gyrodata

Client: Well Name:
Field: Rig Name:
Rig Floor Elev: ft
Ground Elev: ft
Magnetic Declination: °
Grid Convention: True North
Survey Type: Run 1
Survey Date: Mar 1, 2011
Survey From: ft
Survey To: ft
Tie-In Depth: ft
Max Inclination: °
Total Corrected Length: ft
Bottom Hole Distance: ft

Gyrodata Days of Service
GPS Surface Position

Reference Information
Job Number:
Surface Coordinates: Feet, Grid
Vertical Section Azimuth: °
Vertical Section Origin: 0.00 ft, 0.00 ft
Measured Depth Reference: Rotary Table
Calculation Method: Minimum Curvature
Gyro Data Reference: True North
Depth Units: Feet

Survey Tool Information
Tool Type: Gyro Model: Gyro Serial Number:
Survey Mode: Surface Gyro
Survey Direction: Out
Survey Interval: 100.00 ft
Survey Type: Gyro
Survey Service Level: Standard
Survey Accuracy: Gyro
Survey Tool Error Model: ISCWSA Rev 0
Survey Tool Error Profile: Gyro
Survey Program: 0.00 ft, 0.00 ft

Survey Notes

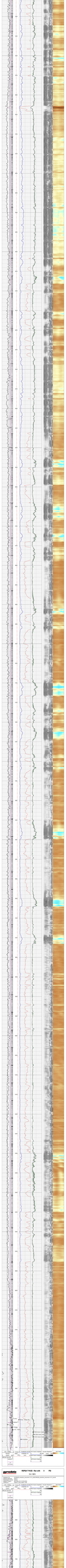
Gyrodata Horizontal Gyro Report
Job No. Run 1, Survey Date: Mar 1, 2011

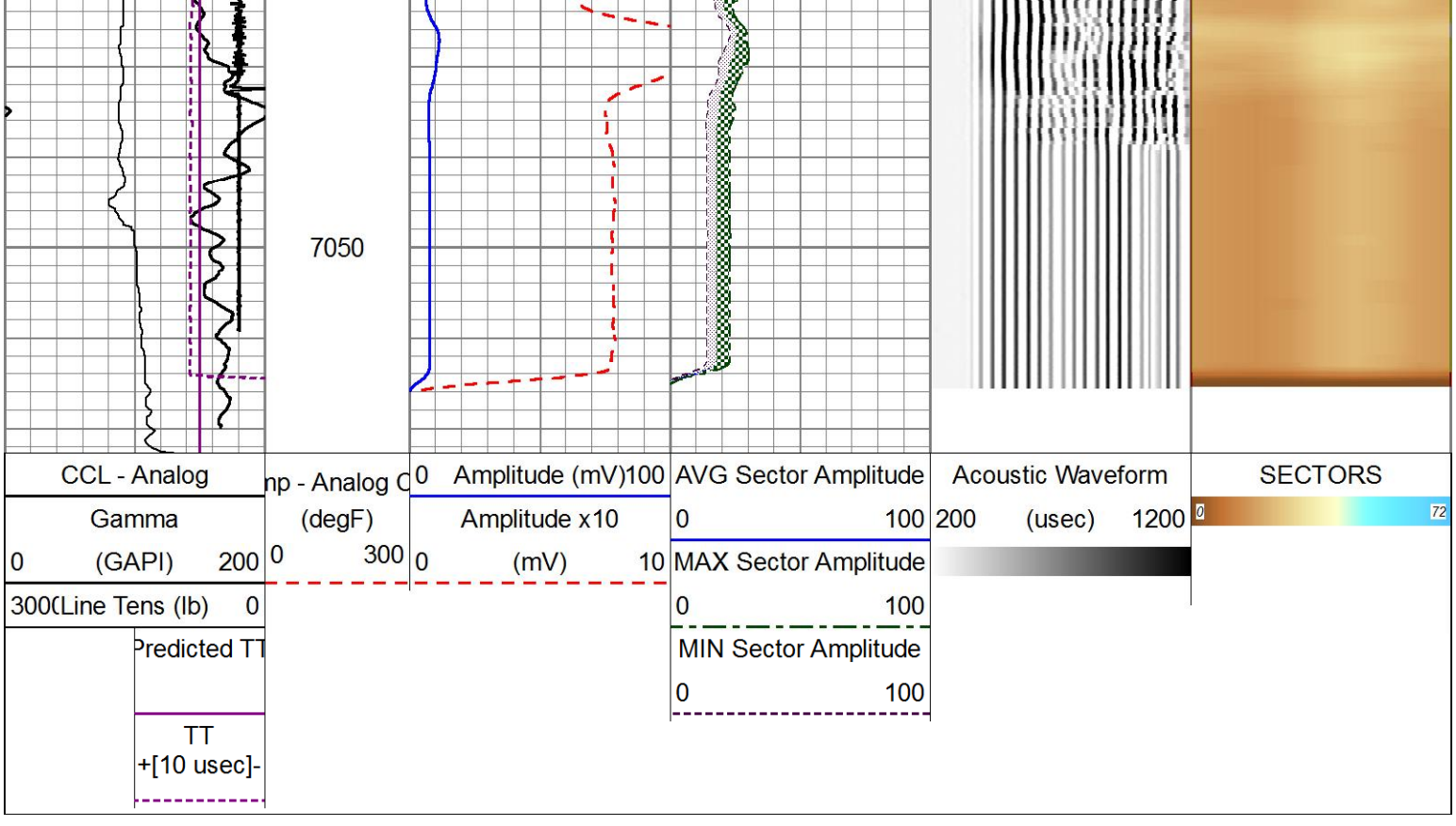
Log Variables

Curve Name	Curve Description	Curve Units	Curve Name	Curve Description	Curve Units	Curve Name	Curve Description	Curve Units	Curve Name	Curve Description	Curve Units
DEPTH	Depth	ft	INCL	Inclination	deg	AZIM	Azimuth	deg	TFACE	Tool Face	deg
DLS	Dogleg Severity	deg/100ft	VSEC	Vertical Section	ft	NSDS	Northing	ft	EWDS	Easting	ft
TVD	True Vertical Depth	ft									

Survey Data

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Section (ft)	Northing (ft)	Easting (ft)	Dogleg Severity (deg/100ft)	Tool Face (deg)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	0.00	0.00	0.00	0.00	


gyrodata
REPEAT RUN - Run with X PE
Survey Data
Survey Report
Survey Calculation Method: Minimum Curvature
Vertical Section Plane: 0.00 (True North)
Vertical Section Origin: 0.00 ft, 0.00 ft
Measured Depth Unit: Feet
Inclination Azimuth True Vertical Depth Vertical Section Northing Easting Dogleg Severity
Feet Degrees Degrees Feet Feet Feet Feet Degrees/100 ft
Tie-In Survey
0.00 0.00 0.00 0.00 0.00 0.00 0.00
Last Survey
0.00 0.00 0.00 0.00 0.00 0.00 0.00
Projection to Bit
0.00 0.00 0.00 0.00 0.00 0.00 0.00



Calibration Report

Database File	d:\warrior\data\20180326_extraction_wssunrise 4-5-5_cbl\20180326_extraction_wssunrise 4-5-5_cbl.db
Dataset Pathname	pass3.1
Dataset Creation	Mon Mar 26 16:15:41 2018

Gamma Ray Calibration Report

Serial Number:	ISHV2-03	
Tool Model:	2 3/4" TekCo	
Performed:	Tue Dec 13 00:23:06 2016	
Calibrator Value:	194.0	GAPI
Background Reading:	58.9	cps
Calibrator Reading:	300.8	cps
Sensitivity:	0.8020	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	IT4B1-01	
Tool Model:	2 3/4" RIB Analog	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	0.000	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.001	1.533	0.000	71.921	46.888	0.028
CAL	0.000	0.290				
5'	0.002	1.988	0.000	71.921	36.222	-0.072
SUM						
S1	0.029	1.176	0.000	72.000	62.759	-1.797
S2	0.033	1.291	0.000	72.000	57.241	-1.871
S3	0.034	1.588	0.000	72.000	46.330	-1.581
S4	0.034	2.008	0.000	72.000	36.463	-1.223
S5	0.037	2.083	0.000	72.000	35.183	-1.286
S6	0.036	1.646	0.000	72.000	44.718	-1.588
S7	0.034	1.389	0.000	72.000	53.130	-1.789
S8	0.029	1.218	0.000	72.000	60.543	-1.767

Internal Reference Calibration, performed Fri Aug 25 16:20:58 2017:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.290	0.000	0.290	1.000	0.000

Air Zero Calibration, performed Fri Aug 25 16:20:58 2017:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	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:	IT4B1-01			
Tool Model:	2 3/4" RIB Analog			
Performed:	Fri Aug 26 11:07:15 2016			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	usec
High Reference:	1.00	degF	1.00	usec
Gain:	0.33			
Offset:	0.00			
Delta Spacing	1			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			CableHead-TitanConeType2	1.03	1.44	3.60
CCL	13.50		CCL_Log-2 3/4" TekCo (IPSN7-03)	1.83	2.75	33.00
			Antelope-Overbody	1.25	2.75	
TEMP	10.05					
WVFS8	8.76		RBTA-2 3/4" RIB Analog (IT4B1-01)	9.13	2.75	102.00
WVFS7	8.76					
WVFS6	8.76					
WVFS5	8.76					
WVFS4	8.76					
WVFS3	8.76					
WVFS2	8.76					
WVFS1	8.76					
WVF3FT	8.01					
WVF5FT	7.01					
WVFSYNC	3.68					
WVFTEMP	3.68					
WVFCAL	3.68					
			Antelope-Overbody	1.25	2.75	
			GR_Log-2 3/4" TekCo (ISHV2-03)	3.68	2.75	47.00
GR	1.04					
LOCTIM	0.00					
UTCTIM	0.00					

Dataset:	20180326_extraction_wssunrise 4-5-5_cbl.db: field/well/run1/pass3.1
Total length:	15.67 ft
Total weight:	185.60 lb
O.D.:	2.75 in

gyrodata

Company	Extraction Oil and Gas		
Well	WS-Sunrise 4-5-5		
Field	Wattenberg		
County	Weld		
State	Colorado	Country	U.S.A.