gyrodata

Company	Petroleum Development Oman
Well	Rim Al Jaziya 1
Field	Rim Al Jaziya
Location	Sultanate of Oman
Date	2-Jan-2008
Surveyed From	Surface
Surveyed To	1000
Total Depth	1000
Bit Size	12.25
Casing Size	9.625
Casing Depth	1000
Mud Type	Water
Mud Weight	1.0
Mud Viscosity	40
Mud Chlorides	0
Max Temp	25
Max Inclination	0.4
Max Dogleg	0.4
Max Vertical Depth	1000
Max Vertical Section	0.0
Vertical Section Direction	0.0
Rig Name	Rig 1
Operator	Petroleum Development Oman
Witnessed By	Mr. Ali Al Ghafri

Comment

Petroleum Development Oman
Rim Al Jaziya 1
Rim Al Jaziya
Sultanate of Oman

Gyrodata Incorporated
Houston, Texas
Gyrodata Incorporated "RIG"

Log Variables

Log Variable	Value	Log Variable	Value	Log Variable	Value	Log Variable	Value
Gyro Type	Rigid	Gyro Serial Number	0	Gyro Software Version	5.0	Gyro Firmware Version	1.0
Gyro Mode	Gyro Only	Gyro Sensor Offset	0.0	Gyro Sensor Scale Factor	1.0	Gyro Sensor Axis	Normal
Gyro Sensor Temperature Limit	70.0	Gyro Sensor Temperature Offset	0.0	Gyro Sensor Temperature Scale Factor	1.0	Gyro Sensor Temperature Axis	Normal
Accel Sensor Offset	0.0	Accel Sensor Scale Factor	1.0	Accel Sensor Axis	Normal	Accel Sensor Temperature Limit	70.0
Accel Sensor Temperature Offset	0.0	Accel Sensor Temperature Scale Factor	1.0	Accel Sensor Temperature Axis	Normal	Mag Sensor Offset	0.0
Mag Sensor Scale Factor	1.0	Mag Sensor Axis	Normal	Mag Sensor Temperature Limit	70.0	Mag Sensor Temperature Offset	0.0
Mag Sensor Temperature Scale Factor	1.0	Mag Sensor Temperature Axis	Normal	Inclination Limit	0.0	Azimuth Limit	0.0
Inclination Offset	0.0	Azimuth Offset	0.0	Inclination Scale Factor	1.0	Azimuth Scale Factor	1.0
Inclination Axis	Normal	Azimuth Axis	Normal	Inclination Filter Length	0	Azimuth Filter Length	0
Inclination Filter Type	Boxcar	Azimuth Filter Type	Boxcar	Gyro Sensor Temperature Filter Length	0	Gyro Sensor Temperature Filter Type	Boxcar
Accel Sensor Temperature Filter Length	0	Accel Sensor Temperature Filter Type	Boxcar	Mag Sensor Temperature Filter Length	0	Mag Sensor Temperature Filter Type	Boxcar
Gyro Sensor Temperature Limit Enable	Disabled	Accel Sensor Temperature Limit Enable	Disabled	Mag Sensor Temperature Limit Enable	Disabled	Inclination Limit Enable	Disabled
Azimuth Limit Enable	Disabled	Gyro Sensor Temperature Limit Action	Ignore	Accel Sensor Temperature Limit Action	Ignore	Mag Sensor Temperature Limit Action	Ignore
Inclination Limit Action	Ignore	Azimuth Limit Action	Ignore	Gyro Sensor Temperature Limit Alarm	Disabled	Accel Sensor Temperature Limit Alarm	Disabled
Mag Sensor Temperature Limit Alarm	Disabled	Inclination Limit Alarm	Disabled	Azimuth Limit Alarm	Disabled	Gyro Sensor Temperature Limit Alarm Delay	0
Accel Sensor Temperature Limit Alarm Delay	0	Mag Sensor Temperature Limit Alarm Delay	0	Inclination Limit Alarm Delay	0	Azimuth Limit Alarm Delay	0
Gyro Sensor Temperature Limit Alarm Clear	Disabled	Accel Sensor Temperature Limit Alarm Clear	Disabled	Mag Sensor Temperature Limit Alarm Clear	Disabled	Inclination Limit Alarm Clear	Disabled
Azimuth Limit Alarm Clear	Disabled	Gyro Sensor Temperature Limit Alarm Clear Delay	0	Accel Sensor Temperature Limit Alarm Clear Delay	0	Mag Sensor Temperature Limit Alarm Clear Delay	0
Inclination Limit Alarm Clear Delay	0	Azimuth Limit Alarm Clear Delay	0	Gyro Sensor Temperature Limit Alarm Clear Action	Ignore	Accel Sensor Temperature Limit Alarm Clear Action	Ignore
Mag Sensor Temperature Limit Alarm Clear Action	Ignore	Inclination Limit Alarm Clear Action	Ignore	Azimuth Limit Alarm Clear Action	Ignore	Gyro Sensor Temperature Limit Alarm Clear Enable	Disabled
Accel Sensor Temperature Limit Alarm Clear Enable	Disabled	Mag Sensor Temperature Limit Alarm Clear Enable	Disabled	Inclination Limit Alarm Clear Enable	Disabled	Azimuth Limit Alarm Clear Enable	Disabled

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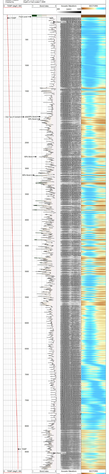
SONG HODO



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SONG HODO

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SONG PLOG: Run 1(R) 1 PG

Date: 2-Jan-2008

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Rim Al Jaziya 1
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Sultanate of Oman

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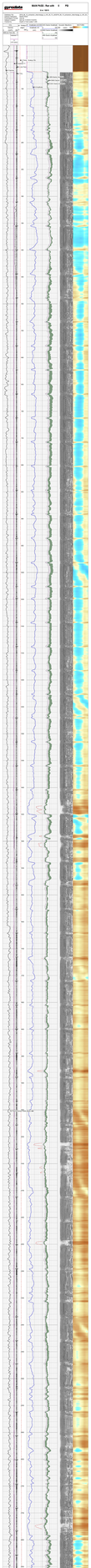
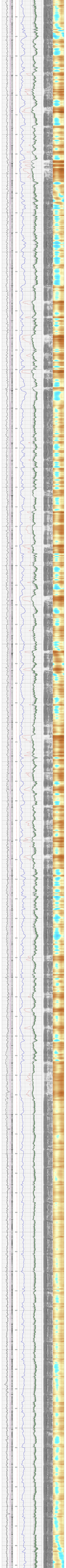




CCL	np - Analog C	0 Amplitude (mV)100	AVG Sector Amplitude	Acoustic Waveform	SECTORS
Gamma	(degF)	Amplitude x10	0 100	200 (usec) 1200	
0 (GAPI) 200	0 300	0 (mV) 10	MAX Sector Amplitude		
300(Line Tens (lb) 0			0 100		
Predicted TT			MIN Sector Amplitude		
TT +[10 usec]-			0 100		

gyrodata **MAIN PASS - Ran with 0 PSI**

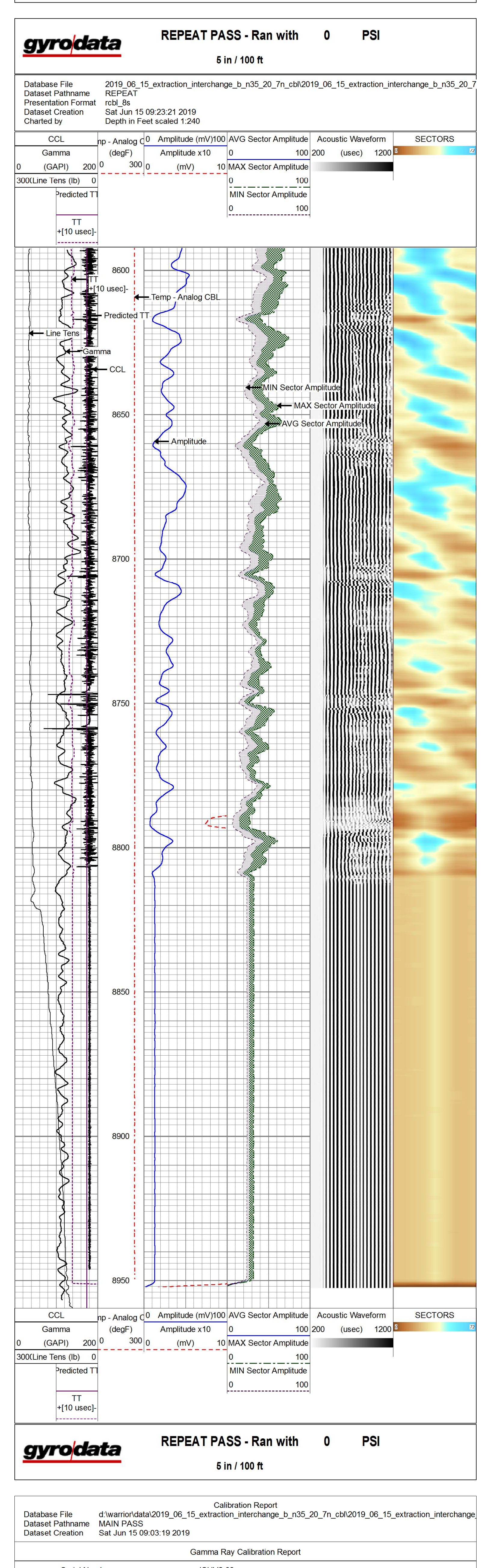
5 in / 100 ft

gyrodata **REPEAT PASS - Ran with 0 PSI**

5 in / 100 ft

Database File	2019_06_15_extraction_interchange_b_n35_20_7n_cbl\2019_06_15_extraction_interchange_b_n35_20_7
Dataset Pathname	REPEAT
Presentation Format	rcbl_8s
Dataset Creation	Sat Jun 15 09:23:21 2019
Charted by	Depth in Feet scaled 1:240

CCL	np - Analog C	0 Amplitude (mV)100	AVG Sector Amplitude	Acoustic Waveform	SECTORS
Gamma	(degF)	Amplitude x10	0 100	200 (usec) 1200	
0 (GAPI) 200	0 300	0 (mV) 10	MAX Sector Amplitude		
300(Line Tens (lb) 0			0 100		
Predicted TT			MIN Sector Amplitude		
TT +[10 usec]-			0 100		



CCL	np - Analog C	0 Amplitude (mV)100	AVG Sector Amplitude	Acoustic Waveform	SECTORS
Gamma	(degF)	Amplitude x10	0 100	200 (usec) 1200	
0 (GAPI) 200	0 300	0 (mV) 10	MAX Sector Amplitude		
300(Line Tens (lb) 0			0 100		
Predicted TT			MIN Sector Amplitude		
TT +[10 usec]-			0 100		

gyrodata **REPEAT PASS - Ran with 0 PSI**

5 in / 100 ft

Calibration Report

Database File	d:\warrior\data\2019_06_15_extraction_interchange_b_n35_20_7n_cbl\2019_06_15_extraction_interchange_b_n35_20_7n_cbl.db
Dataset Pathname	MAIN PASS
Dataset Creation	Sat Jun 15 09:03:19 2019

Gamma Ray Calibration Report

Serial Number:	ISHV2-03	
Tool Model:	2 3/4" TekCo	
Performed:	Thu Apr 25 08:34:21 2019	
Calibrator Value:	194.0	GAPI
Background Reading:	61.7	cps
Calibrator Reading:	373.2	cps
Sensitivity:	0.6226	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:	2260.280	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.002	1.020	0.000	71.921	70.319	0.167
CAL	-0.004	0.624				
5'	0.001	1.801	0.000	71.921	39.956	-0.020
SUM						
S1	0.008	1.602	0.000	72.000	45.188	-0.382
S2	0.012	1.658	0.000	72.000	43.761	-0.543
S3	0.018	1.713	0.000	72.000	42.456	-0.747
S4	0.023	1.750	0.000	72.000	41.693	-0.980
S5	0.023	1.669	0.000	72.000	43.754	-1.019
S6	0.017	1.522	0.000	72.000	47.834	-0.803
S7	0.019	1.771	0.000	72.000	41.088	-0.783
S8	0.017	1.609	0.000	72.000	45.233	-0.776

Internal Reference Calibration, performed Fri Aug 25 15:20:58 2017:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.004	0.624	1.000	0.000

Air Zero Calibration, performed Fri Aug 25 15:20:58 2017:

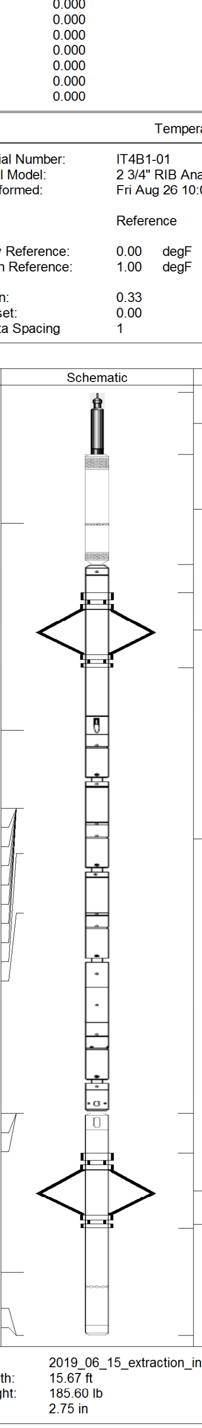
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number:	IT4B1-01			
Tool Model:	2 3/4" RIB Analog			
Performed:	Fri Aug 26 10:07:15 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)
CCL	13.50
TEMP	10.05
WVFS8	8.76
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
WVF5SYNC	3.68
WVFTEMP	3.68
WVFCAL	3.68
GR	1.04
LOCTIM	0.00
UTCTIM	0.00

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb)
CableHead-TitanConeType2	1.03	1.44	3.60
CCL_Log-2 3/4" TekCo (IS2T1-08)	1.83	2.75	33.00
Antelope-Overbody	1.25	2.75	
RBTA-2 3/4" RIB Analog (IT4B1-01)	9.13	2.75	102.00
Antelope-Overbody	1.25	2.75	
GR_Log-2 3/4" TekCo (ISHV2-03)	3.68	2.75	47.00

Dataset:	2019_06_15_extraction_interchange_b_n35_20_7n_cbl.db: field/well/run1/MAIN PASS
Total length:	15.67 ft
Total weight:	185.60 lb
O.D.:	2.75 in

gyrodata

Company	Extraction Oil and Gas
Well	Interchange B N35-20-7N
Field	Wattenberg
County	Broomfield
State	CO
Country	U.S.A.