93
576.0	4:23	70.0	30	135	9.0	8.9	9.3	8.60	12.3	29.8	.99
578.0	4:24	67.0	30	137	9.0	8.9	9.3	8.60	12.3	29.5	1.00
580.0	4:26	65.0	23	130	9.0	8.9	9.3	8.60	12.3	35.9	.93
219											
582.0	4:28	75.0	23	136	9.0	8.9	9.4	8.60	12.3	37.3	.90
584.0	4:30	54.0	24	138	9.0	8.9	9.4	8.60	12.3	32.5	1.00
586.0	4:32	62.0	22	142	9.0	8.9	9.4	8.60	12.3	35.8	.95
588.0	4:34	48.0	18	144	9.0	8.9	9.4	8.60	12.3	37.5	.98
590.0	4:39	29.0	20	132	9.0	8.9	9.3	8.60	12.3	29.7	1.11
592.0	4:44	24.0	27	140	9.0	8.9	9.3	8.60	12.3	19.5	1.27
594.0	4:48	26.0	30	137	9.0	8.9	9.2	8.60	12.3	17.7	1.28
596.0	4:51	44.8	20	141	9.0	8.9	9.2	8.60	12.3	32.7	1.03
598.0	4:53	48.0	28	137	9.0	8.9	9.2	8.60	12.4	26.1	1.09
600.0	4:57	31.0	15	113	9.0	8.9	9.2	8.60	12.4	37.3	1.00
229											
602.0	5: 0	39.0	15	113	9.0	8.9	9.2	8.60	12.4	39.9	.94
604.0	5: 3	40.0	23	115	9.0	8.9	9.2	8.60	12.4	30.3	1.04
606.0	5: 5	54.0	30	113	9.0	8.9	9.2	8.60	12.4	28.1	1.02
610.0	5:10	51.0	23	119	9.0	8.9	9.3	8.60	12.4	33.2	.98
612.0	5:14	35.0	26	133	9.0	9.0	9.2	8.60	12.4	25.3	1.14
614.0	5:16	43.0	24	133	9.0	9.0	9.2	8.60	12.4	29.4	1.06
616.0	5:18	58.0	23	131	9.0	9.0	9.3	8.60	12.4	34.1	.97
618.0	5:21	49.0	18	133	9.0	9.0	9.3	8.60	12.4	37.8	.96
620.0	5:24	42.0	17	133	9.0	9.0	9.3	8.60	12.4	37.4	.98
622.0	5:26	48.0	17	122	9.0	9.0	9.3	8.60	12.4	39.6	.93
239											
624.0	5:30	35.0	16	147	9.0	9.0	9.3	8.60	12.4	35.9	1.04
626.0	5:32	52.0	18	149	9.0	9.0	9.3	8.60	12.4	37.6	.97
628.0	5:34	51.0	21	147	9.0	9.0	9.3	8.60	12.5	34.0	1.01
630.0	5:37	48.0	17	148	9.0	9.0	9.3	8.60	12.5	38.3	.98
634.0	5:46	26.0	25	156	9.0	9.0	9.2	8.60	12.5	21.7	1.25
638.0	5:50	59.0	15	146	9.0	9.0	9.2	8.60	12.5	43.3	.90
640.0	5:52	64.0	16	145	9.0	9.0	9.3	8.60	12.5	42.8	.89
642.0	5:55	42.0	16	145	9.0	9.0	9.2	8.60	12.5	38.0	1.00
644.0	5:57	48.0	17	147	9.0	9.0	9.2	8.60	12.5	37.9	.98
646.0	6: 0	43.0	20	148	9.0	9.0	9.2	8.60	12.5	33.0	1.05
249											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
249											
648.0	6: 3	40.0	20	143	9.0	9.0	9.3	8.60	12.5	32.6	1.05
650.0	6: 5	60.0	20	151	9.0	9.0	9.3	8.60	12.5	37.0	.96
652.0	6: 7	52.0	20	139	9.0	9.0	9.3	8.60	12.5	36.2	.98
654.0	6:11	36.0	26	138	9.0	9.0	9.3	8.60	12.5	26.1	1.14
656.0	6:14	39.0	26	119	9.0	9.0	9.3	8.60	12.5	28.0	1.08
658.0	6:17	35.0	22	154	9.0	9.0	9.3	8.60	12.5	28.5	1.13
660.0	6:19	59.0	30	151	9.0	9.0	9.3	8.60	12.6	27.8	1.07
662.0	6:21	56.0	30	152	9.0	9.0	9.3	8.60	12.6	27.3	1.09
664.0	6:23	55.0	25	152	9.0	9.0	9.3	8.60	12.6	31.2	1.04
666.0	6:26	59.0	30	134	9.0	9.0	9.3	8.60	12.6	29.0	1.04
259											
668.0	6:28	54.0	25	134	9.0	9.0	9.3	8.60	12.6	32.0	1.01
670.0	6:30	54.0	25	134	9.0	9.0	9.3	8.60	12.6	32.0	1.01
672.0	6:32	59.0	26	140	9.0	9.2	9.3	8.60	12.6	32.0	1.01
674.0	6:34	51.0	25	143	9.0	9.2	9.3	8.60	12.6	31.2	1.04
676.0	6:36	83.0	20	131	9.0	9.2	9.3	8.60	12.6	42.4	.84
680.0	6:40	56.0	23	151	9.0	9.2	9.3	8.60	12.6	34.1	1.01
682.0	6:42	66.0	27	150	9.0	9.2	9.3	8.60	12.6	32.5	1.00
684.0	6:45	44.0	20	154	9.0	9.2	9.3	8.60	12.6	34.3	1.04
686.0	6:48	37.0	26	132	9.0	9.2	9.3	8.60	12.6	27.7	1.11
688.0	6:51	40.0	24	147	9.0	9.2	9.3	8.60	12.6	29.4	1.10
269											
690.0	6:54	42.0	26	147	9.0	9.2	9.3	8.60	12.7	28.1	1.11
692.0	6:56	47.0	27	146	9.0	9.2	9.3	8.60	12.7	28.5	1.09
696.0	7: 1	52.0	25	140	9.0	9.2	9.3	8.60	12.7	31.4	1.04
700.0	7: 6	45.0	23	150	9.0	9.2	9.3	8.60	12.7	31.0	1.07
702.0	7: 9	42.0	22	151	9.0	9.2	9.3	8.60	12.7	31.2	1.08
704.0	7:12	43.0	19	142	9.0	9.2	9.3	8.60	12.7	35.2	1.02
706.0	7:14	48.0	36	148	9.0	9.2	9.3	8.60	12.7	22.4	1.18
708.0	7:17	48.0	23	148	9.0	9.2	9.3	8.60	12.7	31.9	1.05
710.0	7:19	48.0	23	148	9.0	9.2	9.3	8.60	12.7	32.0	1.05
712.0	7:22	47.0	25	149	9.0	9.2	9.3	8.60	12.7	29.9	1.08
279											
714.0	7:24	45.0	26	139	9.0	9.2	9.3	8.60	12.7	29.1	1.08
716.0	7:26	77.0	23	156	9.0	9.2	9.3	8.60	12.7	37.0	.94
720.0	7:31	51.0	27	155	9.0	9.2	9.3	8.60	12.7	29.2	1.09
722.0	7:33	45.0	26	155	9.0	9.2	9.3	8.60	12.7	28.7	1.11
724.0	7:36	46.0	30	129	9.0	9.2	9.3	8.60	12.8	27.3	1.09
726.0	7:39	37.0	26	146	9.0	9.2	9.3	8.60	12.8	27.0	1.15
728.0	7:42	36.0	28	144	9.0	9.2	9.3	8.60	12.8	25.2	1.17
730.0	7:46	33.0	30	134	9.0	9.2	9.3	8.60	12.8	23.3	1.20
732.0	7:51	26.0	30	144	9.0	9.2	9.2	8.60	12.8	19.8	1.29
734.0	7:56	23.0	28	150	9.0	9.2	9.2	8.60	12.8	19.4	1.32
289											
736.0	7:58	48.0	18	154	9.0	9.2	9.2	8.60	12.8	36.9	1.01
738.0	8: 2	32.0	26	150	9.0	9.2	9.2	8.60	12.8	24.6	1.20
740.0	8: 5	40.0	29	148	9.0	9.2	9.2	8.60	12.8	24.8	1.17
742.0	8: 7	80.0	30	140	9.0	9.2	9.2	8.60	12.8	32.3	.97
744.0	8: 9	42.0	20	148	9.0	9.2	9.2	8.60	12.8	33.5	1.06
746.0	8:12	50.0	22	152	9.0	9.2	9.2	8.60	12.8	33.3	1.04
750.0	8:15	78.0	24	151	9.0	9.2	9.3	8.60	12.8	36.7	.94
752.0	8:19	31.0	28	140	9.0	9.2	9.3	8.60	12.8	24.0	1.21
754.0	8:22	38.0	20	148	9.0	9.2	9.3	8.60	12.8	33.0	1.08
756.0	8:25	38.0	20	150	9.0	9.2	9.3	8.60	12.8	32.9	1.08
299											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	299										
758.0	8:29	28.0	24	150	9.0	9.2	9.3	8.60	12.9	25.6	1.21
760.0	8:34	27.0	28	148	9.0	9.2	9.2	8.60	12.9	21.9	1.27
762.0	8:38	27.0	26	141	9.0	9.2	9.2	8.60	12.9	23.6	1.23
764.0	8:41	38.0	26	148	9.0	9.2	9.2	8.60	12.9	26.9	1.15
768.0	8:48	38.0	27	148	9.0	9.2	9.2	8.60	12.9	26.1	1.17
770.0	8:52	30.0	29	149	9.0	9.2	9.2	8.60	12.9	22.0	1.25
772.0	8:57	24.0	27	123	9.0	9.2	9.2	8.60	12.9	22.6	1.24
774.0	9: 1	26.0	26	148	9.0	9.2	9.2	8.60	12.9	23.0	1.26
776.0	9: 6	25.0	27	150	9.0	9.2	9.2	8.60	12.9	21.7	1.28
778.0	9:13	17.0	25	146	9.0	9.2	9.2	8.60	12.9	19.1	1.36
	309										
780.0	9:18	26.0	30	142	9.0	9.2	9.2	8.60	12.9	20.1	1.30
782.0	9:22	31.0	30	147	9.0	9.2	9.2	8.60	12.9	21.8	1.26
784.0	9:27	22.0	30	149	9.0	9.2	9.2	8.60	12.9	17.9	1.36
786.0	9:31	32.0	29	149	9.0	9.2	9.2	8.60	12.9	22.7	1.24
788.0	9:35	28.0	31	149	9.0	9.2	9.2	8.60	12.9	19.9	1.30
790.0	9:43	16.0	10	145	9.0	9.3	9.1	8.60	12.9	39.7	1.12
792.0	9:50	16.0	11	136	9.0	9.3	9.1	8.60	13.0	37.7	1.13
794.0	9:57	18.0	17	144	9.0	9.3	9.1	8.60	13.0	28.3	1.23
796.0	10: 3	19.0	18	151	9.0	9.3	9.1	8.60	13.0	27.3	1.25
798.0	10: 8	22.0	14	151	9.0	9.3	9.1	8.60	13.0	34.5	1.14
	319										
800.0	10:13	25.0	14	143	9.0	9.3	9.1	8.60	13.0	36.4	1.10
802.0	10:20	18.0	22	140	9.1	9.3	9.1	8.60	13.0	23.3	1.29
804.0	10:26	19.0	29	140	9.1	9.3	9.2	8.60	13.0	18.4	1.37
806.0	10:36	12.0	17	144	9.1	9.3	9.2	8.60	13.0	25.0	1.32
808.0	10:42	20.0	24	141	9.1	9.3	9.2	8.60	13.0	23.3	1.29
810.0	10:48	22.0	25	140	9.1	9.3	9.2	8.60	13.0	23.6	1.27
812.0	10:54	18.0	17	155	9.1	9.3	9.2	8.60	13.0	29.0	1.24
814.0	11: 0	23.0	30	151	9.1	9.3	9.2	8.60	13.0	19.8	1.34
816.0	11: 5	21.0	27	152	9.1	9.3	9.2	8.60	13.0	21.0	1.33
818.0	11:15	13.0	28	156	9.1	9.3	9.2	8.60	13.0	14.9	1.48
	329										
820.0	11:23	14.0	24	142	9.1	9.3	9.2	8.60	13.0	19.6	1.38
822.0	11:28	25.0	30	134	9.1	9.3	9.2	8.60	13.0	21.7	1.28
824.0	11:32	31.0	32	136	9.1	9.3	9.2	8.60	13.0	22.7	1.25
826.0	11:35	39.0	36	135	9.1	9.3	9.2	8.60	13.0	22.9	1.22
828.0	11:39	31.0	35	139	9.1	9.3	9.2	8.60	13.0	20.9	1.28
830.0	11:43	27.0	30	142	9.1	9.3	9.3	8.60	13.1	22.6	1.27
832.0	11:48	27.0	25	146	9.1	9.3	9.3	8.60	13.1	26.2	1.22
834.0	11:53	23.0	32	145	9.1	9.3	9.3	8.60	13.1	19.7	1.34
836.0	11:59	21.0	29	147	9.1	9.3	9.3	8.60	13.1	20.6	1.34
838.0	12: 4	24.0	32	138	9.1	9.3	9.3	8.60	13.1	20.4	1.32
	339										
840.0	12: 9	23.0	29	127	9.1	9.3	9.3	8.60	13.1	22.5	1.27
842.0	12:14	22.0	22	133	9.1	9.3	9.2	8.60	13.1	27.3	1.22
844.0	12:18	28.0	27	130	9.1	9.3	9.2	8.60	13.1	25.7	1.21
846.0	12:22	30.0	28	132	9.1	9.3	9.2	8.60	13.1	25.7	1.20
848.0	12:25	46.0	24	112	9.1	9.3	9.3	8.60	13.1	34.8	1.00
850.0	12:27	53.0	27	122	9.1	9.3	9.3	8.60	13.1	33.4	1.01
852.0	12:30	53.0	27	122	9.1	9.3	9.3	8.60	13.1	33.5	1.01
854.0	12:32	47.0	18	126	9.1	9.3	9.3	8.60	13.1	40.6	.95
856.0	12:36	32.0	28	128	9.1	9.3	9.3	8.60	13.1	27.2	1.17
858.0	12:39	36.0	30	123	9.1	9.3	9.3	8.60	13.1	27.5	1.15
	349										

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
349											
860.0	12:44	24.0	29	129	9.1	9.3	9.3	8.60	13.1	23.6	1.26
862.0	12:49	27.0	30	127	9.1	9.3	9.3	8.60	13.1	24.4	1.23
864.0	12:54	23.0	33	129	9.1	9.3	9.3	8.60	13.1	20.6	1.32
866.0	12:59	24.0	34	128	9.1	9.3	9.3	8.60	13.2	20.3	1.32

NEW BIT ID　　3

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
872.0	21:20	8.2	26	76	8.9	9.0	9.0	8.60	13.2	8.4	1.56
874.0	21:32	10.0	26	85	8.9	9.0	9.0	8.60	13.2	9.8	1.54
882.0	0:41	12.8	33	110	8.9	9.0	9.0	8.60	13.2	6.7	1.65
884.0	0:47	20.8	40	113	8.9	9.0	9.0	8.60	13.2	7.5	1.59
886.0	0:52	28.9	38	113	8.9	9.0	9.1	8.60	13.2	11.8	1.46
888.0	0:55	38.1	37	113	8.9	9.0	9.1	8.60	13.2	15.5	1.35
369											
890.0	1:14	26.4	35	105	8.9	9.0	9.0	8.60	13.2	13.3	1.43
892.0	1:18	30.5	39	102	8.9	9.0	9.0	8.60	13.2	12.9	1.42
894.0	1:24	22.7	40	104	8.9	9.0	9.1	8.60	13.2	9.6	1.53
896.0	1:30	20.1	38	106	8.9	9.0	9.1	8.60	13.2	9.4	1.55
898.0	1:46	23.0	33	106	8.9	9.0	9.1	8.60	13.2	13.4	1.45
900.0	1:49	31.7	33	126	8.9	9.0	9.0	8.60	13.2	16.6	1.39
902.0	1:53	32.6	42	145	8.9	9.0	9.1	8.60	13.2	9.8	1.55
904.0	1:56	46.3	48	143	8.9	9.0	9.1	8.60	13.2	11.5	1.47
906.0	1:58	47.3	47	143	8.9	9.0	9.1	8.60	13.3	12.5	1.44
918.0	2:46	33.9	47	130	8.9	9.0	9.1	8.60	13.3	9.4	1.54
390											
920.0	2:50	31.4	45	133	8.9	9.0	9.1	8.60	13.3	9.6	1.55
922.0	2:54	29.2	40	131	8.9	9.0	9.1	8.60	13.3	10.9	1.53
924.0	3: 2	16.8	40	135	8.9	9.0	9.1	8.60	13.3	4.6	1.74
926.0	3: 8	20.8	40	134	8.9	9.0	9.1	8.60	13.3	7.4	1.65
928.0	3:20	24.1	40	130	8.9	9.0	9.1	8.60	13.3	9.2	1.59
930.0	3:25	25.8	37	134	8.9	9.0	9.0	8.60	13.3	11.3	1.54
932.0	3:29	25.6	38	137	8.9	9.0	9.0	8.60	13.3	10.6	1.56
934.0	3:34	23.9	43	139	8.9	9.0	9.0	8.60	13.3	7.4	1.65
936.0	3:39	26.2	51	138	8.9	9.0	9.0	8.60	13.3	4.7	1.72
938.0	3:50	27.0	58	136	8.9	9.0	9.1	8.60	13.3	3.8	1.77
410											
940.0	3:54	29.7	51	141	8.9	9.0	9.1	8.60	13.3	6.3	1.67
942.0	3:59	27.4	52	142	8.9	9.0	9.1	8.60	13.3	5.2	1.71
944.0	4: 3	25.1	54	137	8.9	9.0	9.1	8.60	13.3	4.3	1.74
946.0	4: 8	26.0	56	140	8.9	9.0	9.1	8.60	13.4	4.0	1.76
948.0	4:25	14.8	43	127	8.9	9.0	9.0	8.60	13.4	3.0	1.79
950.0	4:33	16.2	37	128	8.9	9.0	9.0	8.60	13.4	5.9	1.67
952.0	4:40	16.2	39	128	8.9	9.0	9.0	8.60	13.4	5.0	1.70
954.0	4:47	17.6	45	128	8.9	9.0	9.1	8.60	13.4	4.4	1.74
956.0	5: 3	20.8	52	127	8.9	9.0	9.1	8.60	13.4	3.7	1.77
958.0	5: 8	24.3	55	141	8.9	9.0	9.0	8.60	13.4	3.4	1.79
430											
960.0	5:12	27.8	56	145	8.9	9.0	9.1	8.60	13.4	4.8	1.75
962.0	5:17	26.1	54	145	8.9	9.0	9.1	8.60	13.4	4.6	1.76
964.0	5:21	28.1	53	146	8.9	9.0	9.1	8.60	13.4	5.9	1.71
970.0	5:45	27.1	52	137	8.9	9.0	9.1	8.60	13.4	6.3	1.70
972.0	5:51	26.8	51	137	8.9	9.0	9.1	8.60	13.4	6.2	1.70
974.0	5:56	25.0	53	137	8.9	9.0	9.1	8.60	13.4	5.2	1.74
976.0	6:11	24.2	53	134	8.9	9.0	9.0	8.60	13.4	4.8	1.75
978.0	6:16	23.2	54	132	8.9	9.0	9.1	8.60	13.4	4.4	1.77
980.0	6:21	25.4	54	132	8.9	9.0	9.1	8.60	13.4	5.5	1.73
982.0	6:26	24.7	54	133	8.9	9.0	9.1	8.60	13.4	5.2	1.74
451											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
451											
984.0	6:49	20.2	54	131	8.9	9.0	9.1	8.60	13.4	2.7	1.82
986.0	6:54	22.8	53	126	8.9	9.0	9.0	8.60	13.4	4.8	1.75
988.0	7: 0	19.9	52	143	8.9	9.0	9.1	8.60	13.5	3.3	1.83
990.0	7: 4	31.3	56	143	8.9	9.0	9.1	8.60	13.5	7.0	1.70
992.0	7: 8	26.8	57	143	8.9	9.0	9.1	8.60	13.5	5.1	1.77
994.0	7:21	25.9	58	140	8.9	9.0	9.1	8.60	13.5	4.7	1.79
996.0	7:25	29.1	59	132	8.9	9.0	9.1	8.60	13.5	6.2	1.73
998.0	7:30	21.2	51	133	8.9	9.0	9.1	8.60	13.5	4.9	1.77
1000.0	7:35	26.9	51	132	8.9	9.0	9.1	8.60	13.5	7.6	1.67
1002.0	7:40	23.8	54	133	8.9	9.0	9.1	8.60	13.5	5.5	1.75
471											
1004.0	7:55	19.4	47	131	8.9	9.0	9.0	8.60	13.5	5.7	1.76
1006.0	8: 1	19.3	55	135	8.9	9.0	9.0	8.60	13.5	2.6	1.87
1008.0	8: 7	18.7	52	136	8.9	9.0	9.0	8.60	13.5	3.3	1.84
1010.0	8:13	19.5	51	136	8.9	9.0	9.0	8.60	13.5	4.2	1.81
1012.0	8:19	20.5	51	135	8.9	9.0	9.0	8.60	13.5	4.8	1.79
1014.0	8:36	18.9	50	132	8.9	9.0	9.0	8.60	13.5	4.4	1.81
1016.0	8:42	17.8	49	139	8.9	9.0	9.0	8.60	13.5	3.7	1.84
1018.0	8:50	16.8	48	139	8.9	9.0	9.0	8.60	13.5	3.6	1.85
1020.0	8:55	21.0	51	138	8.9	9.0	9.0	8.60	13.5	4.9	1.79
1024.0	9:16	37.0	50	133	8.9	9.0	9.0	8.60	13.5	9.5	1.63
491											
1026.0	9:23	19.3	47	135	8.9	9.0	9.0	8.60	13.5	6.0	1.77
1028.0	9:29	18.3	44	136	8.9	9.0	9.0	8.60	13.5	6.7	1.76
1029.0	9:33	17.6	51	135	8.9	9.0	9.0	8.60	13.5	3.6	1.85

                              NEW BIT ID: 4

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1032.0	14:49	28.8	51	140	9.0	9.0	9.1	8.60	13.6	7.7	1.67
1034.0	14:52	39.7	51	141	9.0	9.0	9.1	8.60	13.6	11.1	1.55
1036.0	14:56	38.0	54	136	9.0	9.0	9.2	8.60	13.6	10.3	1.57
1038.0	14:59	42.6	56	135	9.0	9.0	9.2	8.60	13.6	11.1	1.55
1040.0	15: 2	35.1	50	136	9.0	9.0	9.2	8.60	13.6	11.0	1.56
1042.0	15:12	53.0	50	118	9.0	9.1	9.2	8.60	13.6	16.3	1.36
1044.0	15:16	29.3	50	133	9.0	9.1	9.2	8.60	13.6	9.3	1.62
512											
1046.0	15:21	43.7	50	131	9.0	9.1	9.2	8.60	13.6	13.3	1.47
1048.0	15:26	25.0	50	128	9.0	9.1	9.2	8.60	13.6	8.2	1.66
1050.0	15:30	26.9	50	128	9.0	9.1	9.2	8.60	13.6	9.1	1.63
1052.0	15:42	25.8	50	128	9.0	9.1	9.2	8.60	13.6	8.5	1.65
1054.0	15:45	33.2	50	143	9.0	9.1	9.2	8.60	13.6	10.3	1.60
1056.0	15:49	31.8	50	141	9.0	9.1	9.2	8.60	13.6	10.0	1.61
1058.0	15:53	27.7	50	134	9.0	9.1	9.2	8.60	13.6	9.1	1.64
1060.0	15:57	31.7	50	134	9.0	9.1	9.2	8.60	13.6	10.6	1.59
1062.0	16: 8	28.3	50	129	9.0	9.1	9.2	8.60	13.6	9.6	1.62
1064.0	16:12	26.6	50	128	9.0	9.1	9.2	8.60	13.6	9.1	1.64
532											
1066.0	16:16	27.1	50	129	9.0	9.1	9.2	8.60	13.6	9.0	1.64
1068.0	16:26	22.9	50	117	9.0	9.1	9.2	8.60	13.6	8.0	1.66
1070.0	16:30	25.9	50	114	9.0	9.1	9.2	8.60	13.6	9.5	1.60
1072.0	16:42	27.2	50	125	9.0	9.1	9.2	8.60	13.6	9.1	1.62
1074.0	16:46	28.5	50	139	9.0	9.1	9.2	8.60	13.6	9.0	1.64
1076.0	16:50	31.7	50	139	9.0	9.1	9.2	8.60	13.6	10.1	1.60
1078.0	16:53	33.4	50	140	9.0	9.1	9.2	8.60	13.7	10.7	1.58

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
546											
1080.0	17: 4	29.0	50	131	9.0	9.1	9.2	8.60	13.7	9.8	1.61
1082.0	17: 8	31.4	50	123	9.0	9.2	9.2	8.60	13.7	11.6	1.56
1084.0	17:12	30.2	50	123	9.0	9.2	9.2	8.60	13.7	11.3	1.58
1086.0	17:15	33.3	50	124	9.0	9.2	9.2	8.60	13.7	12.2	1.54
1088.0	17:21	21.2	50	127	9.0	9.2	9.2	8.60	13.7	7.7	1.71
1090.0	17:33	32.6	50	129	9.0	9.2	9.2	8.60	13.7	11.1	1.59
1092.0	17:37	28.3	50	129	9.0	9.2	9.2	8.60	13.7	10.3	1.62
1094.0	17:42	26.3	50	132	9.0	9.2	9.2	8.60	13.7	9.3	1.66
1096.0	17:46	25.4	50	132	9.0	9.2	9.2	8.60	13.7	8.6	1.67
1098.0	17:52	23.7	50	134	9.0	9.2	9.2	8.60	13.7	8.0	1.70
566											
1100.0	18: 9	26.1	50	125	9.0	9.2	9.1	8.60	13.7	9.2	1.64
1102.0	18:13	28.2	50	121	9.0	9.2	9.1	8.60	13.7	10.2	1.61
1104.0	18:17	30.4	50	139	9.0	9.2	9.1	8.60	13.7	10.2	1.62
1106.0	18:21	34.2	50	146	9.0	9.2	9.2	8.60	13.7	11.2	1.59
1108.0	18:24	32.7	50	146	9.0	9.2	9.2	8.60	13.7	10.9	1.61
1110.0	18:36	29.1	50	138	9.1	9.2	9.2	8.60	13.7	11.1	1.63
1112.0	18:40	31.5	50	144	9.1	9.2	9.2	8.60	13.7	11.4	1.61
1114.0	18:44	31.3	54	131	9.1	9.2	9.3	8.60	13.7	10.9	1.62
1116.0	18:47	39.6	56	148	9.1	9.2	9.3	8.60	13.7	12.3	1.59
1118.0	18:50	40.2	52	150	9.1	9.2	9.3	8.60	13.7	13.4	1.55
586											
1120.0	19: 3	29.7	52	135	9.1	9.2	9.3	8.60	13.7	11.0	1.62
1122.0	19: 8	26.5	52	135	9.1	9.2	9.3	8.60	13.7	9.9	1.66
1124.0	19:11	34.1	52	132	9.1	9.2	9.3	8.60	13.7	12.6	1.57
1128.0	19:25	29.0	52	135	9.1	9.2	9.3	8.60	13.8	11.1	1.63
1130.0	19:31	23.4	55	136	9.1	9.2	9.3	8.60	13.8	8.3	1.75
1132.0	19:35	26.3	52	137	9.1	9.2	9.3	8.60	13.8	10.2	1.67
1134.0	19:41	21.5	52	140	9.1	9.2	9.3	8.60	13.8	8.1	1.75
1136.0	19:46	24.6	52	139	9.1	9.2	9.3	8.60	13.8	9.5	1.70
1138.0	20: 5	17.6	52	126	9.1	9.2	9.3	8.60	13.8	6.7	1.80
1140.0	20:10	25.8	52	147	9.1	9.2	9.3	8.60	13.8	9.5	1.71
607											
1142.0	20:15	28.1	52	144	9.1	9.2	9.3	8.60	13.8	10.7	1.67
1144.0	20:19	25.6	52	143	9.1	9.2	9.3	8.60	13.8	9.9	1.70
1148.0	20:36	26.6	52	136	9.1	9.2	9.2	8.60	13.8	9.9	1.67
1150.0	20:41	23.9	52	136	9.1	9.2	9.3	8.60	13.8	9.7	1.70
1152.0	20:47	20.1	48	135	9.1	9.2	9.3	8.60	13.8	9.7	1.71
1154.0	20:52	24.4	52	134	9.1	9.2	9.3	8.60	13.8	10.5	1.68
1156.0	21: 4	22.3	53	132	9.1	9.2	9.3	8.60	13.8	9.4	1.72
1158.0	21: 9	23.2	49	128	9.1	9.2	9.3	8.60	13.8	11.0	1.66
1160.0	21:14	24.4	54	127	9.1	9.2	9.3	8.60	13.8	10.0	1.70
1162.0	21:19	22.6	51	129	9.1	9.2	9.3	8.60	13.8	10.3	1.69
628											
1164.0	21:24	25.1	50	132	9.1	9.2	9.3	8.60	13.8	11.3	1.66
1166.0	21:33	37.0	52	122	9.1	9.2	9.3	8.60	13.8	15.3	1.50
1168.0	21:38	24.9	49	135	9.1	9.2	9.3	8.60	13.8	11.6	1.65
1170.0	21:43	26.6	56	138	9.1	9.2	9.3	8.60	13.8	10.4	1.70
1172.0	21:47	26.3	53	139	9.1	9.2	9.3	8.60	13.8	11.4	1.68
1174.0	21:53	22.4	51	140	9.1	9.2	9.3	8.60	13.8	9.9	1.72
1176.0	22: 0	53.6	52	128	9.1	9.2	9.3	8.60	13.9	18.9	1.38
1178.0	22: 5	26.9	51	122	9.1	9.2	9.3	8.60	13.9	12.5	1.61
1180.0	22:13	18.5	52	130	9.1	9.2	9.3	8.60	13.9	7.3	1.82
1182.0	22:18	24.9	53	134	9.1	9.2	9.3	8.60	13.9	10.9	1.69
646											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
646											
1184.0	22:22	28.5	52	135	9.1	9.2	9.3	8.60	13.9	11.9	1.65
1186.0	22:35	21.1	49	134	9.1	9.2	9.3	8.60	13.9	10.4	1.71
1188.0	22:39	32.7	56	141	9.2	9.3	9.3	8.60	13.9	12.6	1.64
1190.0	22:43	27.3	54	143	9.2	9.3	9.3	8.60	13.9	11.4	1.69
1192.0	22:48	23.8	57	140	9.2	9.3	9.4	8.60	13.9	9.9	1.76
1194.0	22:54	22.5	54	140	9.2	9.3	9.4	8.60	13.9	9.8	1.75
1196.0	23: 9	18.8	52	126	9.2	9.3	9.4	8.60	13.9	9.8	1.74
1198.0	23:14	22.9	52	132	9.2	9.3	9.4	8.60	13.9	11.1	1.70
1200.0	23:19	22.9	55	140	9.2	9.3	9.4	8.60	13.9	10.1	1.75
1202.0	23:26	17.7	55	143	9.2	9.3	9.4	8.60	13.9	7.4	1.85
666											
1204.0	23:37	32.5	56	134	9.2	9.2	9.4	8.60	13.9	13.2	1.63
1206.0	23:43	19.2	48	124	9.2	9.2	9.4	8.60	13.9	11.3	1.70
1208.0	23:50	19.3	51	131	9.2	9.2	9.4	8.60	13.9	10.1	1.74
1210.0	23:55	22.0	51	133	9.2	9.2	9.4	8.60	13.9	11.4	1.70
1212.0	0: 1	19.2	51	136	9.2	9.2	9.4	8.60	13.9	9.9	1.76
1214.0	0:18	24.5	51	139	9.2	9.2	9.4	8.60	13.9	12.1	1.68
1216.0	0:24	24.2	51	146	9.2	9.2	9.4	8.60	13.9	11.6	1.71
1218.0	0:29	20.4	51	147	9.2	9.2	9.4	8.60	13.9	10.1	1.76
1220.0	0:36	17.8	51	137	9.2	9.2	9.4	8.60	13.9	9.3	1.78
1222.0	0:42	21.6	51	136	9.2	9.2	9.4	8.60	13.9	11.3	1.71
686											
1224.0	0:55	19.8	51	125	9.2	9.2	9.4	8.60	13.9	10.9	1.72
1226.0	1: 2	16.5	51	142	9.2	9.2	9.4	8.60	13.9	8.5	1.82
1228.0	1: 9	17.3	51	139	9.2	9.2	9.4	8.60	14.0	9.1	1.80
1230.0	1:16	17.1	52	139	9.2	9.2	9.4	8.60	14.0	8.7	1.82
1232.0	1:23	18.3	49	139	9.2	9.2	9.4	8.60	14.0	10.3	1.76
1234.0	1:40	22.7	53	137	9.2	9.2	9.4	8.60	14.0	11.2	1.73
1236.0	1:46	22.2	54	139	9.2	9.2	9.4	8.60	14.0	10.8	1.75
1238.0	1:52	17.8	55	142	9.2	9.2	9.4	8.60	14.0	8.4	1.85
1240.0	1:59	18.5	59	140	9.2	9.2	9.4	8.60	14.0	8.3	1.87
1242.0	2: 6	17.2	58	139	9.2	9.2	9.4	8.60	14.1	7.8	1.89
706											
1244.0	2:19	21.8	54	135	9.2	9.2	9.4	8.60	14.1	11.0	1.74
1246.0	2:25	18.7	54	143	9.2	9.2	9.4	8.60	14.1	9.2	1.82
1248.0	2:31	22.4	54	144	9.2	9.2	9.4	8.60	14.1	10.9	1.76
1250.0	2:35	26.4	54	144	9.2	9.2	9.4	8.60	14.1	12.6	1.69
1252.0	2:46	22.3	54	136	9.2	9.2	9.4	8.60	14.1	11.3	1.74
1254.0	2:53	18.2	54	130	9.2	9.2	9.4	8.60	14.1	9.8	1.79
1256.0	3: 0	17.4	54	135	9.2	9.2	9.4	8.60	14.1	9.1	1.82
1258.0	3: 7	18.4	54	134	9.2	9.2	9.4	8.60	14.1	9.8	1.80
1260.0	3:14	17.0	54	136	9.2	9.2	9.4	8.60	14.1	8.9	1.83
1262.0	3:28	15.5	54	133	9.2	9.2	9.4	8.60	14.1	8.2	1.86
726											
1264.0	3:34	20.8	54	130	9.2	9.2	9.4	8.60	14.1	11.3	1.74
1266.0	3:41	18.2	54	131	9.2	9.2	9.4	8.60	14.1	10.0	1.80
1268.0	3:48	17.8	54	131	9.2	9.2	9.4	8.60	14.1	9.8	1.80
1272.0	4:14	24.1	54	131	9.2	9.2	9.4	8.60	14.1	12.8	1.69
1274.0	4:20	19.2	53	135	9.2	9.2	9.4	8.60	14.1	10.8	1.77
1276.0	4:27	17.9	54	135	9.2	9.2	9.4	8.60	14.1	9.9	1.81
1280.0	4:41	29.0	52	130	9.2	9.2	9.4	8.60	14.1	14.5	1.63
1282.0	4:48	17.2	53	128	9.2	9.2	9.4	8.60	14.1	10.2	1.80
1284.0	4:55	17.9	53	129	9.2	9.2	9.4	8.60	14.1	10.6	1.79
1286.0	5: 0	21.5	54	128	9.2	9.2	9.4	8.60	14.1	12.2	1.73
747											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
747											
1290.0	5:17	24.6	55	126	9.2	9.2	9.4	8.60	14.1	13.2	1.69
1292.0	5:23	18.7	55	130	9.2	9.2	9.4	8.60	14.1	10.7	1.80
1294.0	5:29	19.3	55	130	9.2	9.2	9.4	8.60	14.1	11.1	1.78
1296.0	5:35	21.3	55	132	9.2	9.2	9.4	8.60	14.1	11.9	1.75
1298.0	5:41	21.1	54	134	9.2	9.2	9.4	8.60	14.2	12.1	1.75
1300.0	5:55	22.0	54	139	9.2	9.2	9.4	8.60	14.2	12.2	1.75
1302.0	6: 2	19.2	54	138	9.2	9.2	9.4	8.60	14.2	11.0	1.79
1304.0	6: 7	22.3	54	135	9.2	9.2	9.4	8.60	14.2	12.6	1.73
1306.0	6:11	29.7	54	135	9.2	9.2	9.4	8.60	14.2	15.3	1.63
1308.0	6:26	19.8	54	132	9.2	9.2	9.4	8.60	14.2	11.7	1.77
768											
1310.0	6:32	17.8	54	138	9.2	9.2	9.4	8.60	14.2	10.4	1.83
1312.0	6:40	17.1	55	140	9.2	9.2	9.3	8.60	14.2	9.5	1.87
1314.0	6:46	19.0	55	140	9.2	9.2	9.3	8.60	14.2	10.6	1.82
1318.0	7: 2	22.4	55	133	9.2	9.2	9.3	8.60	14.2	12.6	1.74
1320.0	7: 7	24.3	52	140	9.2	9.2	9.4	8.60	14.2	13.8	1.70
1322.0	7:12	21.2	53	144	9.2	9.2	9.4	8.60	14.2	12.3	1.76
1324.0	7:19	18.4	54	145	9.2	9.2	9.4	8.60	14.2	10.8	1.83
1326.0	7:25	19.9	53	142	9.2	9.2	9.4	8.60	14.2	12.1	1.77
1330.0	8: 4	19.2	52	123	9.2	9.2	9.4	8.60	14.2	12.8	1.73
1332.0	8:10	22.7	54	142	9.2	9.2	9.3	8.60	14.2	13.0	1.75
790											
1334.0	8:15	23.6	57	144	9.2	9.2	9.4	8.60	14.2	12.8	1.77
1336.0	8:19	27.6	52	148	9.2	9.2	9.4	8.60	14.2	15.2	1.67
1338.0	8:24	24.0	52	146	9.2	9.2	9.4	8.60	14.2	14.0	1.71
1340.0	8:36	23.9	52	139	9.2	9.2	9.4	8.60	14.2	14.3	1.70
1342.0	8:42	21.3	52	136	9.2	9.2	9.4	8.60	14.2	13.4	1.73
1344.0	8:46	25.8	52	137	9.2	9.2	9.4	8.60	14.2	15.2	1.66
1346.0	8:51	26.6	52	138	9.2	9.2	9.4	8.60	14.2	15.4	1.66
1348.0	9: 7	20.9	52	138	9.2	9.2	9.4	8.60	14.2	13.1	1.75
1350.0	9:13	20.1	53	136	9.2	9.2	9.3	8.60	14.2	12.6	1.77
1352.0	9:20	19.6	53	138	9.2	9.2	9.4	8.60	14.2	12.3	1.78
810											
1354.0	9:26	19.4	53	138	9.2	9.2	9.4	8.60	14.3	12.4	1.78
1356.0	9:31	22.2	51	139	9.2	9.2	9.4	8.60	14.3	14.4	1.71
1358.0	9:47	23.6	53	143	9.2	9.2	9.4	8.60	14.3	14.1	1.72
1360.0	9:53	21.4	53	140	9.2	9.2	9.4	8.60	14.3	13.2	1.75
1362.0	9:59	21.6	53	133	9.2	9.2	9.4	8.60	14.3	13.7	1.73
1364.0	10: 3	26.8	53	135	9.2	9.2	9.4	8.60	14.3	15.8	1.65
1366.0	10:17	25.9	53	133	9.2	9.2	9.4	8.60	14.3	15.5	1.66
1368.0	10:21	28.2	53	143	9.2	9.2	9.4	8.60	14.3	16.0	1.66
1370.0	10:26	25.9	53	145	9.2	9.2	9.4	8.60	14.3	15.1	1.69
1372.0	10:31	23.4	53	145	9.2	9.2	9.4	8.60	14.3	14.2	1.73
830											
1376.0	10:49	20.6	53	141	9.2	9.2	9.4	8.60	14.3	13.3	1.76
1378.0	10:55	18.1	53	134	9.2	9.2	9.4	8.60	14.3	12.4	1.79
1380.0	11: 2	18.0	53	134	9.2	9.2	9.3	8.60	14.3	12.3	1.80
1382.0	11: 7	24.4	53	133	9.2	9.2	9.3	8.60	14.3	15.2	1.69
1384.0	11:12	23.5	53	135	9.2	9.2	9.3	8.60	14.3	14.8	1.70
1386.0	11:30	16.6	53	125	9.2	9.2	9.3	8.60	14.3	12.2	1.80
1388.0	11:36	19.1	52	135	9.2	9.2	9.3	8.60	14.3	13.1	1.77
1390.0	11:42	20.9	52	141	9.2	9.2	9.3	8.60	14.3	13.8	1.75
1392.0	11:47	25.1	52	140	9.2	9.2	9.4	8.60	14.3	15.6	1.68
1394.0	11:54	24.2	52	140	9.2	9.2	9.4	8.60	14.3	15.4	1.69
850											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
850											
1396.0	11:58	28.1	52	144	9.2	9.2	9.4	8.60	14.3	16.7	1.65
1398.0	12: 2	34.9	52	139	9.2	9.2	9.4	8.60	14.3	19.0	1.56
1400.0	12: 6	27.8	52	144	9.2	9.2	9.4	8.60	14.3	16.5	1.66
1402.0	12:13	19.1	52	145	9.2	9.2	9.4	8.60	14.3	13.2	1.79
1404.0	12:23	29.4	52	137	9.2	9.2	9.4	8.60	14.3	17.2	1.63
1406.0	12:29	22.3	52	148	9.2	9.2	9.4	8.60	14.3	14.6	1.74
1408.0	12:34	21.2	52	138	9.2	9.2	9.4	8.60	14.3	14.6	1.73
1410.0	12:41	19.0	52	139	9.2	9.2	9.4	8.60	14.3	13.5	1.78
1412.0	12:46	23.9	52	138	9.2	9.2	9.4	8.60	14.4	15.8	1.69
1414.0	12:55	23.0	52	137	9.2	9.2	9.4	8.60	14.4	15.5	1.70
870											
1416.0	13: 1	21.4	52	139	9.3	9.4	9.4	8.60	14.4	14.8	1.73
1418.0	13: 6	22.9	52	142	9.3	9.4	9.4	8.60	14.4	15.5	1.71
1420.0	13:11	23.9	52	142	9.3	9.4	9.4	8.60	14.4	16.0	1.69
1422.0	13:15	28.7	52	142	9.3	9.4	9.4	8.60	14.4	17.8	1.62
1424.0	13:29	28.6	52	137	9.3	9.4	9.4	8.60	14.4	18.0	1.61
1426.0	13:35	22.2	52	143	9.2	9.3	9.4	8.60	14.4	15.2	1.72
1428.0	13:41	19.5	52	142	9.2	9.3	9.4	8.60	14.4	14.0	1.77
1430.0	13:47	20.6	52	142	9.2	9.3	9.4	8.60	14.4	14.5	1.75
1432.0	14: 2	19.5	52	139	9.2	9.3	9.4	8.60	14.4	14.1	1.77
1434.0	14: 7	23.9	52	138	9.2	9.3	9.4	8.60	14.4	15.9	1.69
890											
1436.0	14:12	24.7	52	139	9.2	9.3	9.4	8.60	14.4	16.3	1.68
1438.0	14:18	20.1	53	141	9.2	9.3	9.4	8.60	14.4	14.3	1.77
1440.0	14:23	23.4	54	140	9.2	9.3	9.4	8.60	14.4	15.3	1.73
1442.0	14:35	25.8	51	142	9.2	9.3	9.4	8.60	14.4	17.0	1.66
1444.0	14:39	29.6	54	143	9.2	9.3	9.4	8.60	14.4	17.5	1.65
1446.0	14:44	26.0	55	144	9.2	9.3	9.4	8.60	14.4	16.2	1.71
1448.0	14:49	22.3	51	146	9.2	9.3	9.4	8.60	14.4	15.4	1.73
1452.0	15: 6	16.4	53	140	9.2	9.3	9.4	8.60	14.4	12.6	1.84
1454.0	15:12	19.5	53	138	9.2	9.3	9.4	8.60	14.4	14.3	1.78
1456.0	15:18	22.2	53	139	9.2	9.3	9.4	8.60	14.4	15.4	1.73
911											
1458.0	15:22	24.8	53	140	9.2	9.3	9.4	8.60	14.4	16.4	1.69
1460.0	15:29	20.2	53	142	9.2	9.3	9.4	8.60	14.4	14.4	1.78
1462.0	15:46	15.2	53	139	9.2	9.3	9.4	8.60	14.4	12.1	1.87
1464.0	15:53	18.0	53	136	9.2	9.3	9.4	8.60	14.4	13.8	1.80
1466.0	15:58	21.8	53	136	9.2	9.3	9.4	8.60	14.4	15.6	1.73
1468.0	16: 4	21.9	53	137	9.2	9.3	9.4	8.60	14.4	15.6	1.73
1470.0	16:17	20.0	53	137	9.2	9.3	9.4	8.60	14.5	14.5	1.78
1472.0	16:26	14.3	53	140	9.2	9.3	9.4	8.60	14.5	11.7	1.89
1474.0	16:33	16.2	53	141	9.2	9.3	9.4	8.60	14.5	12.7	1.85
1476.0	16:39	19.3	53	140	9.2	9.3	9.4	8.60	14.5	14.5	1.78
931											
1480.0	16:54	21.9	53	139	9.2	9.3	9.4	8.60	14.5	15.7	1.74
1482.0	17: 1	17.8	53	151	9.2	9.3	9.4	8.60	14.5	13.4	1.84
1484.0	17: 9	15.7	53	152	9.2	9.3	9.4	8.60	14.5	12.2	1.89
1486.0	17:16	15.6	53	153	9.2	9.3	9.4	8.60	14.5	12.2	1.90
1488.0	17:24	17.1	53	153	9.2	9.3	9.4	8.60	14.5	13.1	1.86
1490.0	17:49	16.5	53	126	9.2	9.3	9.3	8.60	14.5	13.8	1.81
1492.0	17:56	17.3	53	130	9.2	9.3	9.3	8.60	14.5	14.1	1.81
1494.0	18: 3	17.1	53	138	9.2	9.3	9.3	8.60	14.5	13.7	1.83
1496.0	18:10	17.4	53	139	9.2	9.3	9.3	8.60	14.5	13.8	1.83
1498.0	18:23	17.6	53	139	9.2	9.3	9.3	8.60	14.5	14.0	1.82
952											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
	952										
1500.0	18:29	18.0	53	148	9.2	9.3	9.3	8.60	14.5	13.8	1.84
1502.0	18:35	20.6	53	145	9.2	9.3	9.3	8.60	14.5	15.2	1.78
1504.0	18:41	20.2	53	145	9.2	9.3	9.3	8.60	14.5	15.1	1.79
1506.0	18:46	23.2	53	144	9.2	9.3	9.3	8.60	14.5	16.5	1.73
1508.0	19: 3	21.1	53	146	9.2	9.3	9.3	8.60	14.5	15.7	1.77
1510.0	19: 8	21.7	54	141	9.2	9.3	9.3	8.60	14.5	15.9	1.76
1512.0	19:14	19.3	52	142	9.2	9.3	9.3	8.60	14.5	15.2	1.78
1514.0	19:21	18.1	53	141	9.2	9.3	9.3	8.60	14.5	14.5	1.82
1516.0	19:36	16.3	52	140	9.2	9.3	9.4	8.60	14.5	13.9	1.84
1518.0	19:53	14.8	53	134	9.2	9.3	9.3	8.60	14.5	12.9	1.88
	972										
1520.0	20: 0	16.1	52	142	9.2	9.3	9.3	8.60	14.5	13.7	1.85
1522.0	20: 7	17.2	54	139	9.2	9.3	9.3	8.60	14.5	14.0	1.84
1524.0	20:15	15.4	57	139	9.2	9.3	9.3	8.60	14.5	12.5	1.92
1526.0	20:27	15.3	54	139	9.2	9.3	9.3	8.60	14.5	13.0	1.89
1528.0	20:36	14.0	54	135	9.2	9.3	9.3	8.60	14.5	12.5	1.91
1530.0	20:42	18.7	57	147	9.2	9.3	9.3	8.60	14.6	14.0	1.87
1532.0	20:50	16.1	55	149	9.2	9.3	9.3	8.60	14.6	13.0	1.90
1534.0	20:57	16.9	55	149	9.2	9.3	9.3	8.60	14.6	13.4	1.89
1536.0	21:12	16.0	54	145	9.2	9.3	9.3	8.60	14.6	13.3	1.89
1538.0	21:19	17.1	54	137	9.2	9.3	9.3	8.60	14.6	14.2	1.85
	992										
1540.0	21:26	17.8	55	145	9.2	9.3	9.3	8.60	14.6	14.1	1.86
1542.0	21:33	17.5	56	146	9.2	9.3	9.3	8.60	14.6	13.8	1.88
1544.0	21:49	14.6	53	145	9.2	9.3	9.3	8.60	14.6	13.0	1.90
1546.0	21:59	15.3	54	145	9.2	9.3	9.3	8.60	14.6	13.2	1.90
1548.0	22: 7	13.7	56	146	9.2	9.3	9.3	8.60	14.6	11.8	1.97
1550.0	22:15	15.6	52	145	9.2	9.3	9.3	8.60	14.6	13.8	1.87
1552.0	22:23	14.5	52	146	9.2	9.3	9.3	8.60	14.6	13.1	1.90
1556.0	22:45	15.0	52	142	9.2	9.3	9.3	8.60	14.6	13.8	1.87
1558.0	22:51	19.4	51	146	9.2	9.3	9.3	8.60	14.6	16.1	1.79
1560.0	22:58	17.8	51	146	9.2	9.3	9.3	8.60	14.6	15.5	1.81
	1013										
1562.0	23: 6	15.6	51	147	9.2	9.3	9.3	8.60	14.6	14.1	1.87
1564.0	23:18	16.3	51	146	9.2	9.3	9.3	8.60	14.6	14.8	1.84
1566.0	23:26	15.0	51	145	9.2	9.3	9.3	8.60	14.6	14.0	1.87
1568.0	23:35	14.0	51	144	9.2	9.3	9.3	8.60	14.6	13.5	1.90
1570.0	23:43	13.9	51	144	9.2	9.3	9.3	8.60	14.6	13.4	1.90
1572.0	23:51	14.8	51	144	9.2	9.3	9.3	8.60	14.6	14.0	1.88
1574.0	0: 9	14.9	51	145	9.2	9.3	9.3	8.60	14.6	14.0	1.87
1576.0	0:16	18.1	51	145	9.2	9.3	9.3	8.60	14.6	15.6	1.81
1578.0	0:22	20.8	52	147	9.2	9.3	9.3	8.60	14.6	16.9	1.77
1580.0	0:28	18.4	50	146	9.2	9.3	9.3	8.60	14.6	16.3	1.79
	1033										
1582.0	0:35	18.1	50	146	9.2	9.3	9.4	8.60	14.6	16.6	1.79
1584.0	0:51	17.6	52	145	9.2	9.3	9.4	8.60	14.6	15.6	1.82
1586.0	0:59	14.6	52	143	9.2	9.3	9.3	8.60	14.6	13.6	1.88
1588.0	1:10	14.1	52	135	9.2	9.3	9.3	8.60	14.6	14.0	1.87
1590.0	1:17	17.0	50	139	9.2	9.3	9.4	8.60	14.6	16.3	1.79
1592.0	1:24	18.0	50	140	9.2	9.3	9.4	8.60	14.7	16.8	1.77
1594.0	1:34	22.6	52	142	9.2	9.3	9.4	8.60	14.7	18.3	1.72
1596.0	1:40	21.6	51	146	9.2	9.3	9.4	8.60	14.7	17.9	1.74
1598.0	1:47	17.8	51	141	9.2	9.3	9.4	8.60	14.7	16.5	1.79
1600.0	1:55	15.0	50	142	9.2	9.3	9.4	8.60	14.7	15.2	1.85
	1053										

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1053											
1602.0	2: 2	15.4	50	141	9.2	9.3	9.4	8.60	14.7	15.7	1.83
1604.0	2:14	18.5	49	136	9.2	9.3	9.4	8.60	14.7	17.7	1.74
1606.0	2:21	18.2	50	131	9.2	9.3	9.4	8.60	14.7	17.7	1.74
1608.0	2:29	14.4	50	131	9.2	9.3	9.4	8.60	14.7	15.5	1.83
1610.0	2:37	16.7	52	131	9.2	9.3	9.4	8.60	14.7	16.4	1.80
1611.0	2:40	17.6	53	131	9.2	9.3	9.4	8.60	14.7	16.6	1.79

NEW BIT ID: 5

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1622.0	10:27	22.2	50	145	9.2	9.3	9.3	8.60	14.7	16.7	1.72
1624.0	10:32	24.4	48	143	9.2	9.3	9.3	8.60	14.7	18.3	1.66
1626.0	10:37	26.9	50	142	9.2	9.3	9.3	8.60	14.7	18.9	1.63
1628.0	10:41	27.3	52	142	9.2	9.3	9.3	8.60	14.7	18.6	1.65
1075											
1630.0	10:46	25.2	50	142	9.2	9.3	9.4	8.60	14.7	18.5	1.66
1632.0	10:56	26.3	48	145	9.2	9.3	9.4	8.60	14.7	19.5	1.62
1634.0	11: 0	27.3	47	150	9.2	9.3	9.4	8.60	14.7	19.7	1.62
1636.0	11: 4	28.7	46	150	9.2	9.3	9.4	8.60	14.7	20.5	1.59
1638.0	11: 9	28.7	49	149	9.2	9.3	9.4	8.60	14.7	19.8	1.61
1640.0	11:13	28.5	47	149	9.2	9.3	9.4	8.60	14.7	20.4	1.60
1642.0	11:25	25.6	50	147	9.2	9.3	9.4	8.60	14.7	18.5	1.66
1644.0	11:30	26.7	51	146	9.2	9.3	9.4	8.60	14.7	18.8	1.65
1646.0	11:34	28.9	49	146	9.2	9.3	9.4	8.60	14.7	20.1	1.61
1648.0	11:38	30.1	56	143	9.2	9.3	9.4	8.60	14.7	19.0	1.66
1095											
1650.0	11:50	24.2	54	144	9.2	9.3	9.3	8.60	14.7	17.4	1.72
1652.0	11:54	31.4	55	149	9.2	9.3	9.4	8.60	14.7	19.4	1.65
1654.0	11:58	31.4	57	152	9.2	9.3	9.4	8.60	14.8	19.0	1.68
1656.0	12: 2	30.1	58	152	9.2	9.3	9.4	8.60	14.8	18.6	1.70
1658.0	12: 6	29.8	58	152	9.2	9.3	9.4	8.60	14.8	18.5	1.71
1660.0	12:10	28.5	52	155	9.2	9.3	9.4	8.60	14.8	19.1	1.66
1662.0	12:22	25.9	55	138	9.2	9.3	9.4	8.60	14.8	18.6	1.69
1664.0	12:26	29.6	55	145	9.2	9.3	9.4	8.60	14.8	19.4	1.66
1666.0	12:30	31.2	57	152	9.2	9.3	9.4	8.60	14.8	19.3	1.68
1670.0	12:41	32.6	55	151	9.2	9.3	9.4	8.60	14.8	20.0	1.64
1115											
1672.0	12:45	25.1	54	144	9.2	9.3	9.4	8.60	14.8	18.6	1.71
1674.0	12:50	28.3	56	138	9.2	9.3	9.4	8.60	14.8	19.4	1.67
1676.0	12:53	31.0	54	139	9.2	9.3	9.4	8.60	14.8	20.6	1.62
1678.0	12:58	30.3	54	139	9.2	9.3	9.4	8.60	14.8	20.5	1.62
1680.0	13:10	24.0	47	146	9.2	9.3	9.4	8.60	14.8	20.0	1.65
1682.0	13:17	22.9	48	136	9.2	9.3	9.4	8.60	14.8	19.8	1.66
1684.0	13:21	25.9	54	138	9.2	9.3	9.4	8.60	14.8	19.4	1.68
1686.0	13:26	23.9	51	139	9.2	9.3	9.4	8.60	14.8	19.0	1.69
1688.0	13:31	26.8	49	141	9.2	9.3	9.4	8.60	14.8	20.7	1.62
1690.0	13:51	25.7	50	140	9.2	9.3	9.3	8.60	14.8	19.9	1.65
1134											
1692.0	13:54	32.3	50	134	9.2	9.3	9.3	8.60	14.8	22.1	1.55
1694.0	13:59	27.5	50	136	9.2	9.3	9.4	8.60	14.8	20.8	1.62
1696.0	14: 4	23.1	50	136	9.2	9.3	9.4	8.60	14.8	19.4	1.67
1698.0	14:20	29.4	50	132	9.2	9.3	9.4	8.60	14.8	21.8	1.58
1700.0	14:25	24.8	50	138	9.2	9.3	9.4	8.60	14.8	19.9	1.66
1702.0	14:30	25.9	48	140	9.2	9.3	9.4	8.60	14.8	20.8	1.63
1704.0	14:34	27.4	47	140	9.2	9.3	9.4	8.60	14.8	21.6	1.60

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1147											
1706.0	14:39	24.5	49	140	9.2	9.3	9.4	8.60	14.8	20.2	1.65
1708.0	14:54	27.2	46	134	9.2	9.3	9.4	8.60	14.8	22.4	1.57
1710.0	14:59	27.1	46	144	9.2	9.3	9.4	8.60	14.8	22.2	1.59
1712.0	15: 3	27.6	46	141	9.2	9.3	9.4	8.60	14.8	22.3	1.59
1714.0	15: 7	28.0	48	140	9.2	9.3	9.4	8.60	14.8	21.9	1.60
1716.0	15:12	25.7	49	143	9.3	9.4	9.4	8.60	14.9	20.6	1.65
1718.0	15:27	27.1	53	144	9.3	9.4	9.4	8.60	14.9	20.4	1.66
1720.0	15:32	23.3	48	117	9.3	9.4	9.4	8.60	14.9	21.4	1.58
1722.0	15:35	33.5	51	140	9.3	9.4	9.4	8.60	14.9	23.2	1.55
1724.0	15:39	30.5	52	141	9.3	9.4	9.5	8.60	14.9	22.2	1.59
1167											
1726.0	15:43	30.9	53	140	9.3	9.4	9.5	8.60	14.9	22.3	1.59
1728.0	15:56	32.5	53	151	9.3	9.4	9.5	8.60	14.9	22.1	1.61
1730.0	15:59	40.9	53	149	9.3	9.4	9.5	8.60	14.9	24.4	1.51
1732.0	16: 3	31.0	53	140	9.3	9.4	9.5	8.60	14.9	22.4	1.59
1734.0	16: 8	26.2	53	140	9.3	9.4	9.5	8.60	14.9	21.0	1.65
1736.0	16:21	26.6	52	140	9.3	9.4	9.5	8.60	14.9	21.2	1.64
1738.0	16:26	24.5	51	140	9.3	9.4	9.5	8.60	14.9	20.5	1.65
1740.0	16:30	28.8	50	144	9.3	9.4	9.5	8.60	14.9	22.4	1.60
1742.0	16:34	29.0	48	139	9.3	9.4	9.5	8.60	14.9	23.1	1.57
1744.0	16:39	25.0	50	137	9.3	9.4	9.5	8.60	14.9	20.8	1.63
1187											
1746.0	16:56	25.1	50	138	9.3	9.4	9.5	8.60	14.9	20.9	1.63
1748.0	16:59	33.7	50	148	9.3	9.4	9.5	8.60	14.9	23.1	1.55
1750.0	17: 3	30.3	49	140	9.3	9.4	9.5	8.60	14.9	22.8	1.56
1752.0	17: 7	32.9	48	139	9.3	9.4	9.5	8.60	14.9	24.1	1.52
1754.0	17:11	29.7	53	141	9.3	9.4	9.5	8.60	14.9	22.4	1.60
1756.0	17:24	32.0	48	140	9.3	9.4	9.5	8.60	14.9	24.5	1.53
1758.0	17:27	33.0	50	145	9.3	9.4	9.5	8.60	14.9	23.9	1.55
1760.0	17:31	31.3	50	150	9.3	9.4	9.5	8.60	14.9	23.5	1.58
1762.0	17:34	38.3	46	149	9.3	9.4	9.5	8.60	14.9	26.4	1.47
1764.0	17:37	39.3	45	150	9.3	9.4	9.5	8.60	14.9	26.8	1.45
1207											
1766.0	17:52	31.0	49	149	9.3	9.4	9.5	8.60	14.9	23.6	1.57
1768.0	17:55	40.5	49	146	9.3	9.4	9.5	8.60	14.9	26.0	1.47
1770.0	17:58	39.1	53	141	9.3	9.4	9.5	8.60	14.9	24.8	1.51
1772.0	18: 1	42.4	54	141	9.3	9.4	9.5	8.60	14.9	25.4	1.49
1774.0	18: 4	38.2	55	142	9.3	9.4	9.5	8.60	14.9	24.3	1.54
1776.0	18:18	34.7	55	143	9.3	9.4	9.5	8.60	14.9	23.3	1.59
1778.0	18:22	35.3	55	145	9.3	9.4	9.5	8.60	14.9	23.4	1.58
1780.0	18:25	42.1	55	145	9.3	9.4	9.5	8.60	15.0	25.1	1.51
1782.0	18:28	36.3	55	146	9.3	9.4	9.5	8.60	15.0	23.8	1.57
1784.0	18:31	39.4	55	147	9.3	9.4	9.5	8.60	15.0	24.5	1.54
1227											
1786.0	18:44	36.7	55	144	9.3	9.4	9.5	8.60	15.0	23.7	1.57
1788.0	18:47	35.6	55	143	9.3	9.4	9.5	8.60	15.0	23.8	1.57
1790.0	18:50	38.7	55	141	9.3	9.4	9.5	8.60	15.0	24.7	1.53
1792.0	18:54	35.5	55	139	9.3	9.4	9.5	8.60	15.0	24.1	1.56
1794.0	19: 8	31.1	52	141	9.3	9.4	9.5	8.60	15.0	23.6	1.58
1796.0	19:12	29.3	50	145	9.3	9.4	9.5	8.60	15.0	23.2	1.60
1798.0	19:20	31.2	54	145	9.3	9.4	9.5	8.60	15.0	23.0	1.61
1800.0	19:25	24.3	52	142	9.3	9.4	9.5	8.60	15.0	21.3	1.68
1802.0	19:30	22.6	52	143	9.3	9.4	9.5	8.60	15.0	20.7	1.70
1804.0	19:44	26.7	49	144	9.3	9.4	9.5	8.60	15.0	22.9	1.62
1247											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1247											
1806.0	19:48	28.7	51	145	9.3	9.4	9.5	8.60	15.0	22.8	1.62
1808.0	19:53	25.9	55	148	9.3	9.4	9.5	8.60	15.0	21.2	1.70
1810.0	19:58	25.2	54	145	9.3	9.4	9.5	8.60	15.0	21.3	1.69
1812.0	20: 1	30.4	53	141	9.3	9.4	9.5	8.60	15.0	23.3	1.60
1814.0	20:15	32.2	55	149	9.3	9.3	9.5	8.60	15.0	23.1	1.62
1816.0	20:19	29.3	55	150	9.3	9.3	9.5	8.60	15.0	22.3	1.66
1818.0	20:24	23.3	55	142	9.3	9.3	9.5	8.60	15.0	20.7	1.72
1820.0	20:29	24.7	55	142	9.3	9.3	9.5	8.60	15.0	21.2	1.70
1822.0	20:33	27.7	55	143	9.3	9.3	9.5	8.60	15.0	22.2	1.66
1824.0	20:50	22.1	55	148	9.3	9.3	9.5	8.60	15.0	20.1	1.76
1267											
1826.0	20:54	26.2	55	140	9.3	9.3	9.5	8.60	15.0	21.9	1.68
1828.0	20:59	28.2	52	141	9.3	9.3	9.5	8.60	15.0	23.0	1.62
1830.0	21: 3	27.1	51	142	9.3	9.3	9.5	8.60	15.0	23.0	1.63
1842.0	21:56	23.3	51	135	9.3	9.3	9.5	8.60	15.0	22.2	1.66
1844.0	22: 2	20.4	51	143	9.3	9.3	9.4	8.60	15.0	20.7	1.73
1846.0	22: 8	20.5	52	143	9.3	9.3	9.4	8.60	15.1	20.7	1.74
1848.0	22:15	17.9	53	145	9.3	9.3	9.4	8.60	15.1	19.0	1.81
1850.0	22:23	15.2	54	144	9.3	9.3	9.5	8.60	15.1	17.8	1.87
1852.0	22:40	19.5	53	139	9.3	9.4	9.4	8.60	15.1	20.3	1.76
1854.0	22:46	19.8	52	139	9.3	9.4	9.4	8.60	15.1	20.5	1.75
1288											
1856.0	22:52	20.0	51	140	9.3	9.4	9.4	8.60	15.1	21.0	1.73
1858.0	22:58	19.4	52	141	9.3	9.4	9.5	8.60	15.1	20.6	1.75
1860.0	23: 4	19.2	53	141	9.3	9.4	9.5	8.60	15.1	20.2	1.77
1862.0	23:19	22.6	53	141	9.3	9.4	9.5	8.60	15.1	21.5	1.71
1864.0	23:25	20.7	53	142	9.3	9.4	9.5	8.60	15.1	20.7	1.75
1866.0	23:30	24.0	53	142	9.3	9.4	9.5	8.60	15.1	22.1	1.69
1868.0	23:36	19.6	53	145	9.3	9.4	9.5	8.60	15.1	20.0	1.79
1872.0	23:56	24.9	53	143	9.3	9.4	9.5	8.60	15.1	22.3	1.69
1874.0	0: 2	26.9	53	145	9.3	9.4	9.5	8.60	15.1	22.3	1.70
1876.0	0: 6	28.1	54	144	9.3	9.4	9.5	8.60	15.1	23.4	1.65
1309											
1878.0	0:11	26.0	53	145	9.3	9.4	9.5	8.60	15.1	22.8	1.67
1880.0	0:24	24.3	51	147	9.3	9.4	9.5	8.60	15.1	22.9	1.68
1882.0	0:28	26.6	51	149	9.3	9.4	9.5	8.60	15.1	23.5	1.65
1884.0	0:33	24.3	53	148	9.3	9.4	9.5	8.60	15.1	22.5	1.70
1886.0	0:38	25.4	53	149	9.3	9.4	9.5	8.60	15.1	22.8	1.68
1888.0	0:50	20.5	52	147	9.3	9.4	9.5	8.60	15.1	21.3	1.75
1890.0	0:54	26.4	51	136	9.3	9.4	9.5	8.60	15.1	24.1	1.62
1892.0	0:59	28.2	52	139	9.3	9.4	9.5	8.60	15.1	24.4	1.61
1894.0	1: 4	24.1	53	140	9.3	9.4	9.5	8.60	15.1	22.8	1.69
1896.0	1: 9	24.2	52	141	9.3	9.4	9.5	8.60	15.1	23.0	1.68
1329											
1898.0	1:19	27.2	51	143	9.3	9.4	9.5	8.60	15.1	24.4	1.62
1900.0	1:24	24.1	49	148	9.3	9.4	9.5	8.60	15.1	23.7	1.66
1902.0	1:29	23.7	50	149	9.3	9.4	9.5	8.60	15.1	23.3	1.68
1904.0	1:34	23.8	51	150	9.3	9.4	9.5	8.60	15.1	22.9	1.69
1906.0	1:41	21.3	50	152	9.3	9.4	9.5	8.60	15.1	21.9	1.74
1908.0	1:51	27.6	50	149	9.3	9.4	9.5	8.60	15.1	24.5	1.63
1910.0	1:55	28.3	50	147	9.3	9.4	9.5	8.60	15.1	24.7	1.62
1912.0	2: 1	21.9	50	148	9.3	9.4	9.5	8.60	15.2	22.8	1.70
1914.0	2: 9	15.7	51	149	9.3	9.4	9.5	8.60	15.2	19.6	1.84
1916.0	2:14	23.7	52	148	9.3	9.4	9.5	8.60	15.2	22.3	1.73
1349											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1349											
1918.0	2:26	23.6	51	146	9.3	9.4	9.5	8.60	15.2	23.1	1.69
1920.0	2:31	21.9	51	148	9.3	9.4	9.5	8.60	15.2	22.5	1.72
1922.0	2:36	23.9	51	148	9.3	9.4	9.5	8.60	15.2	23.2	1.69
1924.0	2:41	25.8	51	148	9.3	9.4	9.5	8.60	15.2	23.9	1.66
1926.0	2:52	29.2	51	150	9.3	9.4	9.5	8.60	15.2	24.4	1.64
1928.0	2:59	16.3	51	147	9.3	9.4	9.5	8.60	15.2	20.2	1.82
1930.0	3: 7	15.5	51	146	9.3	9.4	9.5	8.60	15.2	19.8	1.84
1932.0	3:13	20.2	51	145	9.3	9.4	9.4	8.60	15.2	22.0	1.74
1934.0	3:20	17.4	51	144	9.3	9.4	9.4	8.60	15.2	20.9	1.79
1936.0	3:34	15.6	51	145	9.3	9.4	9.5	8.60	15.2	20.1	1.83
1369											
1938.0	3:42	15.2	51	140	9.3	9.4	9.4	8.60	15.2	20.0	1.84
1940.0	3:52	11.8	50	145	9.3	9.4	9.4	8.60	15.2	18.1	1.92
1942.0	4: 0	14.5	51	147	9.3	9.4	9.4	8.60	15.2	19.6	1.86
1944.0	4: 9	13.7	52	147	9.3	9.4	9.4	8.60	15.2	18.7	1.90
1946.0	4:23	16.2	52	146	9.3	9.4	9.4	8.60	15.2	20.1	1.84
1948.0	4:29	23.5	52	147	9.3	9.4	9.4	8.60	15.2	23.3	1.71
1950.0	4:34	23.2	51	146	9.3	9.4	9.5	8.60	15.2	23.5	1.70
1952.0	4:39	24.0	50	148	9.3	9.4	9.5	8.60	15.2	24.1	1.68
1954.0	4:44	22.9	51	148	9.3	9.4	9.5	8.60	15.2	23.5	1.71
1956.0	4:57	24.1	51	144	9.3	9.4	9.5	8.60	15.2	24.2	1.67
1389											
1958.0	5: 2	25.9	51	147	9.3	9.4	9.5	8.60	15.2	24.8	1.65
1960.0	5: 7	22.4	51	148	9.3	9.4	9.5	8.60	15.2	23.5	1.71
1962.0	5:12	24.2	51	150	9.3	9.4	9.5	8.60	15.2	24.1	1.69
1964.0	5:17	22.2	51	149	9.3	9.4	9.5	8.60	15.2	23.5	1.72
1966.0	5:30	27.1	51	140	9.3	9.4	9.5	8.60	15.2	25.6	1.62
1968.0	5:36	21.0	51	141	9.3	9.4	9.5	8.60	15.2	23.5	1.71
1970.0	5:42	19.3	52	142	9.3	9.4	9.5	8.60	15.2	22.5	1.76
1972.0	5:48	21.5	53	141	9.3	9.4	9.5	8.60	15.2	23.2	1.73
1974.0	6: 1	17.8	52	144	9.3	9.4	9.5	8.60	15.2	21.7	1.80
1976.0	6: 8	19.2	50	146	9.3	9.4	9.5	8.60	15.2	22.9	1.75
1409											
1978.0	6:12	25.9	50	147	9.3	9.4	9.5	8.60	15.3	25.5	1.64
1980.0	6:17	24.4	51	148	9.3	9.4	9.5	8.60	15.3	24.7	1.68
1982.0	6:22	24.0	50	148	9.3	9.4	9.5	8.60	15.3	24.7	1.68
1984.0	6:36	21.0	51	137	9.3	9.4	9.5	8.60	15.3	23.8	1.71
1986.0	6:42	19.8	51	139	9.3	9.4	9.5	8.60	15.3	23.4	1.73
1988.0	6:48	18.6	51	140	9.3	9.4	9.5	8.60	15.3	22.9	1.76
1990.0	6:55	18.0	51	141	9.3	9.4	9.5	8.60	15.3	22.6	1.77
1992.0	7: 3	15.3	51	141	9.3	9.4	9.5	8.60	15.3	21.3	1.83
1994.0	7:18	24.5	51	142	9.3	9.4	9.5	8.60	15.3	24.2	1.70
1996.0	7:26	14.7	51	144	9.3	9.4	9.5	8.60	15.3	20.8	1.85
1429											
1998.0	7:33	18.5	51	144	9.3	9.4	9.5	8.60	15.3	22.7	1.77
2000.0	7:39	19.9	51	145	9.3	9.4	9.5	8.60	15.3	23.2	1.75
2002.0	7:46	17.1	51	145	9.3	9.4	9.5	8.60	15.3	22.1	1.80
2004.0	8: 4	14.8	51	148	9.3	9.4	9.5	8.60	15.3	20.8	1.86
2006.0	8: 9	23.1	51	153	9.3	9.4	9.5	8.60	15.3	24.3	1.72
2008.0	8:15	21.2	51	154	9.3	9.4	9.5	8.60	15.3	23.6	1.75
2010.0	8:21	19.5	51	155	9.3	9.4	9.5	8.60	15.3	22.9	1.78
2016.0	8:43	35.6	51	152	9.3	9.4	9.5	8.60	15.3	27.3	1.59
2018.0	8:47	28.0	51	154	9.3	9.4	9.5	8.60	15.3	26.1	1.64
2020.0	8:52	21.9	51	156	9.3	9.4	9.5	8.60	15.3	24.1	1.73
1450											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1450											
2022.0	9: 4	24.5	51	154	9.3	9.4	9.5	8.60	15.3	25.1	1.69
2024.0	9: 9	24.8	51	152	9.3	9.4	9.5	8.60	15.3	25.3	1.68
2026.0	9:14	24.8	51	153	9.3	9.4	9.5	8.60	15.3	25.1	1.69
2028.0	9:18	25.8	50	154	9.3	9.4	9.5	8.60	15.3	25.7	1.67
2030.0	9:22	28.6	52	154	9.3	9.4	9.5	8.60	15.3	26.3	1.65
2032.0	9:34	28.4	52	146	9.3	9.4	9.5	8.60	15.3	26.3	1.64
2034.0	9:39	23.0	52	149	9.3	9.4	9.5	8.60	15.3	24.7	1.71
2036.0	9:44	22.9	52	151	9.3	9.4	9.5	8.60	15.3	24.7	1.72
2038.0	9:50	20.6	52	151	9.3	9.4	9.5	8.60	15.3	23.8	1.76
2040.0	9:57	17.0	52	152	9.3	9.4	9.5	8.60	15.3	22.3	1.83
1470											
2042.0	10:14	14.5	52	152	9.3	9.4	9.5	8.60	15.3	20.9	1.89
2044.0	10:20	20.9	52	146	9.3	9.4	9.5	8.60	15.3	24.2	1.74
2046.0	10:26	20.8	52	146	9.3	9.4	9.5	8.60	15.3	24.1	1.75
2048.0	10:31	21.7	52	146	9.3	9.4	9.5	8.60	15.4	24.5	1.73
2050.0	10:36	24.6	52	146	9.3	9.4	9.5	8.60	15.4	25.5	1.69
2052.0	10:49	19.1	52	147	9.1	9.2	9.4	8.60	15.4	23.3	1.79
2054.0	11: 0	16.6	52	133	9.1	9.2	9.4	8.60	15.4	22.3	1.81
2056.0	11: 8	15.1	52	150	9.1	9.2	9.3	8.60	15.4	20.8	1.89
2058.0	11:16	14.9	53	149	9.1	9.2	9.3	8.60	15.4	20.5	1.91
2060.0	11:27	36.7	54	148	9.1	9.2	9.3	8.60	15.4	27.6	1.59
1489											
2062.0	11:36	20.9	50	137	9.1	9.2	9.3	8.60	15.4	24.4	1.73
2064.0	11:42	21.4	50	140	9.1	9.2	9.3	8.60	15.4	24.7	1.73
2066.0	11:49	16.8	50	137	9.1	9.2	9.3	8.60	15.4	22.9	1.81
2076.0	19: 8	19.7	43	138	9.1	9.3	9.3	8.60	15.4	26.5	1.68
2078.0	19:15	15.8	41	139	9.1	9.3	9.3	8.60	15.4	25.4	1.73
2080.0	19:33	13.7	40	141	9.1	9.3	9.3	8.60	15.4	24.5	1.77
2082.0	19:41	15.0	42	146	9.1	9.3	9.3	8.60	15.4	24.4	1.78
2084.0	19:50	14.6	42	146	9.1	9.3	9.3	8.60	15.4	24.4	1.78
2086.0	19:59	12.9	40	142	9.1	9.3	9.3	8.60	15.4	24.1	1.79
2090.0	20:21	14.1	40	136	9.1	9.3	9.3	8.60	15.4	25.0	1.75
1509											
2092.0	20:32	12.4	38	140	9.1	9.3	9.3	8.60	15.4	24.7	1.78
2094.0	20:41	12.5	37	139	9.1	9.3	9.3	8.60	15.4	25.1	1.76
2096.0	20:51	12.2	39	139	9.1	9.3	9.3	8.60	15.4	24.3	1.79
2098.0	21:10	14.1	37	141	9.1	9.3	9.3	8.60	15.4	26.1	1.72
2100.0	21:18	15.5	40	141	9.1	9.3	9.3	8.60	15.4	25.8	1.73
2102.0	21:28	11.9	42	137	9.1	9.3	9.3	8.60	15.4	23.3	1.83
2104.0	21:38	13.7	39	133	9.1	9.3	9.3	8.60	15.4	25.0	1.74
2106.0	21:47	14.1	40	140	9.1	9.3	9.3	8.60	15.4	24.6	1.76
2108.0	22: 4	13.5	43	135	9.1	9.3	9.3	8.60	15.4	23.5	1.80
2110.0	22:11	16.6	41	139	9.1	9.3	9.3	8.60	15.4	26.3	1.71
1529											
2112.0	22:18	17.2	41	139	9.1	9.3	9.3	8.60	15.4	26.5	1.70
2114.0	22:27	14.8	40	140	9.1	9.3	9.3	8.60	15.4	25.6	1.74
2116.0	22:34	15.4	41	141	9.1	9.3	9.3	8.60	15.5	25.7	1.74
2118.0	22:49	18.4	34	137	9.1	9.1	9.3	8.60	15.5	30.1	1.58
2120.0	22:57	14.6	41	137	9.1	9.2	9.3	8.60	15.5	25.5	1.75
2122.0	23: 6	13.1	42	138	9.1	9.2	9.3	8.60	15.5	24.3	1.80
2124.0	23:15	13.7	44	139	9.1	9.3	9.3	8.60	15.5	23.8	1.82
2126.0	23:24	14.1	44	141	9.1	9.3	9.3	8.60	15.5	23.6	1.83
2127.0	23:29	12.8	43	142	9.1	9.3	9.3	8.60	15.5	23.7	1.83

NEW BIT ID: 6

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1549											
2144.0	0: 9	12.2	45	140	9.5	9.4	9.6	8.60	15.5	22.8	1.80
2150.0	0:38	12.4	50	140	9.5	9.5	9.6	8.60	15.5	21.5	1.86
2152.0	0:50	10.2	42	141	9.5	9.5	9.6	8.60	15.5	22.7	1.82
2154.0	1: 2	10.2	39	140	9.5	9.5	9.6	8.60	15.5	23.6	1.78
2156.0	2:20	1.8	55	133	9.5	9.5	9.6	8.60	15.5	5.0	2.62
2158.0	3:34	4.2	55	138	9.5	9.5	9.6	8.60	15.5	8.5	2.47
2160.0	3:38	31.1	53	147	9.5	9.5	9.7	8.60	15.5	28.2	1.59
2162.0	3:43	26.3	56	143	9.5	9.5	9.7	8.60	15.5	26.7	1.66
2164.0	3:48	23.5	56	143	9.5	9.5	9.7	8.60	15.5	25.6	1.71
2166.0	3:56	16.9	53	148	9.5	9.5	9.7	8.60	15.5	23.6	1.80
1567											
2168.0	4: 6	11.4	53	141	9.5	9.5	9.7	8.60	15.5	21.0	1.91
2170.0	4:14	14.8	51	143	9.5	9.5	9.7	8.60	15.5	23.5	1.80
2172.0	4:28	8.8	53	144	9.5	9.5	9.7	8.60	15.5	18.8	2.01
2174.0	4:38	11.5	55	140	9.5	9.5	9.7	8.60	15.5	20.7	1.94
2176.0	4:45	18.7	55	150	9.5	9.5	9.7	8.60	15.5	24.3	1.79
2178.0	4:54	13.2	55	144	9.5	9.5	9.7	8.60	15.5	21.8	1.90
2180.0	5: 2	14.6	54	144	9.5	9.5	9.7	8.60	15.5	22.7	1.85
2182.0	5:10	16.2	55	141	9.5	9.5	9.7	8.60	15.5	23.6	1.81
2184.0	5:19	13.6	53	141	9.5	9.5	9.7	8.60	15.5	22.6	1.85
2186.0	5:24	23.3	54	143	9.5	9.5	9.7	8.60	15.5	26.7	1.68
1585											
2188.0	5:31	16.8	56	140	9.5	9.5	9.7	8.60	15.6	23.9	1.81
2190.0	5:37	21.3	53	140	9.5	9.5	9.7	8.60	15.6	26.3	1.69
2192.0	5:42	22.7	51	140	9.5	9.4	9.7	8.60	15.6	27.1	1.66
2194.0	5:48	22.7	55	139	9.5	9.5	9.7	8.60	15.6	26.6	1.69
2196.0	5:54	19.5	54	144	9.5	9.5	9.7	8.60	15.6	25.4	1.75
2198.0	5:59	22.6	52	142	9.5	9.5	9.7	8.60	15.6	27.1	1.67
2200.0	6: 5	20.1	52	142	9.5	9.5	9.7	8.60	15.6	26.1	1.71
2202.0	6:10	23.9	51	142	9.5	9.5	9.7	8.60	15.6	27.7	1.64
2204.0	6:16	21.1	50	142	9.5	9.5	9.7	8.60	15.6	27.1	1.67
2206.0	6:21	23.1	53	149	9.5	9.5	9.7	8.60	15.6	26.9	1.69
1598											
2208.0	6:28	15.7	52	152	9.5	9.5	9.7	8.60	15.6	24.0	1.82
2210.0	6:36	16.4	52	152	9.5	9.5	9.7	8.60	15.6	24.3	1.81
2214.0	6:49	17.6	51	144	9.5	9.5	9.7	8.60	15.6	25.3	1.76
2216.0	6:56	15.1	56	142	9.5	9.5	9.7	8.60	15.6	23.7	1.85
2218.0	7: 4	15.3	51	143	9.5	9.5	9.7	8.60	15.6	24.5	1.79
2220.0	7:12	15.2	51	143	9.5	9.5	9.7	8.60	15.6	24.5	1.80
2224.0	7:25	18.0	51	141	9.5	9.5	9.7	8.60	15.6	25.9	1.74
2226.0	7:59	19.1	50	142	9.5	9.5	9.7	8.60	15.6	26.6	1.71
2228.0	8: 5	17.4	52	143	9.5	9.5	9.7	8.60	15.6	25.3	1.77
2230.0	8:13	16.0	52	144	9.5	9.5	9.7	8.60	15.6	24.5	1.81
1618											
2232.0	8:21	15.8	52	144	9.5	9.5	9.7	8.60	15.6	24.7	1.80
2234.0	8:27	19.0	51	143	9.5	9.5	9.7	8.60	15.6	26.5	1.72
2236.0	8:35	16.8	52	142	9.5	9.5	9.7	8.60	15.6	25.2	1.78
2238.0	8:42	17.6	54	140	9.5	9.5	9.7	8.60	15.6	25.6	1.77
2240.0	8:47	23.3	52	139	9.5	9.5	9.7	8.60	15.6	28.1	1.65
2242.0	8:53	17.6	52	135	9.5	9.5	9.7	8.60	15.6	26.1	1.74
2244.0	8:59	20.3	53	140	9.5	9.5	9.7	8.60	15.6	26.9	1.71
2246.0	9: 6	17.9	54	145	9.5	9.5	9.7	8.60	15.6	25.6	1.78
2248.0	9:14	16.6	55	145	9.5	9.5	9.7	8.60	15.6	24.8	1.82
2250.0	9:21	17.1	54	147	9.5	9.5	9.7	8.60	15.6	25.2	1.80
1635											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1635											
2252.0	9:26	21.4	50	140	9.5	9.5	9.7	8.60	15.6	28.1	1.66
2254.0	9:32	20.7	53	145	9.5	9.5	9.7	8.60	15.6	27.0	1.72
2256.0	9:41	13.8	55	146	9.5	9.5	9.7	8.60	15.6	23.5	1.88
2258.0	9:48	16.0	56	146	9.5	9.5	9.7	8.60	15.6	24.6	1.84
2260.0	9:54	22.1	55	146	9.5	9.5	9.7	8.60	15.7	27.3	1.72
2262.0	9:59	22.6	54	143	9.5	9.5	9.7	8.60	15.7	27.8	1.69
2264.0	10: 5	19.2	54	145	9.5	9.5	9.7	8.60	15.7	26.5	1.75
2266.0	10:11	19.4	56	144	9.5	9.5	9.7	8.60	15.7	26.3	1.77
2268.0	10:16	25.3	55	145	9.5	9.5	9.7	8.60	15.7	28.5	1.67
2270.0	10:21	25.9	56	145	9.5	9.5	9.7	8.60	15.7	28.5	1.67
· 1647											
2272.0	10:26	21.1	54	147	9.5	9.5	9.7	8.60	15.7	27.2	1.72
2274.0	10:30	30.5	53	154	9.5	9.5	9.7	8.60	15.7	30.1	1.60
2276.0	10:36	22.5	53	154	9.5	9.5	9.7	8.60	15.7	27.7	1.71
2278.0	10:40	26.4	51	156	9.5	9.5	9.7	8.60	15.7	29.3	1.64
2280.0	10:45	23.8	54	141	9.5	9.5	9.7	8.60	15.7	28.5	1.67
2282.0	10:52	18.5	52	145	9.5	9.5	9.7	8.60	15.7	26.7	1.74
2284.0	10:58	20.0	53	146	9.5	9.5	9.7	8.60	15.7	27.2	1.73
2286.0	11: 4	18.9	54	148	9.5	9.5	9.7	8.60	15.7	26.6	1.76
2288.0	11:12	16.4	53	149	9.5	9.5	9.7	8.60	15.7	25.6	1.81
2290.0	11:20	14.4	51	133	9.5	9.5	9.7	8.60	15.7	25.7	1.79
1662											
2292.0	11:28	15.5	50	138	9.5	9.5	9.7	8.60	15.7	26.4	1.76
2294.0	11:35	16.9	52	141	9.5	9.5	9.7	8.60	15.7	26.5	1.77
2296.0	11:43	15.5	52	145	9.0	9.5	9.7	8.60	15.7	25.7	1.81
2310.0	12:40	16.2	53	143	9.5	9.5	9.7	8.60	15.7	25.8	1.81
2312.0	12:47	16.5	53	143	9.5	9.5	9.7	8.60	15.7	26.2	1.79
2314.0	12:56	13.5	53	142	9.5	9.5	9.7	8.60	15.7	24.7	1.86
2316.0	13: 5	13.7	53	143	9.5	9.5	9.7	8.60	15.7	24.8	1.86
2318.0	13:13	15.6	51	143	9.5	9.5	9.7	8.60	15.7	26.4	1.78
2320.0	13:25	10.8	53	143	9.5	9.5	9.7	8.60	15.7	23.0	1.95
2322.0	13:33	16.1	53	146	9.5	9.4	9.7	8.60	15.7	26.1	1.81
1680											
2324.0	13:39	18.2	52	145	9.5	9.5	9.7	8.60	15.7	27.3	1.75
2326.0	13:47	15.6	54	145	9.5	9.0	9.7	8.60	15.7	25.7	1.83
2328.0	13:54	17.7	52	140	9.5	9.5	9.7	8.60	15.7	27.4	1.75
2330.0	14: 2	14.2	51	140	9.5	9.5	9.7	8.60	15.7	25.9	1.81
2332.0	14:12	12.3	52	142	9.5	9.5	9.7	8.60	15.7	24.6	1.88
2334.0	14:22	12.8	54	142	9.5	9.5	9.7	8.60	15.8	24.5	1.89
2336.0	14:31	12.7	55	143	9.5	9.5	9.7	8.60	15.8	24.4	1.90
2338.0	14:40	12.6	55	135	9.5	9.5	9.7	8.60	15.8	24.6	1.89
2340.0	14:50	12.2	55	149	9.5	9.5	9.7	8.60	15.8	23.9	1.93
2342.0	15: 1	11.2	52	129	9.5	9.5	9.7	8.60	15.8	24.6	1.88
1697											
2344.0	15:13	10.0	46	122	9.5	9.5	9.7	8.60	15.8	25.9	1.82
2346.0	15:24	10.6	45	124	9.5	9.5	9.7	8.60	15.8	26.5	1.80
2348.0	15:34	13.4	51	127	9.5	9.5	9.7	8.60	15.8	26.4	1.80
2350.0	15:44	11.9	50	130	9.5	9.5	9.7	8.60	15.8	25.6	1.84
2352.0	15:54	11.4	52	130	9.5	9.4	9.7	8.60	15.8	24.9	1.87
2354.0	16: 4	12.0	54	130	9.5	9.5	9.7	8.60	15.8	25.0	1.88
2356.0	16:16	10.1	51	129	9.5	9.5	9.7	8.60	15.8	24.3	1.90
2358.0	16:27	10.8	49	129	9.5	9.5	9.7	8.60	15.8	25.3	1.86
2360.0	16:38	11.7	51	130	9.5	9.5	9.7	8.60	15.8	25.4	1.85
2362.0	16:48	11.4	51	130	9.5	9.5	9.7	8.60	15.8	25.2	1.86
1710											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1716											
2364.0	17: 0	10.2	56	131	9.5	9.5	9.7	8.60	15.8	23.6	1.96
2366.0	17:12	9.8	52	132	9.5	9.5	9.7	8.60	15.8	23.9	1.93
2368.0	17:22	12.0	51	130	9.5	9.5	9.7	8.60	15.8	25.6	1.85
2370.0	17:33	11.0	53	129	9.5	9.5	9.7	8.60	15.8	24.7	1.89
2372.0	17:45	10.0	53	129	9.5	9.5	9.7	8.60	15.8	24.0	1.93
2374.0	17:58	9.6	54	129	9.5	9.5	9.7	8.60	15.8	23.5	1.96
2386.0	15:13	10.9	45	130	9.5	9.5	9.7	8.60	15.8	26.7	1.82
2388.0	15:25	10.3	39	130	9.5	9.5	9.6	8.60	15.8	28.4	1.76
2390.0	15:37	10.5	52	129	9.5	9.5	9.6	8.60	15.8	24.7	1.91
2392.0	15:47	11.8	52	130	9.5	9.5	9.6	8.60	15.8	25.6	1.87
1736											
2396.0	16:19	12.5	51	127	9.5	9.5	9.6	8.60	15.8	26.2	1.84
2398.0	16:30	11.1	49	128	9.5	9.5	9.6	8.60	15.8	25.9	1.86
2400.0	16:45	8.2	50	129	9.5	9.5	9.6	8.60	15.8	23.3	1.98
2402.0	17: 0	8.1	50	132	9.5	9.5	9.6	8.60	15.8	23.0	1.99
2404.0	17:20	8.6	50	133	9.5	9.5	9.6	8.60	15.8	23.4	1.96
2406.0	17:34	8.5	49	128	9.5	9.5	9.7	8.60	15.8	24.3	1.93
2408.0	17:49	8.1	50	128	9.5	9.5	9.7	8.60	15.8	23.7	1.97
2410.0	18: 3	8.8	51	129	9.5	9.5	9.7	8.60	15.9	24.0	1.95

NEW BIT ID: -1   CORE # 1

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2412.0	0: 6	1.2	20	101	9.4	9.5	9.5	8.60	15.9	15.5	2.19
2414.0	0:24	7.9	20	101	9.4	9.5	9.5	8.60	15.9	29.7	1.64
1760											
2416.0	0:43	6.5	20	101	9.4	9.5	9.5	8.60	15.9	28.3	1.69
2418.0	1:17	3.5	20	102	9.4	9.5	9.5	8.60	15.9	23.6	1.88
2420.0	1:49	3.7	21	103	9.4	9.5	9.5	8.60	15.9	22.4	1.93
2422.0	2:10	5.2	19	104	9.4	9.5	9.5	8.60	15.9	27.1	1.74
2424.0	2:34	6.3	19	105	9.4	9.5	9.5	8.60	15.9	28.6	1.69
2425.0	2:35	7.2	21	106	9.4	9.5	9.5	8.60	15.9	28.4	1.69

NEW BIT ID: -2   CORE # 2

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2426.0	15:47	5.9	5	54	9.4	9.5	9.5	8.60	15.9	49.0	1.12
2430.0	17:56	2.2	26	94	9.4	9.5	9.7	8.60	15.9	17.8	2.15
2432.0	18:50	2.2	28	100	9.4	9.5	9.7	8.60	15.9	16.9	2.21
2434.0	19:32	2.0	27	100	9.4	9.5	9.7	8.60	15.9	16.5	2.22
1792											
2436.0	20:40	1.8	25	100	9.5	9.5	9.7	8.60	15.9	16.8	2.20
2437.0	21:10	2.2	27	101	9.4	9.5	9.8	8.60	15.9	17.4	2.19

NEW BIT ID: 7.

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2438.0	8:42	4.0	44	54	9.4	9.4	9.5	8.60	15.9	23.8	1.86
2440.0	9: 8	9.2	48	54	9.4	9.4	9.5	8.60	15.9	27.3	1.71
244?.0	9:29	6.2	55	60	9.4	9.4	9.5	8.60	15.9	23.8	1.89
2444.0	:51	5.3	55	60	9.4	9.4	9.5	8.60	15.9	22.8	1.94
2446.0	10:??	6.6	55	60	9.4	9.4	9.5	8.60	15.9	24.3	1.88
2448.0	11:??	11.?	56	54	9.4	9.5	9.6	8.60	15.9	31.4	1.54
2452.0	11:53	13.5	54	5?	9.4	9.5	9.6	8.60	15.9	30.6	1.58
1817							9.5	9.6	8.60	15.9	31.0	1.55
2454.0	12: 1	15.6	52	57	9.4	9.5						
2456.0	12: 8	17.6	53	58	9.4	9.5	9.6	8.60	15.9	32.?	1.49
2458.0	13: 9	21.5	52	53	9.4	9.5	9.6	8.60	15.9	32.6	1.48
460.0	13:27	15.7	50	51	9.4	9.5	9.5	8.60	15.9	35.2	1.36
							9.5	8.60	15.9	33.7	1.44

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1825											
2462.0	13:33	18.6	49	58	9.4	9.5	9.5	8.60	15.9	34.2	1.41
2464.0	13:38	24.6	49	58	9.4	9.5	9.5	8.60	15.9	36.3	1.32
2466.0	13:43	23.7	47	58	9.4	9.5	9.5	8.60	15.9	36.7	1.31
2468.0	13:47	28.0	48	59	9.4	9.5	9.5	8.60	15.9	37.5	1.26
2470.0	14: 6	18.6	57	46	9.4	9.5	9.5	8.60	15.9	34.9	1.40
2472.0	14:12	21.7	52	61	9.4	9.5	9.6	8.60	15.9	34.5	1.41
2474.0	14:17	23.9	51	63	9.4	9.5	9.6	8.60	15.9	35.5	1.37
2476.0	14:20	34.6	49	64	9.4	9.5	9.6	8.60	15.9	38.9	1.22
2478.0	14:34	27.6	49	58	9.4	9.5	9.6	8.60	15.9	37.9	1.27
2480.0	14:39	25.1	53	54	9.4	9.5	9.6	8.60	15.9	36.9	1.31
1845											
2482.0	14:46	17.5	50	55	9.4	9.5	9.6	8.60	15.9	34.3	1.42
2484.0	14:53	17.3	50	60	9.4	9.5	9.6	8.60	15.9	33.8	1.45
2486.0	15: 0	18.1	50	60	9.4	9.5	9.6	8.60	16.0	34.0	1.44
2488.0	15:15	15.3	52	56	9.4	9.5	9.6	8.60	16.0	32.9	1.49
2490.0	15:23	13.6	53	61	9.4	9.5	9.6	8.60	16.0	31.3	1.57
2492.0	15:33	13.0	53	63	9.4	9.5	9.6	8.60	16.0	30.8	1.60
2494.0	15:43	11.6	54	63	9.4	9.5	9.5	8.60	16.0	29.6	1.66
2496.0	15:52	13.3	54	61	9.4	9.5	9.5	8.60	16.0	30.8	1.60
2498.0	16:10	14.6	53	58	9.4	9.5	9.5	8.60	16.0	31.8	1.54
2500.0	16:17	15.9	50	61	9.4	9.5	9.5	8.60	16.0	33.0	1.49
1865											
2502.0	16:25	16.2	47	61	9.4	9.5	9.5	8.60	16.0	33.8	1.46
2504.0	16:33	14.9	51	61	9.4	9.5	9.5	8.60	16.0	32.3	1.52
2506.0	16:42	12.8	51	63	9.4	9.5	9.5	8.60	16.0	31.1	1.58
2508.0	16:58	13.8	54	60	9.4	9.5	9.6	8.60	16.0	31.6	1.57
2510.0	17: 6	15.0	50	64	9.4	9.5	9.6	8.60	16.0	32.5	1.53
2512.0	17:13	17.5	48	65	9.4	9.5	9.6	8.60	16.0	34.0	1.46
2514.0	17:20	17.0	44	65	9.4	9.5	9.6	8.60	16.0	35.1	1.42
2516.0	17:39	13.7	47	60	9.4	9.5	9.6	8.60	16.0	33.1	1.51
2518.0	17:51	9.8	50	52	9.4	9.5	9.5	8.60	16.0	30.7	1.61
2520.0	18: 1	15.2	52	52	9.4	9.5	9.5	8.60	16.0	32.7	1.52
1885											
2522.0	18: 7	20.4	51	51	9.4	9.5	9.5	8.60	16.0	36.3	1.35
2524.0	18:16	17.8	51	53	9.4	9.5	9.5	8.60	.0	34.3	1.45
2526.0	18:38	8.7	55	53	9.4	9.5	9.5	8.60	16.0	28.8	1.72
2528.0	18:48	13.3	72	58	9.4	9.5	9.6	8.60	16.0	30.1	1.77
2530.0	18:56	15.8	50	56	9.4	9.5	9.6	8.60	16.0	34.0	1.47
2532.0	19: 5	12.9	48	57	9.4	9.5	9.6	8.60	16.0	32.9	1.53
2534.0	19:13	16.1	51	56	9.4	9.5	9.6	8.60	16.0	34.1	1.47
2536.0	19:42	9.2	52	58	9.4	9.5	9.5	8.60	16.0	29.3	1.70
2538.0	19:56	8.5	54	61	9.4	9.5	9.5	8.60	16.0	28.2	1.76
2540.0	20:11	8.3	52	62	9.4	9.5	9.5	8.60	16.0	28.5	1.75
1905											
2542.0	20:22	10.6	51	61	9.4	9.5	9.5	8.60	16.0	30.4	1.65
2546.0	20:54	7.8	52	60	9.4	9.5	9.6	8.60	16.0	27.9	1.77
2548.0	21: 3	13.4	49	59	9.4	9.5	9.6	8.60	16.0	33.1	1.53
2550.0	21:12	14.2	49	59	9.4	9.5	9.6	8.60	16.0	33.4	1.51
2552.0	21:21	13.5	51	61	9.4	9.5	9.6	8.60	16.0	32.4	1.56
2554.0	21:29	15.6	49	61	9.4	9.5	9.6	8.60	16.0	33.9	1.50
2556.0	21:41	18.5	49	48	9.4	9.5	9.6	8.60	16.0	37.3	1.34
2558.0	21:47	20.2	46	62	9.4	9.5	9.6	8.60	16.0	37.0	1.37
2560.0	21:53	22.4	46	62	9.4	9.5	9.6	8.60	16.0	37.7	1.34
2562.0	21:59	20.9	46	63	9.4	9.5	9.6	8.60	16.0	37.0	1.37
1925											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
1925											
2566.0	22:28	15.3	51	56	9.4	9.5	9.6	8.60	16.1	32.5	1.57
2568.0	22:39	11.5	50	56	9.4	9.5	9.6	8.60	16.1	32.6	1.58
2570.0	22:49	11.6	48	54	9.4	9.5	9.6	8.60	16.1	33.5	1.53
2572.0	23: 0	11.2	50	53	9.4	9.5	9.5	8.60	16.1	32.7	1.57
2574.0	23:11	11.4	51	55	9.4	9.5	9.5	8.60	16.1	32.0	1.60
2576.0	23:39	7.2	51	61	9.4	9.5	9.5	8.60	16.1	27.8	1.81
2578.0	0: 6	4.6	57	65	9.4	9.5	9.5	8.60	16.1	23.7	2.04
2580.0	0:23	7.4	56	65	9.4	9.4	9.5	8.60	16.1	27.0	1.87
2582.0	0:43	6.1	57	65	9.4	9.4	9.5	8.60	16.1	25.9	1.93
2584.0	1:17	12.4	55	65	9.4	9.4	9.5	8.60	16.1	28.9	1.77
1946											
2586.0	1:36	6.3	53	64	9.4	9.4	9.5	8.60	16.1	26.7	1.87
2588.0	1:53	7.4	54	64	9.4	9.4	9.5	8.60	16.1	27.5	1.84
2590.0	2: 9	7.2	56	65	9.4	9.4	9.5	8.60	16.1	27.3	1.86
2592.0	2:33	5.4	53	66	9.4	9.4	9.5	8.60	16.1	25.3	1.94
2594.0	3: 5	5.2	58	63	9.4	9.4	9.5	8.60	16.1	24.8	2.00
2596.0	3:15	12.2	53	61	9.4	9.5	9.5	8.60	16.1	31.9	1.62
2598.0	3:33	6.9	53	62	9.4	9.5	9.5	8.60	16.1	27.6	1.84
2600.0	3:51	7.0	55	61	9.4	9.5	9.5	8.60	16.1	27.4	1.85
2602.0	4: 3	10.3	52	60	9.4	9.5	9.5	8.60	16.1	31.3	1.66
2604.0	4:24	8.7	48	50	9.4	9.5	9.5	8.60	16.1	32.6	1.60
1966											
2606.0	4:41	8.5	49	65	9.4	9.8	9.5	8.60	16.1	29.7	1.75
2608.0	4:59	6.4	52	58	9.4	9.4	9.5	8.60	16.1	28.3	1.81
2610.0	5:25	4.7	53	59	9.4	9.4	9.5	8.60	16.1	25.7	1.95
2612.0	5:42	7.5	47	53	9.4	9.4	9.5	8.60	16.1	31.4	1.67
2614.0	6:19	6.1	49	46	9.4	9.4	9.5	8.60	16.1	29.3	1.77
2616.0	6:36	8.4	52	55	9.4	9.4	9.5	8.60	16.1	30.1	1.74
2618.0	6:57	5.7	55	59	9.4	9.4	9.5	8.60	16.1	26.8	1.91
2620.0	7:26	4.2	50	59	9.4	9.4	9.5	8.60	16.1	25.5	1.96
2622.0	7:39	4.8	51	55	9.4	9.4	9.5	8.60	16.1	26.9	1.89
2624.0	8: 2	5.4	53	58	9.4	9.4	9.5	8.60	16.1	27.0	1.89
1986											
2626.0	8:23	5.8	54	59	9.4	9.4	9.5	8.60	16.1	27.3	1.89
2628.0	8:46	5.8	56	58	9.4	9.4	9.5	8.60	16.1	27.0	1.91
2630.0	9: 8	5.9	55	58	9.4	9.4	9.5	8.60	16.1	27.2	1.90
2632.0	9:27	7.9	58	57	9.4	9.4	9.5	8.60	16.1	29.7	1.80
2634.0	10: 1	3.6	53	60	9.4	9.4	9.5	8.60	16.1	24.0	2.04
2636.0	10:33	5.0	52	62	9.4	9.4	9.5	8.60	16.1	25.6	1.97
2638.0	10:52	9.3	52	63	9.4	9.4	9.5	8.60	16.1	29.5	1.79
2640.0	11:14	6.6	53	61	9.4	9.4	9.5	8.60	16.1	27.9	1.86
2642.0	11:37	7.4	58	58	9.4	9.4	9.5	8.60	16.1	29.2	1.84
2644.0	12: 5	4.6	54	60	9.4	9.4	9.5	8.60	16.2	25.7	1.98
2007											
2646.0	12:17	9.6	56	57	9.4	9.4	9.5	8.60	16.2	31.3	1.71
2648.0	12:34	7.6	55	61	9.4	9.4	9.5	8.60	16.2	29.3	1.81
2650.0	13: 7	3.6	58	63	9.4	9.4	9.5	8.60	16.2	23.4	2.13
2652.0	13:48	3.6	55	60	9.4	9.4	9.5	8.60	16.2	24.1	2.07
2654.0	14: 9	6.1	54	63	9.4	9.4	9.5	8.60	16.2	27.6	1.89
2656.0	14:22	9.5	53	62	9.4	9.4	9.5	8.60	16.2	31.2	1.72
2658.0	14:56	4.0	55	63	9.4	9.4	9.5	8.60	16.2	24.1	2.08
2660.0	15:31	3.4	55	63	9.4	9.4	9.5	8.60	16.2	23.4	2.11
2662.0	16:10	6.6	64	61	9.4	9.4	9.5	8.60	16.2	27.6	1.97
2664.0	16:53	2.7	50	65	9.4	9.4	9.5	8.60	16.2	22.1	2.16
2028											

DEPTH	TIME	ROP	WOB	RPM	MDI	MDO	ECD	PP	FG	POR	DEXP
2028											
2666.0	17:44	2.3	61	50	9.4	9.4	9.5	8.60	16.2	21.4	2.26
2668.0	18:12	4.6	63	48	9.4	9.4	9.5	8.60	16.2	26.6	2.01
2670.0	19: 9	2.7	64	45	9.4	9.4	9.5	8.60	16.2	22.6	2.23
2672.0	19:40	3.6	60	53	9.4	9.4	9.5	8.60	16.2	23.7	2.13
2674.0	20:21	2.8	59	54	9.4	9.4	9.5	8.60	16.2	22.3	2.21
2676.0	20:57	4.2	59	54	9.4	9.4	9.5	8.60	16.2	25.0	2.07
2678.0	21:46	2.2	61	56	9.4	9.4	9.5	8.60	16.2	20.8	2.31
2680.0	22:21	4.3	63	47	9.4	9.4	9.5	8.60	16.2	26.7	2.02
2682.0	23:18	2.0	61	49	9.4	9.4	9.5	8.60	16.2	21.1	2.28
2684.0	0:13	2.1	61	49	9.4	9.4	9.5	8.60	16.2	21.6	2.27
2059											
2685.0	0:45	1.9	64	49	9.4	9.4	9.5	8.60	16.2	20.5	2.36

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

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
240.0	0: 0	1.19	17	24	.00	.37	3	2	1222	.0	1
244.0	0: 3	1.10	17	21	.00	.37	3	2	1222	.0	1
256.0	0:10	.85	17	20	.00	.37	3	2	1276	.0	3
260.0	0:11	.36	17	20	.00	.37	3	2	1001	.0	1
280.0	0:21	.42	19	20	.00	.36	3	2	1227	.0	3
286.0	0:24	.76	20	20	.00	.33	3	2	1320	.0	2
290.0	0:25	.83	21	20	.00	.31	3	2	1330	.0	1
294.0	0:27	.61	22	21	.00	.28	3	2	1330	.0	1
300.0	0:30	.95	22	22	.00	.28	3	2	1330	.0	2
304.0	0:31	.45	21	22	.00	.28	3	2	1330	.0	1
84											
310.0	0:34	1.33	18	22	.00	.28	3	2	1330	.0	1
320.0	0:38	1.29	20	20	.00	.28	3	2	1322	.0	1
330.0	0:39	1.11	19	18	.00	.28	3	2	1322	.0	2
332.0	0:40	1.30	20	19	.00	.28	3	2	1300	.0	1
352.0	0:45	.85	20	21	.00	.28	5	3	1308	.0	1
360.0	0:46	.83	20	21	.00	.28	5	3	1308	.0	2
362.0	0:47	.71	21	21	.00	.28	5	3	1308	.0	2
364.0	0:47	.67	21	21	.00	.29	5	3	1308	.0	2
366.0	0:48	.88	21	22	.00	.29	5	3	1308	.0	2
370.0	0:49	.77	21	22	.00	.29	5	3	1308	.0	3
101											
372.0	0:50	1.15	22	23	.00	.29	5	3	1305	.0	2
374.0	0:50	1.17	22	23	.00	.29	5	3	1302	.0	2
376.0	0:51	1.13	23	23	.00	.29	5	3	1302	.0	2
378.0	0:52	.86	23	23	.00	.29	5	3	1302	.0	2
380.0	0:52	1.17	23	23	.00	.29	5	3	1302	.0	2
382.0	0:53	1.04	22	23	.00	.29	7	4	1289	.0	2
390.0	0:55	1.24	21	23	.00	.29	7	4	1288	.0	3
394.0	0:56	1.42	21	23	.00	.29	7	4	1284	.0	2
396.0	0:58	2.18	21	23	.00	.29	7	4	1288	.0	2
398.0	1: 0	2.16	21	23	.00	.29	7	4	1288	.0	2
122											
400.0	1: 0	1.93	20	21	.00	.29	7	4	1288	.0	2
402.0	1: 1	1.79	19	21	.00	.29	7	4	1288	.0	2
406.0	1: 2	1.68	19	20	.00	.29	7	4	1288	.0	3
408.0	1: 2	1.71	19	20	.00	.29	7	4	1288	.0	2
410.0	1: 3	1.75	20	20	.00	.29	7	4	1291	.0	2
412.0	1: 3	1.67	20	20	.00	.29	7	4	1291	.0	2
414.0	1: 4	1.91	20	20	.00	.29	7	4	1291	.0	2
416.0	1: 4	2.04	20	20	.00	.29	7	4	1282	.0	2
420.0	1: 6	1.71	20	20	.00	.29	7	4	1274	.0	1
422.0	1: 7	1.92	22	23	.00	.29	7	4	1274	.0	1
142											
424.0	1: 8	1.88	22	23	.00	.29	7	4	1274	.0	1
426.0	1:11	2.26	22	23	.00	.29	7	4	1274	.0	1
428.0	1:12	2.00	22	23	.00	.29	7	4	1274	.0	1
430.0	1:14	1.94	22	23	.00	.29	7	4	1274	.0	1
432.0	1:15	1.85	22	23	.00	.29	7	4	1274	.0	1
434.0	1:16	2.27	22	23	.00	.29	7	4	1274	.0	1
436.0	1:19	2.12	21	21	.00	.29	7	4	1274	.0	1

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
149											
438.0	1:23	2.69	21	21	.00	.29	7	4	1274	.0	1
440.0	1:26	2.68	21	21	.00	.29	7	4	1274	.0	1
442.0	1:28	2.52	21	21	.00	.30	7	4	1270	.0	1
444.0	1:30	2.42	21	21	.00	.30	7	4	1270	.0	1
446.0	1:32	2.51	19	21	.00	.30	7	4	1270	.0	1
448.0	1:34	2.46	19	20	.00	.30	7	4	1270	.0	1
450.0	1:36	2.44	19	20	.00	.30	7	4	1270	.0	1
452.0	1:38	2.49	19	20	.00	.30	7	4	1270	.0	1
454.0	1:40	2.45	19	20	.00	.30	7	4	1270	.0	1
456.0	1:42	2.53	19	20	.00	.30	7	4	1270	.0	1
159											
458.0	1:45	2.60	19	20	.00	.30	7	4	1270	.0	1
460.0	1:49	2.89	19	20	.00	.30	7	4	1270	.0	1
462.0	1:50	2.23	19	20	.00	.30	7	4	1270	.0	1
464.0	1:53	2.43	19	20	.00	.29	7	4	1270	.0	1
466.0	1:54	2.17	19	20	.00	.29	7	4	1270	.0	1
468.0	1:56	2.37	19	20	.00	.29	7	4	1270	.0	1
472.0	2: 0	2.44	19	20	.00	.29	7	4	1270	.0	1
474.0	2: 2	2.04	19	20	.00	.29	7	4	1270	.0	1
478.0	2: 5	2.07	19	20	.00	.29	7	4	1270	.0	1
480.0	2: 7	2.40	19	20	.00	.29	7	4	1270	.0	1
169											
482.0	2: 9	2.42	24	25	.00	.29	7	4	1270	.0	1
484.0	2:11	2.07	24	25	.00	.29	7	4	1270	.0	1
486.0	2:12	2.10	24	25	.00	.29	7	4	1270	.0	1
488.0	2:14	2.24	24	25	.00	.29	7	4	1270	.0	1
490.0	2:16	1.95	23	24	.00	.29	7	4	1270	.0	1
492.0	2:17	1.93	23	24	.00	.29	7	4	1270	.0	1
494.0	2:18	1.88	23	24	.00	.29	7	4	1270	.0	1
496.0	2:20	1.93	23	24	.00	.29	7	4	1270	.0	1
498.0	2:21	1.95	23	24	.00	.29	7	4	1270	.0	1
500.0	2:22	1.94	23	24	.00	.29	7	4	1270	.0	1
179											
502.0	2:24	2.15	22	24	.00	.29	7	4	1270	.0	1
504.0	2:25	2.23	22	24	.00	.29	7	4	1270	.0	1
506.0	2:26	2.07	22	24	.00	.30	7	4	1270	.0	1
508.0	2:28	1.95	22	24	.00	.30	7	4	1270	.0	1
510.0	2:30	1.84	23	25	.00	.30	7	4	1270	.0	1
512.0	2:31	1.54	23	25	.00	.30	7	4	1270	.0	1
514.0	2:33	1.67	23	25	.00	.30	7	4	1270	.0	1
516.0	2:35	2.30	23	25	.00	.30	7	4	1270	.0	1
518.0	2:37	2.24	23	25	.00	.30	7	4	1266	.0	1
520.0	2:39	2.26	23	25	.00	.30	7	4	1266	.0	1
189											
522.0	2:41	2.06	23	25	.00	.30	7	4	1266	.0	1
524.0	2:44	2.44	23	25	.00	.30	7	4	1266	.0	1
526.0	2:46	2.01	23	25	.00	.30	7	4	1266	.0	1
528.0	2:47	2.10	23	25	.00	.30	7	4	1266	.0	1
530.0	2:49	2.16	24	25	.00	.30	7	4	1266	.0	1
532.0	2:51	2.24	24	25	.00	.30	7	4	1266	.0	1
534.0	2:53	2.32	24	25	.00	.30	7	4	1266	.0	1
536.0	2:55	2.49	24	25	.00	.30	7	4	1266	.0	1
538.0	2:58	2.71	24	25	.00	.30	7	4	1266	.0	1
540.0	3: 1	2.70	24	25	.00	.30	7	4	1263	.0	1
199											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	199										
542.0	3: 1	2.63	24	25	.00	.30	7	4	1263	.0	1
544.0	3: 4	2.66	24	25	.00	.30	7	4	1263	.0	1
546.0	3: 8	2.78	24	25	.00	.30	7	4	1263	.0	1
548.0	3:13	2.98	24	25	.00	.30	7	4	1263	.0	1
550.0	3:16	2.69	24	26	.00	.30	7	4	1263	.0	1
552.0	3:20	2.80	24	26	.00	.30	7	4	1263	.0	1
554.0	3:33	2.95	24	26	.00	.30	7	4	1263	.0	1
556.0	3:46	3.03	24	26	.00	.30	7	4	1263	.0	1
558.0	3:57	2.93	24	26	.00	.35	7	4	1263	.0	1
560.0	4: 3	2.92	26	26	.00	.35	7	4	1263	.0	1
	209										
562.0	4: 7	2.94	26	26	.00	.40	7	4	1259	.0	1
564.0	4:11	2.82	26	26	.00	.40	7	4	1259	.0	1
566.0	4:12	2.55	26	26	.00	.40	7	4	1259	.0	1
568.0	4:15	2.71	26	26	.00	.38	7	4	1259	.0	1
570.0	4:18	2.60	26	27	.00	.38	7	4	1259	.0	1
572.0	4:19	2.57	26	27	.00	.38	7	4	1259	.0	1
574.0	4:21	2.58	26	27	.00	.33	7	4	1259	.0	1
576.0	4:23	2.67	26	27	.00	.33	7	4	1259	.0	1
578.0	4:24	2.68	26	27	.00	.33	7	4	1259	.0	1
580.0	4:26	2.44	28	28	.00	.33	7	4	1259	.0	1
	219										
582.0	4:28	2.39	28	28	.00	.33	7	4	1259	.0	1
584.0	4:30	2.57	28	28	.00	.33	7	4	1256	.0	1
586.0	4:32	2.45	28	28	.00	.33	7	4	1256	.0	1
588.0	4:34	2.38	28	28	.00	.33	7	4	1256	.0	1
590.0	4:39	2.68	28	29	.00	.33	7	4	1256	.0	1
592.0	4:44	3.07	28	29	.00	.37	7	4	1256	.0	1
594.0	4:48	3.14	28	29	.00	.37	7	4	1256	.0	1
596.0	4:51	2.57	28	29	.00	.37	7	4	1256	.0	1
598.0	4:53	2.83	28	29	.00	.46	7	4	1256	.0	1
600.0	4:57	2.40	28	30	.00	.46	7	4	1256	.0	1
	229										
602.0	5: 0	2.30	28	30	.00	.46	7	4	1256	.0	1
604.0	5: 3	2.67	28	30	.00	.48	7	4	1256	.0	1
606.0	5: 5	2.75	28	30	.00	.48	7	4	1252	.0	1
610.0	5:10	2.56	28	30	.00	.48	7	4	1252	.0	1
612.0	5:14	2.87	28	30	.00	.48	7	4	1252	.0	1
614.0	5:16	2.71	28	30	.00	.48	7	4	1252	.0	1
616.0	5:18	2.53	28	30	.00	.48	7	4	1252	.0	1
618.0	5:21	2.39	28	30	.00	.48	7	4	1252	.0	1
620.0	5:24	2.41	29	30	.00	.51	7	4	1252	.0	1
622.0	5:26	2.33	29	30	.00	.51	7	4	1252	.0	1
	239										
624.0	5:30	2.47	29	30	.00	.51	7	4	1252	.0	1
626.0	5:32	2.41	29	30	.00	.51	7	4	1252	.0	1
628.0	5:34	2.54	29	30	.00	.52	7	4	1249	.0	1
630.0	5:37	2.38	30	31	.00	.52	7	4	1249	.0	1
634.0	5:46	3.02	30	31	.00	.52	7	4	1249	.0	1
638.0	5:50	2.19	30	31	.00	.52	7	4	1249	.0	1
640.0	5:52	2.21	30	31	.00	.52	7	4	1249	.0	1
642.0	5:55	2.40	30	31	.00	.52	7	4	1249	.0	1
644.0	5:57	2.40	30	31	.00	.52	7	4	1249	.0	1
646.0	6: 0	2.59	30	31	.00	.52	7	4	1249	.0	1
	249										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
249											
648.0	6: 3	2.61	30	31	.00	.52	7	4	1249	.0	1
650.0	6: 5	2.44	30	31	.00	.52	7	4	1245	.0	1
652.0	6: 7	2.48	30	32	.00	.52	7	4	1245	.0	1
654.0	6:11	2.87	30	32	.00	.52	7	4	1245	.0	1
656.0	6:14	2.79	30	32	.00	.52	7	4	1245	.0	1
658.0	6:17	2.78	30	32	.00	.52	7	4	1245	.0	1
660.0	6:19	2.81	31	32	.00	.52	7	4	1245	.0	1
662.0	6:21	2.83	31	32	.00	.52	7	4	1245	.0	1
664.0	6:23	2.68	31	32	.00	.52	7	4	1245	.0	1
666.0	6:26	2.76	31	32	.00	.52	7	4	1245	.0	1
259											
668.0	6:28	2.65	31	32	.00	.52	7	4	1245	.0	1
670.0	6:30	2.65	31	32	.00	.52	7	4	1245	.0	1
672.0	6:32	2.65	31	33	.00	.52	7	4	1242	.0	1
674.0	6:34	2.68	31	33	.00	.52	7	4	1242	.0	1
676.0	6:36	2.25	31	33	.00	.52	7	4	1242	.0	1
680.0	6:40	2.58	31	32	.00	.52	7	4	1242	.0	1
682.0	6:42	2.64	31	32	.00	.52	7	4	1242	.0	1
684.0	6:45	2.57	31	32	.00	.52	7	4	1242	.0	1
686.0	6:48	2.83	31	32	.00	.52	7	4	1242	.0	1
688.0	6:51	2.77	31	32	.00	.52	7	4	1242	.0	1
269											
690.0	6:54	2.82	31	32	.00	.52	7	4	1242	.0	1
692.0	6:56	2.80	31	32	.00	.52	7	4	1242	.0	1
696.0	7: 1	2.69	31	32	.00	.51	7	4	1238	.0	1
700.0	7: 6	2.71	31	33	.00	.51	7	4	1238	.0	1
702.0	7: 9	2.70	31	33	.00	.51	7	4	1238	.0	1
704.0	7:12	2.55	31	33	.00	.51	7	4	1238	.0	1
706.0	7:14	3.06	31	33	.00	.51	7	4	1238	.0	1
708.0	7:17	2.68	31	33	.00	.51	7	4	1238	.0	1
710.0	7:19	2.68	33	34	.00	.51	7	4	1238	.0	1
712.0	7:22	2.76	33	34	.00	.51	7	4	1238	.0	1
279											
714.0	7:24	2.80	33	34	.00	.51	7	4	1238	.0	1
716.0	7:26	2.49	33	34	.00	.51	7	4	1238	.0	1
720.0	7:31	2.80	33	34	.00	.51	7	4	1235	.0	1
722.0	7:33	2.82	33	34	.00	.51	7	4	1235	.0	1
724.0	7:36	2.88	33	34	.00	.51	7	4	1235	.0	1
726.0	7:39	2.89	33	34	.00	.51	7	4	1235	.0	1
728.0	7:42	2.96	33	34	.00	.51	7	4	1235	.0	1
730.0	7:46	3.04	33	35	.00	.51	7	4	1235	.0	1
732.0	7:51	3.18	33	35	.00	.51	7	4	1235	.0	1
734.0	7:56	3.20	33	35	.00	.51	7	4	1235	.0	1
289											
736.0	7:58	2.50	33	35	.00	.51	7	4	1235	.0	1
738.0	8: 2	2.99	33	35	.00	.51	7	4	1235	.0	1
740.0	8: 5	2.99	34	35	.00	.51	7	4	1235	.0	1
742.0	8: 7	2.69	34	35	.00	.51	7	4	1231	.0	1
744.0	8: 9	2.64	34	35	.00	.51	7	4	1231	.0	1
746.0	8:12	2.65	34	35	.00	.51	7	4	1231	.0	1
750.0	8:15	2.52	34	35	.00	.51	7	4	1231	.0	1
752.0	8:19	3.03	34	35	.00	.51	7	4	1231	.0	1
754.0	8:22	2.67	34	35	.00	.51	7	4	1231	.0	1
756.0	8:25	2.68	34	35	.00	.51	7	4	1231	.0	1
299											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
299											
758.0	8:29	2.97	34	35	.00	.51	7	4	1231	.0	1
760.0	8:34	3.12	35	36	.00	.51	7	4	1231	.0	1
762.0	8:38	3.05	35	36	.00	.51	7	4	1231	.0	1
764.0	8:41	2.92	35	36	.00	.51	7	4	1228	.0	1
768.0	8:48	2.96	35	36	.00	.51	7	4	1228	.0	1
770.0	8:52	3.12	36	37	.00	.51	7	4	1228	.0	1
772.0	8:57	3.10	36	37	.00	.51	7	4	1228	.0	1
774.0	9: 1	3.09	36	37	.00	.51	7	4	1228	.0	1
776.0	9: 6	3.14	36	37	.00	.51	7	4	1228	.0	1
778.0	9:13	3.24	36	37	.00	.51	7	4	1228	.0	1
309											
780.0	9:18	3.21	37	38	.00	.51	7	4	1228	.0	1
782.0	9:22	3.14	37	38	.00	.51	7	4	1228	.0	1
784.0	9:27	3.30	37	38	.00	.51	7	4	1228	.0	1
786.0	9:31	3.11	37	38	.00	.51	7	4	1225	.0	1
788.0	9:35	3.22	37	38	.00	.51	7	4	1225	.0	1
790.0	9:43	2.42	38	39	.00	.51	7	4	1225	.0	1
792.0	9:50	2.51	38	39	.00	.50	7	4	1225	.0	1
794.0	9:57	2.89	38	39	.00	.50	7	4	1225	.0	1
796.0	10: 3	2.93	38	39	.00	.50	7	4	1225	.0	1
798.0	10: 8	2.64	38	39	.00	.50	7	4	1225	.0	1
319											
800.0	10:13	2.57	38	38	.00	.50	7	4	1225	.0	1
802.0	10:20	3.10	38	38	.00	.50	7	4	1216	.0	1
804.0	10:26	3.30	38	38	.00	.50	7	4	1216	.0	1
806.0	10:36	3.03	38	38	.00	.50	7	4	1216	.0	1
808.0	10:42	3.10	38	38	.00	.50	7	4	1216	.0	1
810.0	10:48	3.09	39	40	.00	.50	7	4	1216	.0	1
812.0	10:54	2.87	39	40	.00	.50	7	4	1216	.0	1
814.0	11: 0	3.25	39	40	.00	.50	7	4	1216	.0	1
816.0	11: 5	3.20	39	40	.00	.50	7	4	1216	.0	1
818.0	11:15	3.45	39	40	.00	.49	7	4	1216	.0	1
329											
820.0	11:23	3.26	39	40	.00	.49	7	4	1216	.0	1
822.0	11:28	3.18	41	41	.00	.49	7	4	1216	.0	1
824.0	11:32	3.14	41	41	.00	.49	7	4	1212	.0	1
826.0	11:35	3.13	41	41	.00	.49	7	4	1212	.0	1
828.0	11:39	3.21	41	41	.00	.49	7	4	1212	.0	1
830.0	11:43	3.15	41	41	.00	.49	7	4	1212	.0	1
832.0	11:48	3.00	41	41	.00	.49	7	4	1212	.0	1
834.0	11:53	3.27	41	41	.00	.49	7	4	1212	.0	1
836.0	11:59	3.23	41	41	.00	.49	7	4	1212	.0	1
838.0	12: 4	3.24	41	41	.00	.49	7	4	1212	.0	1
339											
840.0	12: 9	3.16	41	43	.00	.49	7	4	1212	.0	1
842.0	12:14	2.96	41	43	.00	.48	7	4	1212	.0	1
844.0	12:18	3.03	41	43	.00	.48	7	4	1212	.0	1
846.0	12:22	3.03	41	43	.00	.48	7	4	1209	.0	1
848.0	12:25	2.66	41	43	.00	.48	7	4	1209	.0	1
850.0	12:27	2.72	41	43	.00	.48	7	4	1209	.0	1
852.0	12:30	2.72	42	43	.00	.48	7	4	1209	.0	1
854.0	12:32	2.43	42	43	.00	.48	7	4	1209	.0	1
856.0	12:36	2.98	42	43	.00	.48	7	4	1209	.0	1
858.0	12:39	2.97	42	43	.00	.48	7	4	1209	.0	1
349											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
349											
860.0	12:44	3.13	42	44	.00	.48	7	4	1209	.0	1
862.0	12:49	3.10	42	44	.00	.48	7	4	1209	.0	1
864.0	12:54	3.26	42	44	.00	.48	7	4	1209	.0	1
866.0	12:59	3.27	42	44	.00	.48	7	4	1209	.0	1

NEW BIT ID   3

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
872.0	21:20	3.76	37	39	.00	.31	6	4	1018	.0	2
874.0	21:32	3.71	38	40	.00	.31	6	4	1074	.0	2
882.0	0:41	3.85	38	41	.00	.33	6	4	1306	.0	2
884.0	0:47	3.81	39	42	.00	.31	6	4	1304	.0	2
886.0	0:52	3.64	40	41	.00	.32	6	4	1300	.0	2
888.0	0:55	3.49	40	42	.00	.32	6	4	1300	.0	2
369											
890.0	1:14	3.58	40	42	.00	.32	6	4	1302	.0	2
892.0	1:18	3.60	40	42	.00	.32	6	4	1304	.0	2
894.0	1:24	3.73	41	43	.00	.32	6	4	1304	.0	2
896.0	1:30	3.74	41	43	.00	.33	6	4	1302	.0	2
898.0	1:46	3.58	41	43	.00	.33	6	4	1299	.0	2
900.0	1:49	3.45	41	43	.00	.33	6	4	1316	.0	2
902.0	1:53	3.73	41	43	.00	.33	6	4	1316	.0	2
904.0	1:56	3.67	41	43	.00	.33	6	4	1316	.0	2
906.0	1:58	3.62	41	43	.00	.33	6	4	1316	.0	2
918.0	2:46	3.76	42	43	.00	.34	6	4	1316	.0	3
390											
920.0	2:50	3.76	43	43	.00	.35	6	4	1312	.0	2
922.0	2:54	3.71	43	43	.00	.35	6	4	1316	.0	2
924.0	3: 2	3.97	43	44	.00	.35	6	4	1316	.0	2
926.0	3: 8	3.86	43	44	.00	.35	6	4	1316	.0	2
928.0	3:20	3.78	43	44	.00	.35	6	4	1310	.0	2
930.0	3:25	3.70	43	44	.00	.35	6	4	1304	.0	2
932.0	3:29	3.73	44	45	.00	.35	6	4	1304	.0	2
934.0	3:34	3.87	44	45	.00	.35	6	4	1304	.0	2
936.0	3:39	3.98	45	45	.00	.34	6	4	1304	.0	2
938.0	3:50	4.02	45	45	.00	.35	6	4	1312	.0	2
410											
940.0	3:54	3.92	44	45	.00	.35	6	4	1294	.0	2
942.0	3:59	3.97	44	45	.00	.35	6	4	1303	.0	2
944.0	4: 3	4.00	44	45	.00	.35	6	4	1312	.0	2
946.0	4: 8	4.02	44	45	.00	.35	6	4	1312	.0	2
948.0	4:25	4.10	44	44	.00	.37	6	4	844	.0	2
950.0	4:33	3.94	44	42	.00	.38	6	4	752	.0	2
952.0	4:40	3.98	44	42	.00	.38	6	4	752	.0	2
954.0	4:47	4.01	43	42	.00	.38	6	4	1076	.0	2
956.0	5: 3	4.04	43	42	.00	.37	6	4	1310	.0	2
958.0	5: 8	4.06	43	41	.00	.38	6	4	1300	.0	2
430											
960.0	5:12	4.00	43	42	.00	.38	6	4	1302	.0	2
962.0	5:17	4.01	43	42	.00	.38	6	4	1304	.0	2
964.0	5:21	3.96	43	42	.00	.38	6	4	1304	.0	2
970.0	5:45	3.94	43	42	.00	.38	6	4	1296	.0	3
972.0	5:51	3.95	43	42	.00	.39	6	4	1286	.0	2
974.0	5:56	4.00	43	42	.00	.39	6	4	1290	.0	2
976.0	6:11	4.02	43	41	.00	.39	6	4	1290	.0	2
978.0	6:16	4.04	43	42	.00	.38	6	4	1295	.0	2
980.0	6:21	3.99	43	42	.00	.36	6	4	1295	.0	2
982.0	6:26	4.00	43	42	.00	.34	6	4	1295	.0	2
451											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
451
984.0	6:49	4.11	44	42	.00	.34	6	4	1212	.0	2
986.0	6:54	4.02	43	41	.00	.37	6	4	1308	.0	2
988.0	7: 0	4.09	43	42	.00	.36	6	4	1303	.0	2
990.0	7: 4	3.94	43	42	.00	.33	6	4	1301	.0	2
992.0	7: 8	4.02	43	42	.00	.32	6	4	1218	.0	2
994.0	7:21	4.04	43	41	.00	.32	6	4	1288	.0	2
996.0	7:25	3.98	43	42	.00	.33	6	4	1269	.0	2
998.0	7:30	4.03	43	41	.00	.36	6	4	1269	.0	2
1000.0	7:35	3.92	43	42	.00	.36	6	4	1269	.0	2
1002.0	7:40	4.01	43	42	.00	.35	6	4	1269	.0	2
471
1004.0	7:55	4.01	43	41	.00	.35	6	4	1269	.0	2
1006.0	8: 1	4.14	42	41	.00	.35	6	4	1269	.0	2
1008.0	8: 7	4.11	43	42	.00	.35	6	4	1269	.0	2
1010.0	8:13	4.07	44	42	.00	.36	6	4	1269	.0	2
1012.0	8:19	4.05	44	42	.00	.36	6	4	1269	.0	2
1014.0	8:36	4.07	43	42	.00	.36	6	4	1269	.0	2
1016.0	8:42	4.10	43	42	.00	.36	6	4	1269	.0	2
1018.0	8:50	4.11	43	41	.00	.37	6	4	1269	.0	2
1020.0	8:55	4.05	43	42	.00	.37	6	4	1269	.0	2
1024.0	9:16	3.86	43	43	.00	.37	6	4	1269	.0	2
491
1026.0	9:23	4.01	43	43	.00	.37	6	4	1269	.0	2
1028.0	9:29	3.98	43	43	.00	.38	6	4	1269	.0	2
1029.0	9:33	4.12	43	43	.00	.38	6	4	1269	.0	1

NEW BIT ID: 4

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1032.0	14:49	3.95	32	39	.00	.42	12	7	1217	.0	1
1034.0	14:52	3.80	32	39	.00	.41	12	7	1217	.0	2
1036.0	14:56	3.84	33	39	.00	.42	12	7	1217	.0	2
1038.0	14:59	3.81	34	38	.00	.55	12	7	1217	.0	2
1040.0	15: 2	3.81	35	38	.00	.43	12	7	1217	.0	2
1042.0	15:12	3.59	38	37	.00	.44	12	7	1217	.0	1
1044.0	15:16	3.89	38	37	.00	.44	12	7	1217	.0	2
512
1046.0	15:21	3.72	38	37	.00	.47	12	7	1217	.0	2
1048.0	15:26	3.94	37	36	.00	.49	12	7	1217	.0	2
1050.0	15:30	3.91	35	35	.00	.49	12	7	1217	.0	2
1052.0	15:42	3.93	35	34	.00	.50	12	7	1217	.0	2
1054.0	15:45	3.86	35	33	.00	.51	12	7	1217	.0	2
1056.0	15:49	3.87	35	33	.00	.50	12	7	1217	.0	2
1058.0	15:53	3.91	36	34	.00	.50	12	7	1217	.0	2
1060.0	15:57	3.85	35	34	.00	.50	12	7	1217	.0	2
1062.0	16: 8	3.89	34	33	.00	.50	12	7	1217	.0	2
1064.0	16:12	3.92	34	33	.00	.52	12	7	1217	.0	2
532
1066.0	16:16	3.92	34	33	.00	.52	12	7	1112	.0	2
1068.0	16:26	3.97	34	34	.00	.52	12	7	966	.0	2
1070.0	16:30	3.91	34	35	.00	.55	12	7	966	.0	2
1072.0	16:42	3.93	34	34	.00	.55	12	7	966	.0	2
1074.0	16:46	3.93	34	35	.00	.54	12	7	966	.0	2
1076.0	16:50	3.88	34	35	.00	.51	12	7	966	.0	2
1078.0	16:53	3.86	34	35	.00	.52	12	7	966	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
546											
1080.0	17: 4	3.90	35	35	.00	.52	12	7	966	.0	2
1082.0	17: 8	3.83	35	34	.00	.54	12	7	1185	.0	2
1084.0	17:12	3.84	35	35	.00	.52	12	7	1198	.0	2
1086.0	17:15	3.80	35	35	.00	.53	12	7	1198	.0	2
1088.0	17:21	4.00	35	35	.00	.58	12	7	1198	.0	2
1090.0	17:33	3.85	34	34	.00	.58	12	7	1198	.0	2
1092.0	17:37	3.89	34	35	.00	.61	12	7	1198	.0	2
1094.0	17:42	3.93	34	35	.00	.61	12	7	1164	.0	2
1096.0	17:46	3.97	34	35	.00	.61	12	7	975	.0	2
1098.0	17:52	4.00	34	35	.00	.60	12	7	975	.0	2
566											
1100.0	18: 9	3.95	33	35	.00	.58	12	7	975	.0	2
1102.0	18:13	3.90	33	34	.00	.55	12	7	972	.0	2
1104.0	18:17	3.91	32	34	.00	.55	12	7	972	.0	2
1106.0	18:21	3.86	33	34	.00	.56	12	7	972	.0	2
1108.0	18:24	3.88	33	34	.00	.56	12	7	972	.0	2
1110.0	18:36	3.87	34	33	.00	.57	12	7	1256	.0	2
1112.0	18:40	3.86	34	35	.00	.54	12	7	1168	.0	2
1114.0	18:44	3.89	34	35	.00	.56	12	7	1158	.0	2
1116.0	18:47	3.83	34	35	.00	.55	12	7	1158	.0	2
1118.0	18:50	3.78	34	35	.00	.55	12	7	1158	.0	2
586											
1120.0	19: 3	3.89	35	34	.00	.56	12	7	1158	.0	2
1122.0	19: 8	3.94	35	35	.00	.56	12	7	1158	.0	2
1124.0	19:11	3.82	35	35	.00	.55	12	7	1158	.0	2
1128.0	19:25	3.89	34	35	.00	.56	12	7	1158	.0	3
1130.0	19:31	4.01	34	35	.00	.57	12	7	1158	.0	2
1132.0	19:35	3.93	35	36	.00	.56	12	7	1158	.0	2
1134.0	19:41	4.03	36	36	.00	.56	10	7	1147	.0	2
1136.0	19:46	3.97	36	36	.00	.56	8	7	1136	.0	2
1138.0	20: 5	4.09	35	35	.00	.57	8	7	1196	.0	2
1140.0	20:10	3.97	36	36	.00	.55	8	7	1198	.0	2
607											
1142.0	20:15	3.92	36	37	.00	.56	8	7	1200	.0	2
1144.0	20:19	3.96	36	36	.00	.55	8	7	1200	.0	2
1148.0	20:36	3.96	36	36	.00	.57	8	7	760	.0	3
1150.0	20:41	3.97	36	36	.00	.55	8	7	1088	.0	2
1152.0	20:47	3.97	37	37	.00	.55	8	7	1140	.0	2
1154.0	20:52	3.94	37	37	.00	.55	8	7	1140	.0	2
1156.0	21: 4	3.99	37	37	.00	.55	8	7	1140	.0	2
1158.0	21: 9	3.92	37	36	.00	.56	8	7	1140	.0	2
1160.0	21:14	3.97	37	37	.00	.54	8	7	1140	.0	2
1162.0	21:19	3.96	37	37	.00	.50	8	7	1140	.0	2
628											
1164.0	21:24	3.92	37	39	.00	.48	8	7	1140	.0	2
1166.0	21:33	3.74	38	39	.00	.52	8	7	1140	.0	1
1168.0	21:38	3.91	38	39	.00	.53	8	7	1140	.0	2
1170.0	21:43	3.96	38	39	.00	.54	8	7	1138	.0	2
1172.0	21:47	3.92	37	39	.00	.49	8	7	1258	.0	2
1174.0	21:53	3.99	37	39	.00	.48	8	7	1136	.0	1
1176.0	22: 0	3.59	37	39	.00	.47	8	7	1136	.0	2
1178.0	22: 5	3.88	39	39	.00	.49	8	7	1136	.0	2
1180.0	22:13	4.11	39	38	.00	.47	8	7	1136	.0	2
1182.0	22:18	3.95	38	38	.00	.49	8	7	1136	.0	2
646											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
	646										
1184.0	22:22	3.90	38	38	.00	.49	8	7	1136	.0	2
1186.0	22:35	3.97	38	39	.00	.47	8	7	1134	.0	2
1188.0	22:39	3.88	39	39	.00	.46	8	7	1132	.0	2
1190.0	22:43	3.94	39	39	.00	.45	8	7	1128	.0	2
1192.0	22:48	4.01	39	39	.00	.45	8	7	1128	.0	2
1194.0	22:54	4.01	39	39	.00	.45	8	7	1128	.0	2
1196.0	23: 9	4.01	39	39	.00	.50	8	7	1128	.0	2
1198.0	23:14	3.96	40	40	.00	.48	8	7	1128	.0	2
1200.0	23:19	4.00	40	40	.00	.48	8	7	1128	.0	2
1202.0	23:26	4.12	39	40	.00	.48	8	7	1128	.0	2
	666										
1204.0	23:37	3.87	39	41	.00	.47	8	7	1128	.0	2
1206.0	23:43	3.96	40	41	.00	.48	8	7	1125	.0	2
1208.0	23:50	4.01	40	41	.00	.47	8	7	1125	.0	2
1210.0	23:55	3.95	40	41	.00	.47	8	7	1134	.0	2
1212.0	0: 1	4.02	39	41	.00	.48	8	7	1123	.0	2
1214.0	0:18	3.92	40	41	.00	.48	8	7	1123	.0	2
1216.0	0:24	3.95	40	41	.00	.48	8	7	1123	.0	2
1218.0	0:29	4.02	40	41	.00	.49	8	7	1123	.0	2
1220.0	0:36	4.05	40	41	.00	.52	8	7	1123	.0	2
1222.0	0:42	3.97	39	41	.00	.55	8	7	1123	.0	2
	686										
1224.0	0:55	3.99	40	41	.00	.51	8	7	1123	.0	2
1226.0	1: 2	4.10	40	41	.00	.49	8	7	1123	.0	2
1228.0	1: 9	4.07	40	41	.00	.51	8	7	1123	.0	2
1230.0	1:16	4.09	40	41	.00	.53	8	7	1123	.0	2
1232.0	1:23	4.02	40	41	.00	.63	8	7	1123	.0	2
1234.0	1:40	3.99	40	41	.00	.60	8	7	1123	.0	2
1236.0	1:46	4.00	41	41	.00	.55	8	7	1123	.0	2
1238.0	1:52	4.11	40	41	.00	.61	8	7	1123	.0	2
1240.0	1:59	4.12	40	41	.00	.69	8	7	1123	.0	2
1242.0	2: 6	4.15	40	41	.00	.73	8	7	1123	.0	2
	706										
1244.0	2:19	4.00	39	41	.00	.65	8	7	1123	.0	2
1246.0	2:25	4.08	39	41	.00	.63	8	7	1121	.0	2
1248.0	2:31	4.01	39	41	.00	.68	8	7	1106	.0	2
1250.0	2:35	3.94	39	41	.00	.73	8	7	1106	.0	2
1252.0	2:46	4.00	39	41	.00	.68	8	7	1110	.0	2
1254.0	2:53	4.06	40	41	.00	.56	8	7	1110	.0	2
1256.0	3: 0	4.10	40	41	.00	.64	8	7	1110	.0	2
1258.0	3: 7	4.07	39	41	.00	.72	8	7	1110	.0	2
1260.0	3:14	4.11	39	41	.00	.76	8	7	1110	.0	2
1262.0	3:28	4.14	40	41	.00	.74	8	7	1110	.0	2
	726										
1264.0	3:34	4.01	39	41	.00	.63	8	7	1110	.0	2
1266.0	3:41	4.07	38	41	.00	.70	8	7	1110	.0	2
1268.0	3:48	4.08	38	41	.00	.86	8	7	1110	.0	2
1272.0	4:14	3.95	39	41	.00	.86	8	7	1112	.0	2
1274.0	4:20	4.04	39	41	.00	.85	8	7	1114	.0	2
1276.0	4:27	4.08	39	41	.00	.91	8	7	1114	.0	2
1280.0	4:41	3.88	40	41	.00	.90	8	7	1114	.0	3
1282.0	4:48	4.07	40	41	.00	.87	8	7	1114	.0	2
1284.0	4:55	4.06	40	41	.00	.89	8	7	1114	.0	2
1286.0	5: 0	3.99	40	41	.00	.91	8	7	1114	.0	2
	747										

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
747											
1290.0	5:17	3.94	40	41	.00	.83	8	7	1114	.0	3
1292.0	5:23	4.06	41	41	.00	.71	8	7	1114	.0	2
1294.0	5:29	4.04	40	41	.00	.83	8	7	1114	.0	2
1296.0	5:35	4.01	40	41	.00	.89	8	7	1114	.0	2
1298.0	5:41	4.00	40	41	.00	.93	8	7	1111	.0	2
1300.0	5:55	4.00	40	41	.00	.85	8	7	1111	.0	2
1302.0	6: 2	4.06	39	41	.00	.84	8	7	1111	.0	2
1304.0	6: 7	3.99	39	41	.00	.89	8	7	1111	.0	2
1306.0	6:11	3.86	40	41	.00	.90	8	7	1111	.0	2
1308.0	6:26	4.03	40	41	.00	.86	8	7	1111	.0	2
768											
1310.0	6:32	4.09	41	41	.00	.77	8	7	1111	.0	2
1312.0	6:40	4.13	40	41	.00	.86	8	7	1111	.0	2
1314.0	6:46	4.08	40	41	.00	.91	8	7	1111	.0	2
1318.0	7: 2	4.00	41	41	.00	.79	8	7	1108	.0	3
1320.0	7: 7	3.94	42	41	.00	.66	8	7	1107	.0	2
1322.0	7:12	4.02	41	42	.00	.80	8	7	1107	.0	2
1324.0	7:19	4.09	41	42	.00	.84	8	7	1107	.0	2
1326.0	7:25	4.03	41	42	.00	.87	8	7	1107	.0	2
1330.0	8: 4	4.00	40	42	.00	.84	8	7	1107	.0	3
1332.0	8:10	3.99	39	42	.00	.83	8	7	1105	.0	2
790											
1334.0	8:15	4.00	40	42	.00	.87	8	7	1102	.0	2
1336.0	8:19	3.90	41	42	.00	.87	8	7	1103	.0	2
1338.0	8:24	3.95	42	42	.00	.87	8	7	1103	.0	2
1340.0	8:36	3.94	41	42	.00	.75	8	7	1103	.0	2
1342.0	8:42	3.98	41	42	.00	.68	8	7	1103	.0	2
1344.0	8:46	3.90	40	42	.00	.78	8	7	1103	.0	2
1346.0	8:51	3.90	41	42	.00	.84	8	7	1103	.0	2
1348.0	9: 7	4.00	42	43	.00	.74	8	7	1103	.0	2
1350.0	9:13	4.03	42	43	.00	.74	8	7	1103	.0	2
1352.0	9:20	4.04	41	43	.00	.82	8	7	1103	.0	2
810											
1354.0	9:26	4.04	42	43	.00	.83	8	7	1103	.0	2
1356.0	9:31	3.95	42	43	.00	.83	8	7	1103	.0	2
1358.0	9:47	3.97	43	44	.00	.76	8	7	1103	.0	2
1360.0	9:53	4.01	43	44	.00	.73	8	7	1103	.0	2
1362.0	9:59	3.99	43	44	.00	.82	8	7	1103	.0	2
1364.0	10: 3	3.89	43	44	.00	.83	8	7	1103	.0	2
1366.0	10:17	3.91	42	44	.00	.75	8	7	1099	.0	2
1368.0	10:21	3.89	42	44	.00	.78	8	7	1096	.0	2
1370.0	10:26	3.93	42	44	.00	.81	8	7	1096	.0	2
1372.0	10:31	3.97	42	44	.00	.81	8	7	1096	.0	2
830											
1376.0	10:49	4.02	43	44	.00	.78	8	7	1098	.0	3
1378.0	10:55	4.06	43	44	.00	.79	8	7	1099	.0	2
1380.0	11: 2	4.07	43	44	.00	.80	8	7	1099	.0	2
1382.0	11: 7	3.94	43	44	.00	.81	8	7	1099	.0	2
1384.0	11:12	3.96	42	44	.00	.82	8	7	1099	.0	2
1386.0	11:30	4.08	43	44	.00	.79	8	7	1099	.0	2
1388.0	11:36	4.04	43	44	.00	.81	8	7	1099	.0	2
1390.0	11:42	4.01	44	44	.00	.80	8	7	1099	.0	2
1392.0	11:47	3.92	44	44	.00	.81	8	7	1097	.0	2
1394.0	11:54	3.94	43	44	.00	.78	8	7	1095	.0	1
850											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
850											
1396.0	11:58	3.88	42	44	.00	.65	8	7	1095	.0	2
1398.0	12: 2	3.77	43	44	.00	.72	8	7	1095	.0	2
1400.0	12: 6	3.89	43	44	.00	.77	8	7	1095	.0	2
1402.0	12:13	4.05	43	44	.00	.78	8	7	1095	.0	2
1404.0	12:23	3.86	43	44	.00	.71	8	7	1095	.0	2
1406.0	12:29	3.99	43	44	.00	.74	8	7	1095	.0	2
1408.0	12:34	3.99	42	44	.00	.79	8	7	1095	.0	2
1410.0	12:41	4.04	42	44	.00	.80	8	7	1092	.0	2
1412.0	12:46	3.94	42	44	.00	.80	8	7	1092	.0	2
1414.0	12:55	3.95	42	44	.00	.80	8	7	1092	.0	2
870											
1416.0	13: 1	3.98	43	44	.00	.64	8	7	1089	.0	2
1418.0	13: 6	3.95	43	44	.00	.73	8	7	1087	.0	2
1420.0	13:11	3.93	43	44	.00	.74	8	7	1087	.0	2
1422.0	13:15	3.85	43	44	.00	.75	8	7	1087	.0	2
1424.0	13:29	3.84	43	44	.00	.73	10	9	1076	.0	2
1426.0	13:35	3.97	42	44	.00	.67	11	10	1068	.0	2
1428.0	13:41	4.03	41	42	.00	.68	11	10	1070	.0	2
1430.0	13:47	4.01	41	42	.00	.69	11	10	1069	.0	2
1432.0	14: 2	4.03	41	42	.00	.67	11	10	1067	.0	2
1434.0	14: 7	3.95	40	41	.00	.66	11	10	1061	.0	2
890											
1436.0	14:12	3.93	40	41	.00	.69	11	10	1059	.0	2
1438.0	14:18	4.03	39	40	.00	.69	11	10	1057	.0	2
1440.0	14:23	3.98	40	40	.00	.69	11	10	1057	.0	2
1442.0	14:35	3.90	39	40	.00	.74	11	10	1056	.0	2
1444.0	14:39	3.88	38	40	.00	.76	11	10	1054	.0	2
1446.0	14:44	3.95	38	40	.00	.77	11	10	1054	.0	2
1448.0	14:49	3.98	38	40	.00	.77	11	10	1054	.0	2
1452.0	15: 6	4.12	39	40	.00	.80	11	10	1054	.0	3
1454.0	15:12	4.04	39	40	.00	.83	11	10	1054	.0	2
1456.0	15:18	3.99	38	39	.00	.87	11	10	1040	.0	2
911											
1458.0	15:22	3.94	38	39	.00	.91	11	10	1030	.0	2
1460.0	15:29	4.04	38	39	.00	.92	11	10	1028	.0	2
1462.0	15:46	4.15	37	38	.00	.97	11	10	1028	.0	2
1464.0	15:53	4.08	37	39	.00	.98	11	10	1050	.0	2
1466.0	15:58	3.99	37	38	.00	.99	11	10	1030	.0	2
1468.0	16: 4	3.99	37	38	.00	.99	11	10	1026	.0	2
1470.0	16:17	4.05	37	38	.00	1.00	11	10	1026	.0	2
1472.0	16:26	4.18	37	38	.00	1.03	11	10	1019	.0	2
1474.0	16:33	4.13	37	38	.00	1.04	11	10	1019	.0	2
1476.0	16:39	4.05	37	38	.00	1.03	11	10	1019	.0	2
931											
1480.0	16:54	4.00	37	38	.00	1.05	11	10	1022	.0	3
1482.0	17: 1	4.11	37	38	.00	1.06	11	10	1027	.0	2
1484.0	17: 9	4.17	37	38	.00	1.08	11	10	1023	.0	2
1486.0	17:16	4.17	37	38	.00	1.09	11	10	1023	.0	2
1488.0	17:24	4.13	37	38	.00	1.13	11	10	1023	.0	2
1490.0	17:49	4.10	37	38	.00	.98	11	10	1054	.0	2
1492.0	17:56	4.09	37	38	.00	1.02	11	10	1063	.0	2
1494.0	18: 3	4.11	38	38	.00	1.02	11	10	1063	.0	2
1496.0	18:10	4.10	38	38	.00	1.02	11	10	1063	.0	2
1498.0	18:23	4.10	38	38	.00	1.04	11	10	1063	.0	2
952											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
	952										
1500.0	18:29	4.11	38	38	.00	1.09	11	10	1063	.0	2
1502.0	18:35	4.04	38	38	.00	1.09	11	10	1060	.0	2
1504.0	18:41	4.05	38	38	.00	1.09	11	10	1060	.0	2
1506.0	18:46	-.02	38	38	.00	1.09	11	10	1060	.0	2
1508.0	19: 3	4.02	38	38	.00	1.09	11	10	1060	.0	2
1510.0	19: 8	4.01	38	38	.00	1.11	11	10	1060	.0	2
1512.0	19:14	4.05	38	38	.00	1.11	11	10	1060	.0	2
1514.0	19:21	4.09	38	38	.00	1.11	11	10	1060	.0	2
1516.0	19:36	4.12	38	38	.00	1.10	11	10	1060	.0	2
1518.0	19:53	4.16	39	38	.00	1.02	11	10	1060	.0	2
	972										
1520.0	20: 0	4.13	40	39	.00	1.04	11	10	1060	.0	2
1522.0	20: 7	4.12	40	39	.00	1.06	11	10	1060	.0	2
1524.0	20:15	4.19	40	39	.00	2.10	11	10	1060	.0	2
1526.0	20:27	4.17	41	39	.00	1.02	11	10	1060	.0	2
1528.0	20:36	4.20	41	39	.00	1.05	11	10	1060	.0	2
1530.0	20:42	4.12	41	39	.00	1.09	11	10	1060	.0	2
1532.0	20:50	4.17	41	39	.00	1.09	11	10	1060	.0	2
1534.0	20:57	4.16	41	39	.00	1.09	11	10	1060	.0	2
1536.0	21:12	4.16	41	39	.00	1.09	11	10	1060	.0	2
1538.0	21:19	4.12	41	39	.00	1.11	11	10	1064	.0	2
	992										
1540.0	21:26	4.13	41	39	.00	1.12	11	10	1064	.0	2
1542.0	21:33	4.14	41	39	.00	1.11	11	10	1064	.0	2
1544.0	21:49	4.19	41	39	.00	.95	11	10	1064	.0	2
1546.0	21:59	4.18	42	39	.00	.90	11	10	1064	.0	2
1548.0	22: 7	4.25	42	40	.00	.97	11	10	1064	.0	2
1550.0	22:15	4.15	41	40	.00	.96	11	10	1064	.0	2
1552.0	22:23	4.19	44	40	.00	.96	11	10	1064	.0	2
1556.0	22:45	4.16	44	40	.00	.93	11	10	1078	.0	3
1558.0	22:51	4.05	44	40	.00	.85	11	8	1090	.0	2
1560.0	22:58	4.08	44	43	.00	1.02	11	8	1094	.0	2
	1013										
1562.0	23: 6	4.15	44	44	.00	1.04	11	8	1087	.0	2
1564.0	23:18	4.11	44	44	.00	1.06	11	8	1061	.0	2
1566.0	23:26	4.15	43	43	.00	1.04	11	8	1050	.0	2
1568.0	23:35	4.18	43	43	.00	1.07	11	8	1064	.0	2
1570.0	23:43	4.19	43	43	.00	1.08	11	8	1047	.0	2
1572.0	23:51	4.16	43	43	.00	1.12	11	8	1034	.0	2
1574.0	0: 9	4.16	42	43	.00	1.11	11	8	1001	.0	2
1576.0	0:16	4.09	42	43	.00	1.06	11	8	990	.0	2
1578.0	0:22	4.03	42	44	.00	1.09	11	8	1048	.0	2
1580.0	0:28	4.06	43	44	.00	1.11	11	8	1029	.0	2
	1033										
1582.0	0:35	4.04	43	44	.00	1.11	11	8	1090	.0	2
1584.0	0:51	4.09	43	43	.00	.97	11	8	907	.0	2
1586.0	0:59	4.19	42	42	.00	.70	11	8	547	.0	2
1588.0	1:10	4.18	42	42	.00	.70	11	8	775	.0	2
1590.0	1:17	4.07	42	43	.00	.82	11	8	1027	.0	2
1592.0	1:24	4.04	42	43	.00	.93	11	8	1024	.0	2
1594.0	1:34	3.97	42	43	.00	.89	11	8	1009	.0	2
1596.0	1:40	3.99	42	43	.00	.92	11	8	1037	.0	2
1598.0	1:47	4.06	42	43	.00	.87	11	8	1066	.0	2
1600.0	1:55	4.13	42	43	.00	.83	11	8	1057	.0	2
	1053										

DEPTH	TIME	RS	MTI	MTO	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
1053											
1602.0	2: 2	4.11	42	43	.00	.82	11	8	1055	.0	2
1604.0	2:14	4.01	42	43	.00	.71	11	8	1003	.0	2
1606.0	2:21	4.01	42	43	.00	.71	11	8	1045	.0	2
1608.0	2:29	4.12	42	43	.00	.92	11	8	1060	.0	2
1610.0	2:37	4.08	42	43	.00	.96	11	8	1019	.0	2
1611.0	2:40	4.07	43	43	.00	.97	11	8	1016	.0	1

NEW BIT ID: 5

DEPTH	TIME	RS	MTI	MTO	GAS	MRO	YPM	PVM	MVI	MDOV	RECDS
1622.0	10:27	4.07	40	40	.00	.69	12	7	900	.0	1
1624.0	10:32	4.00	41	40	.00	.70	12	7	902	.0	2
1626.0	10:37	3.97	41	41	.00	.70	12	7	908	.0	2
1628.0	10:41	3.99	41	41	.00	.69	12	7	930	.0	2
1075											
1630.0	10:46	3.99	41	41	.00	.69	12	7	945	.0	2
1632.0	10:56	3.94	40	41	.00	.69	12	7	946	.0	2
1634.0	11: 0	3.94	40	41	.00	.69	12	7	928	.0	2
1636.0	11: 4	3.90	41	42	.00	.69	12	7	927	.0	2
1638.0	11: 9	3.94	41	42	.00	.69	12	7	910	.0	2
1640.0	11:13	3.91	42	42	.00	.69	12	7	903	.0	2
1642.0	11:25	4.00	42	42	.00	.70	12	7	900	.0	2
1644.0	11:30	3.99	41	41	.00	.71	12	7	907	.0	2
1646.0	11:34	3.93	41	41	.00	.71	12	7	934	.0	2
1648.0	11:38	3.99	41	41	.00	.71	12	7	885	.0	2
1095											
1650.0	11:50	4.07	42	42	.00	.69	12	7	859	.0	2
1652.0	11:54	3.97	43	42	.00	.69	12	7	966	.0	2
1654.0	11:58	3.99	43	43	.00	.69	12	7	962	.0	2
1656.0	12: 2	4.01	43	42	.00	.70	12	7	945	.0	2
1658.0	12: 6	4.02	43	42	.00	.70	12	7	936	.0	2
1660.0	12:10	3.99	43	42	.00	.71	12	7	928	.0	2
1662.0	12:22	4.02	43	42	.00	.70	12	7	1030	.0	2
1664.0	12:26	3.99	43	42	.00	.70	12	7	1043	.0	2
1666.0	12:30	3.98	43	42	.00	.70	12	7	1040	.0	2
1670.0	12:41	3.95	43	42	.00	.70	12	7	1027	.0	2
1115											
1672.0	12:45	4.02	42	42	.00	.71	12	7	1040	.0	2
1674.0	12:50	3.99	42	42	.00	.72	12	7	1076	.0	2
1676.0	12:53	3.93	42	42	.00	.72	12	7	1059	.0	2
1678.0	12:58	3.94	42	42	.00	.73	12	7	1077	.0	2
1680.0	13:10	3.96	42	42	.00	.73	12	7	1054	.0	2
1682.0	13:17	3.98	41	42	.00	.72	12	7	1027	.0	2
1684.0	13:21	3.99	41	42	.00	.71	12	7	1028	.0	2
1686.0	13:26	4.01	42	42	.00	.70	12	7	1002	.0	2
1688.0	13:31	3.93	41	42	.00	.71	12	7	1002	.0	2
1690.0	13:51	3.98	41	42	.00	.72	12	7	969	.0	1
1134											
1692.0	13:54	3.86	41	41	.00	.73	12	7	977	.0	2
1694.0	13:59	3.94	41	42	.00	.74	12	7	1000	.0	2
1696.0	14: 4	4.01	41	42	.00	.75	12	7	1003	.0	2
1698.0	14:20	3.89	42	42	.00	.73	12	7	1024	.0	1
1700.0	14:25	3.98	43	42	.00	.68	12	7	962	.0	2
1702.0	14:30	3.94	43	42	.00	.69	12	7	955	.0	2
1704.0	14:34	3.90	42	43	.00	.71	12	7	968	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
1147											
1706.0	14:39	3.97	42	43	.00	.73	12	7	977	.0	2
1708.0	14:54	3.86	42	43	.00	.73	12	7	1051	.0	2
1710.0	14:59	3.88	42	42	.00	.73	12	7	1058	.0	2
1712.0	15: 3	3.87	43	43	.00	.74	12	7	1062	.0	2
1714.0	15: 7	3.90	44	43	.00	.76	12	7	1059	.0	2
1716.0	15:12	3.96	44	43	.00	.81	12	7	967	.0	2
1718.0	15:27	3.97	44	43	.00	.73	12	7	968	.0	2
1720.0	15:32	3.92	44	43	.00	.72	12	7	634	.0	2
1722.0	15:35	3.84	44	43	.00	.73	12	7	988	.0	2
1724.0	15:39	3.89	44	43	.00	.79	12	7	1069	.0	2
1167											
1726.0	15:43	3.89	44	43	.00	.89	12	7	1079	.0	2
1728.0	15:56	3.89	44	43	.00	.78	12	7	1058	.0	2
1730.0	15:59	3.78	44	43	.00	.79	12	7	1061	.0	2
1732.0	16: 3	3.89	43	43	.00	.86	12	7	1065	.0	2
1734.0	16: 8	3.96	43	43	.00	.96	12	7	1060	.0	2
1736.0	16:21	3.95	43	43	.00	1.01	12	7	1049	.0	2
1738.0	16:26	3.99	44	43	.00	.73	12	7	682	.0	2
1740.0	16:30	3.89	44	43	.00	.81	12	7	1066	.0	2
1742.0	16:34	3.86	43	42	.00	.91	12	7	948	.0	2
1744.0	16:39	3.97	43	42	.00	.75	12	7	550	.0	2
1187											
1746.0	16:56	3.97	43	41	.00	.76	12	7	562	.0	2
1748.0	16:59	3.86	43	42	.00	.73	12	7	563	.0	2
1750.0	17: 3	3.88	43	41	.00	.73	12	7	568	.0	2
1752.0	17: 7	3.81	43	41	.00	.74	12	7	658	.0	2
1754.0	17:11	3.90	43	42	.00	.75	12	7	1010	.0	2
1756.0	17:24	3.80	42	42	.00	.87	12	7	1046	.0	2
1758.0	17:27	3.83	42	41	.00	.91	12	7	1039	.0	2
1760.0	17:31	3.85	42	42	.00	1.05	12	7	1060	.0	2
1762.0	17:34	3.71	42	42	.00	1.06	12	7	1037	.0	2
1764.0	17:37	3.69	42	42	.00	1.06	12	7	1029	.0	2
1207											
1766.0	17:52	3.85	42	42	.00	.96	12	7	1025	.0	2
1768.0	17:55	3.73	43	42	.00	.87	12	7	1039	.0	2
1770.0	17:58	3.79	44	42	.00	.91	12	7	1031	.0	2
1772.0	18: 1	3.77	44	42	.00	.93	12	7	1067	.0	2
1774.0	18: 4	3.82	44	42	.00	.94	12	7	1073	.0	2
1776.0	18:18	3.88	43	42	.00	.83	12	7	1032	.0	2
1778.0	18:22	3.87	43	42	.00	.81	12	7	1035	.0	2
1780.0	18:25	3.79	43	42	.00	.89	12	7	1037	.0	2
1782.0	18:28	3.85	43	42	.00	.88	12	7	1037	.0	2
1784.0	18:31	3.82	43	42	.00	.91	12	7	1043	.0	2
1227											
1786.0	18:44	3.86	44	43	.00	.78	13	11	985	.0	2
1788.0	18:47	3.86	44	43	.00	.85	13	11	998	.0	2
1790.0	18:50	3.82	43	43	.00	.87	13	11	996	.0	2
1792.0	18:54	3.85	43	43	.00	.88	13	11	995	.0	2
1794.0	19: 8	3.88	43	43	.00	.88	13	11	1004	.0	2
1796.0	19:12	3.90	44	43	.00	.77	13	11	973	.0	2
1798.0	19:20	3.91	45	44	.00	.87	13	11	981	.0	2
1800.0	19:25	4.00	44	43	.00	.89	13	11	1000	.0	2
1802.0	19:30	4.03	44	44	.00	.89	13	11	990	.0	2
1804.0	19:44	3.92	44	44	.00	.83	13	11	993	.0	2
1247											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1247											
1806.0	19:48	3.92	45	44	.00	.83	13	11	1005	.0	2
1808.0	19:53	4.01	46	44	.00	.87	13	11	1000	.0	2
1810.0	19:58	4.00	45	44	.00	.88	13	11	1006	.0	2
1812.0	20: 1	3.90	45	44	.00	1.42	13	11	1004	.0	2
1814.0	20:15	3.92	45	44	.00	1.18	13	11	996	.0	2
1816.0	20:19	3.96	45	44	.00	1.69	13	11	995	.0	2
1818.0	20:24	4.04	45	44	.00	.83	13	11	998	.0	2
1820.0	20:29	4.01	45	44	.00	.83	13	11	1002	.0	2
1822.0	20:33	3.97	45	45	.00	.83	13	11	1005	.0	2
1824.0	20:50	4.08	45	45	.00	.77	13	11	1000	.0	
1267											
1826.0	20:54	3.99	45	44	.00	.75	13	11	995	.0	2
1828.0	20:59	3.93	45	44	.00	.75	13	11	997	.0	2
1830.0	21: 3	3.93	45	44	.00	.76	13	11	986	.0	3
1842.0	21:56	3.98	45	44	.00	.74	13	11	998	.0	2
1844.0	22: 2	4.06	45	44	.00	.73	13	11	1002	.0	2
1846.0	22: 8	4.07	46	44	.00	.74	13	11	1004	.0	2
1848.0	22:15	4.15	46	44	.00	.74	13	11	1005	.0	2
1850.0	22:23	4.21	46	44	.00	.75	13	11	984	.0	2
1852.0	22:40	4.09	46	45	.00	.66	13	11	986	.0	2
1854.0	22:46	4.08	46	44	.00	.61	13	11	1001	.0	
1288											
1856.0	22:52	4.06	46	44	.00	.61	13	11	997	.0	2
1858.0	22:58	4.08	46	44	.00	.60	13	11	1001	.0	2
1860.0	23: 4	4.10	46	44	.00	.58	13	11	1000	.0	2
1862.0	23:19	4.03	46	44	.00	.56	13	11	998	.0	2
1864.0	23:25	4.08	46	43	.00	.56	13	11	1013	.0	2
1866.0	23:30	4.01	46	43	.00	.57	13	11	1013	.0	2
1868.0	23:36	4.12	46	43	.00	.58	13	11	1014	.0	3
1872.0	23:56	4.00	45	43	.00	.57	13	11	1019	.0	2
1874.0	0: 2	4.00	45	43	.00	.56	13	11	1011	.0	
1876.0	0: 6	3.95	45	43	.00	.55	13	11	997	.0	
1309											
1878.0	0:11	3.98	45	43	.00	.52	13	11	997	.0	2
1880.0	0:24	3.98	45	43	.00	.50	13	11	1003	.0	2
1882.0	0:28	3.95	46	43	.00	.52	13	11	1001	.0	2
1884.0	0:33	4.01	46	43	.00	.54	13	11	988	.0	2
1886.0	0:38	3.99	46	43	.00	.56	13	11	1018	.0	2
1888.0	0:50	4.07	46	43	.00	.55	13	11	1024	.0	2
1890.0	0:54	3.93	46	43	.00	.58	13	11	1005	.0	2
1892.0	0:59	3.91	45	43	.00	.58	13	11	1013	.0	2
1894.0	1: 4	4.00	45	43	.00	.56	13	11	1016	.0	
1896.0	1: 9	3.99	45	44	.00	.54	13	11	1010	.0	
1329											
1898.0	1:19	3.92	45	43	.00	.54	13	11	1016	.0	2
1900.0	1:24	3.95	45	43	.00	.55	13	11	997	.0	2
1902.0	1:29	3.98	45	43	.00	.56	13	11	1004	.0	2
1904.0	1:34	4.00	45	43	.00	.56	13	11	998	.0	
1906.0	1:41	4.05	45	45	.00	.56	13	11	1005	.0	2
1908.0	1:51	3.92	45	45	.00	.55	13	11	1009	.0	2
1910.0	1:55	3.91	45	45	.00	.55	13	11	1010	.0	2
1912.0	2: 1	4.01	45	45	.00	.55	13	11	1013	.0	2
1914.0	2: 9	4.18	45	45	.00	.55	13	11	1013	.0	2
1916.0	2:14	4.04	45	45	.00	.56	13	11	1011	.0	2
1349											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1349											
1918.0	2:26	4.00	45	43	.00	.57	13	11	1007	.0	2
1920.0	2:31	4.03	44	44	.00	.62	13	11	1009	.0	2
1922.0	2:36	4.00	45	44	.00	.69	13	11	992	.0	2
1924.0	2:41	3.96	45	45	.00	.71	13	11	996	.0	2
1926.0	2:52	3.94	45	44	.00	.67	13	11	991	.0	2
1928.0	2:59	4.16	45	44	.00	.60	13	11	988	.0	2
1930.0	3: 7	4.18	45	44	.00	.67	13	11	997	.0	2
1932.0	3:13	4.07	45	45	.00	.68	13	11	1000	.0	2
1934.0	3:20	4.12	45	46	.00	.68	13	11	993	.0	2
1936.0	3:34	4.17	46	46	.00	.66	13	11	991	.0	2
1369											
1938.0	3:42	4.18	45	47	.00	.57	13	11	995	.0	2
1940.0	3:52	4.28	46	48	.00	.63	13	11	1002	.0	2
1942.0	4: 0	4.20	47	49	.00	.65	13	11	1008	.0	2
1944.0	4: 9	4.25	48	49	.00	.66	13	11	1019	.0	2
1946.0	4:23	4.18	48	48	.00	.62	13	11	1001	.0	2
1948.0	4:29	4.01	48	48	.00	.60	16	12	983	.0	2
1950.0	4:34	4.00	48	48	.00	.64	18	12	990	.0	2
1952.0	4:39	3.97	48	48	.00	.65	18	12	985	.0	2
1954.0	4:44	4.01	48	48	.00	.65	18	12	985	.0	2
1956.0	4:57	3.97	48	48	.00	.65	18	12	988	.0	2
1389											
1958.0	5: 2	3.94	48	47	.00	.65	18	12	996	.0	2
1960.0	5: 7	4.01	48	48	.00	.65	18	12	997	.0	2
1962.0	5:12	3.98	48	48	.00	.66	18	12	997	.0	2
1964.0	5:17	4.01	48	48	.00	.66	18	12	997	.0	2
1966.0	5:30	3.91	49	48	.00	.55	18	12	1004	.0	2
1968.0	5:36	4.02	49	48	.00	.61	18	12	996	.0	2
1970.0	5:42	4.07	49	48	.00	.62	18	12	998	.0	2
1972.0	5:48	4.04	48	49	.00	.62	18	12	997	.0	2
1974.0	6: 1	4.12	48	49	.00	.62	18	12	1006	.0	2
1976.0	6: 8	4.05	48	48	.00	.58	18	12	989	.0	2
1409											
1978.0	6:12	3.92	48	48	.00	.59	18	12	987	.0	2
1980.0	6:17	3.97	49	48	.00	.59	18	12	980	.0	2
1982.0	6:22	3.97	49	49	.00	.59	18	12	995	.0	2
1984.0	6:36	4.01	49	49	.00	.54	18	12	988	.0	2
1986.0	6:42	4.04	49	49	.00	.56	18	12	1011	.0	2
1988.0	6:48	4.07	49	49	.00	.57	18	12	1017	.0	2
1990.0	6:55	4.08	49	49	.00	.57	18	12	1021	.0	2
1992.0	7: 3	4.16	49	49	.00	.58	18	12	1021	.0	2
1994.0	7:18	4.00	49	48	.00	.56	18	12	1003	.0	2
1996.0	7:26	4.18	49	49	.00	.58	18	12	1020	.0	2
1429											
1998.0	7:33	4.09	49	49	.00	.58	18	12	1024	.0	2
2000.0	7:39	4.06	49	49	.00	.58	18	12	1028	.0	2
2002.0	7:46	4.12	50	49	.00	.59	18	12	1024	.0	2
2004.0	8: 4	4.19	50	50	.00	.59	18	12	1011	.0	2
2006.0	8: 9"	4.01	50	49	.00	.60	18	12	1003	.0	2
2008.0	8:15	4.04	50	49	.00	.60	18	12	1005	.0	2
2010.0	8:21	4.08	50	49	.00	.60	18	12	1006	.0	2
2016.0	8:43	3.85	50	49	.00	.60	18	12	1002	.0	3
2018.0	8:47	3.92	50	50	.00	.60	18	12	998	.0	2
2020.0	8:52	4.03	50	50	.00	.60	18	12	1000	.0	2
1450											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1450											
2022.0	9: 4	3.98	50	50	.00	.60	18	12	1003	.0	2
2024.0	9: 9	3.97	50	49	.00	.60	18	12	996	.0	2
2026.0	9:14	3.98	50	50	.00	.60	18	12	989	.0	2
2028.0	9:18	3.95	50	50	.00	.61	18	12	986	.0	2
2030.0	9:22	3.92	50	50	.00	.61	18	12	986	.0	2
2032.0	9:34	3.92	50	50	.00	.61	18	12	996	.0	2
2034.0	9:39	4.01	50	50	.00	.61	18	12	1011	.0	2
2036.0	9:44	4.01	50	50	.00	.61	18	12	1011	.0	2
2038.0	9:50	4.06	50	50	.00	1.56	18	12	1009	.0	2
2040.0	9:57	4.14	51	51	.00	.40	18	12	1013	.0	2
1470											
2042.0	10:14	4.21	51	51	.00	.40	18	12	1013	.0	2
2044.0	10:20	4.04	51	50	.00	.39	18	12	1013	.0	2
2046.0	10:26	4.05	51	50	.00	.39	18	12	1013	.0	2
2048.0	10:31	4.03	51	50	.00	.40	18	12	1013	.0	2
2050.0	10:36	3.98	51	50	.00	.40	18	12	1013	.0	2
2052.0	10:49	4.10	50	50	.00	.41	18	12	1009	.0	2
2054.0	11: 0	4.15	50	49	.00	.41	18	12	697	.0	2
2056.0	11: 8	4.23	50	48	.00	.41	18	12	580	.0	2
2058.0	11:16	4.25	50	48	.00	.42	18	12	586	.0	2
2060.0	11:27	3.87	49	47	.00	.44	18	12	596	.0	1
1489											
2062.0	11:36	4.05	48	46	.00	.46	18	12	694	.0	2
2064.0	11:42	4.03	48	47	.00	.48	18	12	1006	.0	2
2066.0	11:49	4.13	47	48	.00	.48	18	12	999	.0	2
2076.0	19: 8	3.95	43	44	.00	.54	18	12	994	.0	1
2078.0	19:15	4.00	43	44	.00	.56	18	12	992	.0	2
2080.0	19:33	4.05	42	41	.00	.61	18	12	998	.0	2
2082.0	19:41	4.06	41	42	.00	.64	18	12	998	.0	2
2084.0	19:50	4.06	41	42	.00	.63	18	12	993	.0	2
2086.0	19:59	4.08	41	43	.00	.60	18	12	996	.0	3
2090.0	20:21	4.03	41	42	.00	.58	18	12	996	.0	
1509											
2092.0	20:32	4.06	42	42	.00	.60	18	12	976	.0	2
2094.0	20:41	4.03	42	42	.00	.63	18	12	967	.0	2
2096.0	20:51	4.08	42	42	.00	.65	18	12	988	.0	2
2098.0	21:10	3.98	42	42	.00	.68	18	12	990	.0	2
2100.0	21:18	4.00	41	43	.00	.68	18	12	999	.0	2
2102.0	21:28	4.13	42	43	.00	.68	18	12	970	.0	2
2104.0	21:38	4.05	42	42	.00	.71	18	12	721	.0	2
2106.0	21:47	4.07	42	40	.00	.71	18	12	579	.0	2
2108.0	22: 4	4.13	41	40	.00	.72	18	12	671	.0	2
2110.0	22:11	3.98	40	42	.00	.73	18	12	991	.0	2
1529											
2112.0	22:18	3.97	40	42	.00	.73	18	12	991	.0	2
2114.0	22:27	4.02	41	42	.00	.73	18	12	983	.0	2
2116.0	22:34	4.02	41	42	.00	.73	18	12	982	.0	2
2118.0	22:49	3.78	41	40	.00	.74	18	12	985	.0	1
2120.0	22:57	4.03	41	41	.00	.74	18	12	986	.0	2
2122.0	23: 6	4.10	41	41	.00	.75	18	12	989	.0	2
2124.0	23:15	4.12	41	41	.00	.74	18	12	993	.0	2
2126.0	23:24	4.14	41	42	.00	.74	18	12	993	.0	2
2127.0	23:29	4.13	41	43	.00	.73	18	12	988	.0	1

NEW BIT ID: 6

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1549											
2144.0	0: 9	4.20	38	36	.00	.00	18	10	935	.0	2
2150.0	0:38	4.27	37	36	.00	.00	18	10	935	.0	1
2152.0	0:50	4.21	38	36	.00	.00	18	10	935	.0	2
2154.0	1: 2	4.16	38	36	.00	.00	18	10	933	.0	2
2156.0	2:20	5.18	38	38	.00	.00	18	10	884	.0	2
2158.0	3:34	4.99	40	33	.00	.00	18	10	875	.0	2
2160.0	3:38	3.91	41	40	.00	.00	18	10	904	.0	2
2162.0	3:43	4.00	43	40	.00	.00	18	10	899	.0	1
2164.0	3:48	4.06	43	40	.00	.00	18	10	902	.0	2
2166.0	3:56	4.17	43	41	.00	.00	18	10	897	.0	2
1567											
2168.0	4: 6	4.32	43	40	.00	.00	18	10	884	.0	2
2170.0	4:14	4.18	42	41	.00	.00	18	10	881	.0	2
2172.0	4:28	4.44	42	40	.00	.00	18	10	896	.0	2
2174.0	4:38	4.33	42	40	.00	.00	18	10	880	.0	2
2176.0	4:45	4.14	42	40	.00	.00	18	10	889	.0	1
2178.0	4:54	4.28	42	40	.00	.00	18	10	899	.0	2
2180.0	5: 2	4.23	42	40	.00	.00	18	10	898	.0	2
2182.0	5:10	4.18	42	40	.00	.00	18	10	904	.0	2
2184.0	5:19	4.24	42	40	.00	.00	18	10	892	.0	2
2186.0	5:24	4.02	42	41	.00	.00	18	10	886	.0	1
1585											
2188.0	5:31	4.17	42	41	.00	.00	18	10	886	.0	1
2190.0	5:37	4.04	42	41	.00	.00	18	10	890	.0	1
2192.0	5:42	4.00	43	41	.00	.00	18	10	894	.0	2
2194.0	5:48	4.03	43	40	.00	.00	18	10	889	.0	2
2196.0	5:54	4.10	43	39	.00	.00	18	10	889	.0	1
2198.0	5:59	4.00	43	40	.00	.00	18	10	971	.0	2
2200.0	6: 5	4.06	43	40	.00	.00	18	10	885	.0	1
2202.0	6:10	3.97	43	40	.00	.00	18	10	889	.0	1
2204.0	6:16	4.01	43	39	.00	.00	18	10	904	.0	1
2206.0	6:21	4.02	43	40	.00	.00	18	10	911	.0	1
1598											
2208.0	6:28	4.18	43	40	.00	.00	18	10	905	.0	2
2210.0	6:36	4.17	43	40	.00	.00	18	10	911	.0	2
2214.0	6:49	4.12	43	40	.00	.00	18	10	904	.0	2
2216.0	6:56	4.21	43	40	.00	.00	18	10	907	.0	2
2218.0	7: 4	4.16	42	39	.00	.00	18	10	923	.0	1
2220.0	7:12	4.17	42	39	.00	.00	18	10	904	.0	2
2224.0	7:25	4.09	42	57	.00	.00	18	10	906	.0	3
2226.0	7:59	4.05	43	39	.00	.00	18	10	905	.0	2
2228.0	8: 5	4.12	42	39	.00	.00	18	10	916	.0	2
2230.0	8:13	4.17	42	41	.00	.00	18	10	931	.0	2
1618											
2232.0	8:21	4.16	42	40	.00	.00	18	10	910	.0	2
2234.0	8:27	4.07	42	40	.00	.00	18	10	906	.0	2
2236.0	8:35	4.14	42	40	.00	.00	18	10	919	.0	2
2238.0	8:42	4.12	43	40	.00	.00	18	10	894	.0	2
2240.0	8:47	3.98	42	39	.00	.00	18	10	896	.0	1
2242.0	8:53	4.09	42	39	.00	.00	18	10	888	.0	1
2244.0	8:59	4.05	42	39	.00	.00	18	10	904	.0	2
2246.0	9: 6	4.13	42	38	.00	.00	18	10	872	.0	1
2248.0	9:14	4.17	43	39	.00	.00	18	10	919	.0	2
2250.0	9:21	4.15	27	29	.00	.00	18	10	914	.0	2
1635											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
1635											
2252.0	9:26	3.99	43	39	.00	.00	18	10	878	.0	1
2254.0	9:32	4.05	42	38	.00	.00	18	10	875	.0	1
2256.0	9:41	4.25	42	37	.00	.00	18	10	890	.0	1
2258.0	9:48	4.19	42	41	.00	.00	18	10	873	.0	1
2260.0	9:54	4.04	42	41	.00	.00	18	10	886	.0	1
2262.0	9:59	4.02	42	40	.00	.00	18	10	913	.0	2
2264.0	10: 5	4.09	42	40	.00	.00	18	10	897	.0	2
2266.0	10:11	4.10	42	38	.00	.00	18	10	886	.0	1
2268.0	10:16	3.98	42	38	.00	.00	18	10	890	.0	1
2270.0	10:21	3.98	42	38	.00	.00	18	10	902	.0	1
1647											
2272.0	10:26	4.05	42	39	.00	.00	18	10	909	.0	2
2274.0	10:30	3.90	42	39	.00	.00	18	10	896	.0	1
2276.0	10:36	4.03	42	40	.00	.00	18	10	901	.0	1
2278.0	10:40	3.94	42	41	.00	.00	18	10	916	.0	2
2280.0	10:45	3.99	42	42	.00	.00	18	10	909	.0	1
2282.0	10:52	4.09	41	40	.00	.00	18	10	895	.0	2
2284.0	10:58	4.07	41	39	.00	.00	18	10	902	.0	1
2286.0	11: 4	4.10	42	39	.00	.00	18	10	913	.0	2
2288.0	11:12	4.16	42	40	.00	.00	18	10	937	.0	1
2290.0	11:20	4.15	42	41	.00	.00	18	10	940	.0	2
1662											
2292.0	11:28	4.11	42	41	.00	.00	18	10	928	.0	2
2294.0	11:35	4.11	42	42	.00	.00	18	10	934	.0	1
2296.0	11:43	4.16	42	43	.00	.00	18	10	955	.0	2
2310.0	12:40	4.16	42	42	.00	.00	18	10	904	.0	2
2312.0	12:47	4.14	41	40	.00	.00	18	10	868	.0	1
2314.0	12:56	4.23	42	41	.00	.00	18	10	864	.0	2
2316.0	13: 5	4.22	42	41	.00	.00	18	10	867	.0	2
2318.0	13:13	4.13	42	38	.00	.00	18	10	932	.0	2
2320.0	13:25	4.33	42	38	.00	.00	18	10	942	.0	2
2322.0	13:33	4.15	42	39	.00	.00	18	10	935	.0	2
1680											
2324.0	13:39	4.09	42	39	.00	.00	18	10	929	.0	2
2326.0	13:47	4.18	42	39	.00	.00	18	10	909	.0	2
2328.0	13:54	4.09	42	38	.00	.00	18	10	903	.0	1
2330.0	14: 2	4.17	42	38	.00	.00	18	10	938	.0	1
2332.0	14:12	4.25	42	42	.00	.00	18	10	923	.0	2
2334.0	14:22	4.26	42	39	.00	.00	18	10	918	.0	2
2336.0	14:31	4.26	42	39	.00	.00	18	10	918	.0	2
2338.0	14:40	4.25	42	38	.00	.00	18	10	858	.0	1
2340.0	14:50	4.29	42	41	.00	.00	18	10	893	.0	2
2342.0	15: 1	4.26	42	41	.00	.00	18	10	895	.0	2
1697											
2344.0	15:13	4.18	42	39	.00	.00	18	10	911	.0	2
2346.0	15:24	4.15	42	38	.00	.00	18	10	978	.0	2
2348.0	15:34	4.16	42	38	.00	.00	18	10	883	.0	2
2350.0	15:44	4.21	42	38	.00	.00	18	10	882	.0	2
2352.0	15:54	4.24	43	38	.00	.00	18	10	937	.0	2
2354.0	16: 4	4.24	43	38	.00	.00	18	10	923	.0	2
2356.0	16:16	4.28	43	38	.00	.00	18	10	928	.0	2
2358.0	16:27	4.23	43	38	.00	.00	18	10	927	.0	2
2360.0	16:38	4.22	43	41	.00	.00	18	10	928	.0	2
2362.0	16:48	4.24	44	42	.00	.00	18	10	934	.0	1
1716											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1716											
2364.0	17: 0	4.33	44	44	.00	.00	18	10	932	.0	2
2366.0	17:12	4.31	44	42	.00	.00	18	10	920	.0	2
2368.0	17:22	4.22	44	38	.00	.00	18	10	915	.0	2
2370.0	17:33	4.27	45	39	.00	.00	18	10	920	.0	2
2372.0	17:45	4.31	45	40	.00	.00	18	10	913	.0	2
2374.0	17:58	4.34	45	44	.00	.00	18	10	908	.0	2
2386.0	15:13	4.17	44	46	.00	.44	18	10	913	.0	2
2388.0	15:25	4.08	44	38	.00	.88	18	10	925	.0	2
2390.0	15:37	4.28	44	39	.00	.88	18	10	931	.0	2
2392.0	15:47	4.24	44	45	.00	.88	18	10	933	.0	2
1736											
2396.0	16:19	4.20	44	45	.00	.88	18	10	941	.0	3
2398.0	16:30	4.23	44	42	.00	.88	18	10	934	.0	2
2400.0	16:45	4.38	44	43	.00	.88	18	10	924	.0	2
2402.0	17: 0	4.39	44	42	.00	.88	18	10	839	.0	2
2404.0	17:20	4.37	44	41	.00	.87	18	10	578	.0	2
2406.0	17:34	4.32	42	37	.00	.87	18	10	866	.0	2
2408.0	17:49	4.36	43	35	.00	.87	18	10	926	.0	2
2410.0	18: 3	4.34	44	36	.00	.87	18	10	896	.0	2
───────	──────	NEW BIT ID:	-1	CORE # 1							
2412.0	0: 6	4.83	35	39	.00	.93	18	11	341	.0	1
2414.0	0:24	4.02	33	37	.00	.91	18	11	349	.0	2
1760											
2416.0	0:43	4.10	32	36	.00	.92	18	11	337	.0	2
2418.0	1:17	4.37	31	35	.00	.97	18	11	332	.0	2
2420.0	1:49	4.44	30	34	.00	1.07	18	11	324	.0	3
2422.0	2:10	4.17	29	33	.00	1.81	18	11	324	.0	2
2424.0	2:34	4.09	29	33	.00	1.14	18	11	329	.0	2
2425.0	2:35	4.10	28	33	.00	1.14	18	11	344	.0	1
───────	──────	NEW BIT ID:	-2	CORE # 2							
2426.0	15:47	2.92	38	34	.00	1.15	18	11	276	.0	1
2430.0	17:56	4.71	35	36	.00	1.19	18	11	330	.0	8
2432.0	18:50	4.77	33	35	.00	1.21	18	11	362	.0	3
2434.0	19:32	4.79	32	35	.00	1.22	18	11	367	.0	4
1792											
2436.0	20:40	4.77	32	35	.00	1.25	18	11	366	.0	4
2437.0	21:10	4.74	31	34	.00	1.27	18	11	372	.0	2
───────	──────	NEW BIT ID:	7								
2438.0	8:42	4.38	37	41	.00	.99	0	0	822	.0	1
2440.0	9: 8	4.18	36	40	.00	1.01	15	10	869	.0	2
2442.0	9:29	4.38	35	40	.00	1.03	15	10	896	.0	2
2444.0	9:51	4.44	35	41	.00	1.02	15	10	887	.0	2
2446.0	10:10	4.36	35	41	.00	1.02	15	10	887	.0	2
2448.0	11:22	3.95	36	41	.00	1.02	15	10	885	.0	2
2450.0	11:45	4.00	36	42	.00	1.03	15	10	838	.0	2
2452.0	11:53	3.97	35	41	.00	1.04	15	10	834	.0	2
1817											
2454.0	12: 1	3.90	35	41	.00	1.04	15	10	829	.0	2
2456.0	12: 8	3.88	35	41	.00	1.04	15	10	854	.0	2
2458.0	13: 9	3.74	36	41	.00	1.05	15	10	827	.0	2
2460.0	13:27	3.82	36	41	.00	1.08	15	10	812	.0	2

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1825											
2462.0	13:33	3.80	36	41	.00	1.08	15	10	817	.0	2
2464.0	13:38	3.67	36	41	.00	1.09	15	10	829	.0	2
2466.0	13:43	3.65	36	41	.00	1.09	15	10	809	.0	2
2468.0	13:47	3.61	36	41	.00	1.09	15	10	812	.0	2
2470.0	14: 6	3.76	36	41	.00	1.11	15	10	824	.0	2
2472.0	14:12	3.78	36	41	.00	1.11	15	10	830	.0	2
2474.0	14:17	3.73	36	41	.00	1.12	15	10	818	.0	2
2476.0	14:20	3.53	36	41	.00	1.12	15	10	811	.0	2
2478.0	14:34	3.59	36	42	.00	1.12	15	10	852	.0	2
2480.0	14:39	3.65	36	42	.00	1.14	15	10	798	.0	2
1845											
2482.0	14:46	3.80	36	43	.00	1.14	15	10	730	.0	2
2484.0	14:53	3.83	37	41	.00	1.14	15	10	720	.0	2
2486.0	15: 0	3.82	37	41	.00	1.14	15	10	718	.0	2
2488.0	15:15	3.89	37	41	.00	1.14	15	10	727	.0	2
2490.0	15:23	3.98	36	42	.00	1.14	15	10	710	.0	2
2492.0	15:33	4.02	36	42	.00	1.13	15	10	747	.0	2
2494.0	15:43	4.08	36	40	.00	1.13	15	10	639	.0	2
2496.0	15:52	4.02	36	39	.00	1.12	15	10	492	.0	2
2498.0	16:10	3.96	35	40	.00	1.13	15	10	494	.0	2
2500.0	16:17	3.89	34	40	.00	1.14	15	10	564	.0	2
1865											
2502.0	16:25	3.85	34	40	.00	1.14	15	10	585	.0	2
2504.0	16:33	3.93	34	40	.00	1.14	15	10	539	.0	2
2506.0	16:42	4.01	35	40	.00	1.30	15	10	566	.0	2
2508.0	16:58	3.98	35	41	.00	1.25	15	10	731	.0	2
2510.0	17: 6	3.93	35	39	.00	1.14	15	10	736	. .0	2
2512.0	17:13	3.84	35	39	.00	1.14	15	10	737	.0	2
2514.0	17:20	3.78	35	40	.00	1.15	15	10	734	.0	2
2516.0	17:39	3.89	34	39	.00	1.15	15	10	748	.0	2
2518.0	17:51	4.04	34	39	.00	1.16	15	10	781	.0	2
2520.0	18: 1	3.92	34	39	.00	1.16	15	10	736	.0	2
1885											
2522.0	18: 7	3.71	34	39	.00	1.16	15	10	739	.0	2
2524.0	18:16	3.83	34	39	.00	1.16	15	10	712	.0	2
2526.0	18:38	4.15	34	38	.00	1.16	15	10	722	.0	2
2528.0	18:48	4.08	34	39	.00	1.17	15	10	769	.0	2
2530.0	18:56	3.85	33	39	.00	1.17	15	10	765	.0	2
2532.0	19: 5	3.92	34	39	.00	1.17	15	10	775	.0	2
2534.0	19:13	3.85	34	39	.00	1.17	15	10	775	.0	2
2536.0	19:42	4.13	34	39	.00	1.17	15	10	759	.0	2
2538.0	19:56	4.20	34	39	.00	1.18	15	10	759	.0	2
2540.0	20:11	4.18	34	40	.00	1.17	15	10	763	.0	2
1905											
2542.0	20:22	4.07	34	41	.00	1.17	15	10	761	.0	2
2546.0	20:54	4.22	34	41	.00	1.18	15	10	775	.0	3
2548.0	21: 3	3.92	34	41	.00	1.22	15	10	770	.0	2
2550.0	21:12	3.90	34	41	.00	1.24	15	10	770	.0	2
2552.0	21:21	3.96	34	41	.00	1.25	15	10	772	.0	2
2554.0	21:29	3.88	34	41	.00	1.26	15	10	772	.0	2
2556.0	21:41	3.68	34	41	.00	1.26	15	10	774	.0	1
2558.0	21:47	3.70	34	42	.00	1.27	15	10	770	.0	2
2560.0	21:53	3.66	34	41	.00	1.27	15	10	774	.0	2
2562.0	21:59	3.70	34	41	.00	1.26	15	10	774	.0	2
1925											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV	RECDS
1925											
2566.0	22:28	3.96	34	41	.00	1.27	15	10	775	.0	3
2568.0	22:39	3.96	35	41	.00	1.27	15	10	770	.0	2
2570.0	22:49	3.91	35	41	.00	1.27	14	10	781	.0	2
2572.0	23: 0	3.96	35	41	.00	1.27	14	10	781	.0	2
2574.0	23:11	4.00	35	41	.00	1.27	14	10	781	.0	2
2576.0	23:39	4.25	35	41	.00	1.28	14	10	777	.0	2
2578.0	0: 6	4.49	35	42	.00	1.26	14	10	778	.0	2
2580.0	0:23	4.30	36	42	.00	1.26	14	10	754	.0	2
2582.0	0:43	4.37	36	42	.00	1.26	14	10	756	.0	2
2584.0	1:17	4.19	36	42	.00	1.27	14	10	752	.0	2
1946											
2586.0	1:36	4.32	35	42	.00	1.30	14	10	761	.0	2
2588.0	1:53	4.27	35	42	.00	1.30	14	10	765	.0	2
2590.0	2: 9	4.29	35	42	.00	1.30	14	10	758	.0	2
2592.0	2:33	4.41	35	42	.00	1.31	14	10	750	.0	2
2594.0	3: 5	4.44	35	42	.00	1.30	14	10	731	.0	2
2596.0	3:15	4.02	35	42	.00	1.30	14	10	686	.0	2
2598.0	3:33	4.28	35	42	.00	1.30	14	10	727	.0	2
2600.0	3:51	4.29	36	42	.00	1.28	14	10	752	.0	2
2602.0	4: 3	4.06	36	42	.00	1.28	14	10	772	.0	2
2604.0	4:24	3.99	36	43	.00	1.28	14	10	742	.0	2
1966											
2606.0	4:41	4.16	36	42	.00	1.28	14	10	752	.0	2
2608.0	4:59	4.24	36	42	.00	1.28	14	10	758	.0	2
2610.0	5:25	4.40	36	43	.00	1.29	14	11	739	.0	2
2612.0	5:42	4.06	37	43	.00	1.28	14	11	746	.0	2
2614.0	6:19	4.19	37	43	.00	1.28	14	11	746	.0	3
2616.0	6:36	4.14	37	42	.00	1.28	14	11	699	.0	2
2618.0	6:57	4.34	37	42	.00	1.28	14	11	560	.0	2
2620.0	7:26	4.42	37	42	.00	1.28	14	11	611	.0	2
2622.0	7:39	4.34	37	42	.00	1.28	14	11	599	.0	1
2624.0	8: 2	4.33	37	42	.00	1.28	14	11	610	.0	2
1986											
2626.0	8:23	4.32	37	42	.00	1.27	14	11	619	.0	2
2628.0	8:46	4.34	37	42	.00	1.28	14	11	620	.0	2
2630.0	9: 8	4.33	37	43	.00	1.27	14	11	808	.0	2
2632.0	9:27	4.18	37	43	.00	1.27	14	11	728	.0	2
2634.0	10: 1	4.52	38	43	.00	1.26	14	11	610	.0	2
2636.0	10:33	4.43	39	44	.00	1.23	14	11	712	.0	3
2638.0	10:52	4.19	39	44	.00	1.23	14	11	815	.0	2
2640.0	11:14	4.29	38	43	.00	1.12	14	11	772	.0	2
2642.0	11:37	4.22	37	44	.00	.74	14	11	801	.0	2
2644.0	12: 5	4.43	38	44	.00	.71	14	11	801	.0	2
2007											
2646.0	12:17	4.09	37	44	.00	.74	14	11	786	.0	2
2648.0	12:34	4.22	38	44	.00	.75	14	11	770	.0	2
2650.0	13: 7	4.57	38	44	.00	.73	14	11	787	.0	2
2652.0	13:48	4.53	38	44	.00	.72	14	11	785	.0	2
2654.0	14: 9	4.32	38	44	.00	.73	14	11	804	.0	2
2656.0	14:22	4.11	38	44	.00	.73	14	11	823	.0	2
2658.0	14:56	4.53	38	44	.00	.71	14	11	822	.0	2
2660.0	15:31	4.57	38	44	.00	.74	14	11	824	.0	2
2662.0	16:10	4.33	37	45	.00	.73	14	11	799	.0	2
2664.0	16:53	4.66	38	45	.00	.73	14	11	790	.0	3
2028											

DEPTH	TIME	RS	MTI	MTO	MRI	MRO	YPM	PVM	MVI	MDOV RECDS	
2028											
2666.0	17:44	4.70	38	45	.00	.75	14	11	699	.0	3
2668.0	18:12	4.39	38	45	.00	.74	14	11	635	.0	2
2670.0	19: 9	4.63	38	45	.00	.76	14	11	733	.0	4
2672.0	19:40	4.57	38	46	.00	.75	14	11	620	.0	3
2674.0	20:21	4.65	39	45	.00	.75	14	11	755	.0	4
2676.0	20:57	4.49	38	44	.00	.76	14	11	816	.0	2
2678.0	21:46	4.75	38	45	.00	.76	14	11	815	.0	4
2680.0	22:21	4.40	39	45	.00	.75	14	11	819	.0	2
2682.0	23:18	4.73	39	45	.00	.76	14	11	822	.0	4
2684.0	0:13	4.70	39	46	.00	.75	14	11	819	.0	3
2059											
2685.0	0:45	4.77	40	47	.00	.64	14	11	823	.0	3

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 operat—or 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

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
240.0	.0	.0	7	0	0	0	107.0	110.0	1753	0	360
244.0	4.0	.0	7	0	0	0	110.0	111.0	1753	0	372
256.0	12.0	.1	7	0	0	0	116.7	111.0	1909	0	396
260.0	4.0	.2	6	0	0	0	112.0	126.0	1197	0	419
280.0	20.0	.3	6	0	0	0	114.3	122.0	1806	0	437
286.0	6.0	.4	8	0	0	0	114.5	124.0	2060	0	457
290.0	4.0	.4	10	0	0	0	121.0	123.0	2088	0	468
294.0	4.0	.5	7	0	0	0	117.0	123.0	2097	0	477
300.0	6.0	.5	10	0	0	0	116.5	117.0	2086	0	483
304.0	4.0	.5	8	0	0	0	117.0	117.0	2090	0	492
	84										
310.0	6.0	.6	15	0	0	0	119.0	120.0	2095	0	501
320.0	10.0	.6	15	0	0	0	120.0	123.0	2078	0	518
330.0	10.0	.6	17	0	0	0	106.0	112.5	2079	0	537
332.0	2.0	.7	16	0	0	0	106.0	114.0	2039	0	547
352.0	20.0	.8	13	0	0	0	114.0	112.0	2095	0	594
360.0	8.0	.8	14	0	0	0	117.5	111.5	2097	0	607
362.0	2.0	.8	14	0	0	0	112.0	122.0	2100	0	616
364.0	2.0	.8	14	0	0	0	114.5	124.0	2100	0	621
366.0	2.0	.8	15	0	0	0	118.0	123.0	2104	0	625
370.0	4.0	.8	14	0	0	0	109.3	123.3	2102	0	632
	101										
372.0	2.0	.8	16	0	0	0	112.0	125.0	2093	0	638
374.0	2.0	.8	17	0	0	0	114.5	126.5	2092	0	641
376.0	2.0	.9	16	0	0	0	115.5	125.0	2093	0	644
378.0	2.0	.9	16	0	0	0	113.0	124.5	2095	0	646
380.0	2.0	.9	18	.0	0	0	117.0	124.5	2094	0	648
382.0	2.0	.9	18	0	0	0	112.0	115.5	2078	0	650
390.0	8.0	.9	22	0	0	0	104.3	106.3	2077	0	662
394.0	4.0	.9	23	0	0	0	108.0	98.5	2070	0	666
396.0	2.0	1.0	26	0	0	0	111.0	110.0	2079	0	667
398.0	2.0	1.0	27	0	0	0	117.0	102.0	2078	0	661
	122										
400.0	2.0	1.0	25	0	0	0	101.0	106.0	2081	0	657
402.0	2.0	1.0	25	0	0	0	91.0	106.5	2084	0	660
406.0	4.0	1.0	24	0	0	0	90.0	108.7	2081	0	671
408.0	2.0	1.0	27	0	0	0	88.5	108.5	2085	0	676
410.0	2.0	1.0	30	0	0	0	107.5	108.0	2097	0	686
412.0	2.0	1.1	28	0	0	0	98.0	106.0	2102	0	689
414.0	2.0	1.1	27	0	0	0	104.0	109.0	2108	0	664
416.0	2.0	1.1	27	0	0	0	98.0	108.5	2102	0	670
420.0	4.0	1.1	21	0	0	0	102.0	111.5	2076	0	683
422.0	2.0	1.1	25	0	0	0	119.0	114.0	2050	0	692
	142										
424.0	2.0	1.1	25	0	0	0	119.0	114.0	2050	0	713
426.0	2.0	1.2	25	0	0	0	119.0	114.0	2050	0	703
428.0	2.0	1.2	23	0	0	0	119.0	114.0	2050	0	711
430.0	2.0	1.2	20	0	0	0	128.0	116.0	2050	0	707
432.0	2.0	1.2	20	0	0	0	128.0	116.0	2050	0	704
434.0	2.0	1.3	27	0	0	0	128.0	116.0	2050	0	703
436.0	2.0	1.3	15	0	0	0	116.0	119.0	2050	0	694

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	149										
438.0	2.0	1.4	20	0	0	0	116.0	119.0	2050	0	686
440.0	2.0	1.4	23	0	0	0	116.0	119.0	2050	0	687
442.0	2.0	1.5	24	0	0	0	116.0	119.0	2050	0	689
444.0	2.0	1.5	20	0	0	0	116.0	119.0	2050	0	690
446.0	2.0	1.5	25	0	0	0	122.0	119.0	2060	0	694
448.0	2.0	1.6	21	0	0	0	123.0	121.0	2060	0	699
450.0	2.0	1.6	23	0	0	0	123.0	121.0	2060	0	704
452.0	2.0	1.6	25	0	0	0	123.0	121.0	2060	0	709
454.0	2.0	1.7	25	0	0	0	123.0	121.0	2060	0	713
456.0	2.0	1.7	25	0	0	0	123.0	121.0	2060	0	718
	159										
458.0	2.0	1.7	23	0	0	0	116.0	120.0	2060	0	719
460.0	2.0	1.8	25	0	0	0	116.0	120.0	2060	0	718
462.0	2.0	1.8	18	0	0	0	116.0	120.0	2060	0	722
464.0	2.0	1.9	20	0	0	0	116.0	120.0	2060	0	724
466.0	2.0	1.9	20	0	0	0	116.0	120.0	2060	0	728
468.0	2.0	1.9	20	0	0	0	116.0	120.0	2060	0	731
472.0	4.0	2.0	22	0	0	0	116.0	120.0	2060	0	739
474.0	2.0	2.0	15	0	0	0	116.0	120.0	2060	0	744
478.0	4.0	2.1	16	0	0	0	116.0	120.0	2060	0	752
480.0	2.0	2.1	23	0	0	0	116.0	120.0	2060	0	756
	169										
482.0	2.0	2.2	23	0	0	0	111.0	122.0	2100	0	760
484.0	2.0	2.2	17	0	0	0	111.0	122.0	2100	0	764
486.0	2.0	2.2	18	0	0	0	111.0	122.0	2100	0	768
488.0	2.0	2.2	19	0	0	0	111.0	122.0	2100	0	772
490.0	2.0	2.3	15	0	0	0	111.0	122.0	2100	0	777
492.0	2.0	2.3	16	0	0	0	111.0	122.0	2100	0	782
494.0	2.0	2.3	14	0	0	0	111.0	122.0	2100	0	786
496.0	2.0	2.3	18	0	0	0	111.0	122.0	2100	0	791
498.0	2.0	2.4	18	0	0	0	111.0	122.0	2100	0	796
500.0	2.0	2.4	17	0	0	0	111.0	122.0	2100	0	801
	179										
502.0	2.0	2.4	20	0	0	0	110.0	116.0	2100	0	805
504.0	2.0	2.4	27	0	0	0	110.0	116.0	2100	0	809
506.0	2.0	2.4	21	0	0	0	110.0	116.0	2100	0	814
508.0	2.0	2.5	14	0	0	0	110.0	116.0	2100	0	816
510.0	2.0	2.5	12	0	0	0	110.0	116.0	2100	0	820
512.0	2.0	2.5	10	0	0	0	110.0	116.0	2100	0	823
514.0	2.0	2.6	10	0	0	0	110.0	116.0	2100	0	826
516.0	2.0	2.6	22	0	0	0	110.0	116.0	2100	0	828
518.0	2.0	2.6	21	0	0	0	110.0	116.0	2100	0	829
520.0	2.0	2.7	22	0	0	0	115.0	117.0	2100	0	832
	189										
522.0	2.0	2.7	17	0	0	0	115.0	117.0	2100	0	835
524.0	2.0	2.7	18	0	0	0	115.0	117.0	2100	0	832
526.0	2.0	2.8	16	0	0	0	115.0	117.0	2100	0	836
528.0	2.0	2.8	18	0	0	0	115.0	117.0	2100	0	839
530.0	2.0	2.8	20	0	0	0	115.0	117.0	2100	0	842
532.0	2.0	2.8	18	0	0	0	118.0	119.0	2100	0	845
534.0	2.0	2.9	21	0	0	0	118.0	119.0	2100	0	848
536.0	2.0	2.9	26	0	0	0	118.0	119.0	2100	0	850
538.0	2.0	3.0	28	0	0	0	118.0	119.0	2100	0	852
540.0	2.0	3.0	25	0	0	0	118.0	119.0	2100	0	856
	199										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
199											
542.0	2.0	3.1	25	0	0	0	118.0	119.0	2100	0	861
544.0	2.0	3.1	27	0	0	0	118.0	119.0	2100	0	862
546.0	2.0	3.2	25	0	0	0	118.0	119.0	2100	0	862
548.0	2.0	3.2	26	0	0	0	118.0	119.0	2100	0	861
550.0	2.0	3.3	24	0	0	0	118.0	120.0	2100	0	864
552.0	2.0	3.4	23	0	0	0	118.0	120.0	2100	0	864
554.0	2.0	3.6	15	0	0	0	118.0	120.0	2100	0	857
556.0	2.0	3.8	15	0	0	0	118.0	120.0	2100	0	857
558.0	2.0	4.0	15	0	0	0	118.0	120.0	2100	0	860
560.0	2.0	4.1	20	0	0	0	106.0	113.0	2100	0	865
209											
562.0	2.0	4.2	24	0	0	0	106.0	113.0	2100	0	870
564.0	2.0	4.2	25	0	0	0	106.0	113.0	2100	0	876
566.0	2.0	4.2	25	0	0	0	106.0	113.0	2100	0	882
568.0	2.0	4.3	24	0	0	0	106.0	113.0	2100	0	887
570.0	2.0	4.3	21	0	0	0	106.0	107.0	2100	0	892
572.0	2.0	4.4	26	0	0	0	106.0	107.0	2100	0	898
574.0	2.0	4.4	30	0	0	0	106.0	107.0	2100	0	904
576.0	2.0	4.4	30	0	0	0	106.0	107.0	2100	0	909
578.0	2.0	4.5	30	0	0	0	106.0	107.0	2100	0	915
580.0	2.0	4.5	23	0	0	0	104.0	111.0	2100	0	921
219											
582.0	2.0	4.5	23	0	0	0	104.0	111.0	2100	0	925
584.0	2.0	4.5	24	0	0	0	104.0	111.0	2100	0	929
586.0	2.0	4.6	22	0	0	0	104.0	111.0	2100	0	932
588.0	2.0	4.6	18	0	0	0	104.0	111.0	2100	0	936
590.0	2.0	4.7	20	0	0	0	114.0	112.0	2100	0	935
592.0	2.0	4.8	27	0	0	0	114.0	112.0	2100	0	932
594.0	2.0	4.8	30	0	0	0	114.0	112.0	2100	0	930
596.0	2.0	4.9	20	0	0	0	114.0	112.0	2100	0	933
598.0	2.0	4.9	28	0	0	0	114.0	112.0	2100	0	935
600.0	2.0	5.0	15	0	0	0	115.0	111.0	2100	0	939
229											
602.0	2.0	5.0	15	0	0	0	115.0	111.0	2100	0	942
604.0	2.0	5.1	23	0	0	0	115.0	111.0	2100	0	946
606.0	2.0	5.1	30	0	0	0	115.0	111.0	2100	0	951
610.0	4.0	5.2	23	0	0	0	115.0	111.0	2100	0	959
612.0	2.0	5.3	26	0	0	0	115.0	118.0	2100	0	962
614.0	2.0	5.3	24	0	0	0	115.0	118.0	2100	0	965
616.0	2.0	5.3	23	0	0	0	115.0	118.0	2100	0	970
618.0	2.0	5.4	18	0	0	0	115.0	118.0	2100	0	975
620.0	2.0	5.4	17	0	0	0	115.0	118.0	2100	0	978
622.0	2.0	5.5	17	0	0	0	115.0	118.0	2100	0	980
239											
624.0	2.0	5.5	16	0	0	0	115.0	118.0	2100	0	982
626.0	2.0	5.6	18	0	0	0	115.0	118.0	2100	0	986
628.0	2.0	5.6	21	0	0	0	115.0	118.0	2100	0	990
630.0	2.0	5.7	17	0	0	0	110.0	115.0	2100	0	995
634.0	4.0	5.8	25	0	0	0	110.0	115.0	2100	0	995
638.0	4.0	5.9	15	0	0	0	110.0	115.0	2100	0	1003
640.0	2.0	5.9	16	0	0	0	110.0	115.0	2100	0	1007
642.0	2.0	6.0	16	0	0	0	110.0	115.0	2100	0	1009
644.0	2.0	6.0	17	0	0	0	110.0	115.0	2100	0	1011
646.0	2.0	6.0	20	0	0	0	110.0	115.0	2100	0	1016
249											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	249										
648.0	2.0	6.1	20	0	0	0	110.0	115.0	2100	0	1020
650.0	2.0	6.1	20	0	0	0	110.0	115.0	2100	0	1025
652.0	2.0	6.2	20	0	0	0	111.0	109.0	2100	0	1030
654.0	2.0	6.2	26	0	0	0	111.0	109.0	2100	0	1031
656.0	2.0	6.3	26	0	0	0	111.0	109.0	2100	0	1033
658.0	2.0	6.3	22	0	0	0	111.0	109.0	2100	0	1035
660.0	2.0	6.4	30	0	0	0	110.0	112.0	2100	0	1039
662.0	2.0	6.4	30	0	0	0	110.0	112.0	2100	0	1043
664.0	2.0	6.4	25	0	0	0	110.0	112.0	2100	0	1048
666.0	2.0	6.5	30	0	0	0	110.0	112.0	2100	0	1051
	259										
668.0	2.0	6.5	25	0	0	0	110.0	112.0	2100	0	1054
670.0	2.0	6.5	25	0	0	0	110.0	112.0	2100	0	1058
672.0	2.0	6.6	26	0	0	0	109.0	110.0	2100	0	1062
674.0	2.0	6.6	25	0	0	0	109.0	110.0	2100	0	1067
676.0	2.0	6.6	20	0	0	0	109.0	110.0	2100	0	1072
680.0	4.0	6.7	23	0	0	0	118.0	108.0	2100	0	1080
682.0	2.0	6.7	27	0	0	0	118.0	108.0	2100	0	1084
684.0	2.0	6.8	20	0	0	0	118.0	108.0	2100	0	1086
686.0	2.0	6.8	26	0	0	0	118.0	108.0	2100	0	1088
688.0	2.0	6.9	24	0	0	0	118.0	108.0	2100	0	1090
	269										
690.0	2.0	6.9	26	0	0	0	118.0	108.0	2100	0	1092
692.0	2.0	7.0	27	0	0	0	118.0	108.0	2100	0	1094
696.0	4.0	7.1	25	0	0	0	118.0	108.0	2100	0	1098
700.0	4.0	7.1	23	0	0	0	115.0	110.0	2100	0	1102
702.0	2.0	7.2	22	0	0	0	115.0	110.0	2100	0	1105
704.0	2.0	7.2	19	0	0	0	115.0	110.0	2100	0	1108
706.0	2.0	7.3	36	0	0	0	115.0	110.0	2100	0	1112
708.0	2.0	7.3	23	0	0	0	115.0	110.0	2100	0	1115
710.0	2.0	7.4	23	0	0	0	115.0	110.0	2100	0	1118
712.0	2.0	7.4	25	0	0	0	115.0	110.0	2100	0	1121
	279										
714.0	2.0	7.5	26	0	0	0	115.0	110.0	2100	0	1124
716.0	2.0	7.5	23	0	0	0	115.0	110.0	2100	0	1129
720.0	4.0	7.6	27	0	0	0	113.0	112.0	2100	0	1136
722.0	2.0	7.6	26	0	0	0	113.0	112.0	2100	0	1140
724.0	2.0	7.6	30	0	0	0	113.0	112.0	2100	0	1143
726.0	2.0	7.7	26	0	0	0	113.0	112.0	2100	0	1146
728.0	2.0	7.7	28	0	0	0	113.0	112.0	2100	0	1149
730.0	2.0	7.8	30	0	0	0	116.0	111.0	2100	0	1151
732.0	2.0	7.9	30	0	0	0	116.0	111.0	2100	0	1150
734.0	2.0	8.0	28	0	0	0	116.0	111.0	2100	0	1150
	289										
736.0	2.0	8.0	18	0	0	0	116.0	111.0	2100	0	1153
738.0	2.0	8.1	26	0	0	0	116.0	111.0	2100	0	1155
740.0	2.0	8.1	29	0	0	0	115.0	109.0	2100	0	1157
742.0	2.0	8.2	30	0	0	0	115.0	109.0	2100	0	1162
744.0	2.0	8.2	20	0	0	0	115.0	109.0	2100	0	1166
746.0	2.0	8.2	22	0	0	0	115.0	109.0	2100	0	1170
750.0	4.0	8.3	24	0	0	0	94.0	112.0	2100	0	1181
752.0	2.0	8.4	28	0	0	0	94.0	112.0	2100	0	1184
754.0	2.0	8.4	20	0	0	0	94.0	112.0	2100	0	1187
756.0	2.0	8.5	20	0	0	0	94.0	112.0	2100	0	1189
	299										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	299										
758.0	2.0	8.5	24	0	0	0	94.0	112.0	2100	0	1192
760.0	2.0	8.6	28	0	0	0	113.0	111.0	2100	0	1193
762.0	2.0	8.7	26	0	0	0	113.0	111.0	2100	0	1192
764.0	2.0	8.7	26	0	0	0	113.0	111.0	2100	0	1194
768.0	4.0	8.8	27	0	0	0	113.0	111.0	2100	0	1200
770.0	2.0	8.9	29	0	0	0	110.0	109.0	2100	0	1203
772.0	2.0	9.0	27	0	0	0	110.0	109.0	2100	0	1207
774.0	2.0	9.1	26	0	0	0	110.0	109.0	2100	0	1210
776.0	2.0	9.2	27	0	0	0	110.0	109.0	2100	0	1213
778.0	2.0	9.3	25	0	0	0	110.0	109.0	2100	0	1213
	309										
780.0	2.0	9.3	30	0	0	0	115.0	108.0	2100	0	1215
782.0	2.0	9.4	30	0	0	0	115.0	108.0	2100	0	1218
784.0	2.0	9.5	30	0	0	0	115.0	108.0	2100	0	1220
786.0	2.0	9.6	29	0	0	0	115.0	108.0	2100	0	1223
788.0	2.0	9.6	31	0	0	0	115.0	108.0	2100	0	1227
790.0	2.0	9.8	10	0	0	0	106.0	113.0	2100	0	1229
792.0	2.0	9.9	11	0	0	0	106.0	113.0	2100	0	1230
794.0	2.0	10.0	17	0	0	0	106.0	113.0	2100	0	1231
796.0	2.0	10.1	18	0	0	0	106.0	113.0	2100	0	1233
798.0	2.0	10.2	14	0	0	0	106.0	113.0	2100	0	1236
	319										
800.0	2.0	10.3	14	0	0	0	127.0	128.0	2100	0	1240
802.0	2.0	10.4	22	0	0	0	127.0	128.0	2100	0	1247
804.0	2.0	10.5	29	0	0	0	127.0	128.0	2100	0	1254
806.0	2.0	10.7	17	0	0	0	127.0	128.0	2100	0	1263
808.0	2.0	10.7	24	0	0	0	127.0	128.0	2100	0	1267
810.0	2.0	10.8	25	0	0	0	123.0	126.0	2100	0	1270
812.0	2.0	11.0	17	0	0	0	123.0	126.0	2100	0	1273
814.0	2.0	11.0	30	0	0	0	123.0	126.0	2100	0	1276
816.0	2.0	11.1	27	0	0	0	123.0	126.0	2100	0	1279
818.0	2.0	11.3	28	0	0	0	123.0	126.0	2100	0	1282
	329										
820.0	2.0	11.4	24	0	0	0	123.0	126.0	2100	0	1285
822.0	2.0	11.5	30	0	0	0	111.0	129.0	2100	0	1289
824.0	2.0	11.6	32	0	0	0	111.0	129.0	2100	0	1293
826.0	2.0	11.6	36	0	0	0	111.0	129.0	2100	0	1298
828.0	2.0	11.7	35	0	0	0	111.0	129.0	2100	0	1302
830.0	2.0	11.8	30	0	0	0	113.0	124.0	2100	0	1307
832.0	2.0	11.8	25	0	0	0	113.0	124.0	2100	0	1312
834.0	2.0	11.9	32	0	0	0	113.0	124.0	2100	0	1317
836.0	2.0	12.0	29	0	0	0	113.0	124.0	2100	0	1319
838.0	2.0	12.1	32	0	0	0	113.0	124.0	2100	0	1321
	339										
840.0	2.0	12.2	29	0	0	0	115.0	123.0	2100	0	1323
842.0	2.0	12.3	22	0	0	0	115.0	123.0	2100	0	1324
844.0	2.0	12.4	27	0	0	0	115.0	123.0	2100	0	1326
846.0	2.0	12.4	28	0	0	0	115.0	123.0	2100	0	1330
848.0	2.0	12.5	24	0	0	0	115.0	123.0	2100	0	1335
850.0	2.0	12.5	27	0	0	0	115.0	123.0	2100	0	1339
852.0	2.0	12.5	27	0	0	0	114.0	125.0	2100	0	1344
854.0	2.0	12.6	18	0	0	0	114.0	125.0	2100	0	1349
856.0	2.0	12.6	28	0	0	0	114.0	125.0	2100	0	1354
858.0	2.0	12.7	30	0	0	0	114.0	125.0	2100	0	1358
	349										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	349										
860.0	2.0	12.8	29	0	0	0	110.0	125.0	2100	0	1362
862.0	2.0	12.9	30	0	0	0	110.0	125.0	2100	0	1366
864.0	2.0	12.9	33	0	0	0	110.0	125.0	2100	0	1367
866.0	2.0	13.0	34	0	0	0	110.0	125.0	2100	0	1367

NEW BIT ID   3

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
872.0	6.0	.5	26	205	179	0	84.0	78.3	2060	0	1324
874.0	2.0	.7	26	200	174	0	94.1	83.1	2274	0	1327
882.0	8.0	1.5	33	194	168	0	113.7	107.3	3314	0	1339
884.0	2.0	1.6	40	202	163	0	113.5	107.3	3296	0	1343
886.0	2.0	1.7	38	200	162	0	113.4	107.2	3282	0	1348
888.0	2.0	1.7	37	200	163	0	113.5	106.7	3276	0	1353
	369										
890.0	2.0	1.8	35	200	165	0	117.2	104.6	3307	0	1351
892.0	2.0	1.9	39	200	161	0	117.5	104.0	3310	0	1357
894.0	2.0	2.0	40	200	160	0	117.5	103.7	3301	0	1363
896.0	2.0	2.1	38	200	162	0	117.6	103.7	3294	0	1368
898.0	2.0	2.2	33	188	163	0	117.2	104.0	3290	0	1367
900.0	2.0	2.2	33	199	154	0	111.9	112.7	3376	0	1368
902.0	2.0	2.3	42	198	156	0	111.8	112.8	3378	0	1374
904.0	2.0	2.3	48	198	150	0	112.0	112.9	3379	0	1380
906.0	2.0	2.4	47	198	151	0	112.2	112.9	3384	0	1387
918.0	12.0	2.6	47	197	150	0	114.6	109.0	3384	0	1396
	390										
920.0	2.0	2.8	45	197	142	0	116.7	106.9	3370	0	1401
922.0	2.0	2.9	40	197	135	0	117.0	106.8	3385	0	1406
924.0	2.0	3.0	40	197	139	0	117.3	106.4	3387	0	1409
926.0	2.0	3.1	40	197	141	0	117.5	106.6	3386	0	1409
928.0	2.0	3.2	40	186	138	0	118.0	105.0	3356	0	1411
930.0	2.0	3.3	37	175	138	0	119.2	102.1	3317	0	1414
932.0	2.0	3.4	38	177	139	0	119.4	102.0	3324	0	1417
934.0	2.0	3.4	43	185	139	0	119.4	102.2	3332	0	1420
936.0	2.0	3.5	51	190	138	0	119.7	102.0	3340	0	1423
938.0	2.0	3.6	58	190	143	0	116.1	106.6	3376	0	1427
	410										
940.0	2.0	3.7	51	190	139	0	111.9	108.3	3291	0	1431
942.0	2.0	3.7	52	190	138	0	116.0	105.5	3334	0	1436
944.0	2.0	3.8	54	190	136	0	118.4	104.9	3382	0	1443
946.0	2.0	3.9	56	190	134	0	118.4	104.6	3377	0	1448
948.0	2.0	4.0	43	190	147	0	123.6	48.8	1477	0	1441
950.0	2.0	4.1	37	190	153	0	124.5	.0	1177	0	1447
952.0	2.0	4.3	39	190	154	0	124.6	.0	1181	0	1453
954.0	2.0	4.4	45	190	145	0	117.1	60.5	2417	0	1458
956.0	2.0	4.5	52	204	140	0	113.5	109.3	3380	0	1457
958.0	2.0	4.6	55	192	139	0	111.1	110.0	3333	0	1455
	430										
960.0	2.0	4.6	56	192	136	0	111.1	110.4	3346	0	1461
962.0	2.0	4.7	54	192	138	0	111.3	109.6	3349	0	1468
964.0	2.0	4.8	53	192	139	0	111.7	109.8	3349	0	1473
970.0	6.0	5.0	52	152	135	0	112.4	106.6	3314	0	1480
972.0	2.0	5.1	51	192	138	0	112.0	103.3	3280	0	1486
974.0	2.0	5.2	53	192	139	0	112.0	102.9	3285	0	1489
976.0	2.0	5.3	53	192	139	0	112.0	106.2	3294	0	1483
978.0	2.0	5.4	54	192	138	0	112.0	107.9	3317	0	1489
980.0	2.0	5.4	54	192	138	0	112.0	107.8	3318	0	1495
982.0	2.0	5.5	54	194	138	0	112.0	108.0	3320	0	1501
	451										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	451										
984.0	2.0	5.6	54	191	139	0	112.0	107.6	2938	0	1499
986.0	2.0	5.7	53	191	137	0	112.0	103.8	3380	0	1499
988.0	2.0	5.8	52	191	139	0	112.0	104.4	3358	0	1506
990.0	2.0	5.9	56	191	135	0	112.0	104.6	3346	0	1512
992.0	2.0	5.9	57	191	134	0	112.0	104.8	2964	0	1515
994.0	2.0	6.0	58	191	133	0	112.0	101.3	3292	0	1513
996.0	2.0	6.1	59	191	132	0	112.0	105.9	3207	0	1516
998.0	2.0	6.2	51	191	140	0	112.0	106.5	3208	0	1522
1000.0	2.0	6.3	51	191	140	0	112.0	106.5	3207	0	1528
1002.0	2.0	6.3	54	191	137	0	112.0	106.4	3206	0	1531
	471										
1004.0	2.0	6.4	47	191	142	0	112.0	104.5	3207	0	1526
1006.0	2.0	6.5	55	198	143	0	112.0	103.8	3205	0	1527
1008.0	2.0	6.6	52	198	146	0	112.8	103.9	3207	0	1530
1010.0	2.0	6.8	51	198	147	0	112.8	103.7	3210	0	1533
1012.0	2.0	6.9	51	198	147	0	114.2	103.9	3209	0	1536
1014.0	2.0	7.0	50	198	148	0	112.0	107.2	3203	0	1540
1016.0	2.0	7.1	49	198	149	0	112.0	108.7	3202	0	1543
1018.0	2.0	7.2	48	198	150	0	112.0	108.4	3203	0	1546
1020.0	2.0	7.3	51	198	147	0	112.0	108.3	3204	0	1549
1024.0	4.0	7.4	50	198	148	0	112.0	109.8	3208	0	1555
	491										
1026.0	2.0	7.5	47	198	151	0	112.0	110.5	3208	0	1558
1028.0	2.0	7.6	44	198	154	0	112.0	110.5	3209	0	1561
1029.0	1.0	7.7	51	198	147	0	112.0	110.8	3209	0	1563

                        NEW BIT ID: 4

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1032.0	.0	.1	51	200	149	0	110.9	105.9	3161	0	1584
1034.0	2.0	.1	51	200	149	0	110.6	106.2	3166	0	1589
1036.0	2.0	.1	54	200	146	0	110.2	106.0	3173	0	1595
1038.0	2.0	.2	56	200	144	0	110.1	105.9	3173	0	1602
1040.0	2.0	.3	50	200	151	0	110.0	105.7	3173	0	1609
1042.0	2.0	.3	50	202	180	0	109.0	106.0	3178	0	1610
1044.0	2.0	.4	50	202	163	0	103.4	112.1	3178	0	1611
	512										
1046.0	2.0	.4	50	202	166	0	50.1	108.3	3177	0	1613
1048.0	2.0	.5	50	202	163	0	.0	102.3	3173	0	1619
1050.0	2.0	.6	50	205	160	0	.0	102.9	3173	0	1624
1052.0	2.0	.6	50	220	159	0	.0	107.7	3173	0	1621
1054.0	2.0	.7	50	205	157	0	.0	111.9	3173	0	1624
1056.0	2.0	.8	50	205	164	0	.0	112.2	3176	0	1628
1058.0	2.0	.8	50	205	159	0	.0	112.5	3178	0	1633
1060.0	2.0	.9	50	205	159	0	.0	112.3	3177	0	1638
1062.0	2.0	1.0	50	205	162	0	.0	114.3	3173	0	1637
1064.0	2.0	1.0	50	205	160	0	.0	116.3	3174	0	1640
	532										
1066.0	2.0	1.1	50	205	163	0	.0	116.2	2705	0	1644
1068.0	2.0	1.2	50	205	166	0	112.0	57.7	2066	0	1651
1070.0	2.0	1.3	50	205	164	0	112.0	.0	2066	0	1654
1072.0	2.0	1.4	50	204	165	0	112.0	.0	2068	0	1653
1074.0	2.0	1.4	50	205	172	0	112.0	.0	2066	0	1657
1076.0	2.0	1.5	50	205	163	0	112.0	.0	2068	0	1662
1078.0	2.0	1.5	50	205	166	0	112.0	.0	2070	0	1666

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	546										
1080.0	2.0	1.6	50	206	169	0	112.0	97.6	2069	0	1670
1082.0	2.0	1.7	50	206	162	0	112.0	103.0	3034	0	1672
1084.0	2.0	1.7	50	206	160	0	112.0	107.8	3100	0	1675
1086.0	2.0	1.8	50	206	161	0	112.0	99.1	3099	0	1677
1088.0	2.0	1.9	50	207	171	0	112.0	98.7	3100	0	1683
1090.0	2.0	2.0	50	208	178	0	112.0	99.1	3099	0	1684
1092.0	2.0	2.0	50	208	166	0	.0	110.9	3099	0	1684
1094.0	2.0	2.1	50	208	172	0	.0	111.1	2935	0	1686
1096.0	2.0	2.2	50	208	171	0	.0	111.8	2115	0	1691
1098.0	2.0	2.3	50	208	174	0	.0	112.8	2115	0	1697
	566										
1100.0	2.0	2.4	50	209	173	0	112.0	104.3	2108	0	1693
1102.0	2.0	2.4	50	210	170	0	112.0	98.6	2102	0	1696
1104.0	2.0	2.5	50	210	167	0	112.0	95.1	2102	0	1701
1106.0	2.0	2.6	50	210	165	0	112.0	98.8	2102	0	1706
1108.0	2.0	2.6	50	210	166	0	112.0	98.7	2107	0	1712
1110.0	2.0	2.7	50	211	167	0	112.0	99.1	3495	0	1719
1112.0	2.0	2.7	50	211	167	0	112.0	98.7	2999	0	1724
1114.0	2.0	2.8	54	211	157	0	112.0	98.6	2955	0	1732
1116.0	2.0	2.9	56	211	155	0	112.0	98.4	2954	0	1739
1118.0	2.0	2.9	52	211	159	0	112.0	98.3	2960	0	1746
	586										
1120.0	2.0	3.0	52	211	170	0	112.0	98.8	2959	0	1746
1122.0	2.0	3.0	52	211	176	0	112.0	98.9	2960	0	1748
1124.0	2.0	3.1	52	211	168	0	112.0	98.7	2959	0	1752
1128.0	4.0	3.2	52	219	168	0	112.0	98.8	2958	0	1761
1130.0	2.0	3.3	55	211	156	0	112.0	98.8	2956	0	1767
1132.0	2.0	3.4	52	211	161	0	112.0	98.8	2960	0	1771
1134.0	2.0	3.5	52	211	168	0	112.0	98.9	2962	0	1774
1136.0	2.0	3.6	52	211	166	0	112.0	98.5	2959	0	1777
1138.0	2.0	3.7	52	223	166	0	112.0	97.5	3256	0	1767
1140.0	2.0	3.8	52	212	163	0	112.0	98.7	3279	0	1773
	607										
1142.0	2.0	3.8	52	212	168	0	112.0	98.9	3282	0	1778
1144.0	2.0	3.9	52	212	161	0	112.0	98.4	3285	0	1783
1148.0	4.0	4.0	52	213	166	0	112.0	98.2	1810	0	1791
1150.0	2.0	4.1	52	213	164	0	112.0	98.0	2739	0	1800
1152.0	2.0	4.2	48	213	165	0	105.0	110.7	2983	0	1805
1154.0	2.0	4.3	52	213	161	0	98.0	123.7	2991	0	1809
1156.0	2.0	4.4	53	214	163	0	98.0	123.5	2990	0	1808
1158.0	2.0	4.5	49	214	165	0	98.0	123.7	2988	0	1805
1160.0	2.0	4.6	54	214	160	0	98.0	123.7	2987	0	1808
1162.0	2.0	4.7	51	214	163	0	98.0	123.7	2985	0	1813
	628										
1164.0	2.0	4.8	50	214	164	0	98.0	123.6	2988	0	1818
1166.0	2.0	4.8	52	214	162	0	98.0	123.5	2990	0	1822
1168.0	2.0	4.9	49	214	165	0	98.0	123.5	2986	0	1825
1170.0	2.0	5.0	56	214	158	0	98.0	123.3	2986	0	1828
1172.0	2.0	5.0	53	214	161	0	98.0	123.6	3648	0	1831
1174.0	2.0	5.1	51	214	163	0	98.0	123.7	2982	0	1834
1176.0	2.0	5.2	52	214	162	0	98.0	123.4	2982	0	1838
1178.0	2.0	5.2	51	214	166	0	98.0	123.6	2988	0	1841
1180.0	2.0	5.4	52	214	161	0	98.0	123.8	2983	0	1844
1182.0	2.0	5.5	53	214	161	0	98.2	123.5	2983	0	1847
	646										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
646											
1184.0	2.0	5.5	52	214	162	0	98.8	123.7	2982	0	1850
1186.0	2.0	5.6	49	215	165	0	110.7	110.8	2981	0	1853
1188.0	2.0	5.7	56	215	159	0	123.7	98.6	2985	0	1858
1190.0	2.0	5.8	54	215	161	0	123.6	98.8	2983	0	1867
1192.0	2.0	5.9	57	215	158	0	123.4	98.7	2981	0	1877
1194.0	2.0	5.9	54	215	161	0	123.7	98.8	2980	0	1886
1196.0	2.0	6.0	52	215	163	0	123.7	98.7	2973	0	1886
1198.0	2.0	6.1	52	215	163	0	123.4	98.7	2980	0	1887
1200.0	2.0	6.2	55	215	160	0	123.5	98.7	2979	0	1890
1202.0	2.0	6.3	55	215	160	0	123.7	98.6	2977	0	1893
666											
1204.0	2.0	6.4	56	215	159	0	123.4	98.7	2979	0	1897
1206.0	2.0	6.5	48	215	167	0	123.7	98.5	2978	0	1900
1208.0	2.0	6.6	51	215	164	0	123.5	98.7	2979	0	1903
1210.0	2.0	6.7	51	215	164	0	123.6	98.8	3025	0	1906
1212.0	2.0	6.8	51	215	169	0	123.2	98.1	2980	0	1909
1214.0	2.0	6.9	51	215	163	0	109.5	109.5	2980	0	1912
1216.0	2.0	7.0	51	215	166	0	97.4	121.9	2980	0	1916
1218.0	2.0	7.1	51	215	166	0	97.6	121.7	2977	0	1919
1220.0	2.0	7.2	51	215	165	0	97.5	121.6	2978	0	1922
1222.0	2.0	7.3	51	215	165	0	121.8	97.2	2979	0	1925
686											
1224.0	2.0	7.4	51	215	168	0	103.5	102.0	2977	0	1928
1226.0	2.0	7.5	51	215	168	0	97.3	121.9	2979	0	1931
1228.0	2.0	7.6	51	215	168	0	97.0	121.7	2977	0	1934
1230.0	2.0	7.7	52	215	163	0	97.2	121.8	2977	0	1938
1232.0	2.0	7.9	49	215	166	0	97.5	122.0	2977	0	1941
1234.0	2.0	8.0	53	228	162	0	98.0	121.0	2981	0	1944
1236.0	2.0	8.0	54	232	164	0	98.0	121.0	2984	0	1947
1238.0	2.0	8.1	55	223	168	0	98.0	121.0	2979	0	1950
1240.0	2.0	8.3	59	223	164	0	98.0	121.0	2976	0	1953
1242.0	2.0	8.4	58	223	165	0	98.0	121.0	2975	0	1957
706											
1244.0	2.0	8.5	54	246	163	0	98.0	121.0	2978	0	1960
1246.0	2.0	8.6	54	246	164	0	98.0	121.0	2973	0	1963
1248.0	2.0	8.7	54	246	160	0	98.0	121.0	2910	0	1966
1250.0	2.0	8.7	54	246	161	0	98.0	121.0	2905	0	1969
1252.0	2.0	8.8	54	246	160	0	98.0	121.0	2927	0	1972
1254.0	2.0	8.9	54	246	156	0	98.0	121.0	2931	0	1975
1256.0	2.0	9.1	54	246	163	0	98.0	121.0	2935	0	1979
1258.0	2.0	9.2	54	215	157	0	98.0	121.0	2938	0	1982
1260.0	2.0	9.3	54	215	160	0	112.0	97.0	2938	0	1985
1262.0	2.0	9.4	54	191	162	0	112.0	97.0	2940	0	1988
726											
1264.0	2.0	9.5	54	168	161	0	112.0	97.0	2932	0	1991
1266.0	2.0	9.6	54	168	160	0	112.0	97.0	2928	0	1994
1268.0	2.0	9.7	54	168	160	0	112.0	97.0	2934	0	1998
1272.0	4.0	9.9	54	191	160	0	112.0	97.0	2947	0	2002
1274.0	2.0	10.0	53	215	162	0	112.0	97.0	2955	0	2007
1276.0	2.0	10.1	54	215	161	0	112.0	97.0	2955	0	2010
1280.0	4.0	10.2	52	234	164	0	112.0	97.0	2957	0	2015
1282.0	2.0	10.4	53	215	161	0	112.0	97.0	2959	0	2020
1284.0	2.0	10.5	53	215	162	0	112.0	97.0	2956	0	2023
1286.0	2.0	10.6	54	215	161	0	112.0	97.0	2956	0	2026
747											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	747										
1290.0	4.0	10.7	55	226	160	0	112.0	97.6	2956	0	2031
1292.0	2.0	10.8	55	215	159	0	112.0	93.6	2960	0	2035
1294.0	2.0	10.9	55	215	157	0	112.0	93.8	2960	0	2038
1296.0	2.0	11.0	55	215	160	0	112.0	94.2	2959	0	2042
1298.0	2.0	11.1	54	215	161	0	112.0	93.8	2955	0	2045
1300.0	2.0	11.2	54	233	158	0	112.0	96.8	2953	0	2048
1302.0	2.0	11.3	54	250	160	0	112.0	99.5	2955	0	2051
1304.0	2.0	11.4	54	215	161	0	112.0	95.3	2956	0	2054
1306.0	2.0	11.5	54	215	160	0	112.0	98.0	2959	0	2059
1308.0	2.0	11.6	54	231	163	0	112.0	98.0	2958	0	2062
	768										
1310.0	2.0	11.7	54	231	159	0	112.0	98.0	2959	0	2061
1312.0	2.0	11.8	55	215	160	0	112.0	98.0	2954	0	2060
1314.0	2.0	11.9	55	215	160	0	112.0	95.1	2952	0	2063
1318.0	4.0	12.1	55	238	161	0	112.0	96.7	2952	0	2068
1320.0	2.0	12.2	52	245	180	0	112.0	96.8	2943	0	2076
1322.0	2.0	12.3	53	245	192	0	112.0	95.5	2944	0	2083
1324.0	2.0	12.4	54	245	191	0	112.0	95.4	2943	0	2091
1326.0	2.0	12.5	53	245	192	0	112.0	95.3	2941	0	2097
1330.0	4.0	12.7	52	270	200	0	111.4	94.4	2941	0	2091
1332.0	2.0	12.8	54	264	189	0	104.5	94.7	2941	0	2094
	790										
1334.0	2.0	12.9	57	245	188	0	111.7	95.6	2930	0	2099
1336.0	2.0	13.0	52	245	198	0	113.3	95.9	2943	0	2105
1338.0	2.0	13.0	52	245	186	0	111.6	95.9	2943	0	2110
1340.0	2.0	13.1	52	286	194	0	105.9	93.7	2943	0	2114
1342.0	2.0	13.2	52	266	189	0	102.0	95.9	2941	0	2117
1344.0	2.0	13.3	52	245	189	0	102.0	98.7	2940	0	2120
1346.0	2.0	13.4	52	245	189	0	102.0	98.7	2940	0	2123
1348.0	2.0	13.5	52	266	190	0	102.0	97.3	2942	0	2123
1350.0	2.0	13.6	53	266	190	0	102.0	93.3	2939	0	2123
1352.0	2.0	13.7	53	245	192	0	102.0	93.5	2937	0	2128
	810										
1354.0	2.0	13.8	53	245	192	0	102.0	89.5	2939	0	2134
1356.0	2.0	13.9	51	245	194	0	102.0	86.0	2945	0	2139
1358.0	2.0	13.9	53	245	190	0	102.1	86.3	2947	0	2140
1360.0	2.0	14.0	53	245	198	0	102.4	87.1	2949	0	2140
1362.0	2.0	14.1	53	245	188	0	102.6	87.2	2946	0	2144
1364.0	2.0	14.2	53	245	192	0	102.9	87.2	2942	0	2149
1366.0	2.0	14.3	53	288	191	0	100.2	92.0	2930	0	2151
1368.0	2.0	14.4	53	288	192	0	98.2	97.2	2923	0	2155
1370.0	2.0	14.4	53	288	194	0	98.6	97.0	2927	0	2159
1372.0	2.0	14.5	53	245	192	0	98.7	97.2	2930	0	2165
	830										
1376.0	4.0	14.7	53	245	193	0	97.1	98.2	2937	0	2170
1378.0	2.0	14.8	53	245	200	0	96.1	99.1	2939	0	2169
1380.0	2.0	14.9	53	245	201	0	102.5	89.7	2937	0	2170
1382.0	2.0	15.0	53	245	198	0	102.5	88.7	2935	0	2173
1384.0	2.0	15.1	53	245	201	0	102.2	88.5	2934	0	2177
1386.0	2.0	15.2	53	232	200	0	100.6	88.7	2940	0	2178
1388.0	2.0	15.3	52	232	199	0	100.4	88.6	2939	0	2180
1390.0	2.0	15.4	52	232	200	0	100.8	88.8	2936	0	2185
1392.0	2.0	15.5	52	255	198	0	101.4	88.8	2934	0	2191
1394.0	2.0	15.6	52	255	195	0	100.7	90.1	2932	0	2199
	850										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	850										
1396.0	2.0	15.7	52	255	196	0	97.6	93.3	2929	0	2202
1398.0	2.0	15.7	52	255	200	0	101.3	93.3	2931	0	2206
1400.0	2.0	15.8	52	255	197	0	100.8	93.8	2934	0	2211
1402.0	2.0	15.9	52	254	197	0	105.8	93.8	2935	0	2214
1404.0	2.0	16.0	52	243	203	0	96.9	94.4	2932	0	2217
1406.0	2.0	16.1	52	254	199	0	96.0	95.5	2928	0	2220
1408.0	2.0	16.1	52	254	197	0	96.3	96.1	2927	0	2222
1410.0	2.0	16.2	52	254	201	0	96.4	95.7	2924	0	2226
1412.0	2.0	16.3	52	254	197	0	96.6	95.6	2925	0	2229
1414.0	2.0	16.4	52	266	200	0	96.4	95.6	2926	0	2232
	870										
1416.0	2.0	16.5	52	255	204	0	98.3	92.3	2930	0	2236
1418.0	2.0	16.6	52	255	199	0	99.6	93.8	2933	0	2245
1420.0	2.0	16.7	52	255	200	0	99.4	93.9	2932	0	2253
1422.0	2.0	16.8	52	255	200	0	99.6	93.6	2932	0	2261
1424.0	2.0	16.8	52	256	203	0	99.3	93.7	2931	0	2264
1426.0	2.0	16.9	52	256	203	0	100.3	94.7	2929	0	2263
1428.0	2.0	17.0	52	256	197	0	103.8	95.4	2922	0	2260
1430.0	2.0	17.1	52	256	199	0	101.7	95.4	2918	0	2260
1432.0	2.0	17.2	52	256	201	0	101.8	95.1	2909	0	2261
1434.0	2.0	17.3	52	256	202	0	100.3	89.5	2887	0	2262
	890										
1436.0	2.0	17.4	52	256	203	0	100.8	90.0	2878	0	2265
1438.0	2.0	17.5	53	256	203	0	100.7	89.8	2866	0	2268
1440.0	2.0	17.6	54	256	202	0	100.4	89.8	2864	0	2272
1442.0	2.0	17.7	51	256	205	0	99.7	92.0	2859	0	2275
1444.0	2.0	17.7	54	256	202	0	99.2	93.3	2857	0	2278
1446.0	2.0	17.8	55	256	201	0	98.9	93.2	2856	0	2281
1448.0	2.0	17.9	51	256	205	0	99.4	93.2	2855	0	2284
1452.0	4.0	18.1	53	262	206	0	99.0	94.6	2858	0	2289
1454.0	2.0	18.2	53	256	202	0	98.7	96.1	2852	0	2294
1456.0	2.0	18.3	53	256	196	0	99.0	95.9	2798	0	2297
	911										
1458.0	2.0	18.4	53	253	192	0	99.0	96.4	2746	0	2300
1460.0	2.0	18.5	53	250	194	0	99.0	97.0	2735	0	2303
1462.0	2.0	18.6	53	250	195	0	99.0	94.3	2735	0	2306
1464.0	2.0	18.7	53	250	195	0	99.0	92.3	2852	0	2309
1466.0	2.0	18.8	53	250	191	0	99.0	92.5	2740	0	2313
1468.0	2.0	18.9	53	250	193	0	99.0	92.5	2734	0	2316
1470.0	2.0	19.0	53	250	199	0	99.0	91.6	2731	0	2319
1472.0	2.0	19.2	53	250	204	0	99.0	87.1	2699	0	2322
1474.0	2.0	19.3	53	256	204	0	99.0	87.3	2710	0	2325
1476.0	2.0	19.4	53	256	196	0	99.0	93.3	2707	0	2328
	931										
1480.0	4.0	19.5	53	272	195	0	99.0	99.9	2718	0	2333
1482.0	2.0	19.7	53	256	205	0	93.9	117.5	2745	0	2338
1484.0	2.0	19.8	53	256	206	0	89.6	111.1	2730	0	2341
1486.0	2.0	20.0	53	256	207	0	93.7	117.5	2719	0	2344
1488.0	2.0	20.1	53	256	208	0	93.7	117.7	2716	0	2347
1490.0	2.0	20.2	53	256	203	0	113.1	98.9	2881	0	2342
1492.0	2.0	20.3	53	256	199	0	117.0	94.4	2923	0	2342
1494.0	2.0	20.4	53	256	197	0	90.1	113.4	2922	0	2345
1496.0	2.0	20.5	53	256	198	0	90.1	112.0	2921	0	2348
1498.0	2.0	20.6	53	256	199	0	94.7	112.0	2922	0	2351
	952										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	952										
1500.0	2.0	20.8	53	256	200	0	111.0	105.6	2922	0	2355
1502.0	2.0	20.9	53	256	198	0	123.6	99.0	2918	0	2360
1504.0	2.0	21.0	53	256	200	0	123.7	98.7	2917	0	2366
1506.0	2.0	21.0	53	256	197	0	123.9	98.9	2919	0	2371
1508.0	2.0	21.1	53	256	201	0	112.1	101.4	2920	0	2375
1510.0	2.0	21.2	54	256	202	0	96.9	105.0	2921	0	2376
1512.0	2.0	21.3	52	256	204	0	97.5	105.2	2920	0	2380
1514.0	2.0	21.4	53	256	203	0	97.7	105.5	2921	0	2385
1516.0	2.0	21.6	52	275	204	0	97.6	106.8	2917	0	2389
1518.0	2.0	21.7	53	257	204	0	94.6	106.3	2924	0	2384
	972										
1520.0	2.0	21.8	52	257	205	0	95.3	107.1	2933	0	2387
1522.0	2.0	21.9	54	257	203	0	95.6	105.9	2939	0	2390
1524.0	2.0	22.1	57	257	200	0	95.0	106.1	2939	0	2393
1526.0	2.0	22.2	54	257	203	0	97.0	105.3	2941	0	2396
1528.0	2.0	22.3	54	257	203	0	99.1	102.7	2944	0	2399
1530.0	2.0	22.5	57	257	200	0	99.1	103.9	2946	0	2403
1532.0	2.0	22.6	55	257	202	0	99.5	103.6	2946	0	2406
1534.0	2.0	22.7	55	257	202	0	99.2	103.3	2947	0	2409
1536.0	2.0	22.8	54	271	202	0	99.2	103.9	2950	0	2412
1538.0	2.0	22.9	54	257	204	0	98.4	103.0	2959	0	2415
	992										
1540.0	2.0	23.0	55	257	202	0	99.1	103.4	2960	0	2418
1542.0	2.0	23.2	56	257	201	0	99.3	103.8	2962	0	2421
1544.0	2.0	23.3	53	258	205	0	98.5	104.5	2961	0	2425
1546.0	2.0	23.4	54	258	204	0	97.5	105.2	2962	0	2428
1548.0	2.0	23.6	56	258	202	0	98.2	105.6	2969	0	2431
1550.0	2.0	23.7	52	258	199	0	98.1	105.4	2970	0	2434
1552.0	2.0	23.8	52	258	198	0	98.2	105.9	2967	0	2437
1556.0	4.0	24.1	52	258	201	0	98.3	104.6	3037	0	2442
1558.0	2.0	24.2	51	258	207	0	95.7	101.7	2992	0	2446
1560.0	2.0	24.3	51	258	207	0	98.1	103.0	3002	0	2450
	1013										
1562.0	2.0	24.5	51	258	207	0	98.0	101.5	2967	0	2453
1564.0	2.0	24.6	51	275	208	0	98.5	100.2	2850	0	2456
1566.0	2.0	24.7	51	292	208	0	95.0	107.0	2786	0	2459
1568.0	2.0	24.9	51	292	212	0	95.5	108.4	2861	0	2462
1570.0	2.0	25.0	51	258	210	0	95.5	109.2	2782	0	2465
1572.0	2.0	25.1	51	258	211	0	95.2	110.6	2710	0	2468
1574.0	2.0	25.3	51	260	214	0	94.0	110.7	2558	0	2472
1576.0	2.0	25.4	51	261	210	0	100.1	110.3	2500	0	2476
1578.0	2.0	25.5	52	261	209	0	104.4	110.7	2786	0	2482
1580.0	2.0	25.6	50	261	211	0	104.4	110.2	2690	0	2488
	1033										
1582.0	2.0	25.7	50	261	211	0	104.6	110.0	2999	0	2494
1584.0	2.0	25.8	52	279	214	0	112.7	55.3	2201	0	2500
1586.0	2.0	25.9	52	262	215	0	121.9	.0	859	0	2504
1588.0	2.0	26.1	52	262	214	0	122.0	.0	1722	0	2507
1590.0	2.0	26.2	50	262	213	0	99.9	113.9	2689	0	2510
1592.0	2.0	26.3	50	263	213	0	100.1	114.6	2673	0	2513
1594.0	2.0	26.4	52	278	211	0	100.0	111.3	2601	0	2516
1596.0	2.0	26.5	51	263	212	0	101.3	111.2	2740	0	2520
1598.0	2.0	26.6	51	263	212	0	101.7	111.8	2881	0	2523
1600.0	2.0	26.7	50	263	213	0	102.0	111.9	2843	0	2526
	1053										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1053											
1602.0	2.0	26.9	50	263	213	0	102.0	111.6	2823	0	2529
1604.0	2.0	27.0	49	263	214	0	92.2	113.9	2584	0	2532
1606.0	2.0	27.1	50	265	215	0	105.9	107.5	2777	0	2535
1608.0	2.0	27.2	50	265	215	0	105.9	107.2	2852	0	2539
1610.0	2.0	27.4	52	265	213	0	105.9	107.1	2661	0	2542
1611.0	1.0	27.4	53	265	212	0	105.8	106.9	2641	0	2544

NEW BIT ID: 5

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1622.0	.0	.4	50	254	204	0	95.3	104.7	2546	0	2553
1624.0	2.0	.5	48	254	206	0	94.9	104.6	2555	0	2558
1626.0	2.0	.6	50	254	204	0	94.7	104.6	2580	0	2563
1628.0	2.0	.7	52	254	202	0	94.9	103.5	2703	0	2568
1075											
1630.0	2.0	.7	50	254	204	0	94.6	103.6	2786	0	2574
1632.0	2.0	.8	48	273	208	0	97.9	103.9	2798	0	2577
1634.0	2.0	.9	47	255	212	0	99.6	102.1	2698	0	2583
1636.0	2.0	1.0	46	258	212	0	100.0	101.6	2691	0	2586
1638.0	2.0	1.0	49	260	211	0	99.5	102.5	2603	0	2590
1640.0	2.0	1.1	47	260	213	0	99.0	103.8	2596	0	2593
1642.0	2.0	1.2	50	278	217	0	93.9	105.7	2554	0	2594
1644.0	2.0	1.2	51	267	217	0	93.2	105.7	2595	0	2598
1646.0	2.0	1.3	49	267	218	0	93.5	107.2	2735	0	2602
1648.0	2.0	1.4	56	267	211	0	93.8	106.3	2476	0	2605
1095											
1650.0	2.0	1.5	54	266	212	0	93.8	106.1	2349	0	2606
1652.0	2.0	1.5	55	266	211	0	95.5	105.8	2916	0	2610
1654.0	2.0	1.6	57	266	209	0	96.0	103.7	2889	0	2615
1656.0	2.0	1.7	58	266	209	0	96.0	104.2	2803	0	2618
1658.0	2.0	1.7	58	266	208	0	95.9	103.4	2754	0	2622
1660.0	2.0	1.8	52	262	212	0	95.6	103.6	2716	0	2625
1662.0	2.0	1.9	55	279	211	0	94.3	104.8	2640	0	2626
1664.0	2.0	1.9	55	265	210	0	94.7	104.8	2707	0	2629
1666.0	2.0	2.0	57	265	208	0	94.1	105.0	2686	0	2631
1670.0	4.0	2.1	55	280	210	0	96.0	104.0	2634	0	2635
1115											
1672.0	2.0	2.2	54	265	215	0	99.5	102.9	2698	0	2641
1674.0	2.0	2.3	56	265	209	0	99.3	102.9	2874	0	2646
1676.0	2.0	2.3	54	263	210	0	99.9	102.6	2787	0	2650
1678.0	2.0	2.4	54	263	209	0	99.4	103.0	2880	0	2653
1680.0	2.0	2.5	47	265	217	0	99.2	103.1	2764	0	2650
1682.0	2.0	2.6	48	265	217	0	99.7	103.1	2636	0	2653
1684.0	2.0	2.7	54	265	211	0	98.9	103.9	2646	0	2656
1686.0	2.0	2.7	51	265	214	0	94.3	104.4	2525	0	2659
1688.0	2.0	2.8	49	265	216	0	94.4	104.9	2529	0	2664
1690.0	2.0	2.9	50	265	220	0	90.7	103.5	2372	0	2661
1134											
1692.0	2.0	3.0	50	265	220	0	93.3	102.3	2413	0	2665
1694.0	2.0	3.0	50	266	219	0	96.0	101.9	2519	0	2670
1696.0	2.0	3.1	50	266	218	0	96.0	102.8	2534	0	2675
1698.0	2.0	3.2	50	302	221	0	94.7	101.4	2633	0	2681
1700.0	2.0	3.3	50	284	218	0	93.8	104.0	2350	0	2683
1702.0	2.0	3.3	48	266	218	0	94.0	105.3	2320	0	2685
1704.0	2.0	3.4	47	266	219	0	93.7	104.1	2381	0	2687

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1147
1706.0	2.0	3.5	49	266	217	0	94.8	103.5	2422	0	2691
1708.0	2.0	3.6	46	286	224	0	92.5	102.3	2763	0	2694
1710.0	2.0	3.6	46	268	222	0	92.9	104.3	2804	0	2697
1712.0	2.0	3.7	46	268	222	0	93.0	103.4	2822	0	2700
1714.0	2.0	3.8	48	269	220	0	93.5	103.9	2807	0	2703
1716.0	2.0	3.9	49	269	220	0	93.4	103.5	2399	0	2710
1718.0	2.0	3.9	53	283	219	0	91.3	104.3	2409	0	2729
1720.0	2.0	4.0	48	268	222	0	98.6	76.9	1122	0	2736
1722.0	2.0	4.1	51	270	218	0	89.8	103.1	2497	0	2743
1724.0	2.0	4.1	52	270	218	0	92.0	105.9	2891	0	2750
1167
1726.0	2.0	4.2	53	270	217	0	93.0	105.7	2946	0	2758
1728.0	2.0	4.3	53	301	221	0	91.0	103.5	2834	0	2758
1730.0	2.0	4.3	53	301	218	0	90.6	104.2	2855	0	2762
1732.0	2.0	4.4	53	270	217	0	90.9	104.9	2867	0	2766
1734.0	2.0	4.5	53	270	217	0	91.1	104.9	2849	0	2769
1736.0	2.0	4.5	52	288	221	0	91.8	104.2	2798	0	2772
1738.0	2.0	4.6	51	270	224	0	98.4	25.6	1338	0	2778
1740.0	2.0	4.7	50	270	220	0	91.9	104.9	2884	0	2781
1742.0	2.0	4.8	48	270	222	0	86.8	91.8	2363	0	2783
1744.0	2.0	4.8	50	270	226	0	105.4	.0	879	0	2785
1187
1746.0	2.0	4.9	50	271	228	0	110.5	.1	914	0	2789
1748.0	2.0	5.0	50	273	228	0	109.5	.0	916	0	2793
1750.0	2.0	5.0	49	273	227	0	109.9	.0	930	0	2800
1752.0	2.0	5.1	48	273	225	0	110.4	.0	1230	0	2806
1754.0	2.0	5.2	53	273	220	0	90.5	105.0	2622	0	2810
1756.0	2.0	5.2	48	286	226	0	90.7	105.0	2786	0	2810
1758.0	2.0	5.3	50	300	224	0	97.5	105.0	2758	0	2810
1760.0	2.0	5.4	50	271	227	0	98.1	105.0	2861	0	2817
1762.0	2.0	5.4	46	271	225	0	97.9	105.0	2757	0	2819
1764.0	2.0	5.5	45	271	226	0	97.7	105.0	2714	0	2821
1207
1766.0	2.0	5.5	49	272	223	0	94.9	105.0	2694	0	2820
1768.0	2.0	5.6	49	273	224	0	93.3	105.0	2757	0	2822
1770.0	2.0	5.6	53	273	220	0	93.8	105.0	2725	0	2826
1772.0	2.0	5.7	54	273	219	0	93.9	105.0	2896	0	2829
1774.0	2.0	5.7	55	273	218	0	93.9	105.0	2927	0	2833
1776.0	2.0	5.8	55	298	220	0	93.0	105.0	2739	0	2832
1778.0	2.0	5.8	55	298	220	0	92.7	108.6	2747	0	2838
1780.0	2.0	5.9	55	298	220	0	92.9	105.1	2769	0	2844
1782.0	2.0	6.0	55	298	219	0	92.6	108.9	2764	0	2847
1784.0	2.0	6.0	55	298	222	0	91.7	102.1	2788	0	2851
1227
1786.0	2.0	6.1	55	235	221	0	91.9	103.3	2735	0	2851
1788.0	2.0	6.1	55	254	218	0	92.8	98.4	2796	0	2858
1790.0	2.0	6.2	55	273	218	0	92.6	106.1	2792	0	2864
1792.0	2.0	6.2	55	273	218	0	92.7	102.0	2786	0	2868
1794.0	2.0	6.3	52	273	221	0	92.9	102.0	2830	0	2868
1796.0	2.0	6.4	50	273	223	0	93.2	102.0	2681	0	2870
1798.0	2.0	6.4	54	273	219	0	93.6	102.0	2712	0	2873
1800.0	2.0	6.5	52	273	221	0	94.2	102.0	2813	0	2872
1802.0	2.0	6.6	52	273	221	0	93.5	102.0	2769	0	2873
1804.0	2.0	6.7	49	289	226	0	93.9	102.0	2781	0	2876
1247

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1247											
1806.0	2.0	6.7	51	274	222	0	92.7	102.0	2841	0	2878
1808.0	2.0	6.8	55	275	220	0	92.8	102.0	2821	0	2884
1810.0	2.0	6.9	54	275	221	0	92.5	102.0	2853	0	2887
1812.0	2.0	7.0	53	275	222	0	92.7	102.0	2841	0	2891
1814.0	2.0	7.0	55	308	225	0	92.8	102.0	2806	0	2893
1816.0	2.0	7.1	55	308	225	0	94.1	102.0	2800	0	2898
1818.0	2.0	7.2	55	308	223	0	94.1	102.0	2810	0	2903
1820.0	2.0	7.3	55	308	223	0	94.3	102.0	2840	0	2907
1822.0	2.0	7.3	55	308	225	0	94.2	102.0	2856	0	2911
1824.0	2.0	7.4	55	309	227	0	93.3	102.0	2833	0	2912
1267											
1826.0	2.0	7.5	55	278	223	0	92.7	102.0	2809	0	2914
1828.0	2.0	7.6	52	278	226	0	93.2	102.0	2817	0	2915
1830.0	2.0	7.6	51	278	227	0	93.3	102.0	2763	0	2917
1842.0	12.0	8.0	51	278	227	0	91.3	102.0	2823	0	2931
1844.0	2.0	8.2	51	278	227	0	90.3	102.0	2847	0	2936
1846.0	2.0	8.3	52	278	226	0	91.2	102.0	2866	0	2939
1848.0	2.0	8.4	53	278	225	0	91.5	102.0	2866	0	2942
1850.0	2.0	8.5	54	278	224	0	91.7	102.0	2761	0	2949
1852.0	2.0	8.6	53	310	227	0	90.4	102.0	2769	0	2949
1854.0	2.0	8.8	52	278	227	0	90.8	102.0	2850	0	2952
1288											
1856.0	2.0	8.9	51	278	227	0	91.0	102.0	2825	0	2956
1858.0	2.0	9.0	52	278	226	0	91.0	102.0	2851	0	2959
1860.0	2.0	9.1	53	278	225	0	91.0	102.0	2842	0	2966
1862.0	2.0	9.1	53	309	228	0	91.0	102.0	2834	0	2966
1864.0	2.0	9.2	53	278	224	0	91.0	102.0	2916	0	2970
1866.0	2.0	9.3	53	278	225	0	91.0	102.0	2919	0	2974
1868.0	2.0	9.4	53	278	225	0	91.1	102.0	2927	0	2977
1872.0	4.0	9.6	53	278	225	0	89.1	104.8	2951	0	2983
1874.0	2.0	9.7	53	278	225	0	86.9	106.4	2922	0	2985
1876.0	2.0	9.8	54	278	224	0	87.3	98.9	2849	0	2990
1309											
1878.0	2.0	9.8	53	278	225	0	87.0	99.8	2848	0	2995
1880.0	2.0	9.9	51	278	225	0	88.2	99.9	2873	0	3000
1882.0	2.0	10.0	51	277	226	0	89.3	99.4	2866	0	3004
1884.0	2.0	10.1	53	277	224	0	89.7	99.7	2796	0	3011
1886.0	2.0	10.2	53	277	224	0	89.5	99.5	2948	0	3015
1888.0	2.0	10.3	52	292	225	0	89.3	99.2	2986	0	3013
1890.0	2.0	10.3	51	292	227	0	89.0	98.2	2888	0	3016
1892.0	2.0	10.4	52	277	225	0	89.6	98.7	2931	0	3022
1894.0	2.0	10.5	53	277	224	0	89.5	97.6	2947	0	3026
1896.0	2.0	10.6	52	277	225	0	90.1	97.2	2920	0	3029
1329											
1898.0	2.0	10.6	51	296	226	0	89.5	97.0	2943	0	3031
1900.0	2.0	10.7	49	277	230	0	90.1	94.4	2857	0	3035
1902.0	2.0	10.8	50	277	227	0	90.8	95.6	2889	0	3038
1904.0	2.0	10.9	51	277	226	0	91.3	95.1	2856	0	3041
1906.0	2.0	11.0	50	277	227	0	91.8	94.9	2896	0	3044
1908.0	2.0	11.1	50	295	231	0	90.2	95.5	2916	0	3045
1910.0	2.0	11.1	50	277	227	0	89.4	95.5	2925	0	3050
1912.0	2.0	11.2	50	277	227	0	90.4	96.1	2956	0	3054
1914.0	2.0	11.4	51	277	226	0	90.7	95.5	2949	0	3055
1916.0	2.0	11.5	52	277	225	0	90.8	96.4	2928	0	3056
1349											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1349											
1918.0	2.0	11.6	51	314	233	0	89.5	97.1	2911	0	3059
1920.0	2.0	11.6	51	295	233	0	89.9	98.4	2923	0	3062
1922.0	2.0	11.7	51	277	230	0	89.9	99.0	2842	0	3065
1924.0	2.0	11.8	51	277	230	0	90.2	98.4	2853	0	3070
1926.0	2.0	11.9	51	295	233	0	89.2	98.1	2841	0	3074
1928.0	2.0	12.0	51	277	231	0	88.0	97.8	2819	0	3076
1930.0	2.0	12.1	51	278	231	0	88.8	97.7	2868	0	3075
1932.0	2.0	12.2	51	278	231	0	89.5	98.5	2884	0	3077
1934.0	2.0	12.4	51	278	231	0	89.4	98.5	2844	0	3079
1936.0	2.0	12.5	51	296	233	0	89.6	98.7	2840	0	3084
1369											
1938.0	2.0	12.6	51	281	232	0	90.8	97.9	2868	0	3087
1940.0	2.0	12.8	50	281	231	0	91.3	98.2	2901	0	3086
1942.0	2.0	12.9	51	281	230	0	91.3	98.8	2934	0	3085
1944.0	2.0	13.1	52	281	229	0	91.2	97.9	2989	0	3087
1946.0	2.0	13.2	52	281	232	0	91.6	98.2	2898	0	3090
1948.0	2.0	13.3	52	281	233	0	95.1	100.3	2796	0	3096
1950.0	2.0	13.4	51	281	230	0	94.4	100.6	2832	0	3101
1952.0	2.0	13.5	50	281	233	0	90.5	94.9	2811	0	3107
1954.0	2.0	13.5	51	281	234	0	90.1	95.2	2803	0	3113
1956.0	2.0	13.6	51	313	235	0	89.1	95.2	2823	0	3117
1389											
1958.0	2.0	13.7	51	296	235	0	89.0	94.7	2866	0	3122
1960.0	2.0	13.8	51	280	235	0	89.5	94.6	2873	0	3126
1962.0	2.0	13.9	51	280	235	0	89.4	94.4	2878	0	3130
1964.0	2.0	14.0	51	280	232	0	89.4	94.4	2885	0	3133
1966.0	2.0	14.0	51	280	233	0	88.6	96.0	2911	0	3136
1968.0	2.0	14.1	51	280	229	0	90.0	95.9	2871	0	3140
1970.0	2.0	14.2	52	280	228	0	89.8	96.3	2882	0	3143
1972.0	2.0	14.3	53	280	227	0	89.8	96.6	2880	0	3146
1974.0	2.0	14.4	52	280	228	0	89.6	95.5	2923	0	3149
1976.0	2.0	14.5	50	280	230	0	89.2	94.9	2844	0	3150
1409											
1978.0	2.0	14.6	50	280	231	0	89.1	95.0	2826	0	3153
1980.0	2.0	14.7	51	280	229	0	89.6	95.0	2795	0	3155
1982.0	2.0	14.8	50	280	230	0	89.5	94.7	2872	0	3158
1984.0	2.0	14.9	51	316	236	0	87.0	96.4	2835	0	3159
1986.0	2.0	15.0	51	316	231	0	87.4	98.2	2959	0	3165
1988.0	2.0	15.1	51	316	230	0	88.1	98.3	2989	0	3169
1990.0	2.0	15.2	51	298	232	0	88.1	98.7	3012	0	3173
1992.0	2.0	15.3	51	280	230	0	88.0	98.6	3013	0	3179
1994.0	2.0	15.4	51	306	238	0	86.2	93.6	2918	0	3179
1996.0	2.0	15.6	51	283	237	0	89.5	97.4	3018	0	3177
1429											
1998.0	2.0	15.7	51	283	236	0	90.0	97.0	3034	0	3176
2000.0	2.0	15.8	51	283	236	0	91.0	97.7	3054	0	3177
2002.0	2.0	15.9	51	283	236	0	90.9	97.7	3041	0	3183
2004.0	2.0	16.0	51	323	238	0	89.2	95.7	2968	0	3186
2006.0	2.0	16.1	51	284	237	0	89.5	94.4	2927	0	3191
2008.0	2.0	16.2	51	284	235	0	90.0	95.3	2942	0	3196
2010.0	2.0	16.3	51	284	234	0	90.7	94.6	2941	0	3199
2016.0	6.0	16.4	51	284	235	0	87.7	97.4	2926	0	3214
2018.0	2.0	16.5	51	284	236	0	85.7	98.9	2910	0	3222
2020.0	2.0	16.6	51	284	235	0	85.4	99.5	2927	0	3225
1450											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1450											
2022.0	2.0	16.7	51	297	237	0	85.5	99.0	2940	0	3227
2024.0	2.0	16.8	51	284	238	0	82.1	94.0	2897	0	3228
2026.0	2.0	16.9	51	285	237	0	80.9	93.7	2863	0	3231
2028.0	2.0	17.0	50	285	235	0	81.2	94.7	2852	0	3235
2030.0	2.0	17.0	52	285	233	0	81.6	95.3	2862	0	3239
2032.0	2.0	17.1	52	285	238	0	84.0	94.0	2904	0	3239
2034.0	2.0	17.2	52	285	237	0	87.3	93.2	2988	0	3246
2036.0	2.0	17.3	52	285	238	0	87.8	94.3	2991	0	3252
2038.0	2.0	17.4	52	285	242	0	87.6	93.9	2968	0	3257
2040.0	2.0	17.5	52	285	241	0	86.9	93.8	3000	0	3259
1470											
2042.0	2.0	17.6	52	286	245	0	87.3	94.6	3004	0	3259
2044.0	2.0	17.7	52	286	245	0	85.7	95.5	2998	0	3257
2046.0	2.0	17.8	52	286	244	0	86.2	96.0	3009	0	3259
2048.0	2.0	17.9	52	286	243	0	86.6	95.3	3001	0	3262
2050.0	2.0	18.0	52	286	243	0	87.1	95.1	2997	0	3265
2052.0	2.0	18.1	52	296	248	0	85.2	93.7	2939	0	3251
2054.0	2.0	18.2	52	302	254	0	41.4	102.2	1564	0	3235
2056.0	2.0	18.3	52	302	250	0	.0	107.1	1110	0	3230
2058.0	2.0	18.5	53	302	249	0	.0	108.7	1133	0	3225
2060.0	2.0	18.6	54	302	249	0	.0	108.4	1163	0	3220
1489											
2062.0	2.0	18.6	50	302	252	0	13.7	106.9	1535	0	3223
2064.0	2.0	18.7	50	302	252	0	82.7	95.5	2930	0	3224
2066.0	2.0	18.8	50	302	255	0	85.5	91.6	2881	0	3227
2076.0	10.0	19.4	43	326	277	0	91.3	99.0	2864	0	3233
2078.0	2.0	19.5	41	316	278	0	89.7	98.9	2850	0	3236
2080.0	2.0	19.6	40	316	277	0	92.1	98.4	2888	0	3239
2082.0	2.0	19.7	42	316	274	0	90.7	98.8	2885	0	3242
2084.0	2.0	19.9	42	315	274	0	90.4	99.4	2893	0	3245
2086.0	2.0	20.0	40	315	275	0	89.8	99.7	2862	0	3248
2090.0	4.0	20.3	40	315	276	0	89.6	100.4	2871	0	3253
1509											
2092.0	2.0	20.5	38	315	277	0	91.6	99.1	2784	0	3257
2094.0	2.0	20.6	37	315	278	0	91.2	97.7	2727	0	3260
2096.0	2.0	20.8	39	315	276	0	91.1	99.1	2836	0	3264
2098.0	2.0	21.0	37	315	278	0	91.1	99.2	2856	0	3267
2100.0	2.0	21.1	40	320	279	0	93.9	98.7	2900	0	3270
2102.0	2.0	21.3	42	320	278	0	91.9	99.0	2756	0	3273
2104.0	2.0	21.4	39	320	281	0	44.3	101.0	1738	0	3276
2106.0	2.0	21.6	40	320	280	0	.0	119.9	1118	0	3281
2108.0	2.0	21.7	43	330	281	0	13.1	116.2	1461	0	3286
2110.0	2.0	21.8	41	341	280	0	89.3	99.2	2867	0	3288
1529											
2112.0	2.0	22.0	41	320	280	0	90.6	98.8	2870	0	3290
2114.0	2.0	22.1	40	320	280	0	91.0	99.7	2829	0	3291
2116.0	2.0	22.2	41	320	279	0	91.3	99.8	2822	0	3290
2118.0	2.0	22.4	34	314	280	0	90.2	99.4	2833	0	3292
2120.0	2.0	22.5	41	321	280	0	89.7	100.1	2844	0	3294
2122.0	2.0	22.6	42	321	279	0	90.0	101.0	2857	0	3297
2124.0	2.0	22.8	44	321	277	0	89.8	100.0	2884	0	3301
2126.0	2.0	22.9	44	321	277	0	90.0	100.6	2873	0	3304
2127.0	1.0	23.0	43	321	278	0	89.5	100.5	2858	0	3306

NEW BIT ID: 6

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1549											
2144.0	.0	.1	45	0	0	0	86.5	88.0	2837	0	3472
2150.0	6.0	.6	50	0	0	0	87.0	88.0	2845	0	3482
2152.0	2.0	.8	42	0	0	0	86.5	88.0	2840	0	3485
2154.0	2.0	1.0	39	0	0	0	86.0	88.0	2839	0	3488
2156.0	2.0	1.9	55	0	0	0	84.5	88.0	2570	0	3491
2158.0	2.0	3.5	55	0	0	0	91.0	88.0	2530	0	3494
2160.0	2.0	3.6	53	0	0	0	90.0	88.0	2686	0	3500
2162.0	2.0	3.7	56	0	0	0	88.0	92.0	2647	0	3511
2164.0	2.0	3.8	56	0	0	0	86.0	93.5	2667	0	3517
2166.0	2.0	3.9	53	0	0	0	89.5	90.0	2645	0	3523
1567											
2168.0	2.0	4.1	53	0	0	0	86.0	90.5	2581	0	3531
2170.0	2.0	4.2	51	0	0	0	83.0	91.5	2569	0	3539
2172.0	2.0	4.4	53	0	0	0	84.0	91.5	2640	0	3541
2174.0	2.0	4.6	55	0	0	0	84.0	92.0	2560	0	3541
2176.0	2.0	4.8	55	0	0	0	85.0	90.0	2614	0	3545
2178.0	2.0	4.9	55	0	0	0	88.0	87.0	2662	0	3548
2180.0	2.0	5.0	54	0	0	0	88.0	86.5	2656	0	3551
2182.0	2.0	5.2	55	0	0	0	88.5	87.0	2692	0	3554
2184.0	2.0	5.3	53	0	0	0	87.5	88.5	2631	0	3557
2186.0	2.0	5.4	54	0	0	0	84.0	93.0	2599	0	3561
1585											
2188.0	2.0	5.5	56	0	0	0	88.0	90.0	2592	0	3565
2190.0	2.0	5.6	53	0	0	0	89.0	90.0	2620	0	3568
2192.0	2.0	5.7	51	0	0	0	88.0	89.0	2636	0	3570
2194.0	2.0	5.8	55	0	0	0	89.0	87.0	2617	0	3574
2196.0	2.0	5.9	54	0	0	0	89.0	85.0	2619	0	3578
2198.0	2.0	6.0	52	0	0	0	85.0	89.0	3087	0	3580
2200.0	2.0	6.1	52	0	0	0	85.0	89.0	2595	0	3584
2202.0	2.0	6.2	51	0	0	0	85.0	89.0	2624	0	3587
2204.0	2.0	6.3	50	0	0	0	84.0	93.0	2706	0	3591
2206.0	2.0	6.4	53	0	0	0	84.0	94.0	2738	0	3594
1598											
2208.0	2.0	6.5	52	0	0	0	84.0	93.5	2707	0	3597
2210.0	2.0	6.6	52	0	0	0	87.5	92.5	2744	0	3600
2214.0	4.0	6.8	51	0	0	0	83.0	93.0	2706	0	3606
2216.0	2.0	6.9	56	0	0	0	83.0	93.5	2719	0	3610
2218.0	2.0	7.1	51	0	0	0	83.0	94.0	2810	0	3613
2220.0	2.0	7.2	51	0	0	0	83.0	92.5	2708	0	3616
2224.0	4.0	7.4	51	0	0	0	82.7	92.0	2723	0	3621
2226.0	2.0	7.5	50	0	0	0	82.0	92.0	2705	0	3619
2228.0	2.0	7.6	52	0	0	0	83.0	92.0	2779	0	3616
2230.0	2.0	7.8	52	0	0	0	83.0	92.0	2859	0	3619
1618											
2232.0	2.0	7.9	52	0	0	0	83.0	92.0	2739	0	3626
2234.0	2.0	8.0	51	0	0	0	83.0	88.5	2722	0	3633
2236.0	2.0	8.1	52	0	0	0	83.0	88.5	2795	0	3640
2238.0	2.0	8.2	54	0	0	0	83.5	88.0	2663	0	3646
2240.0	2.0	8.3	52	0	0	0	84.0	89.0	2673	0	3651
2242.0	2.0	8.5	52	0	0	0	82.0	89.0	2629	0	3655
2244.0	2.0	8.5	53	0	0	0	80.5	90.0	2717	0	3657
2246.0	2.0	8.7	54	0	0	0	80.0	90.0	2544	0	3661
2248.0	2.0	8.8	55	0	0	0	85.5	91.0	2807	0	3664
2250.0	2.0	8.9	54	0	0	0	87.5	90.0	2776	0	3667
1635											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
	1635										
2252.0	2.0	9.0	50	0	0	0	82.0	89.0	2583	0	3671
2254.0	2.0	9.1	53	0	0	0	83.0	86.0	2571	0	3674
2256.0	2.0	9.2	55	0	0	0	83.0	86.0	2649	0	3677
2258.0	2.0	9.4	56	0	0	0	84.0	86.0	2558	0	3681
2260.0	2.0	9.5	55	0	0	0	83.9	86.0	2631	0	3684
2262.0	2.0	9.5	54	0	0	0	82.5	88.0	2782	0	3687
2264.0	2.0	9.6	54	0	0	0	82.0	90.0	2683	0	3690
2266.0	2.0	9.7	56	0	0	0	83.0	90.0	2633	0	3694
2268.0	2.0	9.8	55	0	0	0	83.0	90.0	2654	0	3697
2270.0	2.0	9.9	56	0	0	0	83.0	90.0	2718	0	3700
	1647										
2272.0	2.0	10.0	54	0	0	0	78.5	93.5	2757	0	3703
2274.0	2.0	10.1	53	0	0	0	78.0	93.0	2681	0	3707
2276.0	2.0	10.2	53	0	0	0	78.0	93.0	2717	0	3710
2278.0	2.0	10.2	51	0	0	0	78.5	93.5	2807	0	3713
2280.0	2.0	10.3	54	0	0	0	74.0	87.0	2756	0	3717
2282.0	2.0	10.4	52	0	0	0	79.0	89.5	2687	0	3719
2284.0	2.0	10.5	53	0	0	0	79.0	89.0	2720	0	3723
2286.0	2.0	10.6	54	0	0	0	80.0	89.0	2784	0	3726
2288.0	2.0	10.8	53	0	0	0	80.0	88.0	2918	0	3730
2290.0	2.0	10.9	51	0	0	0	81.5	85.5	2937	0	3732
	1662										
2292.0	2.0	11.0	50	0	0	0	79.5	86.0	2865	0	3736
2294.0	2.0	11.2	52	0	0	0	82.0	86.0	2906	0	3739
2296.0	2.0	11.2	52	0	0	0	82.5	85.5	2881	0	3725
2310.0	14.0	11.8	53	0	0	0	82.5	85.0	2741	0	3736
2312.0	2.0	12.3	53	0	0	0	83.0	86.0	2552	0	3765
2314.0	2.0	12.5	53	0	0	0	83.0	299.0	2533	0	3768
2316.0	2.0	12.6	53	0	0	0	83.5	85.0	2555	0	3771
2318.0	2.0	12.7	51	0	0	0	83.5	87.0	2906	0	3774
2320.0	2.0	12.9	53	0	0	0	83.0	85.0	2960	0	3777
2322.0	2.0	13.1	53	0	0	0	84.5	85.0	2924	0	3781
	1680										
2324.0	2.0	13.2	52	0	0	0	84.0	85.0	2885	0	3784
2326.0	2.0	13.3	54	0	0	0	81.0	85.0	2783	0	3787
2328.0	2.0	13.5	52	0	0	0	79.0	87.0	2761	0	3791
2330.0	2.0	13.6	51	0	0	0	81.0	89.0	2946	0	3794
2332.0	2.0	13.7	52	0	0	0	84.0	87.5	2858	0	3797
2334.0	2.0	13.9	54	0	0	0	81.0	85.0	2833	0	3800
2336.0	2.0	14.0	55	0	0	0	81.0	84.5	2831	0	3804
2338.0	2.0	14.2	55	0	0	0	81.0	84.0	2514	0	3807
2340.0	2.0	14.4	55	0	0	0	84.0	81.0	2698	0	3810
2342.0	2.0	14.5	52	0	0	0	77.0	86.0	2715	0	3813
	1697										
2344.0	2.0	14.7	46	0	0	0	76.5	88.0	2799	0	3817
2346.0	2.0	14.9	45	0	0	0	76.0	87.5	3187	0	3820
2348.0	2.0	15.1	51	0	0	0	77.5	87.5	2647	0	3823
2350.0	2.0	15.3	50	0	0	0	78.0	88.5	2645	0	3826
2352.0	2.0	15.4	52	0	0	0	78.0	87.0	2946	0	3830
2354.0	2.0	15.6	54	0	0	0	78.0	87.5	2865	0	3833
2356.0	2.0	15.8	51	0	0	0	78.0	87.5	2899	0	3836
2358.0	2.0	16.0	49	0	0	0	80.0	84.5	2887	0	3839
2360.0	2.0	16.1	51	0	0	0	80.5	85.0	2901	0	3843
2362.0	2.0	16.4	51	0	0	0	81.0	84.0	2936	0	3846
	1716										

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1716											
2364.0	2.0	16.5	56	0	0	0	80.5	83.0	2917	0	3849
2366.0	2.0	16.7	52	0	0	0	79.5	84.5	2854	0	3852
2368.0	2.0	16.9	51	0	0	0	80.5	85.5	2829	0	3856
2370.0	2.0	17.1	53	0	0	0	80.0	86.0	2852	0	3859
2372.0	2.0	17.3	53	0	0	0	80.0	84.0	2818	0	3862
2374.0	2.0	17.5	54	0	0	0	80.0	84.0	2789	0	3865
2386.0	12.0	18.1	45	169	149	0	86.0	87.6	2823	0	3866
2388.0	2.0	18.6	39	337	298	0	82.4	88.9	2894	0	3866
2390.0	2.0	18.8	52	348	296	0	82.3	88.9	2930	0	3869
2392.0	2.0	19.0	52	348	296	0	82.3	88.8	2933	0	3873
1736											
2396.0	4.0	19.2	51	362	298	0	82.1	89.6	2989	0	3878
2398.0	2.0	19.5	49	348	299	0	81.9	89.2	2943	0	3882
2400.0	2.0	19.7	50	348	298	0	82.3	89.5	2892	0	3886
2402.0	2.0	20.0	50	348	298	0	79.2	86.3	2453	0	3889
2404.0	2.0	20.2	50	348	293	0	110.6	.6	1277	0	3896
2406.0	2.0	20.4	49	348	299	0	80.6	90.0	2576	0	3905
2408.0	2.0	20.7	50	348	298	0	80.5	91.7	2905	0	3915
2410.0	2.0	20.9	51	348	297	0	80.6	91.5	2741	0	3922
NEW BIT ID: -1 CORE # 1											
2412.0	2.0	1.7	20	314	303	0	59.8	.0	940	0	3868
2414.0	2.0	1.9	20	323	303	0	60.3	.0	986	0	3871
1760											
2416.0	2.0	2.2	20	323	303	0	59.8	.0	921	0	3874
2418.0	2.0	2.7	20	323	303	0	58.9	.0	899	0	3877
2420.0	2.0	3.2	21	323	302	0	58.1	.0	860	0	3880
2422.0	2.0	3.7	19	323	304	0	58.6	.0	864	0	3884
2424.0	2.0	4.0	19	324	304	0	58.2	.0	888	0	3887
2425.0	1.0	4.2	21	324	307	0	57.9	.0	961	0	3890
NEW BIT ID: -2 CORE # 2											
2426.0	.0	.2	5	327	320	0	55.9	.0	667	0	3894
2430.0	4.0	1.0	26	323	297	0	.0	58.2	989	0	3899
2432.0	2.0	2.3	28	320	292	0	.0	60.8	1149	0	3904
2434.0	2.0	3.3	27	319	289	0	.0	61.1	1183	0	3907
1792											
2436.0	2.0	4.4	25	315	290	0	.0	61.3	1178	0	3911
2437.0	1.0	5.2	27	315	288	0	.0	60.7	1208	0	3913
NEW BIT ID: 7											
2438.0	.0	.1	44	370	326	0	84.2	88.2	2812	0	3904
2440.0	2.0	.5	48	370	321	0	82.6	88.4	2623	0	3907
2442.0	2.0	.7	55	365	309	0	81.3	88.7	2773	0	3910
2444.0	2.0	1.1	55	365	308	0	83.3	89.3	2723	0	3916
2446.0	2.0	1.5	55	365	310	0	82.8	88.5	2732	0	3928
2448.0	2.0	1.6	56	365	309	0	83.0	87.6	2718	0	3938
2450.0	2.0	1.8	56	365	309	0	86.6	86.2	2465	0	3944
2452.0	2.0	1.9	54	360	307	0	87.1	87.6	2447	0	3947
1817											
2454.0	2.0	2.1	52	360	308	0	87.7	86.7	2417	0	3950
2456.0	2.0	2.2	53	360	307	0	87.6	86.1	2550	0	3954
2458.0	2.0	2.3	52	360	308	0	88.1	84.9	2409	0	3948
2460.0	2.0	2.4	50	362	315	0	87.9	82.9	2330	0	3943

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1825											
2462.0	2.0	2.5	49	368	318	0	87.9	82.6	2361	0	3949
2464.0	2.0	2.6	49	368	319	0	87.6	82.6	2426	0	3955
2466.0	2.0	2.7	47	368	321	0	87.9	82.5	2312	0	3960
2468.0	2.0	2.8	48	368	320	0	87.7	83.0	2337	0	3967
2470.0	2.0	2.9	57	379	319	0	86.4	84.8	2404	0	3973
2472.0	2.0	3.0	52	370	318	0	86.3	85.7	2432	0	3980
2474.0	2.0	3.1	51	370	319	0	86.8	85.8	2369	0	3988
2476.0	2.0	3.1	49	370	321	0	87.2	86.3	2335	0	3993
2478.0	2.0	3.2	49	380	322	0	87.1	85.5	2541	0	3996
2480.0	2.0	3.3	53	370	319	0	88.0	86.2	2271	0	3997
1845											
2482.0	2.0	3.4	50	370	320	0	83.1	78.7	1936	0	4002
2484.0	2.0	3.5	50	370	320	0	74.2	80.7	1891	0	4009
2486.0	2.0	3.6	50	370	320	0	74.3	80.6	1881	.0	4016
2488.0	2.0	3.7	52	384	320	0	73.7	81.2	1932	0	4017
2490.0	2.0	3.9	53	397	319	0	72.5	83.5	1849	0	4013
2492.0	2.0	4.0	53	385	320	0	76.6	84.7	2021	0	4016
2494.0	2.0	4.2	54	373	318	0	67.7	99.9	1579	0	4017
2496.0	2.0	4.4	54	373	319	0	.0	118.2	980	0	4018
2498.0	2.0	4.5	53	373	320	0	.0	119.9	990	0	4019
2500.0	2.0	4.7	50	373	324	0	.0	124.5	1241	0	4020
1865											
2502.0	2.0	4.8	47	373	326	0	.0	125.0	1326	0	4026
2504.0	2.0	4.9	51	374	322	0	.0	125.3	1146	0	4032
2506.0	2.0	5.1	51	375	324	0	38.3	88.6	1277	0	4038
2508.0	2.0	5.2	54	386	325	0	72.9	76.3	1949	0	4042
2510.0	2.0	5.3	50	375	325	0	74.8	73.5	1979	0	4047
2512.0	2.0	5.5	48	375	327	0	75.2	72.8	1987	0	4050
2514.0	2.0	5.6	44	375	331	0	75.8	73.2	1969	0	4055
2516.0	2.0	5.7	47	375	328	0	75.3	73.3	2035	0	4055
2518.0	2.0	5.9	50	375	325	0	71.6	79.2	2192	0	4052
2520.0	2.0	6.1	52	375	323	0	71.5	79.6	1975	0	4054
1885											
2522.0	2.0	6.2	51	375	324	0	71.2	79.8	1991	0	4058
2524.0	2.0	6.3	51	375	324	0	71.7	80.2	1867	0	4061
2526.0	2.0	6.6	55	385	323	0	75.6	83.3	1914	0	4064
2528.0	2.0	6.7	72	395	323	0	78.2	79.6	2144	0	4070
2530.0	2.0	6.9	50	375	326	0	78.4	79.6	2124	0	4075
2532.0	2.0	7.0	48	375	327	0	78.5	80.0	2175	0	4078
2534.0	2.0	7.2	51	375	324	0	78.7	79.8	2174	0	4079
2536.0	2.0	7.4	52	377	324	0	76.9	78.9	2097	0	4081
2538.0	2.0	7.6	54	377	323	0	75.6	78.9	2096	0	4085
2540.0	2.0	7.9	52	377	325	0	75.7	79.2	2112	0	4088
1905											
2542.0	2.0	8.0	51	377	326	0	75.4	78.8	2102	0	4091
2546.0	4.0	8.5	52	377	326	0	77.0	79.5	2180	0	4096
2548.0	2.0	8.7	49	377	328	0	79.9	76.6	2153	0	4101
2550.0	2.0	8.9	49	377	328	0	80.2	75.8	2159	0	4104
2552.0	2.0	9.0	51	377	326	0	80.4	76.3	2166	0	4107
2554.0	2.0	9.2	49	377	328	0	80.6	75.9	2166	0	4111
2556.0	2.0	9.3	49	377	331	0	77.6	79.5	2165	0	4114
2558.0	2.0	9.4	46	377	331	0	74.5	81.9	2159	0	4117
2560.0	2.0	9.5	46	377	331	0	74.8	81.7	2175	0	4122
2562.0	2.0	9.6	46	377	331	0	74.9	82.3	2180	0	4129
1925											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
1925											
2566.0	4.0	9.8	51	385	325	0	76.1	80.6	2187	0	4135
2568.0	2.0	10.1	50	377	327	0	79.0	78.5	2158	0	4140
2570.0	2.0	10.3	48	376	329	0	79.3	78.7	2222	0	4143
2572.0	2.0	10.5	50	376	326	0	79.4	78.4	2218	0	4142
2574.0	2.0	10.6	51	376	325	0	79.7	78.0	2217	0	4144
2576.0	2.0	10.9	51	378	326	0	77.1	79.7	2210	0	4148
2578.0	2.0	11.3	57	379	322	0	78.7	81.6	2220	0	4151
2580.0	2.0	11.6	56	379	323	0	82.3	84.4	2091	0	4154
2582.0	2.0	12.0	57	379	322	0	82.3	84.5	2108	0	4157
2584.0	2.0	12.2	55	379	324	0	82.3	85.6	2081	0	4160
1946											
2586.0	2.0	12.6	53	379	326	0	79.5	89.2	2135	0	4164
2588.0	2.0	12.9	54	379	325	0	79.8	87.3	2155	0	4167
2590.0	2.0	13.2	56	379	323	0	80.5	87.7	2125	0	4170
2592.0	2.0	13.5	53	379	326	0	78.7	86.1	2078	0	4173
2594.0	2.0	14.0	58	387	326	0	77.7	85.5	1989	0	4177
2596.0	2.0	14.2	53	380	327	0	78.2	85.3	1777	0	4180
2598.0	2.0	14.4	53	380	327	0	78.3	85.3	1967	0	4183
2600.0	2.0	14.7	55	380	325	0	78.5	85.3	2089	0	4186
2602.0	2.0	15.0	52	380	328	0	78.7	85.0	2190	0	4189
2604.0	2.0	15.2	48	380	332	0	79.1	81.2	2046	0	4193
1966											
2606.0	2.0	15.4	49	381	331	0	79.0	80.9	2096	0	4196
2608.0	2.0	15.7	52	382	330	0	76.6	78.0	2125	0	4199
2610.0	2.0	16.1	53	382	329	0	76.6	77.9	2073	0	4202
2612.0	2.0	16.4	47	382	335	0	76.6	77.1	2112	0	4206
2614.0	2.0	16.7	49	383	333	0	72.7	80.5	2108	0	4197
2616.0	2.0	17.0	52	383	331	0	67.5	79.8	1887	0	4199
2618.0	2.0	17.4	55	383	328	0	112.3	7.9	1288	0	4204
2620.0	2.0	17.9	50	383	333	0	114.7	.0	1492	0	4215
2622.0	2.0	18.4	51	383	332	0	111.2	.0	1440	0	4223
2624.0	2.0	18.7	53	383	330	0	113.1	.0	1488	0	4225
1986											
2626.0	2.0	19.0	54	383	329	0	114.0	.0	1525	0	4228
2628.0	2.0	19.4	56	383	327	0	115.5	.2	1534	0	4232
2630.0	2.0	19.8	55	383	328	0	83.0	61.0	2440	0	4235
2632.0	2.0	20.1	58	398	332	0	36.7	93.3	2064	0	4238
2634.0	2.0	20.6	53	383	331	0	.0	110.8	1489	0	4241
2636.0	2.0	21.1	52	383	331	0	32.3	94.1	1972	0	4244
2638.0	2.0	21.4	52	383	331	0	76.4	72.2	2481	0	4248
2640.0	2.0	21.9	53	383	330	0	84.9	82.0	2255	0	4251
2642.0	2.0	22.1	58	399	331	0	68.2	88.8	2396	0	4254
2644.0	2.0	22.5	54	384	330	0	78.3	87.1	2407	0	4257
2007											
2646.0	2.0	22.8	56	384	328	0	78.2	86.1	2322	0	4261
2648.0	2.0	23.1	55	384	329	0	78.1	85.0	2241	0	4264
2650.0	2.0	23.5	58	384	326	0	77.9	85.9	2332	0	4267
2652.0	2.0	24.1	55	385	332	0	84.0	77.3	2325	0	4270
2654.0	2.0	24.5	54	385	331	0	84.9	67.8	2423	0	4273
2656.0	2.0	24.7	53	385	332	0	84.9	82.1	2529	0	4277
2658.0	2.0	25.2	55	385	330	0	84.3	64.8	2524	0	4280
2660.0	2.0	25.8	55	385	330	0	83.9	80.5	2536	0	4283
2662.0	2.0	26.2	64	400	337	0	82.4	83.7	2399	0	4286
2664.0	2.0	26.7	50	385	335	0	83.3	83.9	2354	0	4289
2028											

DEPTH	STEP	CHRS	WOB	HKLDX	HKLD	BWOV	SPM1	SPM2	PMPR	PCSG	HSP
2028											
2666.0	2.0	27.7	61	385	324	0	83.7	66.7	1900	0	4292
2668.0	2.0	28.2	63	385	322	0	83.9	12.2	1602	0	4296
2670.0	2.0	28.8	64	384	321	0	75.2	46.9	2072	0	4299
2672.0	2.0	29.5	60	382	322	0	.0	114.6	1540	0	4301
2674.0	2.0	30.1	59	382	323	0	42.1	81.8	2198	0	4306
2676.0	2.0	30.7	59	382	323	0	75.4	70.6	2496	0	4309
2678.0	2.0	31.4	61	382	321	0	75.5	61.9	2488	0	4311
2680.0	2.0	32.1	63	382	322	0	75.9	73.2	2512	0	4315
2682.0	2.0	32.8	61	382	321	0	77.2	73.4	2528	0	4318
2684.0	2.0	33.9	61	382	321	0	80.7	70.2	2514	0	4322
2059											
2685.0	1.0	34.5	64	382	318	0	87.3	79.5	2543	0	4323

PE603440

This is an enclosure indicator page.
The enclosure PE603440 is enclosed within the
    container PE906130 at this location in this
    document.

The enclosure PE603440 has the following characteristics:
         ITEM_BARCODE = PE603440
    CONTAINER_BARCODE = PE906130
                 NAME = ES Drill Log
                BASIN = GIPPSLAND
               PERMIT = VIC/P1
                 TYPE = WELL
              SUBTYPE = WELL_LOG
          DESCRIPTION = Drill Log for Fortescue-1 containing
                        Rate of Penetration shale density and
                        Corrected 'd' Exponent.
              REMARKS =
         DATE_CREATED = 09/07/1978
        DATE_RECEIVED = 09/04/1979
                 W_NO = W702
            WELL_NAME = FORTESCUE-1
           CONTRACTOR = CORE LABORATORIES AUSTRALIA LTD
          CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603441

This is an enclosure indicator page.
The enclosure PE603441 is enclosed within the
   container PE906130 at this location in this
   document.

The enclosure PE603441 has the following characteristics:
         ITEM_BARCODE = PE603441
    CONTAINER_BARCODE = PE906130
                 NAME = Temperature Log
                BASIN = GIPPSLAND
               PERMIT = VIC/P1
                 TYPE = WELL
              SUBTYPE = WELL_LOG
          DESCRIPTION = Temperature Log for Fortescue-1
              REMARKS =
         DATE_CREATED = 09/07/1978
        DATE_RECEIVED = 09/04/1979
                 W_NO = W702
            WELL_NAME = FORTESCUE-1
           CONTRACTOR = CORE LABORATORIES AUSTRALIA LTD
         CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603442

This is an enclosure indicator page.
The enclosure PE603442 is enclosed within the
   container PE906130 at this location in this
   document.

The enclosure PE603442 has the following characteristics:
       ITEM_BARCODE = PE603442
  CONTAINER_BARCODE = PE906130
               NAME = Pressure Log
              BASIN = GIPPSLAND
             PERMIT = VIC/P1
               TYPE = WELL
            SUBTYPE = WELL_LOG
        DESCRIPTION = ESP Pressure Log for Fortescue-1
            REMARKS =
       DATE_CREATED = 09/07/1978
      DATE_RECEIVED = 09/04/1979
               W_NO = W702
          WELL_NAME = FORTESCUE-1
         CONTRACTOR = CORE LABORATORIES AUSTRALIA LTD
        CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603443

This is an enclosure indicator page.
The enclosure PE603443 is enclosed within the
   container PE906130 at this location in this
   document.

The enclosure PE603443 has the following characteristics:
         ITEM_BARCODE = PE603443
    CONTAINER_BARCODE = PE906130
                 NAME = Geoplot
                BASIN = GIPPSLAND
               PERMIT = VIC/P1
                 TYPE = WELL
              SUBTYPE = WELL_LOG
          DESCRIPTION = Geo-plot for Fortescue-1 containing
                        porosity and pore pressure data.
              REMARKS =
         DATE_CREATED = 09/07/1978
        DATE_RECEIVED = 09/04/1979
                 W_NO = W702
            WELL_NAME = FORTESCUE-1
           CONTRACTOR = CORE LABORATORIES AUSTRALIA LTD
         CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603444

This is an enclosure indicator page.
The enclosure PE603444 is enclosed within the
   container PE906130 at this location in this
   document.

The enclosure PE603444 has the following characteristics:
       ITEM_BARCODE = PE603444
  CONTAINER_BARCODE = PE906130
               NAME = Grapholog Mud Log
              BASIN = GIPPSLAND
             PERMIT = VIC/P1
               TYPE = WELL
            SUBTYPE = MUD_LOG
        DESCRIPTION = Grapholog Mud Log for Fortescue-1.
            REMARKS =
       DATE_CREATED = 09/07/1978
      DATE_RECEIVED = 09/04/1979
               W_NO = W702
          WELL_NAME = FORTESCUE-1
         CONTRACTOR = CORE LABORATORIES AUSTRALIA LTD
       CLIENT_OP_CO = ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)