

# Schlumberger

Company: **Nexus Energy Ltd**

## 9.5 in Section

**Well: Longtom-4 H**

Field: Longtom

**Rig: West Triton**

State:

# Victoria

EcoScope\* Density Neutron  
1:500 True Vertical Depth  
Recorded Mode Log

Total depth:		4648.0 m	K.B.	Top Drive
Spud date:		21-Jun-08	G.L.	-97.06 m
Runs:		7 To 8	D.F.	41.06 m
Permanent datum:		Least Astronomical Tide	Elev.:	0.0 m
Log measured from:		Drill Floor	41.06 m above Perm. datum	
Depth reference:		Driller's Depth		
Service Order No.	X = E 616,897.309 m	Longitude	Latitude	
08ASQ0007	Y = N 5,781,704.499 m	E 148° 19' 59.944"	S 38° 06' 17.707"	

## West Triton

Longtom

Location: Bass Strait

Longtom-4 H

Company: Nexus Energy Ltd

Depth logged:	2680.00 m	To	4638.31 m
Date logged:	01-Aug-08	To	10-Aug-08

Mag decl: 13.1° deg.  
Mag dip: -68.59° deg.

Other services:  
See Remarks

Bore hole record			Casing record			
Hole size	from	to	Size	Density	from	to
9.5 in.	2591.0 m	4648.0 m	10.75 in.	55.5 lb/ft	749.0 m	2591.0 m
Mud record			Borehole deviation record			
Type	from	to	Min	Max	from	to
Accolade SBM	2591.0 m	4648.0 m	52.52 deg.	94.02 deg.	2621.57 m	3373.56 m

Surface equipment		Software record			
Unit	OLU-KC-0702	IDEAL w/s	ID13_0c_08		
Depth system	PDA	SPM	hspm13_0c_03		
		LWD	See Remarks		
		MWD	See Remarks		

# Bit Run Summary

Run number		7	8							
Bit size	in.	9.5	9.5							
Bit start depth	m	2690.00	3577.00							
Bit end depth	m	3577.00	4648.00							
Top interval logged	m	2680.00	3567.27							
Bottom interval logged	m	3567.27	4638.31							
Begin log: time		08:49	08:21							
Begin log: date		2-Aug-08	7-Aug-08							
End log: time		21:49	02:39							
End log: date		5-Aug-08	10-Aug-08							
<b>Mud data</b>										
Depth	m	3525.00	4558.00							
Type		Accolade SBM	Accolade SBM							
Mud weight	ppg	12.0	12.1							
Solids	%	19.9	18.6							
Chlorides	ppm	281,320	291,174							
Rm	ohm.m@°C	n/a	n/a							
Rmf	ohm.m@°C	n/a	n/a							
Rmc	ohm.m@°C	n/a	n/a							

Potassium	%	n/a	n/a								
<b>Environmental data</b>											
<b>GR</b>											
Mud weight	ppg	12.0	12.1								
Bit size	in.	9.5	9.5								
<b>Resistivity</b>											
<b>Neutron porosity</b>											
Hole Size	in.	9.5	9.5								
Mud weight	ppg	12.0	12.1								
Temperature	°C	101.0	120.0								
Mud salinity	ppk	60.48	61.15								
Formation salinity		n/a	n/a								
Recording rate 1	SEC	2 (GR, Res)	2 (GR, Res)								
Recording rate 2	SEC	4 (Den, Neu)	4 (Den, Neu)								
Filtering GR		3 pts	3 pts								
Filtering density		3 pts	3 pts								
Filtering Neutron		3 pts	3 pts								
Company representative		B. Openshaw	R. Rossouw								
Anadrill personnel		M. Kampen	M. Lu	S.T.D.Aung	P.Sellathurai	P.Dassens	J.Condon				

<p style="text-align: center;"><b>DISCLAIMER</b></p> <p>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.</p>											
<b>OTHER SERVICES FOR RUN7</b> Directional Drilling Directional Surveys Annular Pressure & Temperature Shock & Vibrations				<b>OTHER SERVICES FOR RUN8</b> Directional Drilling Directional Surveys Annular Pressure & Temperature Shock & Vibrations							
<b>REMARKS: RUN NUMBER 7</b> 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 using a limestone matrix density of 2.71 g/cm3.  POOH due to Downhole Tool Failure.				<b>REMARKS: RUN NUMBER 8</b> 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 using a limestone matrix density of 2.71 g/cm3.  POOH due to reaching TD.							

<b>EQUIPMENT DESCRIPTION</b>											
<b>RUN7</b>				<b>RUN8</b>							
DOWNHOLE EQUIPMENT				DOWNHOLE EQUIPMENT							

## DOWNHOLE EQUIPMENT

## DOWNHOLE EQUIPMENT

6-3/4" Telescope\*  
DHS: 9.2C02  
MDC: E0330  
MEC: 280  
MDI: 1888  
MVC: 256

24.45

D&I — 20.08  
MVC — 19.43

6-3/4" EcoScope\*  
SN#963  
DHS: v2.2  
BladeOD: 9-1/8"  
PNG C: 2149-41537  
Source S/N: A2585

15.93

Spectroscopy — 13.32  
Neutron Porosity — 13.17  
Ultrasonic — 11.35  
Bulk Density — 10.98  
Pressure — 9.89  
Gamma Ray — 9.73

6-3/4" Telescope\*  
DHS: 9.2C02  
MDC: FU22  
MEC: 862  
MDI: 2536  
MVC: 282

24.44

D&I — 20.07  
MVC — 19.42

6-3/4" EcoScope\*  
SN#805  
DHS: v2.2  
BladeOD: 9-1/8"  
PNG C: 2242-41221  
Source S/N: A2474

15.93

Spectroscopy — 13.29  
Neutron Porosity — 13.14  
Ultrasonic — 11.32  
Bulk Density — 10.95  
Pressure — 9.86  
Gamma Ray — 9.69

6-3/4" PowerDrive Xceed\*  
SN#241  
DHS: 37B05  
BladeOD: 9 3/8"

7.88

9-1/2" Reed Hycalog PDC Bit  
SN#218795

0.00

0.22

Maximum string diameter 9.50 in.  
All lengths in Meters

PowerDrive Xceed\*  
SN#267  
DHS: 37B05  
BladeOD: 9 3/8"

7.88

9-1/2" Red Hycalog PDC Bit  
SN#216535

0.00

0.22

Maximum string diameter 9.50 in.  
All lengths in Meters

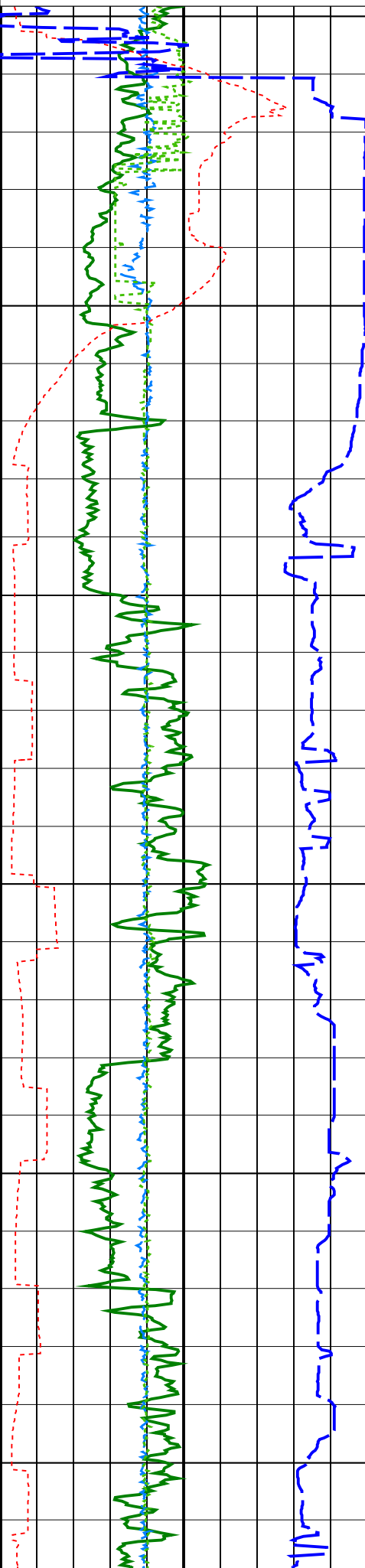
Variable Name	Variable Description	Run Name & Value		
	Run Number		5	6
	General Information			
BHT_RM	Bottom Hole Temperature (RM)	DEGC	90.550	86.000
BSAL_RM	Mud Salinity (RM)	PPK	63.38	63.38
BS_RM	Bit Size (RM)	IN	9.500	9.500
COEF_M	User Defined FEXP in Clean Sand	----	1.650	1.650
C_WS	Overpressure correction to Sw and M	----	1.000	1.000
FEXP	Formation Factor Exponent (RM)	----	2.000	2.000
FNUM	Formation Factor Enumerator (RM)	----	1.000	1.000
FPHI_RM	Formation Factor Porosity Source (RM)	----	XPLOT	XPLOT
MST_RM	Mud Sample temperature (RM)	DEGC	20.000	20.000
MW_RM	Mud Weight (RM)	LB/G	12.200	12.000
OBMF_RM	Oil Based Mud (RM)	----	YES	YES
RHOF_RM	Mud Filtrate Density (RM)	G/C3	1.000	1.000
RHOM_RM	Matrix density (RM)	G/C3	2.710	2.710
RMS_RM	Resistivity of Mud Sample (RM)	OHMM	1000.000	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	1.000
SHT_RM	Ground Level Temperature (Mud-Line When Offshore ) (RM)	DEGC	10.000	10.000
TD_RM	Total Measured Depth (RM)	M	2841.920	2987.000
TWS_RM	Temperature of Connate Water (RM)	DEGC	23.889	23.889
VF_ILLI	Fraction of illite in shales	----	0.500	0.500
VF_KAOL	Fraction of kaolinite in shales	----	0.500	0.500
VF_MONT	Fraction of montmorillonite in shales	----	0.000	0.000
XPDM_RM	Cross plot density porosity multiplier	----	0.675	0.675
XPNM_RM	Cross plot neutron porosity multiplier	----	0.325	0.325
	DVD			
-----	Parameters-----	Parameters-----	-----Sigma	-----Sigma
-----	Parameters-----	Parameters-----	-----Sigma	-----Sigma
A12A	ARC Air Cal Attenuation From T1 at 2 MHz	DB	8.531	8.649
A14A	ARC Air Cal Attenuation From T1 at 400 KHz	DB	8.520	8.670
A22A	ARC Air Cal Attenuation From T2 at 2 MHz	DB	5.907	5.776
A24A	ARC Air Cal Attenuation From T2 at 400 KHz	DB	5.924	5.766
A32A	ARC Air Cal Attenuation From T3 at 2 MHz	DB	5.130	5.248
A34A	ARC Air Cal Attenuation From T3 at 400 KHz	DB	5.109	5.273
A42A	ARC Air Cal Attenuation From T4 at 2 MHz	DB	4.305	4.175
A44A	ARC Air Cal Attenuation From T4 at 400 KHz	DB	4.317	4.159
A52A	ARC Air Cal Attenuation From T5 at 2 MHz	DB	3.684	3.810
A54A	ARC Air Cal Attenuation From T5 at 400 KHz	DB	3.683	3.831
ABNT	Abnormal Transmitter Indicator	----	No_Tx_Failed	No_Tx_Failed
ALPHA_DEN_OPT	Density Enhanced Vertical Resolution Processing Switch	----	NO	NO
AM2A	ARC Air Cal Amplitude Offset at 2 MHz	----	-50000.000	-50000.000
ANISO_COMPUTE	Anisotropy Computation Option	----	YES	YES
ATMP_ARC	ARC Select Temperature Channel	----	Annulus_Temp	Annulus_Temp
AZMF	Formation DIP Azimuth	DEG	0.000	0.000
BH_COMPUTE	Borehole Inversion Computation Option	----	YES	YES
CDPTH_ARC	Process Start Depth	M	30.480	30.480
CHI_RM	Caliper High Limit from BS (RM)	IN	10.000	10.000
CLO_RM	Caliper Low Limit from BS (RM)	IN	-5.000	-5.000
DIELEC_COMPUTE	Dielectric Computation Option	----	NO	NO
DIPF	Formation DIP Angle	DEG	0.000	0.000
DTMUD	Delta-T for Mud (RM)	US/F	204.102	206.800
DTMUD_DH	Delta-T for Mud Downhole (RT)	US/F	206.000	206.800
DVDM DHS	DVDM Down Hole Software Version	----	Karl 2	Karl 2
DVDM_DATA_LTB	DVDM: Create An DVDM LTB Data File	----	NO	NO
DVD_DATA_FIX	DVDM: Create A Corrected DVDM Time Data File	----	NO	NO
DYN_IMAGE_OPT	Generate Dynamic Normalized Image?	----	NO	NO
EDPTH	Wizard Process Stop Depth	----	50000	50000
EN WIZARD	Enable ARC Wizard Processing	----	NO	NO
ERRCT	Percentage Error Cutoff	----	4.500	4.500
EVRL	EVR Process averaging number of samples (RM)	----	49	49
FWVN	Firmware Version Number	----	2.200	2.200
GCSE	Generalized Caliper Selection	----	BS	BS
GRSH	GR Shale (Invasion Computation Cutoff)	GAPI	1000.000	1000.000
GR_CF	Gamma Ray Correction Factor	----	1.800	1.800
GR_O2COR_OPT	Enable Gamma Ray Oxygen Activation Correction	----	YES	YES
HIGH_BLEND	High Resistivity Threshold for Blending	OHMM	2.000	2.000
IDQT	Image Derived Quality Threshold	----	2.000	2.000
IMAGE_MAX_DCRA	Image Density Caliper Right Scale	IN	8.000	8.000
IMAGE_MAX_IDDQ	Image Density Quality Right Scale	----	1.000	1.000
IMAGE_MAX_SPEF	Image PEF(Segment) Right Scale	----	6.000	6.000
IMAGE_MAX_SRHOB	Image RHOB(Segment) Right Scale	G/C3	2.650	2.650
IMAGE_MIN_DCRA	Image Density Caliper Left Scale	IN	2.000	2.000
IMAGE_MIN_IDDQ	Image Density Quality Left Scale	----	0.000	0.000
IMAGE_MIN_SPEF	Image PEF(Segment) Left Scale	----	2.000	2.000
IMAGE_MIN_SRHOB	Image RHOB(Segment) Left Scale	G/C3	2.050	2.050
INCLIN_B0	ARC Bias Constant (mg)	----	0.000	0.000
INCLIN_B1	ARC Bias First-order Coefficient (mg/degC)	----	0.000	0.000
INCLIN_B2	ARC Bias Secod-order Coeeficient (mg/degC)	----	0.000	0.000
INCLIN_B3	ARC Bias Third-order Coeeficient (mg/degC)	----	0.000	0.000
INCLIN_C0	ARC Current Scale Factor Constant (mA/g)	----	1.000	1.000
INCLIN_C1	ARC Scale First-order Coeeficient (mA/g/degC)	----	0.000	0.000
INCLIN_C2	ARC Scale Second-order Coeeficient (mA/g/degC)	----	0.000	0.000



(RPM)

0

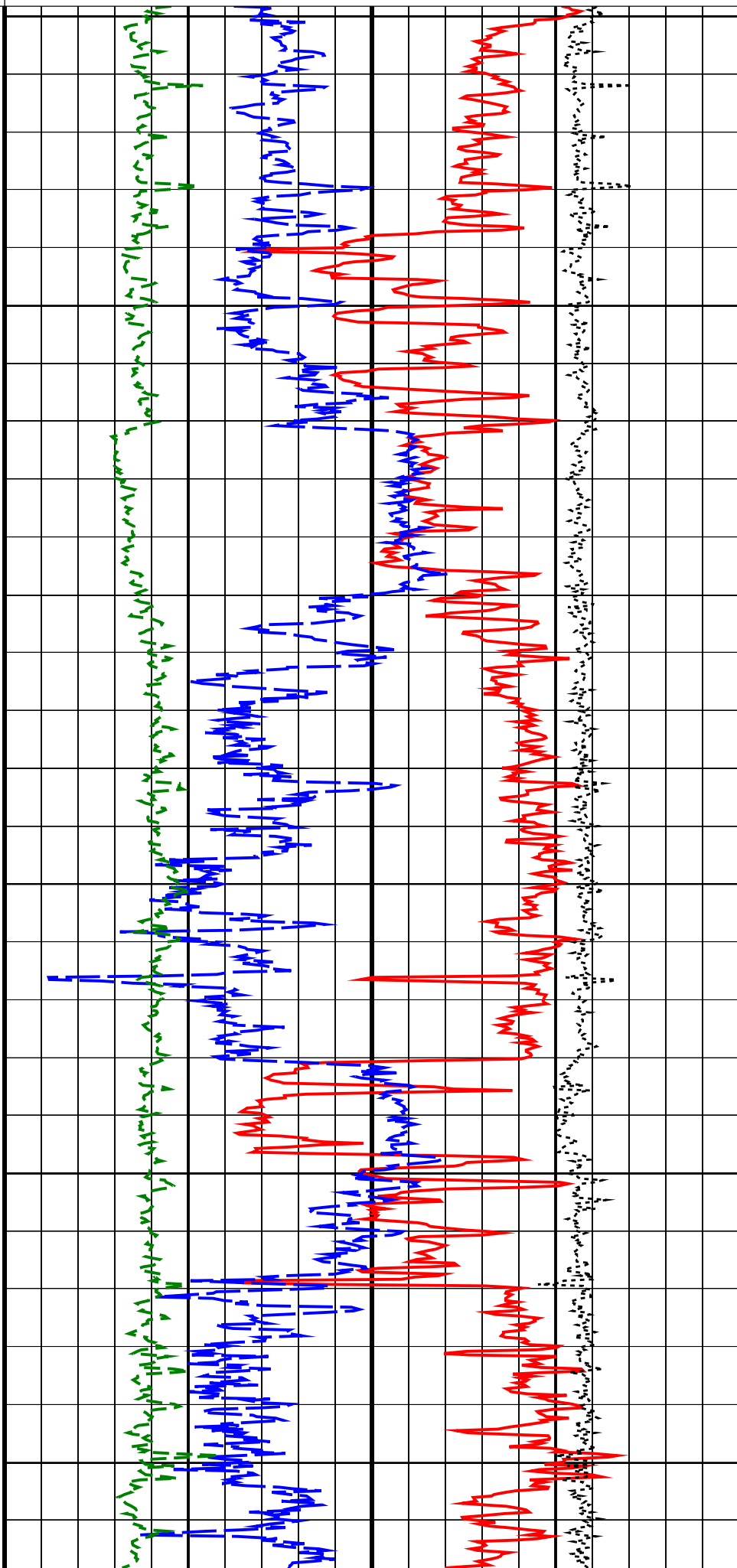
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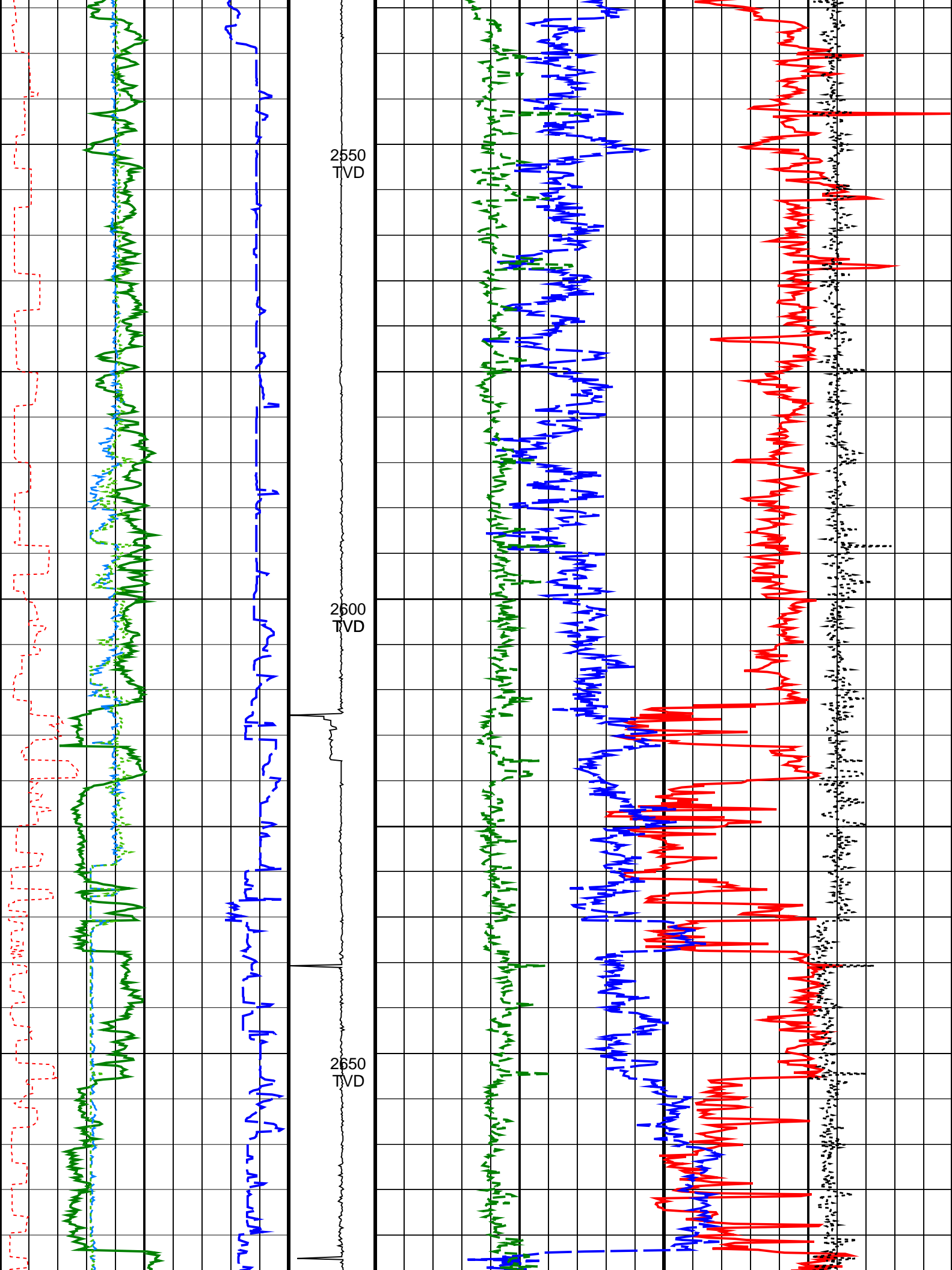


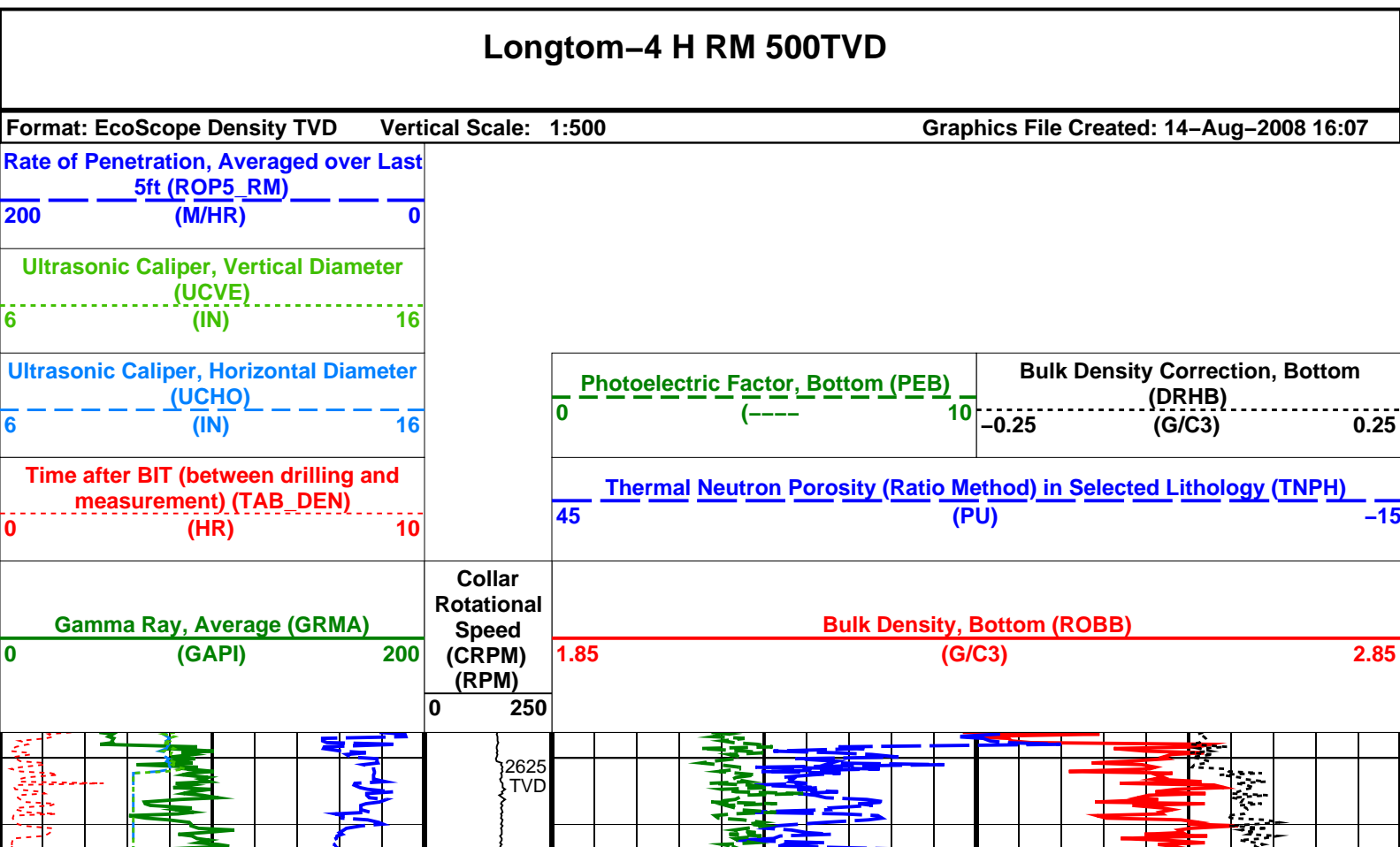
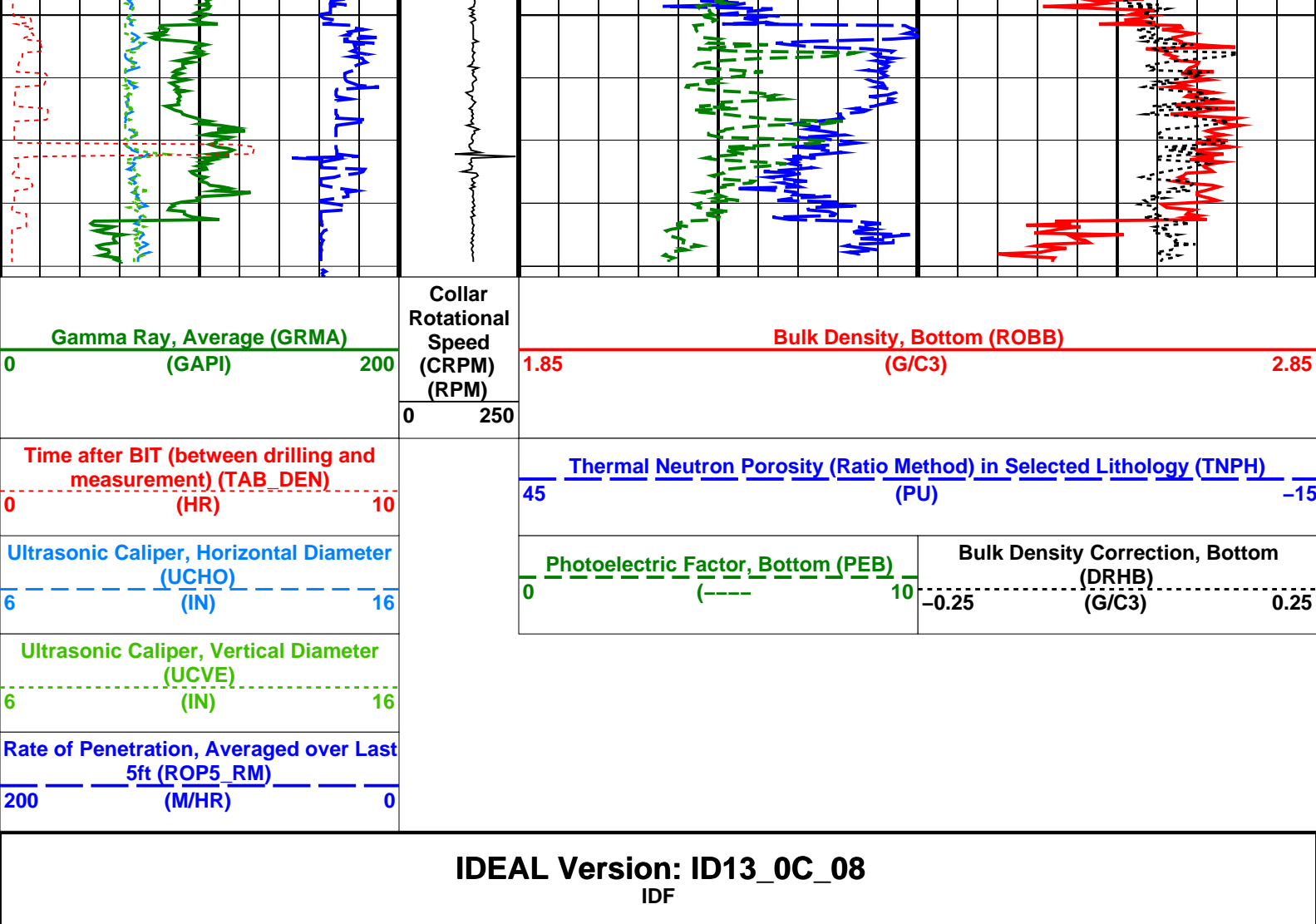
2400  
TVD

2450  
TVD

2500  
TVD









<div>Gamma Ray, Average (GRMA)</div> <div>0 (GAPI) 200</div>	<div>Collar Rotational Speed (CRPM) (RPM)</div> <div>0 250</div>	<div>Bulk Density, Bottom (ROBB)</div> <div>1.85 (G/C3) 2.85</div>
<div>Time after BIT (between drilling and measurement) (TAB_DEN) (HR)</div> <div>0 10</div>		<div>Thermal Neutron Porosity (Ratio Method) in Selected Lithology (TNPH) (PU)</div> <div>45 -15</div>
<div>Ultrasonic Caliper, Horizontal Diameter (UCHO) (IN)</div> <div>6 16</div>		<div>Photoelectric Factor, Bottom (PEB) (-----) 0 10</div> <div>Bulk Density Correction, Bottom (DRHB) (G/C3)</div> <div>-0.25 0.25</div>
<div>Ultrasonic Caliper, Vertical Diameter (UCVE) (IN)</div> <div>6 16</div>		
<div>Rate of Penetration, Averaged over Last 5ft (ROP5_RM) (M/HR)</div> <div>200 0</div>		

IDEAL Version: ID13\_0C\_08

IDF

EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch / Equipment Identification

Primary Equipment:  
Tool Name and Serial Number  
Calibration Status  
Neutron Logging Source  
Density Logging Source  
Stabilizer Size

ECO – 675  
Valid  
PNG – C  
GSR – J/Z  
9.125 – in.

957  
2149–4153  
A2585

Master: 29-Jul-2008 23:39

EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration

SSn LSn : Water Tank

Phase	SSn Gain ----	Value	Phase	SSn Offset ----	Value
Master	<div><div></div></div>	1.113	Master	<div><div></div></div>	0
	0.6000 (Minimum) 1.000 (Nominal) 1.400 (Maximum)			-3.000 (Minimum) 0 (Nominal) 3.000 (Maximum)	

Phase	LSn Gain ----	Value	Phase	LSn Offset ----	Value
Master	<div><div></div></div>	1.000	Master	<div><div></div></div>	0
	0.6000 (Minimum) 1.000 (Nominal) 1.400 (Maximum)			-3.000 (Minimum) 0 (Nominal) 3.000 (Maximum)	

Master: 29-Jul-2008 23:39

EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration




Neutron: Water Tank




Phase	Far 2 Gain ----	Value	Phase	Far 2 Offset ----	Value
Master	<div><div></div></div>	0.9685	Master	<div><div></div></div>	2.055
	0.7000 (Minimum) 1.000 (Nominal) 1.300 (Maximum)			-3.000 (Minimum) 0 (Nominal) 3.000 (Maximum)	




Phase	Far 1 Gain ----	Value	Phase	Far 1 Offset ----	Value
Master	<div><div></div></div>	1.012	Master	<div><div></div></div>	1.318
	0.7000 (Minimum) 1.000 (Nominal) 1.300 (Maximum)			-3.000 (Minimum) 0 (Nominal) 3.000 (Maximum)	

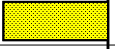
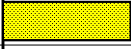
Phase	Thermal Near gain ----	Value	Phase	Thermal Near offset ----	Value
Master	<div><div></div></div>	1.040	Master	<div><div></div></div>	98.49
	0.7000 (Minimum) 1.000 (Nominal) 1.300 (Maximum)			-500.0 (Minimum) 0 (Nominal) 500.0 (Maximum)	











Phase	Epithermal Near gain ----	Value	Phase	Epithermal Near offset ----	Value
Master	<div><div></div></div>	1.062	Master	<div><div></div></div>	100.3







0.7000 (Minimum)			1.000 (Nominal)			1.300 (Maximum)			-300.0 (Minimum)			0 (Nominal)			300.0 (Maximum)		
Master: 30-Jul-2008 2:33																	
EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration																	
Gamma Density: Magnesium Block																	
Phase	LS window 3 – Mg CPS				Value	Phase	SS window 1 – Mg CPS				Value	Phase	SS window 3 – Mg CPS				Value
Master					2473	Master					5868	Master					12980
	1000 (Minimum)	2000 (Nominal)	3000 (Maximum)				2500 (Minimum)	5250 (Nominal)	8000 (Maximum)				6000 (Minimum)	12000 (Nominal)	18000 (Maximum)		





Master: 30-Jul-2008 2:33																	
EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration																	
Gamma Density: Aluminum Block																	
Phase	LS window 3 – Al CPS				Value	Phase	SS window 1 – Al CPS				Value	Phase	SS window 3 – Al CPS				Value
Master					445.1	Master					3038	Master					9411
	200.0 (Minimum)	400.0 (Nominal)	600.0 (Maximum)				1500 (Minimum)	3000 (Nominal)	4500 (Maximum)				4000 (Minimum)	8500 (Nominal)	13000 (Maximum)		

Master: 30-Jul-2008 2:33																	
EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration																	
Gamma Density: Background																	
Phase	LS window 3 – Background CPS				Value	Phase	SS window 1 – Background CPS				Value	Phase	SS window 3 – Background CPS				Value
Master					67.38	Master					80.21	Master					382.8
	50.00 (Minimum)	70.00 (Nominal)	90.00 (Maximum)				50.00 (Minimum)	75.00 (Nominal)	100.0 (Maximum)				270.0 (Minimum)	370.0 (Nominal)	470.0 (Maximum)		

Master: 30-Jul-2008 2:33																	
EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration																	
Gamma Density: Water Block Check																	
Phase	Long spacing water density G/C3				Value	Phase	Short spacing water density G/C3				Value						
Master					1.038	Master					1.285						
	0.9000 (Minimum)	1.150 (Nominal)	1.400 (Maximum)				0.9000 (Minimum)	1.150 (Nominal)	1.400 (Maximum)								

Master: 29-Jul-2008 19:14																	
EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration																	
Resistivity: Air																	
Phase	Phase-Shift T1				Value	Phase	Phase-Shift T2				Value	Phase	Phase-Shift T3				Value
Master					-0.7470	Master					0.6630	Master					-0.7830
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)				-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)				-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)		
Phase	Phase-Shift T4				Value	Phase	Phase-Shift T5				Value	Phase	Phase-Shift T1 at 400KHz				Value
Master					0.6920	Master					-0.7550	Master					1.521
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)				-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)				-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)		
Phase	Phase-Shift T2 at 400KHz				Value	Phase	Phase-Shift T3 at 400KHz				Value	Phase	Phase-Shift T4 at 400KHz				Value
Master					-1.522	Master					1.515	Master					-1.514
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)				-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)				-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)		
Phase	Phase-Shift T5 at 400KHz				Value												
Master					1.607												
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)														

Master: 29-Jul-2008 19:14																	
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					8.136	Master					6.271	Master					4.743
	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					4.675	Master					3.302	Master					8.152
	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			6.273	Master			4.751	Master			4.675
	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			3.323								
	2.000 (Minimum)	4.000 (Nominal)	6.000 (Maximum)								

### EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch / Equipment Identification

Primary Equipment:

Tool Name and Serial Number

Calibration Status

Neutron Logging Source

Density Logging Source

Stabilizer Size

ECO – 675

799

Valid

PNG – C

2242–4122

GSR – J/Z





A2474

9.125 – in.

Master: 4–Aug–2008 2:21

### EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration









#### SSn LSn : Water Tank

Phase	SSn Gain ----		Value	Phase	SSn Offset ----		Value
Master			1.094	Master			0
	0.6000 (Minimum)	1.000 (Nominal)	1.400 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
Phase	LSn Gain ----		Value	Phase	LSn Offset ----		Value
Master			1.073	Master			0
	0.6000 (Minimum)	1.000 (Nominal)	1.400 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)

Master: 4–Aug–2008 2:21

### EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration




#### Neutron: Water Tank

Phase	Far 2 Gain ----		Value	Phase	Far 2 Offset ----		Value
Master			0.9877	Master			2.073
	0.7000 (Minimum)	1.000 (Nominal)	1.300 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
Phase	Far 1 Gain ----		Value	Phase	Far 1 Offset ----		Value
Master			0.9962	Master			2.225
	0.7000 (Minimum)	1.000 (Nominal)	1.300 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
Phase	Thermal Near gain ----		Value	Phase	Thermal Near offset ----		Value
Master			1.031	Master			204.4
	0.7000 (Minimum)	1.000 (Nominal)	1.300 (Maximum)		-500.0 (Minimum)	0 (Nominal)	500.0 (Maximum)
Phase	Epithermal Near gain ----		Value	Phase	Epithermal Near offset ----		Value
Master			1.062	Master			134.3
	0.7000 (Minimum)	1.000 (Nominal)	1.300 (Maximum)		-300.0 (Minimum)	0 (Nominal)	300.0 (Maximum)

Master: 4–Aug–2008 3:57

### EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration




#### Gamma Density: Magnesium Block

Phase	LS window 3 – Mg CPS		Value	Phase	SS window 1 – Mg CPS		Value	Phase	SS window 3 – Mg CPS		Value
Master			2322	Master			5729	Master			12870
	1000 (Minimum)	2000 (Nominal)	3000 (Maximum)		2500 (Minimum)	5250 (Nominal)	8000 (Maximum)		6000 (Minimum)	12000 (Nominal)	18000 (Maximum)

Master: 4–Aug–2008 3:57

### EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration

#### Gamma Density: Aluminum Block

Phase	LS window 3 – Al CPS		Value	Phase	SS window 1 – Al CPS		Value	Phase	SS window 3 – Al CPS		Value
Master			432.2	Master			3037	Master			9556

200.0 (Minimum)	400.0 (Nominal)	600.0 (Maximum)	1500 (Minimum)	3000 (Nominal)	4500 (Maximum)	4000 (Minimum)	8500 (Nominal)	13000 (Maximum)
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Master: 4–Aug–2008 3:57														
EcoScope Integrated Logging–While–Drilling Tool – 6.75 inch Calibration														
Gamma Density: Background														
Phase	LS window 3 – Background		CPS	Value	Phase	SS window 1 – Background		CPS	Value	Phase	SS window 3 – Background		CPS	Value
Master				61.92	Master				83.35	Master				398.4
	50.00 (Minimum)	70.00 (Nominal)	90.00 (Maximum)		50.00 (Minimum)	75.00 (Nominal)	100.0 (Maximum)			270.0 (Minimum)	370.0 (Nominal)	470.0 (Maximum)		

Master: 4-Aug-2008 3:57									
EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration									
Gamma Density: Water Block Check									
Phase	Long spacing water density G/C3			Value	Phase	Short spacing water density G/C3			Value
Master				1.029	Master				1.286
	0.9000 (Minimum)	1.150 (Nominal)	1.400 (Maximum)			0.9000 (Minimum)	1.150 (Nominal)	1.400 (Maximum)	

Master: 3-Aug-2008 13:35														
EcoScope Integrated Logging-While-Drilling Tool – 6.75 inch Calibration														
Resistivity: Air														
Phase	Phase-Shift T1			Value	Phase	Phase-Shift T2			Value	Phase	Phase-Shift T3			Value
Master				0.7927	Master				-0.8818	Master				0.7569
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)			-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)			-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)	
Phase	Phase-Shift T4			Value	Phase	Phase-Shift T5			Value	Phase	Phase-Shift T1 at 400KHz			Value
Master				-0.8984	Master				0.7688	Master				0.9056
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)			-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)			-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)	
Phase	Phase-Shift T2 at 400KHz			Value	Phase	Phase-Shift T3 at 400KHz			Value	Phase	Phase-Shift T4 at 400KHz			Value
Master				-0.9300	Master				0.9110	Master				-0.9467
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)			-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)			-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)	
Phase	Phase-Shift T5 at 400KHz			Value										
Master				0.9285										
	-4.000 (Minimum)	0 (Nominal)	4.000 (Maximum)											

Master: 3-Aug-2008 13:35														
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				8.376	Master				6.057	Master				4.976
	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				4.460	Master				3.534	Master				8.316
	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				6.129	Master				4.914	Master				4.521
	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				3.473										
	2.000 (Minimum)	4.000 (Nominal)	6.000 (Maximum)											

SCHLUMBERGER

Survey report

10-Aug-2008 05:11:28

Client.....: Nexus Energy Ltd

Field.....: Longtom

Well.....: Longtom-4 H  
API number.....: 08ASQ0007  
Engineer.....: MVK/ML/STDA

Australia.....: West Triton  
STATE.....: Victoria

Spud date.....: 21-June-08  
Last survey date.....: 10-Aug-08  
Total accepted surveys...: 147  
MD of first survey.....: 0.00 m  
MD of last survey.....: 4648.00 m

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

----- Depth reference -----  
Permanent datum.....: Least Astronomical Tide  
Depth reference.....: Driller's Depth  
GL above permanent.....: -55.96 m  
KB above permanent.....: Top Drive  
DF above permanent.....: 41.06 m

----- Vertical section origin-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m

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

Azimuth from Vsect Origin to target: 183.55 degrees

----- Geomagnetic data -----  
Magnetic model.....: BGGM version 2007  
Magnetic date.....: 29-Jun-2008  
Magnetic field strength...: 1195.93 HCNT  
Magnetic dec (+E/W-).....: 13.10 degrees  
Magnetic dip.....: -68.59 degrees

----- MWD survey Reference Criteria -----  
Reference G.....: 1000.02 mGal  
Reference H.....: 1195.93 HCNT  
Reference Dip.....: -68.59 degrees  
Tolerance of G.....: (+/-) 2.50 mGal  
Tolerance of H.....: (+/-) 6.00 HCNT  
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----  
Magnetic dec (+E/W-).....: 13.10 degrees  
Grid convergence (+E/W-)..: -0.82 degrees  
Total az corr (+E/W-).....: 13.92 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

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SCHLUMBERGER Survey Report

10-Aug-2008 05:11:28

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	0.00	0.00	0.00	0.00	0.00	0.00	TIP	None
2	97.03	0.00	0.00	97.03	97.03	0.00	0.00	0.00	0.00	0.00	0.00	MWD	None
3	116.15	0.69	328.34	19.12	116.15	-0.09	0.10	-0.06	0.12	328.34	1.10	MWD	None
4	124.06	0.56	358.29	7.91	124.06	-0.17	0.18	-0.09	0.20	333.96	1.34	MWD	None
5	147.44	0.36	43.93	23.38	147.44	-0.34	0.34	-0.04	0.35	353.53	0.52	MWD	None
6	204.75	0.52	335.69	57.31	204.75	-0.71	0.71	-0.02	0.71	358.29	0.27	MWD	None
7	324.05	0.78	189.14	119.30	324.04	-0.38	0.40	-0.37	0.55	317.18	0.32	MWD	None
8	382.91	0.23	326.57	58.86	382.90	-0.07	0.11	-0.50	0.51	281.89	0.50	MWD	None
9	412.77	0.34	250.06	29.86	412.76	-0.09	0.13	-0.62	0.63	281.47	0.37	MWD	None
10	442.90	0.19	118.87	30.13	442.89	-0.03	0.07	-0.66	0.66	276.14	0.49	MWD	None
11	531.83	0.85	328.15	88.93	531.82	-0.50	0.56	-0.88	1.04	302.55	0.35	MWD	None
12	563.30	0.97	289.41	31.47	563.29	-0.77	0.85	-1.25	1.51	304.08	0.59	MWD	None
13	651.66	0.44	355.43	88.36	651.64	-1.31	1.43	-1.98	2.45	305.85	0.31	MWD	None
14	741.14	0.59	334.49	89.48	741.12	-2.05	2.19	-2.21	3.11	314.76	0.08	MWD	None
15	750.39	0.71	327.45	9.25	750.37	-2.14	2.28	-2.26	3.21	315.27	0.47	MWD	None
16	783.28	0.52	304.12	32.89	783.25	-2.38	2.54	-2.49	3.56	315.50	0.29	PUP	None
17	812.94	2.32	203.29	29.66	812.91	-1.88	2.03	-2.84	3.51	305.96	2.54	PUP	None
18	842.62	5.16	197.90	29.68	842.52	-0.02	0.24	-3.49	3.50	273.94	2.94	PUP	None
19	872.25	7.16	192.11	29.63	871.98	3.09	-2.83	-4.29	5.14	236.55	2.15	PUP	None
20	901.94	8.22	183.91	29.69	901.40	7.05	-6.76	-4.82	8.30	215.50	1.56	PUP	None
21	931.42	10.19	179.91	29.48	930.50	11.76	-11.47	-4.96	12.50	203.39	2.14	PUP	None
22	960.94	13.95	179.75	29.52	959.36	17.91	-17.64	-4.94	18.32	195.65	3.88	PUP	None
23	990.68	17.52	178.95	29.74	987.98	25.96	-25.71	-4.84	26.16	190.67	3.67	PUP	None
24	1020.40	20.88	177.48	29.72	1016.05	35.68	-35.47	-4.53	35.76	187.28	3.48	PUP	None
25	1050.08	24.28	176.64	29.68	1043.45	47.01	-46.85	-3.94	47.02	184.80	3.51	PUP	None
26	1078.64	25.70	178.42	28.56	1069.33	59.00	-58.90	-3.42	59.00	183.33	1.71	PUP	None
27	1108.28	26.85	180.79	29.64	1095.91	72.09	-72.02	-3.34	72.10	182.65	1.60	PUP	None
28	1137.39	27.64	182.43	29.11	1121.79	85.41	-85.34	-3.72	85.42	182.49	1.14	PUP	None
29	1166.97	28.48	183.83	29.58	1147.89	99.32	-99.23	-4.48	99.34	182.58	1.10	PUP	None
30	1196.40	29.46	184.58	29.43	1173.64	113.57	-113.45	-5.52	113.58	182.79	1.08	PUP	None

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SCHLUMBERGER Survey Report

10-Aug-2008 05:11:28

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)
31	1225.95	30.16	185.46	29.55	1199.28	128.26	-128.08	-6.81	128.26	183.04	0.85	PUP	None
32	1255.99	29.83	185.82	30.04	1225.30	143.27	-143.03	-8.29	143.27	183.32	0.38	PUP	None
33	1285.37	30.03	186.70	29.38	1250.76	157.91	-157.60	-9.88	157.91	183.59	0.50	PUP	None
34	1315.16	31.09	187.90	29.79	1276.41	173.02	-172.62	-11.81	173.03	183.91	1.25	PUP	None
35	1344.99	31.21	187.53	29.83	1301.94	188.41	-187.91	-13.88	188.42	184.23	0.23	PUP	None
36	1374.68	30.42	184.92	29.69	1327.44	203.60	-203.03	-15.54	203.62	184.38	1.59	PUP	None
37	1404.59	30.04	183.00	29.91	1353.28	218.66	-218.05	-16.58	218.68	184.35	1.06	PUP	None
38	1433.94	31.67	182.29	29.35	1378.48	233.71	-233.09	-17.27	233.72	184.24	1.73	PUP	None
39	1463.79	30.65	181.20	29.85	1404.02	249.14	-248.52	-17.74	249.16	184.08	1.19	PUP	None
40	1493.62	30.34	180.72	29.83	1429.76	264.20	-263.59	-18.00	264.20	183.91	0.67	PUP	None
41	1523.35	30.08	180.58	29.73	1455.50	279.07	-278.48	-18.16	279.07	183.73	0.08	PUP	None
42	1553.11	30.38	181.81	29.76	1481.21	294.04	-293.46	-18.48	294.04	183.60	0.70	PUP	None
43	1583.05	30.31	183.44	29.94	1507.05	309.16	-308.57	-19.17	309.16	183.55	0.84	PUP	None
44	1612.84	30.34	184.08	29.79	1532.76	324.21	-323.58	-20.16	324.21	183.56	0.33	PUP	None

45	1642.12	30.48	183.53	29.28	1558.01	339.03	-338.37	-21.14	339.03	183.57	0.32	PUP	None
46	1671.81	30.16	182.75	29.69	1583.64	354.01	-353.33	-21.96	354.01	183.56	0.52	PUP	None
47	1701.38	29.96	181.97	29.57	1609.24	368.82	-368.13	-22.57	368.82	183.51	0.45	PUP	None
48	1730.84	30.49	182.20	29.46	1634.69	383.65	-382.95	-23.11	383.65	183.45	0.56	PUP	None
49	1760.64	30.44	183.16	29.80	1660.38	398.75	-398.04	-23.82	398.76	183.42	0.50	PUP	None
50	1790.34	29.76	183.49	29.70	1686.07	413.65	-412.91	-24.68	413.65	183.42	0.72	PUP	None
51	1820.04	29.12	183.26	29.70	1711.94	428.25	-427.49	-25.54	428.25	183.42	0.67	PUP	None
52	1849.86	28.05	182.80	29.82	1738.12	442.51	-441.73	-26.30	442.51	183.41	1.12	PUP	None
53	1879.39	28.44	182.54	29.53	1764.14	456.49	-455.69	-26.95	456.49	183.38	0.42	PUP	None
54	1909.08	29.18	181.91	29.69	1790.15	470.79	-469.99	-27.50	470.79	183.35	0.82	PUP	None
55	1938.97	29.25	182.37	29.89	1816.24	485.37	-484.57	-28.05	485.38	183.31	0.24	PUP	None
56	1968.51	27.81	181.63	29.54	1842.19	499.48	-498.67	-28.54	499.48	183.28	1.53	PUP	None
57	1998.05	27.26	181.66	29.54	1868.38	513.13	-512.32	-28.93	513.13	183.23	0.57	PUP	None
58	2028.03	26.98	181.70	29.98	1895.07	526.79	-525.98	-29.33	526.80	183.19	0.29	PUP	None
59	2057.68	29.01	184.81	29.65	1921.25	540.70	-539.87	-30.14	540.71	183.19	2.57	PUP	None
60	2087.27	29.58	188.03	29.59	1947.06	555.15	-554.25	-31.76	555.16	183.28	1.73	PUP	None

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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)
61	2116.78	29.55	188.02	29.51	1972.72	569.67	-568.67	-33.79	569.67	183.40	0.03	PUP	None
62	2146.82	30.97	187.12	30.04	1998.67	584.77	-583.67	-35.78	584.77	183.51	1.51	PUP	None
63	2176.36	31.76	185.57	29.54	2023.89	600.13	-598.95	-37.48	600.13	183.58	1.17	PUP	None
64	2206.21	31.48	183.82	29.85	2049.31	615.77	-614.55	-38.76	615.77	183.61	0.98	PUP	None
65	2235.88	31.35	183.41	29.67	2074.63	631.24	-629.98	-39.74	631.24	183.61	0.26	PUP	None
66	2265.38	32.11	184.62	29.50	2099.72	646.75	-645.46	-40.82	646.75	183.62	1.02	PUP	None
67	2295.13	31.69	185.04	29.75	2124.98	662.47	-661.12	-42.15	662.47	183.65	0.49	PUP	None
68	2325.11	33.21	184.84	29.98	2150.28	678.55	-677.15	-43.53	678.55	183.68	1.55	PUP	None
69	2355.31	35.92	185.28	30.20	2175.15	695.67	-694.22	-45.04	695.68	183.71	2.75	PUP	None
70	2385.09	36.82	184.07	29.78	2199.13	713.33	-711.82	-46.48	713.33	183.74	1.18	PUP	None
71	2413.59	37.70	183.21	28.50	2221.81	730.58	-729.03	-47.58	730.59	183.73	1.09	PUP	None
72	2472.44	42.55	182.99	58.85	2266.79	768.50	-766.89	-49.62	768.50	183.70	2.51	PUP	None
73	2502.19	45.34	182.77	29.75	2288.21	789.14	-787.51	-50.66	789.14	183.68	2.86	PUP	None
74	2531.76	48.61	183.24	29.57	2308.39	810.75	-809.10	-51.79	810.75	183.66	3.39	PUP	None
75	2561.19	50.89	182.57	29.43	2327.40	833.21	-831.53	-52.93	833.21	183.64	2.42	PUP	None
76	2578.22	52.52	183.03	17.03	2337.95	846.57	-844.88	-53.58	846.57	183.63	2.99	PUP	None
77	2621.57	53.72	182.84	43.35	2363.97	881.25	-879.51	-55.36	881.25	183.60	0.85	PUP	None
78	2651.30	53.37	183.55	29.73	2381.63	905.16	-903.38	-56.69	905.16	183.59	0.69	PUP	None
79	2681.00	52.50	184.22	29.70	2399.54	928.86	-927.03	-58.30	928.86	183.60	1.05	PUP	None
80	2704.04	51.56	184.69	23.04	2413.71	947.02	-945.13	-59.71	947.02	183.61	1.34	PUP	None
81	2733.77	49.85	181.87	29.73	2432.54	970.02	-968.10	-61.03	970.02	183.61	2.84	PUP	None
82	2763.58	51.38	177.62	29.81	2451.46	993.00	-991.13	-60.92	993.00	183.52	3.70	PUP	None
83	2792.31	53.01	176.31	28.73	2469.07	1015.55	-1013.79	-59.71	1015.55	183.37	2.05	PUP	None
84	2820.01	54.07	176.82	27.70	2485.53	1037.66	-1036.03	-58.38	1037.68	183.23	1.25	PUP	None
85	2850.81	54.91	179.97	30.80	2503.42	1062.62	-1061.09	-57.68	1062.65	183.11	2.67	PUP	None
86	2881.69	57.25	185.74	30.88	2520.67	1088.23	-1086.66	-58.97	1088.26	183.11	5.26	PUP	None
87	2911.49	62.80	188.17	29.80	2535.55	1113.98	-1112.27	-62.11	1114.00	183.20	6.07	PUP	None
88	2941.41	65.11	188.76	29.92	2548.69	1140.76	-1138.86	-66.07	1140.77	183.32	2.41	PUP	None
89	2957.37	66.49	189.09	15.96	2555.23	1155.26	-1153.24	-68.33	1155.26	183.39	2.70	Xceed	None
90	2987.28	68.43	190.05	29.91	2566.69	1182.73	-1180.48	-72.92	1182.73	183.53	2.17	Xceed	None

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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)
91	3016.23	69.92	189.15	28.95	2576.99	1209.63	-1207.16	-77.44	1209.64	183.67	1.80	Xceed	None
92	3046.70	71.87	185.88	30.47	2586.96	1238.35	-1235.69	-81.20	1238.36	183.76	3.65	Xceed	None
93	3076.34	72.83	185.30	29.64	2595.95	1266.58	-1263.80	-83.95	1266.59	183.80	1.14	Xceed	None
94	3106.22	72.92	185.49	29.88	2604.75	1295.12	-1292.23	-86.63	1295.13	183.84	0.21	Xceed	None
95	3136.04	75.98	186.22	29.82	2612.74	1323.82	-1320.81	-89.56	1323.84	183.88	3.21	Xceed	None
96	3164.24	80.13	185.24	28.20	2618.57	1351.38	-1348.25	-92.31	1351.41	183.92	4.60	Xceed	None
97	3194.93	79.46	185.98	30.69	2624.01	1381.57	-1378.31	-95.27	1381.60	183.95	0.98	Xceed	None
98	3224.35	81.52	184.32	29.42	2628.87	1410.57	-1407.21	-97.87	1410.61	183.98	2.73	Xceed	None
99	3254.13	84.39	184.05	29.78	2632.52	1440.12	-1436.68	-100.03	1440.16	183.98	2.95	Xceed	None
100	3283.78	87.22	180.52	29.65	2634.69	1469.67	-1466.22	-101.20	1469.71	183.95	4.64	Xceed	None
101	3313.51	90.41	179.55	29.73	2635.31	1499.34	-1495.94	-101.22	1499.36	183.87	3.42	Xceed	None
102	3343.47	93.13	182.41	29.96	2634.38	1529.25	-1525.88	-101.73	1529.26	183.81	4.01	Xceed	None
103	3373.36	94.02	181.60	29.89	2632.52	1559.07	-1555.69	-102.78	1559.08	183.78	1.23	Xceed	None
104	3402.75	93.92	178.26	29.39	2630.48	1588.32	-1585.00	-102.74	1588.33	183.71	3.46	Xceed	None
105	3431.88	91.13	178.07	29.13	2629.20	1617.30	-1614.09	-101.81	1617.30	183.61	2.93	Xceed	None
106	3461.34	91.68	178.76	29.46	2628.48	1646.63	-1643.53	-100.99	1646.63	183.52	0.91	Xceed	None
107	3492.03	91.51	180.60	30.69	2627.62	1677.23	-1674.20	-100.82	1677.24	183.45	1.83	Xceed	None
108	3521.63	91.27	178.88	29.60	2626.91	1706.76	-1703.79	-100.69	1706.77	183.38	1.79	Xceed	None
109	3551.39	91.44	180.83	29.76	2626.20	1736.45	-1733.54	-100.61	1736.46	183.32	2.00	Xceed	None
110	3564.74	91.37	180.85	13.35	2625.88	1749.78	-1746.89	-100.81	1749.80	183.30	0.17	PUP	None
111	3594.59	91.46	180.97	29.85	2625.14	1779.59	-1776.73	-101.28	1779.61	183.26	0.15	PUP	None
112	3624.29	91.46	182.60	29.70	2624.38	1809.26	-1806.40	-102.21	1809.29	183.24	1.67	PUP	None
113	3653.86	91.66	184.27	29.57	2623.58	1838.82	-1835.91	-103.98	1838.85	183.24	1.73	PUP	None
114	3684.08	90.29	183.77	30.22	2623.06	1869.04	-1866.05	-106.10	1869.06	183.25	1.47	PUP	None
115	3711.90	89.74	185.04	27.82	2623.05	1896.85	-1893.78	-108.23	1896.87	183.27	1.52	PUP	None
116	3740.99	88.54	184.85	29.09	2623.49	1925.93	-1922.76	-110.74	1925.95	183.30	1.27	PUP	None
117	3770.39	85.50	184.63	29.40	2625.02	1955.28	-1952.02	-113.17	1955.30	183.32	3.16	PUP	None

118	3799.79	83.81	184.62	29.40	2627.76	1984.55	-1981.19	-115.53	1984.56	183.34	1.75	PUP	None
119	3829.12	82.94	183.90	29.33	2631.14	2013.68	-2010.25	-117.69	2013.69	183.35	1.17	PUP	None
120	3859.22	84.01	183.23	30.10	2634.56	2043.58	-2040.09	-119.55	2043.59	183.35	1.28	PUP	None

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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)
121	3888.65	86.13	183.06	29.43	2637.09	2072.90	-2069.37	-121.16	2072.91	183.35	2.20	PUP	None
122	3918.67	88.74	185.50	30.02	2638.44	2102.88	-2099.27	-123.40	2102.89	183.36	3.63	PUP	None
123	3948.20	89.63	186.27	29.53	2638.86	2132.38	-2128.64	-126.43	2132.39	183.40	1.21	PUP	None
124	3977.71	86.96	185.58	29.51	2639.73	2161.85	-2157.98	-129.47	2161.86	183.43	2.85	PUP	None
125	4006.54	83.81	184.14	28.83	2642.05	2190.58	-2186.61	-131.90	2190.58	183.45	3.66	PUP	None
126	4035.61	82.10	183.23	29.07	2645.62	2219.43	-2215.40	-133.76	2219.43	183.46	2.03	PUP	None
127	4065.35	82.21	183.76	29.74	2649.68	2248.89	-2244.80	-135.56	2248.89	183.46	0.55	PUP	None
128	4094.84	79.90	183.49	29.49	2654.26	2278.02	-2273.87	-137.40	2278.02	183.46	2.40	PUP	None
129	4124.38	77.56	183.62	29.54	2660.04	2306.99	-2302.79	-139.19	2306.99	183.46	2.42	PUP	None
130	4153.91	78.91	185.00	29.53	2666.06	2335.89	-2331.61	-141.37	2335.89	183.47	1.97	PUP	None
131	4183.07	81.41	187.28	29.16	2671.04	2364.59	-2360.17	-144.44	2364.59	183.50	3.51	PUP	None
132	4212.97	85.21	190.62	29.90	2674.52	2394.14	-2389.50	-149.06	2394.14	183.57	5.14	PUP	None
133	4242.27	89.94	193.94	29.30	2675.76	2423.07	-2418.09	-155.29	2423.07	183.67	6.01	PUP	None
134	4270.99	92.69	195.73	28.72	2675.10	2451.22	-2445.84	-162.64	2451.24	183.80	3.48	PUP	None
135	4301.34	92.03	195.79	30.35	2673.86	2480.86	-2475.03	-170.87	2480.92	183.95	0.67	PUP	None
136	4331.01	92.98	195.62	29.67	2672.56	2509.83	-2503.56	-178.90	2509.94	184.09	0.99	PUP	None
137	4360.69	90.97	195.41	29.68	2671.54	2538.85	-2532.14	-186.83	2539.02	184.22	2.08	PUP	None
138	4390.61	87.74	193.25	29.92	2671.87	2568.23	-2561.12	-194.24	2568.48	184.34	3.96	PUP	None
139	4419.25	84.58	189.93	28.64	2673.79	2596.52	-2589.11	-199.98	2596.82	184.42	4.87	PUP	None
140	4448.12	85.64	190.34	28.87	2676.25	2625.10	-2617.42	-205.04	2625.44	184.48	1.20	PUP	None
141	4478.07	84.87	191.52	29.95	2678.73	2654.70	-2646.73	-210.70	2655.10	184.55	1.43	PUP	None
142	4507.60	84.61	193.02	29.53	2681.44	2683.76	-2675.46	-216.95	2684.24	184.64	1.56	PUP	None
143	4538.99	84.55	192.67	31.39	2684.40	2714.60	-2705.93	-223.89	2715.18	184.73	0.34	PUP	None
144	4568.77	84.96	189.40	29.78	2687.12	2744.00	-2735.03	-229.57	2744.65	184.80	3.36	PUP	None
145	4598.48	84.84	186.02	29.71	2689.77	2773.51	-2764.35	-233.54	2774.20	184.83	3.46	PUP	None
146	4627.92	82.10	185.79	29.44	2693.11	2802.73	-2793.44	-236.55	2803.44	184.84	2.85	PUP	None
147	4648.00	82.10	185.79	20.08	2695.87	2822.60	-2813.23	-238.55	2823.33	184.85	0.00	Projection to TD	

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Company:

Nexus Energy Ltd

Well:

Longtom-4 H

Field:

Longtom

Rig:

West Triton

State:

Victoria

Schlumberger

9.5 in Section

EcoScope\* Density Neutron

1:500 True Vertical Depth

Recorded Mode Log

