gyrodata

Log Variables

Log Variable	Description	Units
AZIM	Azimuth	deg
INCL	Inclination	deg
DEPTH	Depth	ft
TOOLFACE	Toolface	deg
GTOTAL	Total Gravity	G
BTOTAL	Total Magnetic Field	mG
DIP	Dip Angle	deg
MTF	Magnetic Toolface	deg
GTF	Gravity Toolface	deg
DLS	Dogleg Severity	deg/100ft
GX	Gravity X	G
GY	Gravity Y	G
GZ	Gravity Z	G
BX	Magnetic Field X	mG
BY	Magnetic Field Y	mG
BZ	Magnetic Field Z	mG

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www.gyrodata.com

BOND HOD1

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BOND HOD1

BHA=TK15 Run #3 MD TD

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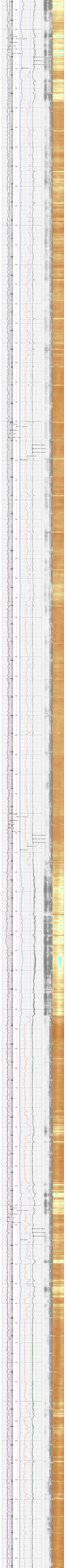
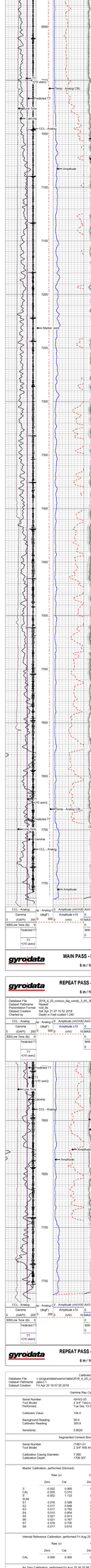
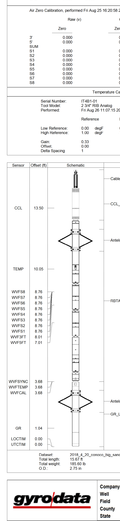
BOND HOD1





MAIN PASS - Ran with 500 PSI

6 in / 100 ft



REPEAT PASS - Ran with 0 PSI

6 in / 100 ft

REPEAT PASS - Ran with 0 PSI

6 in / 100 ft

Calibration Report

Database File	c:\programdata\warrior\data\2016_4_20_connoc_big_sands_3_65_36_31_29m\2016_4_20_connoc_big_sands_3_65_36_31_29m.db
Dataset Pathname	pass1
Dataset Created	Fri Apr 20 19:57:35 2018

Gamma Ray Calibration Report

Serial Number	GAA2-231
Tool Model	2 3/4" TeleCo
Calibration Date	Fri Jul 21 2017 09:36:20
Calibrator Value	184.0 GAPI
Background Reading	59.9 cps
Calibration Reading	185.8 cps
Sensitivity	0.0020 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number	ET481-01
Tool Model	2 3/4" RSB Analog
Calibration Casing Diameter	7.000 in
Calibration Depth	1709.307 ft

Master Calibration, performed (Service).

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
T	-0.002	0.995	0.000	71.900	72.098	0.172
CAL	-0.002	1.133	0.000	71.900	63.375	0.124
T	-0.002	1.133	0.000	71.900	63.375	0.124
Collimator Value					GAPI	
G-M						
T	0.016	0.598	0.000	62.165	106.736	-1.722
S2	0.017	0.648	0.000	62.165	98.432	-1.648
S3	0.011	0.752	0.000	62.165	84.814	-1.451
S4	0.017	0.813	0.000	62.165	77.431	-1.436
S5	0.021	0.913	0.000	62.165	69.024	-1.436
S6	0.017	0.963	0.000	62.165	65.453	-1.092
S7	0.018	0.755	0.000	62.165	82.933	-1.540
S8	0.017	0.870	0.000	62.165	104.765	-1.796

Calibration Reading Calibrator Value Background Reading Sensitivity

Internal Reference Calibration, performed Fri Aug 25 16:29:58 2017.

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.005	0.510	1.000	0.000

Air Zero Calibration, performed Fri Aug 25 16:20:38 2017.

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
T	0.000	0.000	0.000
T	0.000	0.000	0.000
G-M			
T	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number	ET481-01
Tool Model	2 3/4" RSB Analog
Performed	Fri Aug 25 11:07:15 2016

Reference	Reading
Low Reference	0.00 degF
High Reference	1.00 degF

Gain	0.33
Offset	0.00
Delta Spacing	1.00

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Cablehead TrilinCoreType2	1.03	1.44	3.60
CCL	13.50		CCL_Log-2 3/4" TeleCo (9PINT-03)	1.83	2.75	33.00
			Antelope Overbody	1.25	2.75	
TEMP	10.05					
WVF58	8.76		RSTA-2 3/4" RSB Analog (ET481-01)	9.13	2.75	102.00
WVF57	8.76					
WVF56	8.76					
WVF55	8.76					
WVF54	8.76					
WVF53	8.76					
WVF52	8.76					
WVF51	8.76					
WVF3T1	8.01					
WVF3T1	7.51					
WVF3TRC	3.68		Antelope-Overbody	1.25	2.75	
WVF3TEMP	3.68					
WVFCAL	3.68		GR_Log-2 3/4" TeleCo (09PAD-03)	3.68	2.75	47.00
GR	1.04		Antelope-Overbody	1.25	2.75	
LOCTIM	0.00					
LOCTIM	0.00					

Dataset 2016_4_20_connoc_big_sands_3_65_36_31_29m.db :: fieldlowtorchpass3 1
Total Length 1709.31 ft
Total weight 192.82 lb
O.D. 2.75 in

Company	ConocoPhillips
Well	Big Sands 3-65-36-31 2001
Field	Niobrara
County	Adams
State	Colorado Country U.S.A.