

| | | | | |
|--|-----------|-------------|--|--|
| | LWD | See Remarks | | |
| | Telescope | 9.2C02 | | |

| | | | | | | | | | | |
|------------------------|----------|--------------|--|--|--|--|--|--|--|--|
| Run number | | 4 | | | | | | | | |
| Bit size | in | 9.50 | | | | | | | | |
| Bit start depth | m | 5388.0 | | | | | | | | |
| Bit end depth | m | 6456.0 | | | | | | | | |
| Top interval logged | m | 5481.0 | | | | | | | | |
| Bottom interval logged | m | 6446.2 | | | | | | | | |
| Begin log: time | | 03:19 | | | | | | | | |
| Begin log: date | | 09-Dec-08 | | | | | | | | |
| End log: time | | 17:57 | | | | | | | | |
| End log: date | | 11-Dec-08 | | | | | | | | |
| Mud data | | | | | | | | | | |
| Depth | m | 6135.0 | | | | | | | | |
| Type | | Accolade SBM | | | | | | | | |
| Mud weight | ppg | 10.8 | | | | | | | | |
| Solids | % | 18.3 | | | | | | | | |
| Chlorides | mg/L | 47,599 | | | | | | | | |
| Rm | ohm.m@°C | n.a | | | | | | | | |
| Rmf | ohm.m@°C | n.a | | | | | | | | |
| Rmc | ohm.m@°C | n.a | | | | | | | | |

| | | | | | | | | | | | |
|---------------------------|-----|---------------|-------------|-----------|----------|------------|--|--|--|--|--|
| Potassium | % | n.a | | | | | | | | | |
| Environmental data | | | | | | | | | | | |
| GR | | | | | | | | | | | |
| Mud weight | ppg | 10.8 | | | | | | | | | |
| Bit size | in | 9.50 | | | | | | | | | |
| Resistivity | | | | | | | | | | | |
| Neutron porosity | | | | | | | | | | | |
| Hole Size | in | 9.50 | | | | | | | | | |
| Mud weight | ppg | 10.8 | | | | | | | | | |
| Temperature | °C | 106.0 | | | | | | | | | |
| Mud salinity | ppk | 59.967 | | | | | | | | | |
| Formation salinity | | n.a | | | | | | | | | |
| Recording rate 1 | SEC | 6 (arcVISION) | | | | | | | | | |
| Recording rate 2 | SEC | 2 (EcoScope) | | | | | | | | | |
| Filtering GR | | 3 pts. | | | | | | | | | |
| Filtering density | | 3 pts. | | | | | | | | | |
| Filtering Neutron | | 3 pts. | | | | | | | | | |
| Company representative | | R. Spence | M. Calicutt | | | | | | | | |
| Anadrill personnel | | M. Amarasena | J. Oldridge | M. Sihite | C. Soper | D.B. Khanh | | | | | |

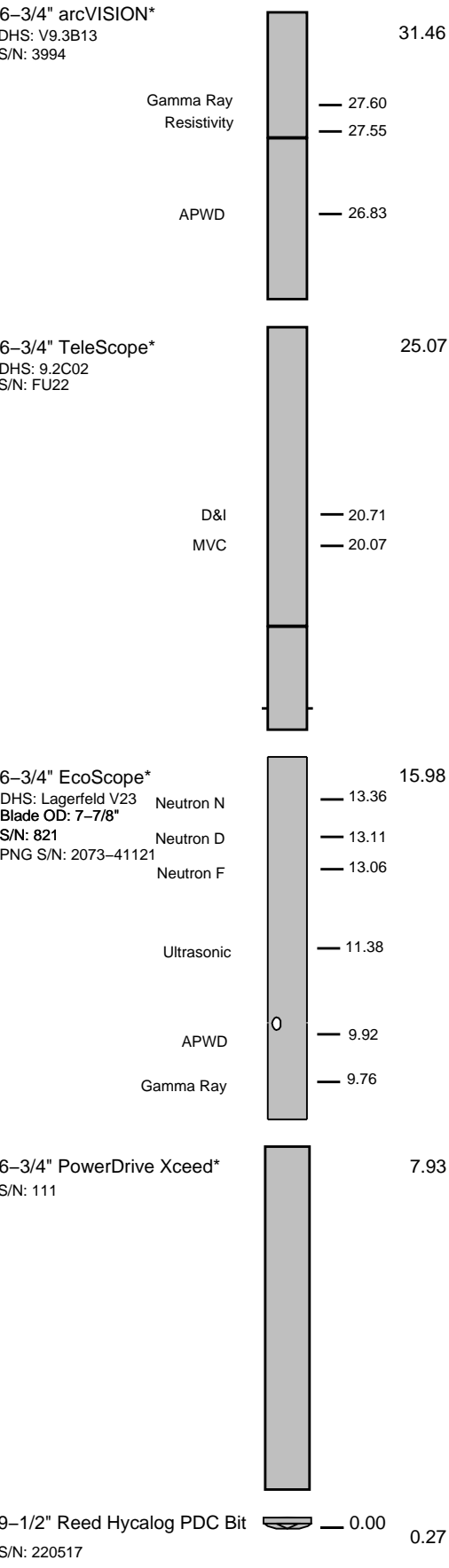
DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| OTHER SERVICES FOR RUN4 Directional Drilling Directional Surveys Annular Pressure & Temperature Shock & Vibrations | | |
| REMARKS: RUN NUMBER 4 Depth is referenced to Driller's depth Gamma ray is corrected for mud weight, tool size and bit size Resistivity is borehole compensated and environmentally corrected Neutron porosity is corrected for the effects of borehole size (bit size), temperature, mud salinity and mud hydrogen index (a factor of mud weight, mud temperature and pressure) Neutron porosity is calculated by using a limestone matrix density of 2.71 g/cm3 EcoScope stabilizer size 7-7/8" EcoScope was run sourceless Ecoscope sourceless density run in realtime Bit size 9.5" POOH due to well TD | | |

| | | |
|-----------------------|--|--|
| EQUIPMENT DESCRIPTION | | |
| RUN4 | | |
| DOWNHOLE EQUIPMENT | | |

DOWNHOLE EQUIPMENT



Maximum string diameter 9.50 in.
All lengths in Meters

| Variable Name | Variable Description | Run Name & Value | |
|-----------------|---------------------------------------------------------|------------------|--------------|
| | Run Number | | 4 |
| | General Information | | |
| BHT_RM | Bottom Hole Temperature (RM) | DEGC | 106.000 |
| BSAL_RM | Mud Salinity (RM) | PPK | 59.967 |
| BS_RM | Bit Size (RM) | IN | 9.500 |
| COEF_M | User Defined FEXP in Clean Sand | ---- | 1.650 |
| C_WS | Overpressure correction to Sw and M | ---- | 1.000 |
| FEXP | Formation Factor Exponent(RM) | ---- | 2.000 |
| FNUM | Formation Factor Enumerator(RM) | ---- | 1.000 |
| FPHI_RM | Formation Factor Porosity Source (RM) | ---- | XPLOT |
| MST_RM | Mud Sample temperature (RM) | DEGC | 60.000 |
| MW_RM | Mud Weight (RM) | LB/G | 10.800 |
| OBMF_RM | Oil Based Mud (RM) | ---- | YES |
| RHOF_RM | Mud Filtrate Density (RM) | G/C3 | 1.000 |
| RHOM_RM | Matrix density (RM) | G/C3 | 2.710 |
| RMS_RM | Resistivity of Mud Sample (RM) | OHMM | 1000.000 |
| RWA_COMP_M | Rwa computation model | | |
| RWA_DEN_AD | Rwa Density Input ADN | | |
| RWA_DEN_CD | Rwa Density Input CDN | | |
| RWA_DEN_IN | Rwa Density Input | | |
| RWA_FORM_M | Rwa computation formation model | | |
| RWA_RES_IN | Rwa computation resistivity input | | |
| RWS_RM | Resistivity of Connate Water (RM) | OHMM | 1.000 |
| SHT_RM | Ground Level Temperature (Mud-Line When Offshore) (RM) | DEGC | 10.000 |
| TD_RM | Total Measured Depth (RM) | M | 6456.000 |
| TWS_RM | Temperature of Connate Water (RM) | DEGC | 23.889 |
| VF_ILLI | Fraction of illite in shales | ---- | 0.500 |
| VF_KAOL | Fraction of kaolinite in shales | ---- | 0.500 |
| VF_MONT | Fraction of montmorillonite in shales | ---- | 0.000 |
| XPDM_RM | Cross plot density porosity multiplier | ---- | 0.675 |
| XPNM_RM | Cross plot neutron porosity multiplier | ---- | 0.325 |
| | ARC | | |
| A12A | ARC Air Cal Attenuation From T1 at 2 MHz | DB | 8.526 |
| A14A | ARC Air Cal Attenuation From T1 at 400 KHz | DB | 8.535 |
| A22A | ARC Air Cal Attenuation From T2 at 2 MHz | DB | 5.890 |
| A24A | ARC Air Cal Attenuation From T2 at 400 KHz | DB | 5.903 |
| A32A | ARC Air Cal Attenuation From T3 at 2 MHz | DB | 5.129 |
| A34A | ARC Air Cal Attenuation From T3 at 400 KHz | DB | 5.131 |
| A42A | ARC Air Cal Attenuation From T4 at 2 MHz | DB | 4.291 |
| A44A | ARC Air Cal Attenuation From T4 at 400 KHz | DB | 4.297 |
| A52A | ARC Air Cal Attenuation From T5 at 2 MHz | DB | 3.686 |
| A54A | ARC Air Cal Attenuation From T5 at 400 KHz | DB | 3.690 |
| ABNT | Abnormal Transmitter Indicator | ---- | No_Tx_Failed |
| ADHS | ARC Down Hole Software Version | ---- | No_Tx_Failed |
| AM2A | ARC Air Cal Amplitude Offset at 2 MHz | ---- | -50000.000 |
| ANISO_COMPUTE | Anisotropy Computation Option | ---- | YES |
| APICG | ARC5 Gamma Ray Gain Factor | ---- | 1.054 |
| APIG | ARC Gamma Ray API Gain Factor | ---- | -1.000 |
| ARC_DATA_FIX | ARC: Create A Corrected ARC Time Data File | ---- | NO |
| ARC_DATA_LTB | ARC: Create An ARC LTB Data File | ---- | NO |
| ATMP_ARC | ARC Select Temperature Channel | ---- | Annulus_Temp |
| ATRN | ARC Tool Run Number | ---- | 4 |
| ATSN | ARC Tool Serial Number | ---- | 3994 |
| AZMF | Formation DIP Azimuth | DEG | 0.000 |
| BH_COMPUTE | Borehole Inversion Computation Option | ---- | YES |
| CALG | ARC Gamma Ray Cal Gain Factor | ---- | 1.054 |
| CALI_SLCT_ARC | ARC Caliper Selection | ---- | BITSIZE |
| CDPTH_ARC | Process Start Depth | M | 30.480 |
| DIELEC_COMPUTE | Dielectric Computation Option | ---- | YES |
| DIPF | Formation DIP Angle | DEG | 0.000 |
| ERRCT | Percentage Error Cutoff | ---- | 4.500 |
| GRSH | GR Shale (Invasion Computation Cutoff) | GAPI | 1000.000 |
| HIGH_BLEND | High Resistivity Threshold for Blending | OHMM | 2.000 |
| INCLIN_B0 | ARC Bias Constant (mg) | ---- | 0.000 |
| INCLIN_B1 | ARC Bias First-order Coefficient (mg/degC) | ---- | 0.000 |
| INCLIN_B2 | ARC Bias Secod-order Coeeficient (mg/degC) | ---- | 0.000 |
| INCLIN_B3 | ARC Bias Third-order Coeeficient (mg/degC) | ---- | 0.000 |
| INCLIN_C0 | ARC Current Scale Factor Constant (mA/g) | ---- | 1.000 |
| INCLIN_C1 | ARC Scale First-order Coeeficient (mA/g/degC) | ---- | 0.000 |
| INCLIN_C2 | ARC Scale Second-order Coeeficient (mA/g/degC) | ---- | 0.000 |
| INCLIN_C3 | ARC Scale Third-order Coeeficient (mA/g/degC) | ---- | 0.000 |
| INVAS_COMPUTE | Invasion Computation Option | ---- | YES |
| JSD_ARC | ARC Acquisition start date | ---- | 09-Dec-08 |
| KPER | Potassium Concentration (RM) | ---- | 0.000 |
| LOW_BLEND | Low Resistivity Threshold for Blending | OHMM | 1.000 |
| MSWS | ARC Wizard Model Switch Window | M | 1.524 |
| MULTIEFFECT_COM | Multi Effect Option | ---- | YES |
| P11AC_RM | ARC: Air Calibration For Phase T1 to R1 | DEG | -999.250 |
| P12A | ARC Air Cal Phase-Shift From T1 at 2 MHz | DEG | 3.747 |
| P14A | ARC Air Cal Phase-Shift From T1 at 400 KHz | DEG | -1.655 |
| P22A | ARC Air Cal Phase-Shift From T2 at 2 MHz | DEG | -3.865 |
| P24A | ARC Air Cal Phase-Shift From T2 at 400 KHz | DEG | 1.625 |
| P32A | ARC Air Cal Phase-Shift From T3 at 2 MHz | DEG | 3.723 |
| P34A | ARC Air Cal Phase-Shift From T3 at 400 KHz | DEG | -1.635 |
| P42A | ARC Air Cal Phase-Shift From T4 at 2 MHz | DEG | -3.858 |
| P44A | ARC Air Cal Phase-Shift From T4 at 400 KHz | DEG | 1.642 |
| P52A | ARC Air Cal Phase-Shift From T5 at 2 MHz | DEG | 3.743 |
| P54A | ARC Air Cal Phase-Shift From T5 at 400 KHz | DEG | -1.630 |

| | | | |
|-----------------|----------------------------------------------------------------|-----------------|---------------|
| POFFSET_ARC | ARC: Pressure Offset | PSI | 0.000 |
| PRTD | Preferred Resistivity Log for Rt Display while Multi-Effects | ---- | P34B |
| PSOF_ADJ_T1 | ARC: User Input Phase offset | DEG | 0.000 |
| RESTIK | ARC resistivity tick source | ---- | Phase |
| RSD | LWD run start date dd-mmm-yy | ---- | 09-Dec-08 |
| RWA_COMP_MOD | Rwa computation model | ---- | BASIC |
| RWA_DEN_ADN | Rwa Density Input | ---- | RHOB |
| RWA_DEN_CDN | Rwa Density Input | ---- | RHOB |
| RWA_DEN_INPUT | Rwa Density Input | ---- | RHOB |
| RWA_FORM_MOD | Rwa computation formation model | ---- | CLASTIC |
| RWA_RES_INPUT | Rwa computation resistivity input | ---- | RT |
| SHIG | ARC High Shock Risk Level | CPS | 0.500 |
| SMED | ARC Medium Shock Risk Level | CPS | 0.330 |
| SMIN | ARC Minimum Shock Risk Level | CPS | 0.160 |
| SUPD | ARC Real Time Shock Update Rate | S | 30.000 |
| TCODE_ARC | ARC Tool File Code | S | 30.000 |
| TSIZ_ARC | ARC Tool Size | IN | 6.900 |
| UNIFORM_COMPUTE | Uniform Rock Option | ---- | YES |
| VERS_ARC | ARC Down hole software version Number | ---- | 2.300 |
| WRK | to Report Potassium Concentration (RM) | ---- | K_by_Wgt_% |
| DVD | | | |
| ----- | Parameters----- | Parameters----- | -----Sigma |
| ----- | Parameters----- | Parameters----- | -----Sigma |
| ALPHA_DEN_OPT | Density Enhanced Vertical Resolution Processing Switch | ---- | NO |
| CHI_RM | Caliper High Limit from BS (RM) | IN | 10.000 |
| CLO_RM | Caliper Low Limit from BS (RM) | IN | -5.000 |
| DTMUD | Delta-T for Mud (RM) | US/F | 206.000 |
| DTMUD_DH | Delta-T for Mud Downhole (RT) | US/F | 227.400 |
| DVDM DHS | DVDM Down Hole Software Version | US/F | 227.400 |
| DVDM_DATA_LTB | DVDM: Create An DVDM LTB Data File | ---- | NO |
| DVD_DATA_FIX | DVDM: Create A Corrected DVDM Time Data File | ---- | NO |
| DYN_IMAGE_OPT | Generate Dynamic Normalized Image? | ---- | YES |
| EDPTH | Wizard Process Stop Depth | ---- | 50000 |
| EN_WIZARD | Enable ARC Wizard Processing | ---- | NO |
| EVRL | EVR Process averaging number of samples (RM) | ---- | 49 |
| FWVN | Firmware Version Number | ---- | 2.300 |
| GCSE | Generalized Caliper Selection | ---- | BS |
| GR_CF | Gamma Ray Correction Factor | ---- | 1.800 |
| GR_O2COR_OPT | Enable Gamma Ray Oxygen Activation Correction | ---- | YES |
| IDQT | Image Derived Quality Threshold | ---- | 2.000 |
| IMAGE_MAX_DCRA | Image Density Caliper Right Scale | IN | 8.000 |
| IMAGE_MAX_IDDQ | Image Density Quality Right Scale | ---- | 1.000 |
| IMAGE_MAX_SPEF | Image PEF(Segment) Right Scale | ---- | 6.000 |
| IMAGE_MAX_SRHOB | Image RHOB(Segment) Right Scale | G/C3 | 2.650 |
| IMAGE_MIN_DCRA | Image Density Caliper Left Scale | IN | 2.000 |
| IMAGE_MIN_IDDQ | Image Density Quality Left Scale | ---- | 0.000 |
| IMAGE_MIN_SPEF | Image PEF(Segment) Left Scale | ---- | 2.000 |
| IMAGE_MIN_SRHOB | Image RHOB(Segment) Left Scale | G/C3 | 2.050 |
| JSD | Acquisition start date | ---- | 09-Dec-08 |
| MATR | Rock Matrix for Neutron Porosity Corrections | ---- | LIMESTONE |
| NEU_DCOR_OPT | Density Correction Source for Neutron Processing | ---- | Neutron |
| NEU_FTUBE_OPT | Far Thermal Tube Selection | ---- | Both |
| NEU_PRESCOR_OPT | Pressure Correction Source for Neutron Processing | ---- | Annulus_Press |
| NEU_TEMPCOR_OPT | Temperature Correction Source for Neutron Processing | ---- | Tool_Temp |
| NTIK_SEL | Neutron Tick Channel Name | ---- | FAZ1 |
| OACF | Oxygen Activation Correction Factor (RM) | ---- | 8.000 |
| PMUD | Potassium Concentration in Mud | ---- | 0.000 |
| RUN_DURATION_OP | Run Duration Type ? | ---- | Normal |
| SDPTH | Wizard Process Start Depth | ---- | 100 |
| SIG_PCOR_OPT | Porosity Correction Source for Sigma Processing | ---- | Best |
| SPEC_CSG_DEPTH | Casing Depth for Spectroscopy Processing | M | 30.480 |
| SPL_CLAY_MODEL | SpectroLith Clay Model | ---- | SUBARKOSE |
| SPL_MG_OPT | Magnesium Flag Switch ? | ---- | OFF |
| SPL_NL_COEFF | Non Linearity Coefficient for Downhole Spectroscopy Processing | ---- | 147.000 |
| SPL_SULFUR_MIN | SpectroLith Sulfur Mineral Option | ---- | PYRITE |
| STAB_SIZE | Stabilizer Size | IN | 7.875 |
| STOH | Top of Hole Sector | ---- | SECTOR_0 |
| TRNO | Tool Run Number | ---- | 4 |
| TSNO | Tool Serial Number | ---- | 821 |
| WPPV | Water Phase as Percent of Total Volume in OBM | ---- | 22.000 |
| WPSL | Salinity of the Water Phase Emulsified within the OBM | PPK | 272.576 |
| WSDI | Window Size of Dynamic Normalization Image | M | 4.572 |

Schlumberger Drilling & Measurements

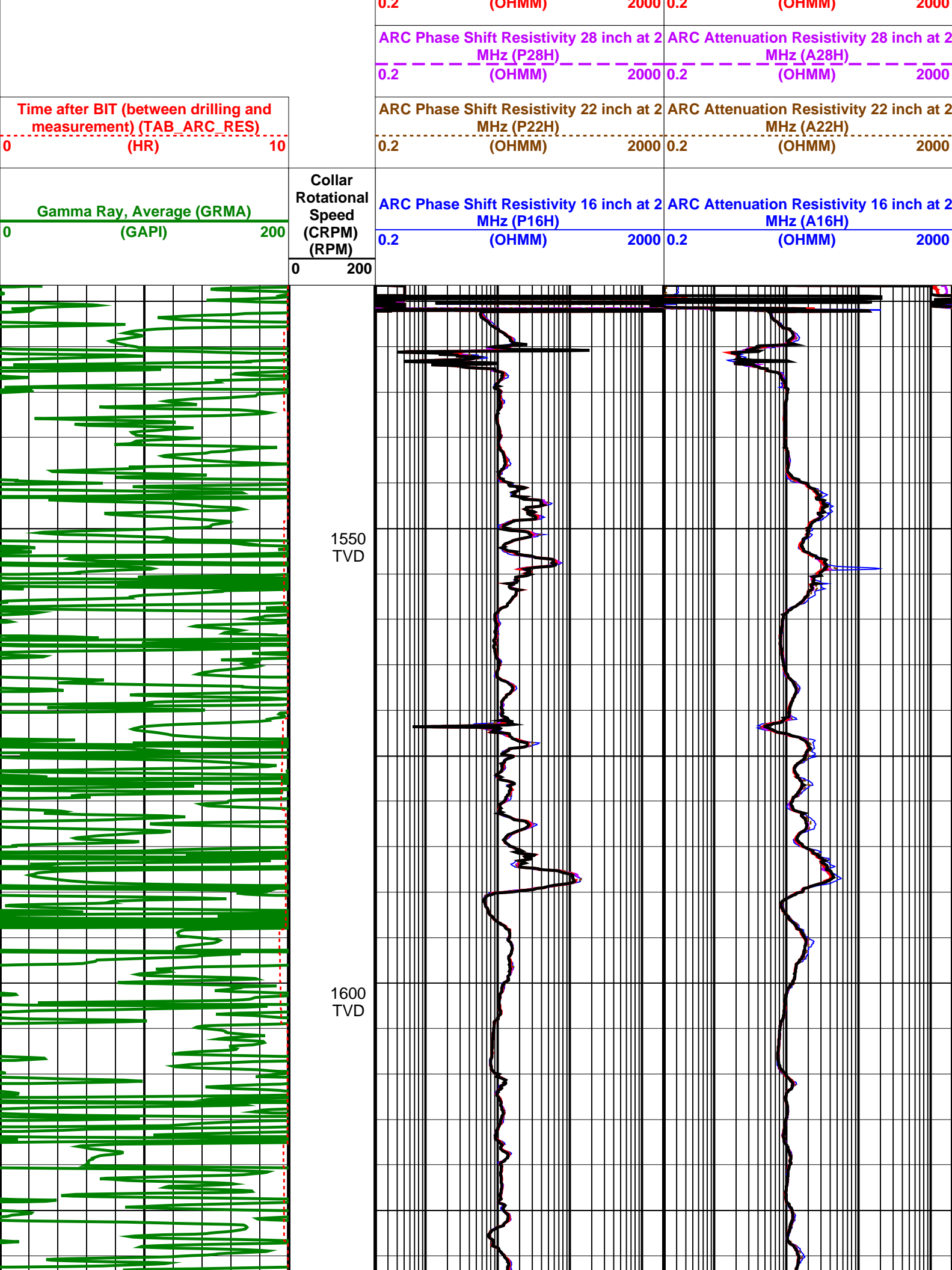
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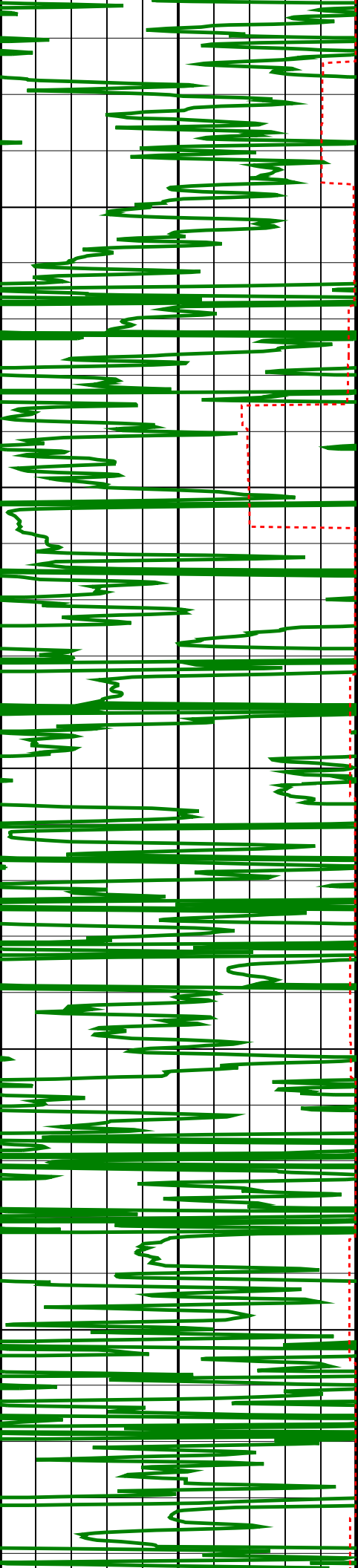
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IDF

Format: EcoScope Resistivity 2Mhz Vertical Scale: 1:500 Graphics File Created: 17-Dec-2008 09:05

| ARC Phase Shift Resistivity 40 inch at 2 MHz (P40H) | | ARC Attenuation Resistivity 40 inch at 2 MHz (A40H) | |
|-----------------------------------------------------|--------|-----------------------------------------------------|--------|
| 0.2 | (OHMM) | 0.2 | (OHMM) |
| 2000 | | 2000 | |
| ARC Phase Shift Resistivity 34 inch at 2 MHz (P34H) | | ARC Attenuation Resistivity 34 inch at 2 MHz (A34H) | |
| 0.2 | (OHMM) | 0.2 | (OHMM) |
| 2000 | | 2000 | |

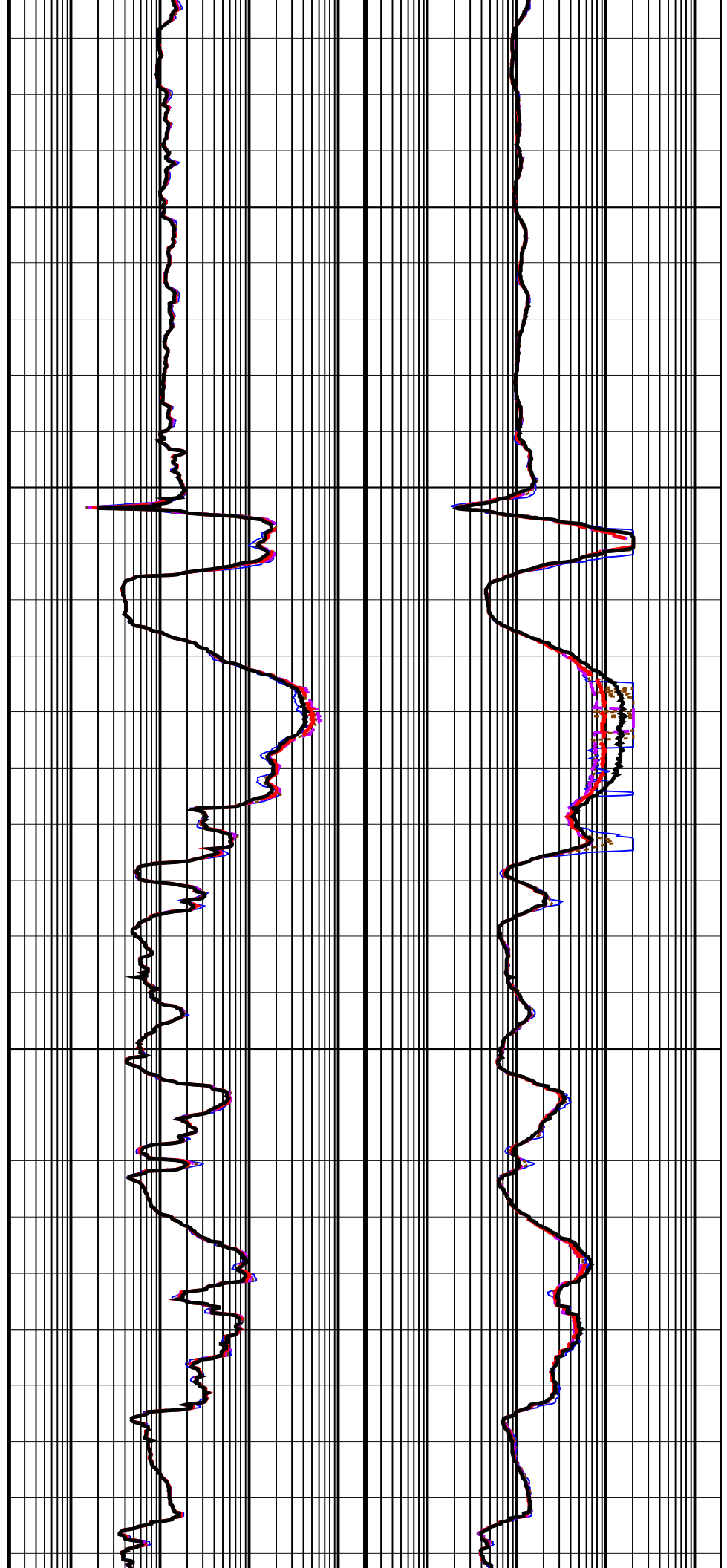


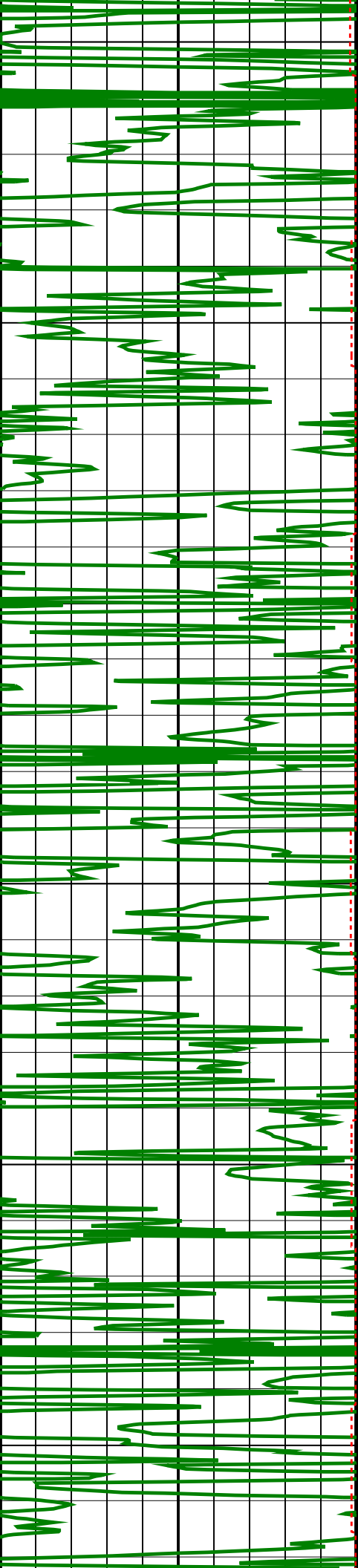


1650
TVD

1700
TVD

1750
TVD

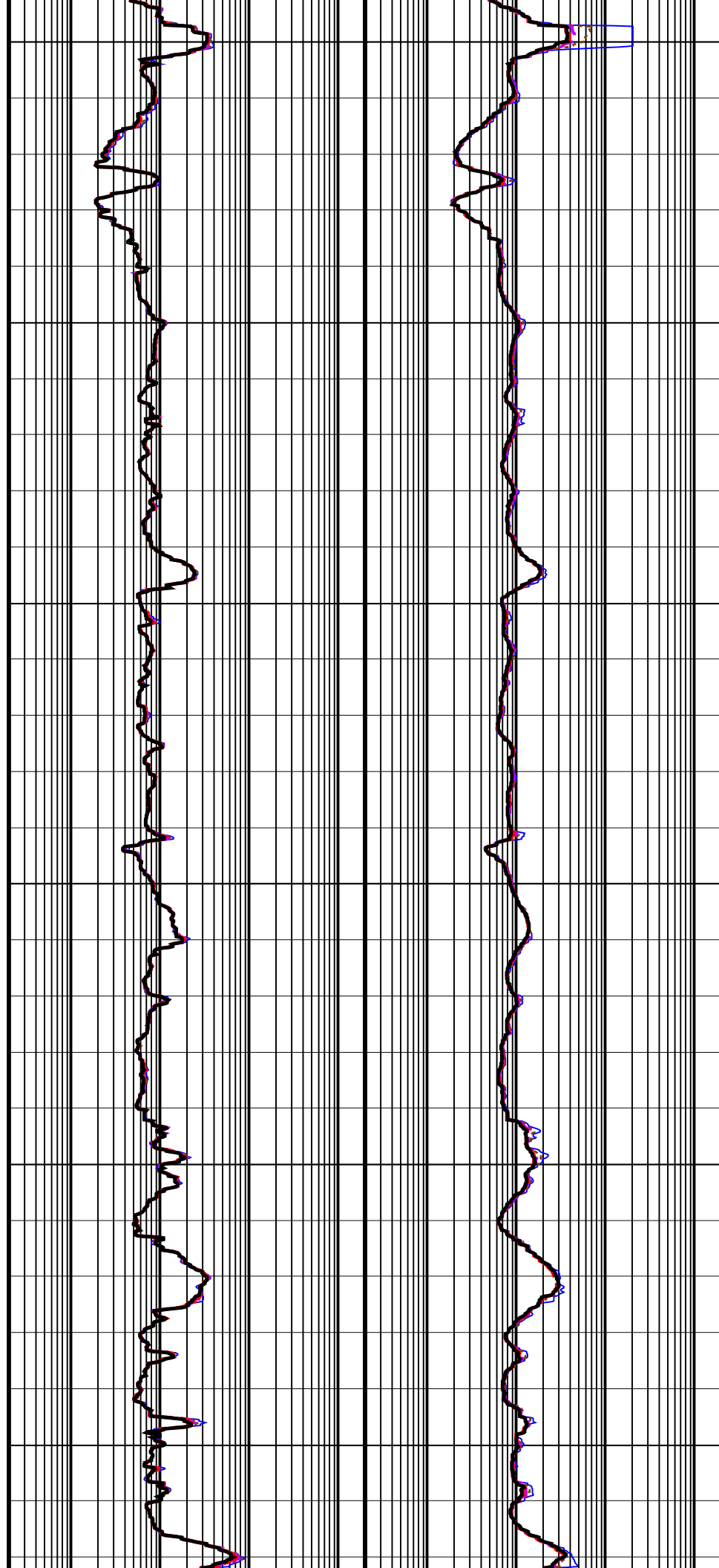


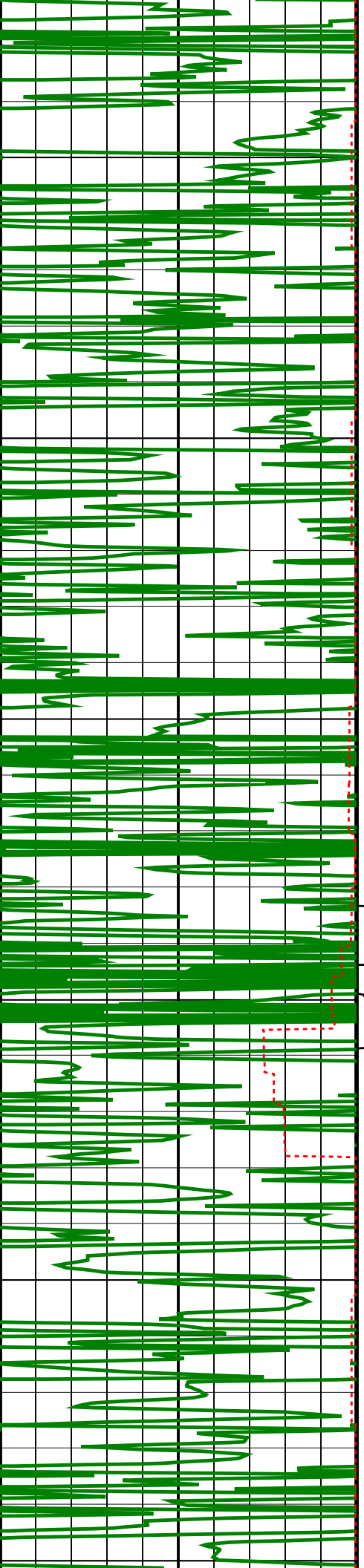


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TVD

1850
TVD

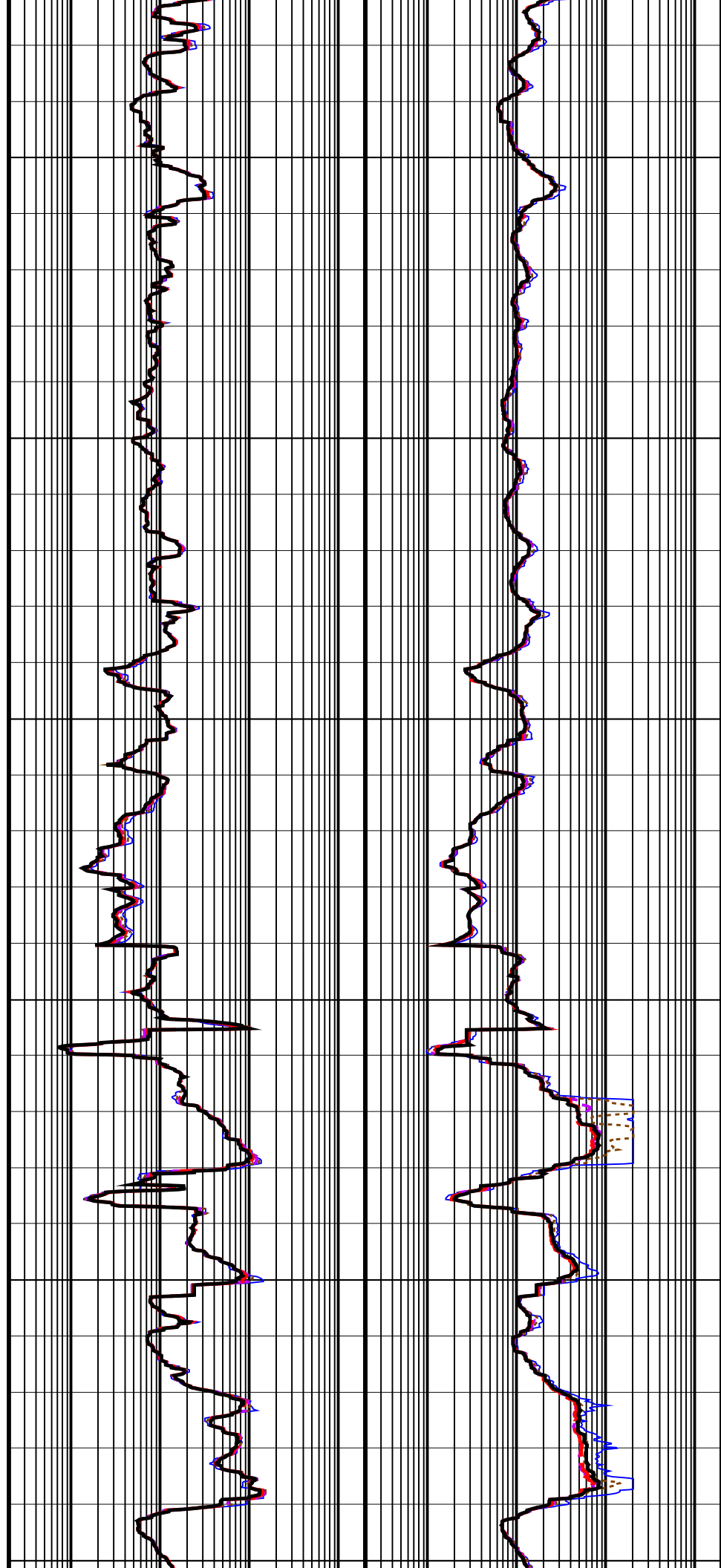
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TVD

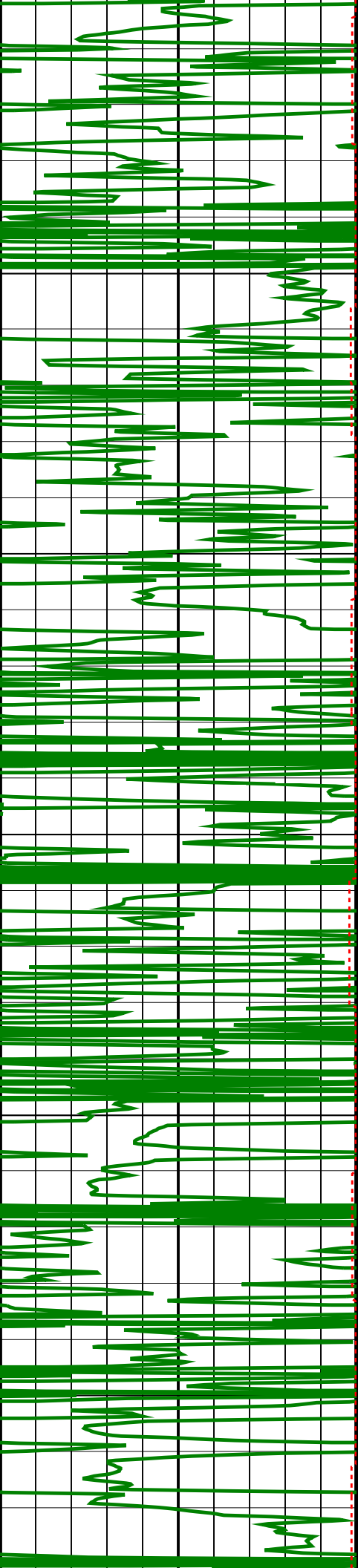




1950
TVD

2000
TVD

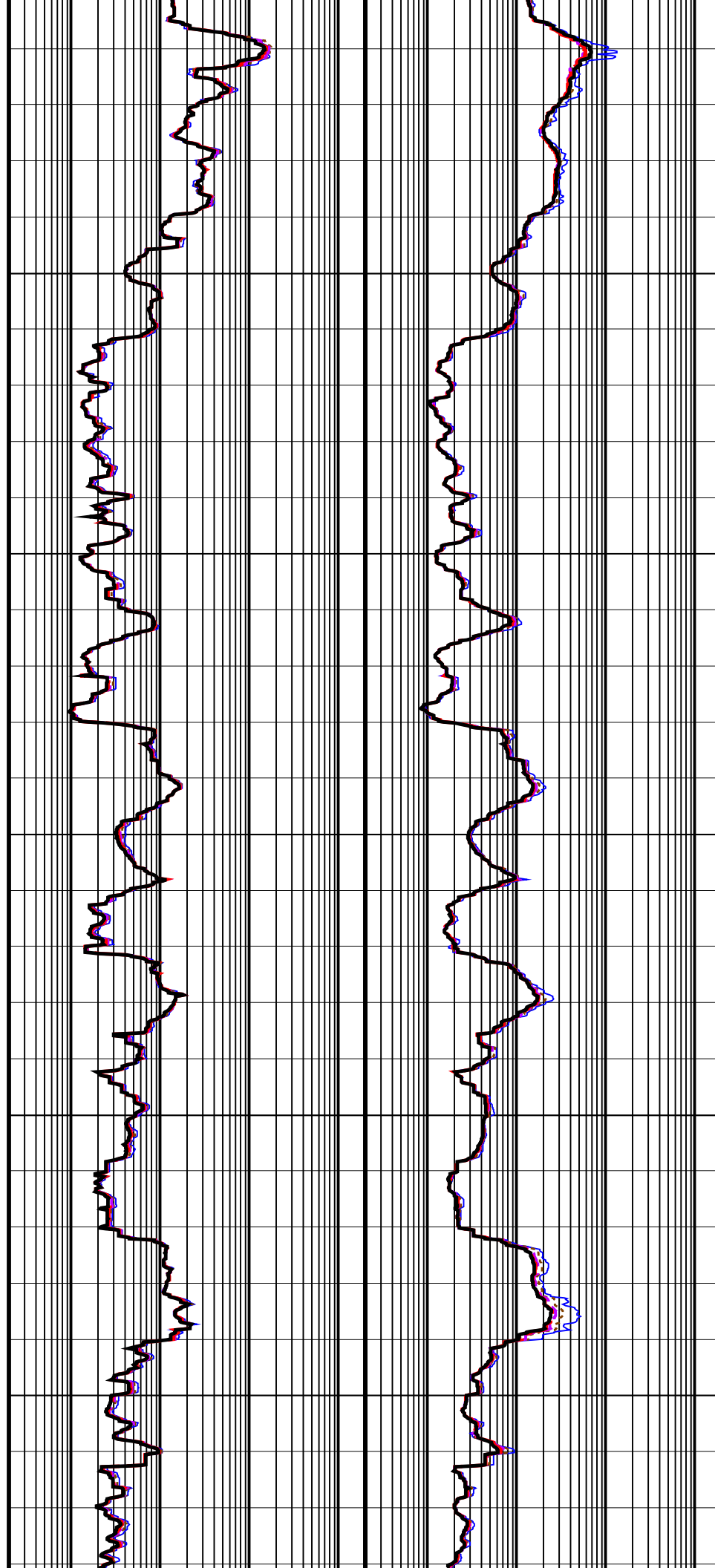


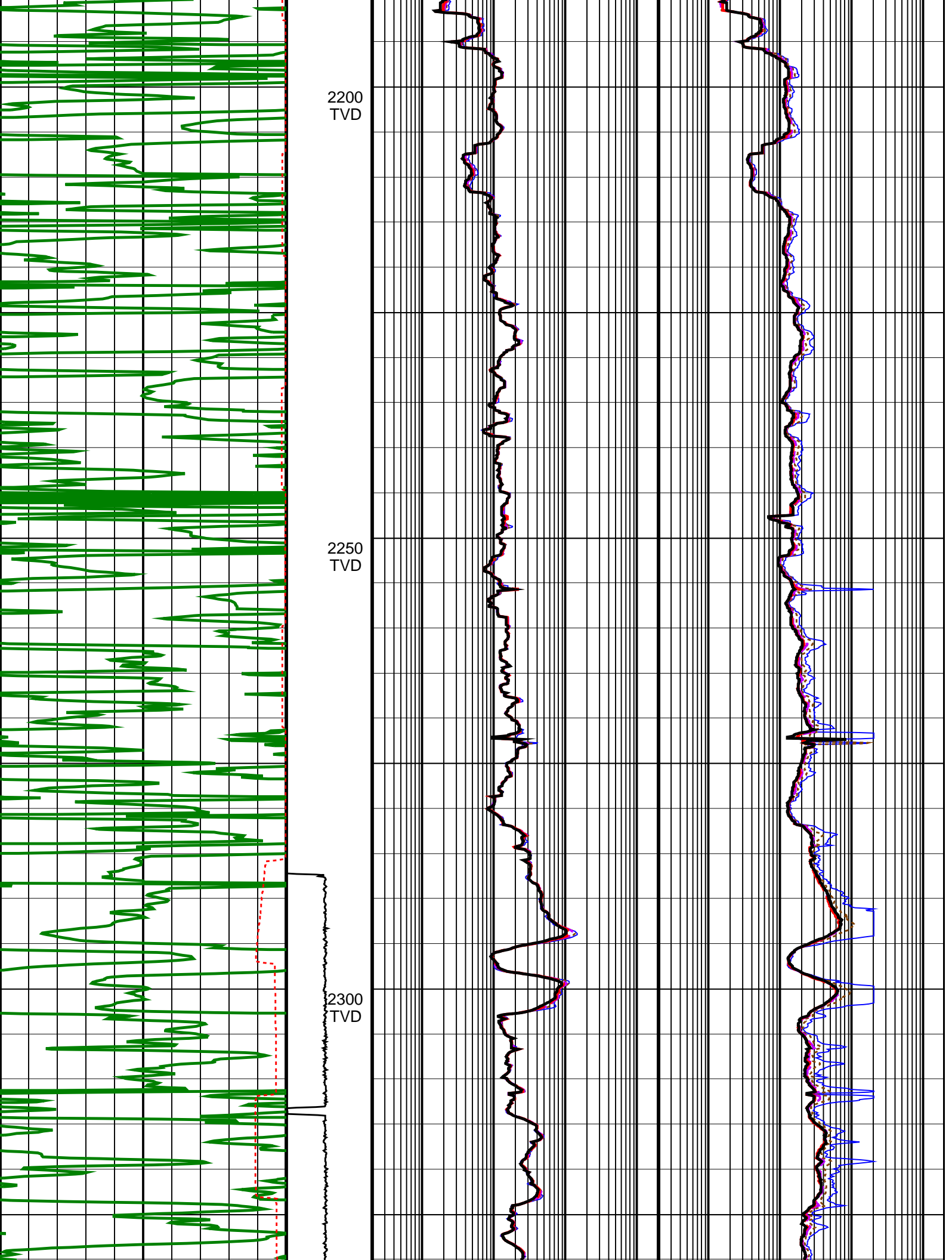


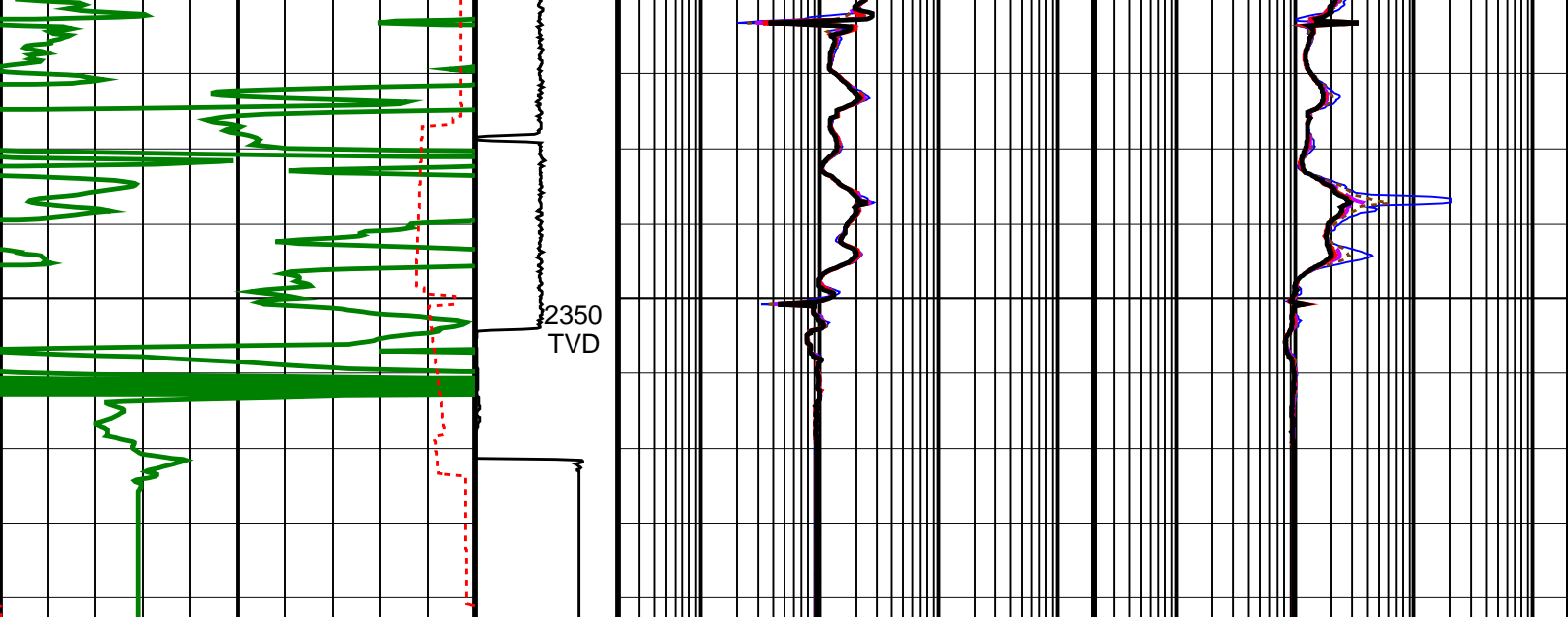
2050
TVD

2100
TVD

2150
TVD







| Gamma Ray, Average (GRMA) (GAPI) | Collar Rotational Speed (CRPM) (RPM) | ARC Phase Shift Resistivity 16 inch at 2 MHz (P16H) | | ARC Attenuation Resistivity 16 inch at 2 MHz (A16H) | |
|----------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|------|--------------------------------------------------------|------|
| | | 0.2 | 2000 | 0.2 | 2000 |
| 0 | 0 | (OHMM) | | (OHMM) | |
| 200 | 200 | | | | |
| Time after BIT (between drilling and measurement) (TAB_ARC_RES) (HR) | 0 | ARC Phase Shift Resistivity 22 inch at 2 MHz (P22H) | | ARC Attenuation Resistivity 22 inch at 2 MHz (A22H) | |
| | | 0.2 | 2000 | 0.2 | 2000 |
| | | (OHMM) | | (OHMM) | |
| | | | | | |
| | | ARC Phase Shift Resistivity 28 inch at 2 MHz (P28H) | | ARC Attenuation Resistivity 28 inch at 2 MHz (A28H) | |
| | | 0.2 | 2000 | 0.2 | 2000 |
| | | (OHMM) | | (OHMM) | |
| | | | | | |
| | | ARC Phase Shift Resistivity 34 inch at 2 MHz (P34H) | | ARC Attenuation Resistivity 34 inch at 2 MHz (A34H) | |
| | | 0.2 | 2000 | 0.2 | 2000 |
| | | (OHMM) | | (OHMM) | |
| | | | | | |
| | | ARC Phase Shift Resistivity 40 inch at 2 MHz (P40H) | | ARC Attenuation Resistivity 40 inch at 2 MHz (A40H) | |
| | | 0.2 | 2000 | 0.2 | 2000 |
| | | (OHMM) | | (OHMM) | |
| | | | | | |

IDEAL Version: ID14_0C_05
IDF

6.75-in. Array Resistivity Compensated / Equipment Identification

Primary Equipment:
Tool Name and Serial Number
ARC675 Calibration Status





ARC6 – BA 447
AUTO –

Master: 19–Nov–2008 19:29

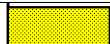
6.75-in. Array Resistivity Compensated Calibration

Resistivity: Air





| Phase | Phase-Shift T1 | | Value | Phase | Phase-Shift T2 | | Value | Phase | Phase-Shift T3 | | Value |
|--------|--------------------------|---------------------|--------------------|--------|--------------------------|---------------------|--------------------|--------|--------------------------|---------------------|--------------------|
| Master | | | –0.4435 | Master | | | 0.4753 | Master | | | –0.5025 |
| | –3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | –3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | –3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) |
| Phase | Phase-Shift T4 | | Value | Phase | Phase-Shift T5 | | Value | Phase | Phase-Shift T1 at 400KHz | | Value |
| Master | | | 0.4377 | Master | | | –0.5039 | Master | | | 0.8857 |
| | –3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | –3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | –3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) |
| Phase | Phase-Shift T2 at 400KHz | | Value | Phase | Phase-Shift T3 at 400KHz | | Value | Phase | Phase-Shift T4 at 400KHz | | Value |



| | | | | | | | | |
|--------|-----------------------------------------------------------------------------------|---------------------|--------------------|--------------------------------------------------------------------------------|---------------------|---------------------|----------------------------------------------------------------------------------|---------|
| Master |  | -0.9448 | Master |  | 0.9314 | Master |  | -0.9603 |
| | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | |
| Phase | Phase-Shift T5 at 400KHz | | Value | | | | | |
| Master |  | | 0.8903 | | | | | |
| | -3.900 (Minimum) | 0.1000 (Nominal) | 4.100 (Maximum) | | | | | |











| | | | | | | | | | | | | | | | | | |
|----------------------------------------------------|--------------------------|--|--|--------------------|--------------------|--------------------------|--|--|-------|--------------------|--------------------------|--------------------|--------------------|-------|--|--------------------|--------------------|
| Master: 19–Nov–2008 19:29 | | | | | | | | | | | | | | | | | |
| 6.75–in. Array Resistivity Compensated Calibration | | | | | | | | | | | | | | | | | |
| Resistivity: Air | | | | | | | | | | | | | | | | | |
| Phase | Attenuation T1 | | | Value | Phase | Attenuation T2 | | | Value | Phase | Attenuation T3 | | | Value | | | |
| Master | <div><div></div></div> | | | 8.252 | Master | <div><div></div></div> | | | 6.680 | Master | <div><div></div></div> | | | 4.885 | | | |
| 6.500 (Minimum) | | | | 8.500 (Nominal) | 10.50 (Maximum) | 4.500 (Minimum) | | | | 6.500 (Nominal) | 8.500 (Maximum) | 2.500 (Minimum) | | | | 4.500 (Nominal) | 6.500 (Maximum) |
| Phase | Attenuation T4 | | | Value | Phase | Attenuation T5 | | | Value | Phase | Attenuation T1 at 400KHz | | | Value | | | |
| Master | <div><div></div></div> | | | 4.589 | Master | <div><div></div></div> | | | 3.439 | Master | <div><div></div></div> | | | 8.242 | | | |
| 2.600 (Minimum) | | | | 4.600 (Nominal) | 6.600 (Maximum) | 1.600 (Minimum) | | | | 3.600 (Nominal) | 5.600 (Maximum) | 6.500 (Minimum) | | | | 8.500 (Nominal) | 10.50 (Maximum) |
| Phase | Attenuation T2 at 400KHz | | | Value | Phase | Attenuation T3 at 400KHz | | | Value | Phase | Attenuation T4 at 400KHz | | | Value | | | |
| Master | <div><div></div></div> | | | 6.701 | Master | <div><div></div></div> | | | 4.865 | Master | <div><div></div></div> | | | 4.602 | | | |
| 4.500 (Minimum) | | | | 6.500 (Nominal) | 8.500 (Maximum) | 2.500 (Minimum) | | | | 4.500 (Nominal) | 6.500 (Maximum) | 2.600 (Minimum) | | | | 4.600 (Nominal) | 6.600 (Maximum) |
| Phase | Attenuation T5 at 400KHz | | | Value | | | | | | | | | | | | | |
| Master | <div><div></div></div> | | | 3.426 | | | | | | | | | | | | | |
| 1.600 (Minimum) | | | | 3.600 (Nominal) | | | | | | | | | 5.600 (Maximum) | | | | |

| | | | |
|----------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|--------------------|
| Master: 20–Nov–2008 11:20 | | | |
| 6.75–in. Array Resistivity Compensated Calibration | | | |
| Gamma Ray: Blanket | | | |
| Phase | Gamma ray factor (equals Calibration Gain multiplied by API Gain Factor) CPS | | Value |
| Master |  | | 5.059 |
| | 2.780 (Minimum) | 4.800 (Nominal) | 6.000 (Maximum) |

| | | |
|----------------------------------------------------------------------------------------|------------|------------|
| EcoScope Integrated Logging–While–Drilling Tool – 6.75 inch / Equipment Identification | | |
| Primary Equipment: | | |
| Tool Name and Serial Number | ECO – 675 | 817 |
| Calibration Status | AUTO – | |
| Neutron Logging Source | PNG – C | 2073–41121 |
| Density Logging Source | n.a | |
| Stabilizer Size | 7.81 – in. | |

| | | | | | | | | |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|--------------------|-------|--------|---------------------------------------------------------------------------------------|--------------------|--------------------|
| Master: 27–Nov–2008 1:27 | | | | | | | | |
| EcoScope Integrated Logging–While–Drilling Tool – 6.75 inch Calibration | | | | | | | | |
| SSn LSn : Water Tank | | | | | | | | |
| Phase | SSn Gain ---- | | | Value | Phase | SSn Offset ---- | | Value |
| Master |  | | | 1.087 | Master |  | | 791.5 |
| | 0.9300 (Minimum) | 1.060 (Nominal) | 1.190 (Maximum) | | | -137.0 (Minimum) | 535.5 (Nominal) | 1208 (Maximum) |
| Phase | LSn Gain ---- | | | Value | Phase | LSn Offset ---- | | Value |
| Master |  | | | 1.102 | Master |  | | 0 |
| | 0.9100 (Minimum) | 1.060 (Nominal) | 1.210 (Maximum) | | | -45.00 (Minimum) | 31.50 (Nominal) | 108.0 (Maximum) |

| | | | | | | | |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|--------------------|--------|---------------------------------------------------------------------------------------|----------------|--------------------|
| Master: 27–Nov–2008 1:27 | | | | | | | |
| EcoScope Integrated Logging–While–Drilling Tool – 6.75 inch Calibration | | | | | | | |
| Neutron: Water Tank | | | | | | | |
| Phase | Far 2 Gain ---- | | Value | Phase | Far 2 Offset ---- | | Value |
| Master |  | | 1.027 | Master |  | | 0.6601 |
| | 0.7000 (Minimum) | 1.000 (Nominal) | 1.300 (Maximum) | | -3.000 (Minimum) | 0 (Nominal) | 3.000 (Maximum) |

| | | | | | | | | | | | |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|--------------------|--------|-----------------------------------------------------------------------------------|--------------------|--------------------|--------|-------------------------------------------------------------------------------------|--------------------|--------------------|
| Master: 17-Nov-2008 17:50 | | | | | | | | | | | |
| EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration | | | | | | | | | | | |
| Resistivity: Air | | | | | | | | | | | |
| Phase | Attenuation T1 | | Value | Phase | Attenuation T2 | | Value | Phase | Attenuation T3 | | Value |
| Master |  | | 8.526 | Master |  | | 5.890 | Master |  | | 5.129 |
| | 7.000 (Minimum) | 9.000 (Nominal) | 11.00 (Maximum) | | 4.000 (Minimum) | 6.000 (Nominal) | 8.000 (Maximum) | | 3.500 (Minimum) | 5.500 (Nominal) | 7.500 (Maximum) |
| Phase | Attenuation T4 | | Value | Phase | Attenuation T5 | | Value | Phase | Attenuation T1 at 400KHz | | Value |
| Master |  | | 4.291 | Master |  | | 3.686 | Master |  | | 8.535 |
| | 2.500 (Minimum) | 4.500 (Nominal) | 6.500 (Maximum) | | 2.000 (Minimum) | 4.000 (Nominal) | 6.000 (Maximum) | | 7.000 (Minimum) | 9.000 (Nominal) | 11.00 (Maximum) |
| Phase | Attenuation T2 at 400KHz | | Value | Phase | Attenuation T3 at 400KHz | | Value | Phase | Attenuation T4 at 400KHz | | Value |
| Master |  | | 5.903 | Master |  | | 5.131 | Master |  | | 4.297 |
| | 4.000 (Minimum) | 6.000 (Nominal) | 8.000 (Maximum) | | 3.500 (Minimum) | 5.500 (Nominal) | 7.500 (Maximum) | | 2.500 (Minimum) | 4.500 (Nominal) | 6.500 (Maximum) |
| Phase | Attenuation T5 at 400KHz | | Value | | | | | | | | |
| Master |  | | 3.690 | | | | | | | | |
| | 2.000 (Minimum) | 4.000 (Nominal) | 6.000 (Maximum) | | | | | | | | |

SCHLUMBERGER

Survey report

14-Dec-2008 17:15:56

Client.....: ESSO AUSTRALIA PTY LTD
Field.....: MOONFISH

Well.....: SNA A-26A
API number.....: 08ASQ0030
Engineer.....: MA/MRG/JO

Spud date.....: 10-NOV-08
Last survey date.....: 11-Dec-08
Total accepted surveys...: 363
MD of first survey.....: 0.00 m
MD of last survey.....: 6456.00 m

RIG:.....: ISDL 175
STATE:.....: VICTORIA

----- Survey calculation methods-----
Method for positions.....: Minimum curvature
Method for DLS.....: Mason & Taylor

----- Geomagnetic data -----
Magnetic model.....: BGGM version 2008
Magnetic date.....: 05-Dec-2008
Magnetic field strength...: 1197.99 HCNT
Magnetic dec (+E/W-).....: 13.00 degrees
Magnetic dip.....: -68.69 degrees

----- Depth reference -----
Permanent datum.....: MEAN SEA LEVEL
Depth reference.....: DRILLER'S DEPTH
GL above permanent.....: -55.00 m
KB above permanent.....: TOP DRIVE
DF above permanent.....: 41.70 m

----- MWD survey Reference Criteria -----
Reference G.....: 1000.02 mGal
Reference H.....: 1197.99 HCNT
Reference Dip.....: -68.69 degrees
Tolerance of G.....: (+/-) 2.50 mGal
Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Vertical section origin-----
Latitude (+N/S-).....: 15.35 m
Departure (+E/W-).....: -2.36 m

----- Corrections -----
Magnetic dec (+E/W-).....: 13.00 degrees
Grid convergence (+E/W-)..: -0.63 degrees
Total az corr (+E/W-)....: 13.63 degrees
(Total az corr = magnetic dec - grid conv)
Survey Correction Type ...:
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=Shell Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

----- Platform reference point-----
Latitude (+N/S-).....:
Departure (+E/W-).....:

Azimuth from Vsect Origin to target: 15.36 degrees

[(c)2008 IDEAL ID14_OC_02]
SCHLUMBERGER Survey Report

| Seq # | Measured depth (m) | Incl angle (deg) | Azimuth angle (deg) | Course length (m) | TVD depth (m) | Vertical section (m) | Displ +N/S- (m) | Displ +E/W- (m) | Total displ (m) | At Azim (deg) | DLS (deg/100f) | Srvy tool type | Tool Corr (deg) |
|-------|--------------------|------------------|---------------------|-------------------|---------------|----------------------|-----------------|-----------------|-----------------|---------------|----------------|----------------|-----------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.80 | 0.00 | -2.36 | 2.36 | 270.00 | 0.00 | TIP | None |
| 2 | 9.08 | 0.00 | 0.00 | 9.08 | 9.08 | -14.80 | 0.00 | -2.36 | 2.36 | 270.00 | 0.00 | MWD_M | None |
| 3 | 59.08 | 0.58 | 240.11 | 50.00 | 59.08 | -14.98 | -0.13 | -2.58 | 2.58 | 267.20 | 0.35 | MWD_M | None |
| 4 | 64.08 | 0.57 | 237.77 | 5.00 | 64.08 | -15.02 | -0.15 | -2.62 | 2.63 | 266.68 | 0.16 | MWD_M | None |
| 5 | 69.08 | 0.57 | 235.38 | 5.00 | 69.08 | -15.06 | -0.18 | -2.66 | 2.67 | 266.15 | 0.14 | MWD_M | None |
| 6 | 74.08 | 0.56 | 232.95 | 5.00 | 74.08 | -15.09 | -0.21 | -2.70 | 2.71 | 265.60 | 0.16 | MWD_M | None |
| 7 | 79.08 | 0.56 | 230.49 | 5.00 | 79.08 | -15.13 | -0.24 | -2.74 | 2.75 | 265.03 | 0.15 | MWD_M | None |

| | | | | | | | | | | | | | |
|----|--------|------|--------|------|--------|--------|-------|-------|------|--------|------|-------|------|
| 8 | 84.08 | 0.56 | 228.01 | 5.00 | 84.08 | -15.17 | -0.27 | -2.78 | 2.79 | 264.44 | 0.15 | MWD_M | None |
| 9 | 89.08 | 0.62 | 224.12 | 5.00 | 89.08 | -15.22 | -0.31 | -2.82 | 2.83 | 263.80 | 0.44 | MWD_M | None |
| 10 | 94.08 | 0.63 | 213.04 | 5.00 | 94.08 | -15.27 | -0.35 | -2.85 | 2.87 | 263.03 | 0.74 | MWD_M | None |
| 11 | 99.08 | 0.68 | 206.26 | 5.00 | 99.08 | -15.32 | -0.40 | -2.88 | 2.91 | 262.12 | 0.56 | MWD_M | None |
| 12 | 104.08 | 0.74 | 198.91 | 5.00 | 104.08 | -15.38 | -0.46 | -2.90 | 2.94 | 261.08 | 0.66 | MWD_M | None |
| 13 | 109.08 | 0.87 | 187.03 | 5.00 | 109.08 | -15.45 | -0.52 | -2.92 | 2.96 | 259.82 | 1.29 | MWD_M | None |
| 14 | 114.08 | 0.92 | 187.58 | 5.00 | 114.08 | -15.53 | -0.60 | -2.93 | 2.99 | 258.39 | 0.31 | MWD_M | None |
| 15 | 119.08 | 1.18 | 171.81 | 5.00 | 119.07 | -15.62 | -0.69 | -2.92 | 3.01 | 256.69 | 2.36 | MWD_M | None |
| 16 | 124.08 | 1.15 | 177.50 | 5.00 | 124.07 | -15.71 | -0.79 | -2.92 | 3.02 | 254.78 | 0.73 | MWD_M | None |
| 17 | 129.08 | 1.45 | 168.32 | 5.00 | 129.07 | -15.82 | -0.91 | -2.90 | 3.04 | 252.67 | 2.22 | MWD_M | None |
| 18 | 134.08 | 1.51 | 168.00 | 5.00 | 134.07 | -15.93 | -1.03 | -2.87 | 3.05 | 250.26 | 0.37 | MWD_M | None |
| 19 | 139.08 | 1.63 | 169.37 | 5.00 | 139.07 | -16.05 | -1.17 | -2.85 | 3.08 | 247.73 | 0.77 | MWD_M | None |
| 20 | 144.08 | 1.80 | 165.89 | 5.00 | 144.07 | -16.19 | -1.31 | -2.81 | 3.11 | 245.01 | 1.21 | MWD_M | None |
| 21 | 149.08 | 1.87 | 165.61 | 5.00 | 149.06 | -16.33 | -1.47 | -2.78 | 3.14 | 242.14 | 0.43 | MWD_M | None |
| 22 | 154.08 | 2.12 | 159.45 | 5.00 | 154.06 | -16.47 | -1.63 | -2.72 | 3.17 | 239.05 | 2.01 | MWD_M | None |
| 23 | 159.08 | 2.26 | 157.59 | 5.00 | 159.06 | -16.62 | -1.81 | -2.65 | 3.21 | 235.69 | 0.96 | MWD_M | None |
| 24 | 164.08 | 2.43 | 153.14 | 5.00 | 164.05 | -16.78 | -2.00 | -2.57 | 3.25 | 232.13 | 1.52 | MWD_M | None |
| 25 | 169.08 | 2.69 | 147.79 | 5.00 | 169.05 | -16.94 | -2.19 | -2.46 | 3.29 | 228.28 | 2.15 | MWD_M | None |
| 26 | 174.08 | 2.91 | 141.78 | 5.00 | 174.04 | -17.09 | -2.39 | -2.32 | 3.33 | 224.11 | 2.23 | MWD_M | None |
| 27 | 179.08 | 3.23 | 135.78 | 5.00 | 179.04 | -17.24 | -2.59 | -2.14 | 3.36 | 219.55 | 2.76 | MWD_M | None |
| 28 | 184.08 | 3.40 | 133.46 | 5.00 | 184.03 | -17.38 | -2.79 | -1.93 | 3.40 | 214.69 | 1.32 | MWD_M | None |
| 29 | 189.08 | 3.47 | 132.44 | 5.00 | 189.02 | -17.52 | -3.00 | -1.71 | 3.45 | 209.76 | 0.57 | MWD_M | None |
| 30 | 194.08 | 3.53 | 132.35 | 5.00 | 194.01 | -17.66 | -3.20 | -1.49 | 3.53 | 204.92 | 0.37 | MWD_M | None |
| 31 | 199.08 | 3.54 | 132.38 | 5.00 | 199.00 | -17.80 | -3.41 | -1.26 | 3.64 | 200.28 | 0.06 | MWD_M | None |
| 32 | 204.08 | 3.59 | 131.53 | 5.00 | 203.99 | -17.94 | -3.62 | -1.03 | 3.76 | 195.88 | 0.44 | MWD_M | None |
| 33 | 209.08 | 3.58 | 132.77 | 5.00 | 208.98 | -18.08 | -3.83 | -0.80 | 3.91 | 191.77 | 0.48 | MWD_M | None |
| 34 | 214.08 | 3.61 | 131.87 | 5.00 | 213.97 | -18.22 | -4.04 | -0.57 | 4.08 | 187.97 | 0.39 | MWD_M | None |
| 35 | 219.08 | 3.67 | 131.81 | 5.00 | 218.96 | -18.36 | -4.25 | -0.33 | 4.26 | 184.43 | 0.37 | MWD_M | None |
| 36 | 224.08 | 3.61 | 130.96 | 5.00 | 223.95 | -18.50 | -4.46 | -0.09 | 4.46 | 181.17 | 0.49 | MWD_M | None |
| 37 | 229.08 | 3.59 | 130.21 | 5.00 | 228.94 | -18.64 | -4.66 | 0.15 | 4.67 | 178.19 | 0.31 | MWD_M | None |
| 38 | 234.08 | 3.40 | 128.42 | 5.00 | 233.93 | -18.76 | -4.86 | 0.38 | 4.87 | 175.49 | 1.34 | MWD_M | None |
| 39 | 239.08 | 3.38 | 127.46 | 5.00 | 238.92 | -18.87 | -5.04 | 0.62 | 5.08 | 173.03 | 0.37 | MWD_M | None |
| 40 | 244.08 | 3.12 | 126.03 | 5.00 | 243.91 | -18.98 | -5.21 | 0.84 | 5.28 | 170.80 | 1.66 | MWD_M | None |
| 41 | 249.08 | 2.95 | 125.30 | 5.00 | 248.91 | -19.07 | -5.36 | 1.06 | 5.47 | 168.84 | 1.06 | MWD_M | None |
| 42 | 254.08 | 2.63 | 124.32 | 5.00 | 253.90 | -19.15 | -5.50 | 1.26 | 5.64 | 167.12 | 1.97 | MWD_M | None |
| 43 | 259.08 | 2.49 | 123.71 | 5.00 | 258.90 | -19.22 | -5.63 | 1.44 | 5.81 | 165.62 | 0.87 | MWD_M | None |
| 44 | 264.08 | 2.14 | 123.21 | 5.00 | 263.89 | -19.28 | -5.74 | 1.61 | 5.96 | 164.31 | 2.14 | MWD_M | None |
| 45 | 269.08 | 2.04 | 122.13 | 5.00 | 268.89 | -19.34 | -5.84 | 1.77 | 6.10 | 163.18 | 0.66 | MWD_M | None |
| 46 | 274.08 | 2.20 | 119.82 | 5.00 | 273.88 | -19.39 | -5.93 | 1.92 | 6.24 | 162.03 | 1.11 | MWD_M | None |
| 47 | 279.08 | 1.79 | 120.65 | 5.00 | 278.88 | -19.43 | -6.02 | 2.07 | 6.37 | 160.99 | 2.51 | MWD_M | None |
| 48 | 284.08 | 1.55 | 121.14 | 5.00 | 283.88 | -19.47 | -6.09 | 2.20 | 6.48 | 160.16 | 1.47 | MWD_M | None |
| 49 | 289.08 | 1.45 | 117.86 | 5.00 | 288.88 | -19.50 | -6.16 | 2.31 | 6.58 | 159.42 | 0.80 | MWD_M | None |
| 50 | 294.08 | 1.25 | 116.65 | 5.00 | 293.88 | -19.53 | -6.21 | 2.42 | 6.67 | 158.74 | 1.23 | MWD_M | None |
| 51 | 299.08 | 1.15 | 115.17 | 5.00 | 298.88 | -19.55 | -6.26 | 2.51 | 6.74 | 158.13 | 0.64 | MWD_M | None |
| 52 | 304.08 | 1.03 | 110.72 | 5.00 | 303.87 | -19.56 | -6.30 | 2.60 | 6.81 | 157.57 | 0.89 | MWD_M | None |
| 53 | 309.08 | 1.05 | 109.80 | 5.00 | 308.87 | -19.57 | -6.33 | 2.68 | 6.87 | 157.01 | 0.16 | MWD_M | None |
| 54 | 314.08 | 1.02 | 110.36 | 5.00 | 313.87 | -19.57 | -6.36 | 2.77 | 6.94 | 156.47 | 0.19 | MWD_M | None |
| 55 | 319.08 | 1.01 | 107.44 | 5.00 | 318.87 | -19.58 | -6.39 | 2.85 | 7.00 | 155.93 | 0.32 | MWD_M | None |
| 56 | 324.08 | 0.97 | 106.83 | 5.00 | 323.87 | -19.58 | -6.41 | 2.94 | 7.05 | 155.40 | 0.25 | MWD_M | None |
| 57 | 329.08 | 0.96 | 102.31 | 5.00 | 328.87 | -19.58 | -6.43 | 3.02 | 7.11 | 154.88 | 0.47 | MWD_M | None |
| 58 | 334.08 | 0.91 | 101.40 | 5.00 | 333.87 | -19.58 | -6.45 | 3.10 | 7.16 | 154.36 | 0.32 | MWD_M | None |
| 59 | 339.08 | 0.94 | 89.80 | 5.00 | 338.87 | -19.56 | -6.46 | 3.18 | 7.20 | 153.81 | 1.15 | MWD_M | None |
| 60 | 344.08 | 0.95 | 85.21 | 5.00 | 343.87 | -19.54 | -6.46 | 3.26 | 7.23 | 153.21 | 0.47 | MWD_M | None |
| 61 | 349.08 | 1.09 | 63.96 | 5.00 | 348.87 | -19.49 | -6.43 | 3.34 | 7.25 | 152.53 | 2.44 | MWD_M | None |
| 62 | 354.08 | 1.23 | 59.45 | 5.00 | 353.87 | -19.42 | -6.38 | 3.43 | 7.25 | 151.73 | 1.02 | MWD_M | None |
| 63 | 359.08 | 1.53 | 47.32 | 5.00 | 358.87 | -19.33 | -6.31 | 3.53 | 7.23 | 150.79 | 2.54 | MWD_M | None |
| 64 | 364.08 | 1.66 | 44.19 | 5.00 | 363.86 | -19.21 | -6.21 | 3.63 | 7.19 | 149.72 | 0.95 | MWD_M | None |
| 65 | 369.08 | 1.95 | 37.33 | 5.00 | 368.86 | -19.06 | -6.09 | 3.73 | 7.14 | 148.53 | 2.20 | MWD_M | None |
| 66 | 374.08 | 2.14 | 33.74 | 5.00 | 373.86 | -18.90 | -5.95 | 3.83 | 7.08 | 147.20 | 1.40 | MWD_M | None |
| 67 | 379.08 | 2.50 | 32.64 | 5.00 | 378.85 | -18.70 | -5.78 | 3.94 | 7.00 | 145.69 | 2.21 | MWD_M | None |
| 68 | 384.08 | 2.71 | 29.00 | 5.00 | 383.85 | -18.49 | -5.58 | 4.06 | 6.90 | 143.98 | 1.63 | MWD_M | None |
| 69 | 389.08 | 3.13 | 26.71 | 5.00 | 388.84 | -18.24 | -5.36 | 4.18 | 6.79 | 142.05 | 2.66 | MWD_M | None |
| 70 | 394.08 | 3.37 | 24.24 | 5.00 | 393.83 | -17.96 | -5.10 | 4.30 | 6.67 | 139.88 | 1.69 | MWD_M | None |
| 71 | 399.08 | 3.70 | 22.28 | 5.00 | 398.82 | -17.65 | -4.82 | 4.42 | 6.54 | 137.46 | 2.14 | MWD_M | None |
| 72 | 404.08 | 3.93 | 20.75 | 5.00 | 403.81 | -17.32 | -4.51 | 4.54 | 6.40 | 134.79 | 1.53 | MWD_M | None |
| 73 | 409.08 | 4.40 | 20.41 | 5.00 | 408.80 | -16.96 | -4.17 | 4.67 | 6.26 | 131.75 | 2.87 | MWD_M | None |
| 74 | 414.08 | 4.59 | 20.18 | 5.00 | 413.78 | -16.57 | -3.80 | 4.81 | 6.13 | 128.34 | 1.16 | MWD_M | None |
| 75 | 419.08 | 5.03 | 19.34 | 5.00 | 418.77 | -16.15 | -3.41 | 4.95 | 6.01 | 124.55 | 2.72 | MWD_M | None |
| 76 | 424.08 | 5.27 | 19.31 | 5.00 | 423.75 | -15.70 | -2.98 | 5.10 | 5.91 | 120.35 | 1.46 | MWD_M | None |
| 77 | 429.08 | 5.60 | 19.04 | 5.00 | 428.72 | -15.23 | -2.54 | 5.25 | 5.83 | 115.78 | 2.02 | MWD_M | None |
| 78 | 434.08 | 5.96 | 18.28 | 5.00 | 433.70 | -14.73 | -2.06 | 5.41 | 5.79 | 110.83 | 2.24 | MWD_M | None |
| 79 | 439.08 | 6.39 | 17.47 | 5.00 | 438.67 | -14.19 | -1.55 | 5.58 | 5.79 | 105.50 | 2.67 | MWD_M | None |
| 80 | 444.08 | 6.82 | 15.96 | 5.00 | 443.64 | -13.62 | -1.00 | 5.74 | 5.83 | 99.84 | 2.83 | MWD_M | None |
| 81 | 449.08 | 7.25 | 15.10 | 5.00 | 448.60 | -13.00 | -0.41 | 5.91 | 5.92 | 93.94 | 2.70 | MWD_M | None |
| 82 | 454.08 | 7.60 | 14.33 | 5.00 | 453.56 | -12.36 | 0.22 | 6.07 | 6.08 | 87.94 | 2.22 | MWD_M | None |
| 83 | 459.08 | 7.96 | 13.75 | 5.00 | 458.51 | -11.68 | 0.88 | 6.24 | 6.30 | 82.01 | 2.25 | MWD_M | None |
| 84 | 464.08 | 8.44 | 13.43 | 5.00 | 463.46 | -10.97 | 1.57 | 6.40 | 6.59 | 76.24 | 2.94 | MWD_M | None |
| 85 | 469.08 | 8.92 | 12.86 | 5.00 | 468.40 | -10.21 | 2.30 | 6.57 | 6.97 | 70.69 | 2.97 | MWD_M | None |
| 86 | 474.08 | 9.40 | 12.31 | 5.00 | 473.34 | -9.42 | 3.08 | 6.75 | 7.42 | 65.47 | 2.97 | MWD_M | None |
| 87 | 479.08 | 9.85 | 11.95 | 5.00 | 478.27 | -8.58 | 3.90 | 6.92 | 7.94 | 60.62 | 2.77 | MWD_M | None |

| | | | | | | | | | | | | | |
|-----|--------|-------|-------|------|--------|--------|--------|-------|--------|-------|------|-------|------|
| 88 | 484.08 | 10.24 | 11.95 | 5.00 | 483.19 | -7.71 | 4.75 | 7.10 | 8.55 | 56.23 | 2.38 | MWD_M | None |
| 89 | 489.08 | 10.66 | 11.77 | 5.00 | 488.11 | -6.81 | 5.64 | 7.29 | 9.22 | 52.28 | 2.57 | MWD_M | None |
| 90 | 494.08 | 11.08 | 11.79 | 5.00 | 493.02 | -5.87 | 6.56 | 7.48 | 9.95 | 48.75 | 2.56 | MWD_M | None |
| 91 | 499.08 | 11.53 | 11.83 | 5.00 | 497.92 | -4.89 | 7.52 | 7.68 | 10.75 | 45.61 | 2.74 | MWD_M | None |
| 92 | 504.08 | 12.20 | 11.77 | 5.00 | 502.82 | -3.86 | 8.53 | 7.89 | 11.62 | 42.79 | 4.09 | MWD_M | None |
| 93 | 509.08 | 12.72 | 11.78 | 5.00 | 507.70 | -2.79 | 9.58 | 8.11 | 12.56 | 40.25 | 3.17 | MWD_M | None |
| 94 | 514.08 | 13.18 | 11.95 | 5.00 | 512.57 | -1.67 | 10.68 | 8.34 | 13.55 | 38.00 | 2.81 | MWD_M | None |
| 95 | 519.08 | 13.63 | 11.61 | 5.00 | 517.43 | -0.51 | 11.81 | 8.58 | 14.60 | 35.99 | 2.78 | MWD_M | None |
| 96 | 524.08 | 14.09 | 11.55 | 5.00 | 522.29 | 0.68 | 12.99 | 8.82 | 15.70 | 34.18 | 2.81 | MWD_M | None |
| 97 | 529.08 | 14.50 | 11.48 | 5.00 | 527.13 | 1.92 | 14.20 | 9.07 | 16.85 | 32.57 | 2.50 | MWD_M | None |
| 98 | 534.08 | 14.92 | 11.90 | 5.00 | 531.97 | 3.18 | 15.44 | 9.32 | 18.04 | 31.13 | 2.64 | MWD_M | None |
| 99 | 539.08 | 15.36 | 11.71 | 5.00 | 536.80 | 4.49 | 16.72 | 9.59 | 19.27 | 29.84 | 2.70 | MWD_M | None |
| 100 | 544.08 | 15.76 | 12.02 | 5.00 | 541.61 | 5.82 | 18.03 | 9.87 | 20.55 | 28.69 | 2.49 | MWD_M | None |
| 101 | 549.08 | 16.15 | 12.28 | 5.00 | 546.42 | 7.20 | 19.37 | 10.16 | 21.88 | 27.67 | 2.42 | MWD_M | None |
| 102 | 554.08 | 16.63 | 12.98 | 5.00 | 551.22 | 8.61 | 20.75 | 10.47 | 23.24 | 26.76 | 3.16 | MWD_M | None |
| 103 | 559.08 | 17.06 | 12.96 | 5.00 | 556.00 | 10.05 | 22.16 | 10.79 | 24.65 | 25.96 | 2.62 | MWD_M | None |
| 104 | 564.08 | 17.49 | 13.07 | 5.00 | 560.78 | 11.54 | 23.61 | 11.13 | 26.10 | 25.23 | 2.63 | MWD_M | None |
| 105 | 569.08 | 17.97 | 13.22 | 5.00 | 565.54 | 13.06 | 25.09 | 11.47 | 27.59 | 24.57 | 2.94 | MWD_M | None |
| 106 | 574.08 | 18.39 | 13.17 | 5.00 | 570.29 | 14.62 | 26.61 | 11.83 | 29.12 | 23.96 | 2.56 | MWD_M | None |
| 107 | 579.08 | 18.79 | 13.22 | 5.00 | 575.03 | 16.21 | 28.16 | 12.19 | 30.69 | 23.41 | 2.44 | MWD_M | None |
| 108 | 584.08 | 19.22 | 13.20 | 5.00 | 579.76 | 17.84 | 29.75 | 12.56 | 32.29 | 22.90 | 2.62 | MWD_M | None |
| 109 | 589.08 | 19.56 | 13.54 | 5.00 | 584.47 | 19.50 | 31.36 | 12.95 | 33.93 | 22.43 | 2.18 | MWD_M | None |
| 110 | 594.08 | 19.95 | 13.19 | 5.00 | 589.18 | 21.19 | 33.01 | 13.34 | 35.60 | 22.00 | 2.48 | MWD_M | None |
| 111 | 599.08 | 20.33 | 13.16 | 5.00 | 593.87 | 22.91 | 34.68 | 13.73 | 37.30 | 21.60 | 2.32 | MWD_M | None |
| 112 | 604.08 | 20.74 | 13.17 | 5.00 | 598.56 | 24.66 | 36.39 | 14.13 | 39.04 | 21.22 | 2.50 | MWD_M | None |
| 113 | 609.08 | 21.04 | 13.19 | 5.00 | 603.23 | 26.44 | 38.13 | 14.54 | 40.81 | 20.87 | 1.83 | MWD_M | None |
| 114 | 614.08 | 21.50 | 13.22 | 5.00 | 607.89 | 28.25 | 39.89 | 14.95 | 42.60 | 20.54 | 2.80 | MWD_M | None |
| 115 | 619.08 | 21.94 | 13.33 | 5.00 | 612.53 | 30.10 | 41.69 | 15.38 | 44.44 | 20.24 | 2.69 | MWD_M | None |
| 116 | 624.08 | 22.39 | 13.17 | 5.00 | 617.16 | 31.99 | 43.53 | 15.81 | 46.31 | 19.96 | 2.77 | MWD_M | None |
| 117 | 629.08 | 22.74 | 13.37 | 5.00 | 621.78 | 33.90 | 45.40 | 16.25 | 48.22 | 19.69 | 2.18 | MWD_M | None |
| 118 | 634.08 | 23.24 | 13.26 | 5.00 | 626.38 | 35.86 | 47.30 | 16.70 | 50.16 | 19.44 | 3.06 | MWD_M | None |
| 119 | 639.08 | 23.59 | 13.38 | 5.00 | 630.97 | 37.84 | 49.23 | 17.16 | 52.14 | 19.21 | 2.15 | MWD_M | None |
| 120 | 644.08 | 24.12 | 13.25 | 5.00 | 635.54 | 39.86 | 51.20 | 17.62 | 54.15 | 18.99 | 3.25 | MWD_M | None |
| 121 | 649.08 | 24.46 | 13.58 | 5.00 | 640.10 | 41.92 | 53.20 | 18.10 | 56.19 | 18.79 | 2.23 | MWD_M | None |
| 122 | 654.08 | 24.89 | 13.55 | 5.00 | 644.64 | 44.00 | 55.23 | 18.59 | 58.27 | 18.60 | 2.62 | MWD_M | None |
| 123 | 659.08 | 25.18 | 13.79 | 5.00 | 649.17 | 46.12 | 57.29 | 19.09 | 60.38 | 18.43 | 1.87 | MWD_M | None |
| 124 | 664.08 | 25.74 | 13.77 | 5.00 | 653.69 | 48.27 | 59.37 | 19.60 | 62.52 | 18.27 | 3.41 | MWD_M | None |
| 125 | 669.08 | 26.12 | 14.13 | 5.00 | 658.18 | 50.45 | 61.49 | 20.13 | 64.71 | 18.12 | 2.51 | MWD_M | None |
| 126 | 674.08 | 26.66 | 14.31 | 5.00 | 662.66 | 52.68 | 63.65 | 20.67 | 66.92 | 17.99 | 3.33 | MWD_M | None |
| 127 | 679.08 | 26.97 | 14.34 | 5.00 | 667.13 | 54.93 | 65.83 | 21.23 | 69.17 | 17.87 | 1.89 | MWD_M | None |
| 128 | 684.08 | 27.45 | 14.63 | 5.00 | 671.57 | 57.22 | 68.05 | 21.80 | 71.46 | 17.77 | 3.04 | MWD_M | None |
| 129 | 689.08 | 27.68 | 15.50 | 5.00 | 676.01 | 59.53 | 70.28 | 22.40 | 73.77 | 17.68 | 2.83 | MWD_M | None |
| 130 | 694.08 | 28.28 | 14.99 | 5.00 | 680.42 | 61.88 | 72.55 | 23.02 | 76.11 | 17.61 | 3.94 | MWD_M | None |
| 131 | 699.08 | 28.76 | 15.19 | 5.00 | 684.81 | 64.26 | 74.85 | 23.64 | 78.50 | 17.53 | 2.98 | MWD_M | None |
| 132 | 704.08 | 29.36 | 15.37 | 5.00 | 689.18 | 66.69 | 77.19 | 24.28 | 80.92 | 17.46 | 3.70 | MWD_M | None |
| 133 | 709.08 | 29.91 | 15.44 | 5.00 | 693.53 | 69.16 | 79.58 | 24.94 | 83.39 | 17.40 | 3.36 | MWD_M | None |
| 134 | 714.08 | 30.46 | 15.51 | 5.00 | 697.85 | 71.68 | 82.00 | 25.61 | 85.91 | 17.35 | 3.36 | MWD_M | None |
| 135 | 719.08 | 30.98 | 15.88 | 5.00 | 702.15 | 74.23 | 84.46 | 26.30 | 88.46 | 17.30 | 3.37 | MWD_M | None |
| 136 | 724.08 | 31.50 | 15.91 | 5.00 | 706.43 | 76.83 | 86.95 | 27.01 | 91.05 | 17.26 | 3.17 | MWD_M | None |
| 137 | 729.08 | 32.15 | 16.13 | 5.00 | 710.67 | 79.46 | 89.49 | 27.74 | 93.69 | 17.22 | 4.02 | MWD_M | None |
| 138 | 734.08 | 32.53 | 16.22 | 5.00 | 714.90 | 82.14 | 92.06 | 28.48 | 96.36 | 17.19 | 2.34 | MWD_M | None |
| 139 | 739.08 | 33.12 | 16.56 | 5.00 | 719.10 | 84.85 | 94.66 | 29.25 | 99.07 | 17.17 | 3.77 | MWD_M | None |
| 140 | 744.08 | 33.58 | 16.63 | 5.00 | 723.28 | 87.59 | 97.29 | 30.03 | 101.82 | 17.16 | 2.81 | MWD_M | None |
| 141 | 749.08 | 34.23 | 16.64 | 5.00 | 727.43 | 90.38 | 99.96 | 30.83 | 104.61 | 17.14 | 3.96 | MWD_M | None |
| 142 | 754.08 | 34.68 | 16.71 | 5.00 | 731.55 | 93.21 | 102.67 | 31.64 | 107.44 | 17.13 | 2.75 | MWD_M | None |
| 143 | 759.08 | 35.33 | 16.71 | 5.00 | 735.64 | 96.08 | 105.42 | 32.47 | 110.31 | 17.12 | 3.96 | MWD_M | None |
| 144 | 764.08 | 35.74 | 16.90 | 5.00 | 739.71 | 98.98 | 108.20 | 33.31 | 113.21 | 17.11 | 2.59 | MWD_M | None |
| 145 | 769.08 | 36.44 | 16.94 | 5.00 | 743.75 | 101.93 | 111.02 | 34.17 | 116.16 | 17.11 | 4.27 | MWD_M | None |
| 146 | 774.08 | 36.88 | 17.00 | 5.00 | 747.77 | 104.91 | 113.87 | 35.04 | 119.14 | 17.10 | 2.69 | MWD_M | None |
| 147 | 779.08 | 37.65 | 17.10 | 5.00 | 751.74 | 107.94 | 116.77 | 35.93 | 122.17 | 17.10 | 4.71 | MWD_M | None |
| 148 | 784.08 | 37.96 | 17.09 | 5.00 | 755.69 | 111.00 | 119.70 | 36.83 | 125.24 | 17.10 | 1.89 | MWD_M | None |
| 149 | 789.08 | 38.71 | 17.08 | 5.00 | 759.62 | 114.10 | 122.66 | 37.74 | 128.34 | 17.10 | 4.57 | MWD_M | None |
| 150 | 794.08 | 39.01 | 17.21 | 5.00 | 763.51 | 117.24 | 125.66 | 38.66 | 131.47 | 17.10 | 1.90 | MWD_M | None |
| 151 | 799.08 | 39.73 | 17.32 | 5.00 | 767.38 | 120.41 | 128.69 | 39.60 | 134.65 | 17.11 | 4.41 | MWD_M | None |
| 152 | 804.08 | 40.04 | 17.35 | 5.00 | 771.21 | 123.61 | 131.75 | 40.56 | 137.85 | 17.11 | 1.89 | MWD_M | None |
| 153 | 809.08 | 40.79 | 17.37 | 5.00 | 775.02 | 126.85 | 134.84 | 41.53 | 141.09 | 17.12 | 4.57 | MWD_M | None |
| 154 | 814.08 | 41.26 | 16.88 | 5.00 | 778.79 | 130.13 | 137.98 | 42.49 | 144.38 | 17.12 | 3.47 | MWD_M | None |
| 155 | 819.08 | 41.82 | 17.36 | 5.00 | 782.53 | 133.44 | 141.15 | 43.47 | 147.69 | 17.12 | 3.93 | MWD_M | None |
| 156 | 824.08 | 42.27 | 17.45 | 5.00 | 786.25 | 136.79 | 144.34 | 44.47 | 151.04 | 17.12 | 2.77 | MWD_M | None |
| 157 | 829.08 | 42.86 | 17.48 | 5.00 | 789.93 | 140.17 | 147.57 | 45.49 | 154.42 | 17.13 | 3.60 | MWD_M | None |
| 158 | 834.08 | 43.41 | 17.44 | 5.00 | 793.58 | 143.59 | 150.83 | 46.51 | 157.84 | 17.14 | 3.36 | MWD_M | None |
| 159 | 839.08 | 43.87 | 17.47 | 5.00 | 797.20 | 147.04 | 154.12 | 47.55 | 161.29 | 17.14 | 2.81 | MWD_M | None |
| 160 | 844.08 | 44.42 | 17.45 | 5.00 | 800.78 | 150.52 | 157.44 | 48.59 | 164.77 | 17.15 | 3.35 | MWD_M | None |
| 161 | 849.08 | 44.93 | 17.49 | 5.00 | 804.34 | 154.03 | 160.80 | 49.65 | 168.29 | 17.16 | 3.11 | MWD_M | None |
| 162 | 854.08 | 45.62 | 17.46 | 5.00 | 807.86 | 157.58 | 164.19 | 50.71 | 171.84 | 17.16 | 4.21 | MWD_M | None |
| 163 | 859.08 | 46.11 | 17.41 | 5.00 | 811.34 | 161.16 | 167.61 | 51.79 | 175.43 | 17.17 | 3.00 | MWD_M | None |
| 164 | 864.08 | 46.86 | 17.42 | 5.00 | 814.78 | 164.79 | 171.07 | 52.87 | 179.05 | 17.18 | 4.57 | MWD_M | None |
| 165 | 869.08 | 47.24 | 17.38 | 5.00 | 818.19 | 168.45 | 174.56 | 53.97 | 182.71 | 17.18 | 2.32 | MWD_M | None |
| 166 | 874.08 | 48.14 | 17.36 | 5.00 | 821.56 | 172.14 | 178.09 | 55.07 | 186.41 | 17.18 | 5.49 | MWD_M | None |
| 167 | 879.08 | 48.59 | 17.53 | 5.00 | 824.88 | 175.88 | 181.66 | 56.18 | 190.15 | 17.19 | 2.85 | MWD_M | None |

| | | | | | | | | | | | | | |
|-----|---------|-------|--------|-------|---------|---------|---------|--------|---------|--------|------|-------|------|
| 247 | 3056.43 | 83.75 | 357.79 | 29.98 | 1158.37 | 2222.18 | 2310.62 | 31.24 | 2310.83 | 0.77 | 0.12 | MWD_M | None |
| 248 | 3084.75 | 83.72 | 357.72 | 28.32 | 1161.46 | 2249.02 | 2338.75 | 30.13 | 2338.94 | 0.74 | 0.08 | MWD_M | None |
| 249 | 3113.98 | 83.78 | 357.85 | 29.23 | 1164.65 | 2276.72 | 2367.78 | 29.01 | 2367.96 | 0.70 | 0.15 | MWD_M | None |
| 250 | 3143.28 | 83.69 | 357.64 | 29.30 | 1167.84 | 2304.48 | 2396.89 | 27.86 | 2397.05 | 0.67 | 0.24 | MWD_M | None |
| | | | | | | | | | | | | | |
| 251 | 3172.76 | 83.81 | 357.78 | 29.48 | 1171.05 | 2332.40 | 2426.17 | 26.69 | 2426.32 | 0.63 | 0.19 | MWD_M | None |
| 252 | 3201.21 | 83.66 | 357.50 | 28.45 | 1174.16 | 2359.34 | 2454.42 | 25.53 | 2454.56 | 0.60 | 0.34 | MWD_M | None |
| 253 | 3230.78 | 83.78 | 357.84 | 29.57 | 1177.39 | 2387.34 | 2483.79 | 24.33 | 2483.91 | 0.56 | 0.37 | MWD_M | None |
| 254 | 3260.24 | 83.75 | 357.88 | 29.46 | 1180.59 | 2415.27 | 2513.06 | 23.24 | 2513.17 | 0.53 | 0.05 | MWD_M | None |
| 255 | 3289.18 | 83.69 | 357.86 | 28.94 | 1183.76 | 2442.71 | 2541.80 | 22.17 | 2541.90 | 0.50 | 0.07 | MWD_M | None |
| | | | | | | | | | | | | | |
| 256 | 3318.13 | 83.69 | 358.42 | 28.95 | 1186.94 | 2470.19 | 2570.56 | 21.24 | 2570.65 | 0.47 | 0.59 | MWD_M | None |
| 257 | 3347.57 | 83.81 | 358.66 | 29.44 | 1190.14 | 2498.21 | 2599.82 | 20.49 | 2599.90 | 0.45 | 0.28 | MWD_M | None |
| 258 | 3377.12 | 83.69 | 358.85 | 29.55 | 1193.36 | 2526.36 | 2629.19 | 19.85 | 2629.26 | 0.43 | 0.23 | MWD_M | None |
| 259 | 3406.44 | 83.78 | 358.79 | 29.32 | 1196.56 | 2554.29 | 2658.33 | 19.25 | 2658.40 | 0.41 | 0.11 | MWD_M | None |
| 260 | 3435.20 | 83.78 | 359.05 | 28.76 | 1199.68 | 2581.72 | 2686.91 | 18.71 | 2686.98 | 0.40 | 0.27 | MWD_M | None |
| | | | | | | | | | | | | | |
| 261 | 3464.13 | 83.81 | 359.07 | 28.93 | 1202.80 | 2609.32 | 2715.67 | 18.24 | 2715.73 | 0.38 | 0.04 | MWD_M | None |
| 262 | 3493.42 | 83.86 | 359.20 | 29.29 | 1205.95 | 2637.28 | 2744.79 | 17.80 | 2744.84 | 0.37 | 0.14 | MWD_M | None |
| 263 | 3522.89 | 83.90 | 359.25 | 29.47 | 1209.09 | 2665.43 | 2774.08 | 17.41 | 2774.14 | 0.36 | 0.07 | MWD_M | None |
| 264 | 3551.59 | 83.84 | 359.18 | 28.70 | 1212.16 | 2692.84 | 2802.62 | 17.02 | 2802.67 | 0.35 | 0.10 | MWD_M | None |
| 265 | 3580.88 | 83.84 | 359.05 | 29.29 | 1215.30 | 2720.80 | 2831.73 | 16.57 | 2831.78 | 0.34 | 0.13 | MWD_M | None |
| | | | | | | | | | | | | | |
| 266 | 3610.21 | 83.84 | 359.07 | 29.33 | 1218.45 | 2748.79 | 2860.89 | 16.09 | 2860.94 | 0.32 | 0.02 | MWD_M | None |
| 267 | 3639.20 | 83.75 | 358.93 | 28.99 | 1221.58 | 2776.44 | 2889.71 | 15.58 | 2889.75 | 0.31 | 0.17 | MWD_M | None |
| 268 | 3667.94 | 83.83 | 359.08 | 28.74 | 1224.69 | 2803.86 | 2918.27 | 15.09 | 2918.31 | 0.30 | 0.18 | MWD_M | None |
| 269 | 3697.38 | 83.72 | 358.90 | 29.44 | 1227.88 | 2831.94 | 2947.54 | 14.57 | 2947.57 | 0.28 | 0.22 | MWD_M | None |
| 270 | 3726.30 | 83.84 | 358.61 | 28.92 | 1231.01 | 2859.49 | 2976.28 | 13.95 | 2976.31 | 0.27 | 0.33 | MWD_M | None |
| | | | | | | | | | | | | | |
| 271 | 3755.91 | 83.78 | 358.49 | 29.61 | 1234.21 | 2887.67 | 3005.71 | 13.20 | 3005.74 | 0.25 | 0.14 | MWD_M | None |
| 272 | 3784.42 | 83.52 | 358.58 | 28.51 | 1237.36 | 2914.79 | 3034.03 | 12.48 | 3034.06 | 0.24 | 0.29 | MWD_M | None |
| 273 | 3813.73 | 83.52 | 358.49 | 29.31 | 1240.67 | 2942.66 | 3063.15 | 11.73 | 3063.17 | 0.22 | 0.09 | MWD_M | None |
| 274 | 3843.18 | 83.61 | 358.25 | 29.45 | 1243.97 | 2970.65 | 3092.40 | 10.90 | 3092.42 | 0.20 | 0.26 | MWD_M | None |
| 275 | 3872.58 | 83.58 | 358.27 | 29.40 | 1247.25 | 2998.58 | 3121.60 | 10.01 | 3121.62 | 0.18 | 0.04 | MWD_M | None |
| | | | | | | | | | | | | | |
| 276 | 3901.17 | 83.63 | 358.36 | 28.59 | 1250.43 | 3025.74 | 3150.00 | 9.18 | 3150.01 | 0.17 | 0.11 | MWD_M | None |
| 277 | 3930.54 | 83.55 | 358.00 | 29.37 | 1253.71 | 3053.62 | 3179.17 | 8.25 | 3179.18 | 0.15 | 0.38 | MWD_M | None |
| 278 | 3959.96 | 83.43 | 358.01 | 29.42 | 1257.05 | 3081.52 | 3208.39 | 7.23 | 3208.39 | 0.13 | 0.12 | MWD_M | None |
| 279 | 3989.15 | 83.55 | 358.11 | 29.19 | 1260.36 | 3109.21 | 3237.37 | 6.25 | 3237.38 | 0.11 | 0.16 | MWD_M | None |
| 280 | 4017.43 | 83.69 | 358.25 | 28.28 | 1263.50 | 3136.06 | 3265.46 | 5.36 | 3265.47 | 0.09 | 0.21 | MWD_M | None |
| | | | | | | | | | | | | | |
| 281 | 4047.15 | 83.66 | 358.27 | 29.72 | 1266.77 | 3164.30 | 3294.99 | 4.46 | 3294.99 | 0.08 | 0.04 | MWD_M | None |
| 282 | 4076.39 | 83.69 | 357.94 | 29.24 | 1269.99 | 3192.05 | 3324.03 | 3.50 | 3324.04 | 0.06 | 0.34 | MWD_M | None |
| 283 | 4105.12 | 83.66 | 357.67 | 28.73 | 1273.16 | 3219.28 | 3352.57 | 2.41 | 3352.57 | 0.04 | 0.29 | MWD_M | None |
| 284 | 4134.59 | 83.52 | 357.69 | 29.47 | 1276.45 | 3247.18 | 3381.83 | 1.22 | 3381.83 | 0.02 | 0.15 | MWD_M | None |
| 285 | 4163.51 | 83.61 | 357.96 | 28.92 | 1279.69 | 3274.58 | 3410.55 | 0.13 | 3410.55 | 0.00 | 0.30 | MWD_M | None |
| | | | | | | | | | | | | | |
| 286 | 4192.60 | 83.55 | 357.78 | 29.09 | 1282.94 | 3302.15 | 3439.43 | -0.94 | 3439.43 | 359.98 | 0.20 | MWD_M | None |
| 287 | 4221.10 | 83.55 | 357.98 | 28.50 | 1286.15 | 3329.16 | 3467.73 | -1.99 | 3467.73 | 359.97 | 0.21 | MWD_M | None |
| 288 | 4250.55 | 83.55 | 357.75 | 29.45 | 1289.45 | 3357.07 | 3496.98 | -3.08 | 3496.98 | 359.95 | 0.24 | MWD_M | None |
| 289 | 4279.61 | 83.55 | 357.64 | 29.06 | 1292.72 | 3384.59 | 3525.83 | -4.24 | 3525.83 | 359.93 | 0.11 | MWD_M | None |
| 290 | 4308.95 | 83.55 | 358.01 | 29.34 | 1296.01 | 3412.39 | 3554.96 | -5.35 | 3554.97 | 359.91 | 0.38 | MWD_M | None |
| | | | | | | | | | | | | | |
| 291 | 4337.80 | 83.40 | 357.78 | 28.85 | 1299.29 | 3439.73 | 3583.61 | -6.40 | 3583.61 | 359.90 | 0.29 | MWD_M | None |
| 292 | 4367.03 | 83.63 | 357.70 | 29.23 | 1302.59 | 3467.41 | 3612.63 | -7.55 | 3612.63 | 359.88 | 0.25 | MWD_M | None |
| 293 | 4396.41 | 83.60 | 357.78 | 29.38 | 1305.86 | 3495.24 | 3641.80 | -8.70 | 3641.81 | 359.86 | 0.09 | MWD_M | None |
| 294 | 4425.87 | 83.66 | 358.03 | 29.46 | 1309.13 | 3523.17 | 3671.06 | -9.77 | 3671.07 | 359.85 | 0.26 | MWD_M | None |
| 295 | 4454.60 | 83.72 | 357.76 | 28.73 | 1312.29 | 3550.41 | 3699.60 | -10.82 | 3699.61 | 359.83 | 0.29 | MWD_M | None |
| | | | | | | | | | | | | | |
| 296 | 4483.91 | 83.78 | 357.58 | 29.31 | 1315.48 | 3578.17 | 3728.71 | -12.00 | 3728.73 | 359.82 | 0.20 | MWD_M | None |
| 297 | 4513.33 | 83.72 | 357.44 | 29.42 | 1318.68 | 3606.00 | 3757.93 | -13.27 | 3757.95 | 359.80 | 0.16 | MWD_M | None |
| 298 | 4542.48 | 83.75 | 357.29 | 29.15 | 1321.86 | 3633.56 | 3786.87 | -14.60 | 3786.90 | 359.78 | 0.16 | MWD_M | None |
| 299 | 4571.38 | 83.66 | 357.37 | 28.90 | 1325.03 | 3660.88 | 3815.57 | -15.94 | 3815.60 | 359.76 | 0.13 | MWD_M | None |
| 300 | 4600.33 | 83.69 | 357.39 | 28.95 | 1328.22 | 3688.25 | 3844.31 | -17.26 | 3844.35 | 359.74 | 0.04 | MWD_M | None |
| | | | | | | | | | | | | | |
| 301 | 4630.05 | 83.78 | 357.52 | 29.72 | 1331.46 | 3716.36 | 3873.82 | -18.57 | 3873.87 | 359.73 | 0.16 | MWD_M | None |
| 302 | 4659.08 | 83.69 | 357.71 | 29.03 | 1334.63 | 3743.84 | 3902.65 | -19.77 | 3902.70 | 359.71 | 0.22 | MWD_M | None |
| 303 | 4687.99 | 83.52 | 357.57 | 28.91 | 1337.85 | 3771.21 | 3931.36 | -20.95 | 3931.42 | 359.69 | 0.23 | MWD_M | None |
| 304 | 4717.29 | 83.90 | 357.98 | 29.30 | 1341.06 | 3798.97 | 3960.46 | -22.08 | 3960.52 | 359.68 | 0.58 | MWD_M | None |
| 305 | 4746.43 | 83.81 | 358.01 | 29.14 | 1344.18 | 3826.62 | 3989.42 | -23.10 | 3989.48 | 359.67 | 0.10 | MWD_M | None |
| | | | | | | | | | | | | | |
| 306 | 4775.73 | 83.72 | 357.84 | 29.30 | 1347.36 | 3854.41 | 4018.52 | -24.15 | 4018.60 | 359.66 | 0.20 | MWD_M | None |
| 307 | 4804.51 | 83.81 | 357.54 | 28.78 | 1350.49 | 3881.67 | 4047.11 | -25.31 | 4047.19 | 359.64 | 0.33 | MWD_M | None |
| 308 | 4833.86 | 83.84 | 358.67 | 29.35 | 1353.65 | 3909.54 | 4076.27 | -26.27 | 4076.36 | 359.63 | 1.17 | MWD_M | None |
| 309 | 4863.36 | 83.60 | 358.34 | 29.50 | 1356.87 | 3937.60 | 4105.59 | -27.04 | 4105.68 | 359.62 | 0.42 | MWD_M | None |
| 310 | 4892.48 | 83.83 | 358.33 | 29.12 | 1360.06 | 3965.28 | 4134.52 | -27.88 | 4134.61 | 359.61 | 0.24 | MWD_M | None |
| | | | | | | | | | | | | | |
| 311 | 4921.35 | 83.69 | 358.21 | 28.87 | 1363.20 | 3992.71 | 4163.21 | -28.74 | 4163.30 | 359.60 | 0.19 | MWD_M | None |
| 312 | 4950.53 | 83.84 | 358.42 | 29.18 | 1366.37 | 4020.44 | 4192.20 | -29.60 | 4192.30 | 359.60 | 0.27 | MWD_M | None |
| 313 | 4980.12 | 83.66 | 358.43 | 29.59 | 1369.59 | 4048.58 | 4221.60 | -30.40 | 4221.71 | 359.59 | 0.19 | MWD_M | None |
| 314 | 5009.46 | 83.78 | 358.89 | 29.34 | 1372.80 | 4076.51 | 4250.76 | -31.09 | 4250.87 | 359.58 | 0.49 | MWD_M | None |
| 315 | 5037.97 | 83.66 | 359.11 | 28.51 | 1375.92 | 4103.71 | 4279.09 | -31.58 | 4279.21 | 359.58 | 0.27 | MWD_M | None |
| | | | | | | | | | | | | | |
| 316 | 5067.57 | 83.66 | 359.33 | 29.60 | 1379.19 | 4131.96 | 4308.51 | -31.98 | 4308.63 | 359.57 | 0.23 | MWD_M | None |
| 317 | 50 | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|-----|---------|-------|--------|-------|---------|---------|---------|--------|---------|--------|------|-------------|------|
| 327 | 5417.97 | 53.51 | 355.34 | 29.32 | 1486.39 | 4445.20 | 4636.32 | -42.77 | 4636.51 | 359.47 | 3.89 | MWD_M | None |
| 328 | 5447.17 | 49.80 | 357.07 | 29.20 | 1504.50 | 4466.83 | 4659.16 | -44.30 | 4659.37 | 359.46 | 4.12 | MWD_M | None |
| 329 | 5465.29 | 47.44 | 358.20 | 18.12 | 1516.48 | 4479.78 | 4672.75 | -44.86 | 4672.96 | 359.45 | 4.22 | MWD_M | None |
| 330 | 5504.48 | 44.01 | 358.64 | 39.19 | 1543.83 | 4506.61 | 4700.79 | -45.64 | 4701.01 | 359.44 | 2.68 | MWD_M | None |
| 331 | 5532.97 | 40.34 | 358.53 | 28.49 | 1564.94 | 4524.93 | 4719.91 | -46.11 | 4720.13 | 359.44 | 3.93 | MWD_M | None |
| 332 | 5562.30 | 36.75 | 358.53 | 29.33 | 1587.88 | 4542.42 | 4738.18 | -46.58 | 4738.41 | 359.44 | 3.73 | MWD_M | None |
| 333 | 5591.53 | 34.63 | 358.43 | 29.23 | 1611.62 | 4558.73 | 4755.22 | -47.03 | 4755.45 | 359.43 | 2.21 | MWD_M | None |
| 334 | 5620.80 | 32.71 | 358.02 | 29.27 | 1635.97 | 4574.24 | 4771.44 | -47.53 | 4771.68 | 359.43 | 2.01 | MWD_M | None |
| 335 | 5649.72 | 31.49 | 358.04 | 28.92 | 1660.47 | 4588.91 | 4786.80 | -48.06 | 4787.04 | 359.42 | 1.29 | MWD_M | None |
| 336 | 5679.01 | 31.44 | 357.12 | 29.29 | 1685.46 | 4603.47 | 4802.07 | -48.71 | 4802.32 | 359.42 | 0.50 | MWD_M | None |
| 337 | 5708.73 | 31.64 | 356.93 | 29.72 | 1710.79 | 4618.23 | 4817.60 | -49.51 | 4817.85 | 359.41 | 0.23 | MWD_M | None |
| 338 | 5737.78 | 31.67 | 356.55 | 29.05 | 1735.51 | 4632.67 | 4832.82 | -50.38 | 4833.08 | 359.40 | 0.21 | MWD_M | None |
| 339 | 5766.77 | 29.44 | 355.60 | 28.99 | 1760.48 | 4646.58 | 4847.52 | -51.39 | 4847.79 | 359.39 | 2.40 | MWD_M | None |
| 340 | 5795.91 | 27.64 | 356.38 | 29.14 | 1786.07 | 4659.72 | 4861.41 | -52.36 | 4861.69 | 359.38 | 1.92 | MWD_M | None |
| 341 | 5825.35 | 26.89 | 355.68 | 29.44 | 1812.24 | 4672.44 | 4874.86 | -53.29 | 4875.15 | 359.37 | 0.84 | MWD_M | None |
| 342 | 5854.53 | 27.34 | 355.94 | 29.18 | 1838.22 | 4684.98 | 4888.13 | -54.27 | 4888.43 | 359.36 | 0.49 | MWD_M | None |
| 343 | 5883.50 | 27.60 | 357.84 | 28.97 | 1863.92 | 4697.65 | 4901.47 | -54.99 | 4901.78 | 359.36 | 0.96 | MWD_M | None |
| 344 | 5912.24 | 27.77 | 359.77 | 28.74 | 1889.37 | 4710.45 | 4914.82 | -55.27 | 4915.13 | 359.36 | 0.97 | MWD_M | None |
| 345 | 5941.77 | 27.64 | 359.21 | 29.53 | 1915.52 | 4723.65 | 4928.55 | -55.39 | 4928.86 | 359.36 | 0.30 | MWD_M | None |
| 346 | 5971.02 | 27.38 | 359.28 | 29.25 | 1941.46 | 4736.63 | 4942.06 | -55.57 | 4942.37 | 359.36 | 0.27 | MWD_M | None |
| 347 | 6000.53 | 27.41 | 359.59 | 29.51 | 1967.66 | 4749.69 | 4955.63 | -55.70 | 4955.95 | 359.36 | 0.15 | MWD_M | None |
| 348 | 6029.73 | 27.69 | 1.31 | 29.20 | 1993.55 | 4762.74 | 4969.14 | -55.59 | 4969.45 | 359.36 | 0.88 | MWD_M | None |
| 349 | 6059.06 | 27.62 | 0.02 | 29.33 | 2019.53 | 4775.91 | 4982.75 | -55.44 | 4983.06 | 359.36 | 0.63 | MWD_M | None |
| 350 | 6088.26 | 27.80 | 359.49 | 29.20 | 2045.38 | 4788.98 | 4996.33 | -55.49 | 4996.63 | 359.36 | 0.32 | MWD_M | None |
| 351 | 6117.69 | 27.61 | 357.48 | 29.43 | 2071.43 | 4802.08 | 5010.00 | -55.86 | 5010.31 | 359.36 | 0.99 | MWD_M | None |
| 352 | 6146.78 | 27.48 | 355.74 | 29.09 | 2097.23 | 4814.81 | 5023.43 | -56.65 | 5023.75 | 359.35 | 0.85 | MWD_M | None |
| 353 | 6176.12 | 27.44 | 356.35 | 29.34 | 2123.26 | 4827.58 | 5036.93 | -57.58 | 5037.26 | 359.35 | 0.30 | MWD_M | None |
| 354 | 6205.61 | 27.56 | 354.21 | 29.49 | 2149.42 | 4840.37 | 5050.50 | -58.70 | 5050.84 | 359.33 | 1.03 | MWD_M | None |
| 355 | 6234.75 | 27.37 | 353.94 | 29.14 | 2175.28 | 4852.89 | 5063.86 | -60.09 | 5064.22 | 359.32 | 0.24 | MWD_M | None |
| 356 | 6263.96 | 27.52 | 354.19 | 29.21 | 2201.20 | 4865.43 | 5077.25 | -61.48 | 5077.63 | 359.31 | 0.20 | MWD_M | None |
| 357 | 6293.53 | 27.37 | 355.16 | 29.57 | 2227.44 | 4878.18 | 5090.82 | -62.75 | 5091.21 | 359.29 | 0.49 | MWD_M | None |
| 358 | 6322.54 | 27.53 | 357.02 | 29.01 | 2253.19 | 4890.81 | 5104.16 | -63.66 | 5104.56 | 359.29 | 0.92 | MWD_M | None |
| 359 | 6351.94 | 27.49 | 357.66 | 29.40 | 2279.26 | 4903.72 | 5117.73 | -64.29 | 5118.13 | 359.28 | 0.31 | MWD_M | None |
| 360 | 6381.24 | 27.31 | 357.62 | 29.30 | 2305.28 | 4916.56 | 5131.20 | -64.85 | 5131.61 | 359.28 | 0.19 | MWD_M | None |
| 361 | 6410.48 | 27.54 | 358.05 | 29.24 | 2331.23 | 4929.41 | 5144.66 | -65.35 | 5145.07 | 359.27 | 0.32 | MWD_M | None |
| 362 | 6434.27 | 27.52 | 356.65 | 23.79 | 2352.32 | 4939.86 | 5155.64 | -65.86 | 5156.06 | 359.27 | 0.83 | MWD_M | None |
| 363 | 6456.00 | 27.50 | 358.00 | 21.73 | 2371.60 | 4949.41 | 5165.67 | -66.33 | 5166.09 | 359.26 | 0.88 | Proj. to TD | |

[(c)2008 IDEAL ID14_0C_02]

Company:

ESSO Australia Pty Ltd

Well:

SNA A26A

Field:

Moonfish

Rig:

ISDL 175

State:

Victoria

EcoScope* Resistivity

1:500 True Vertical Depth

Recorded Mode Log (Trip-Out)

Schlumberger

9.50 In. Section

