

Company: Noble Energy		Well: Remora LC34-715		Field: Wildcat		County: Weld		State: Colorado		Country: USA	
<div><div>SlimPulse-Gamma Ray</div><div>1 in./ 100 ft True Vertical Depth</div><div>Recorded Mode, Composite Log</div><div>Schlumberger</div></div>											
Company: Noble Energy				Remora LC34-715							
Well: Wildcat											
County: Weld											
State: Colorado											
Country: USA											
Section: 34		APIN: 05-123-40592		Township: 09N		Rig Name: H&P 273		Range: 59W		Rig Type: Top Drive	
FL: NAD83 Colorado State Plane, Northern Zone, US Feet											
FL1: Latitude: 40° 42' 43.416" N Northing: 1505969.197 ftUS											
FL2: Longitude: 103° 57' 24.984" W Easting 3427758.297 ftUS											
<div><div>Log Measured From: - Drill Floor: 4838.00 ft</div><div>Ground Level: 4814.00 ft</div><div></div></div>											
Permanent Datum: - Mean Sea Level											
Acquisition Dates: 11-Jan-2016 -- 16-Jan-2016		Other Services:									
Log Interval: 629.08(ft)TVD -- 5906.47(ft)TVD		Surveys / Continuous D&I									
Index Types: True Vertical Depth		Downhole Temperature									
Index Scales: 1:1200 1" / 100'		Downhole Shocks									
Depth Source: Driller's Depth		Directional Drilling									
Depth Sensor: PASON											
Print Type: Final											
Spud Date: 10-Jan-2016											

Disclaimer

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Borehole Size/Casing Record						
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Bit						
Bit Size (in)	12.25	8.75	6.125			
Top Driller (ft)	0	643	6195			
Bottom Driller (ft)	643	6195	10017			
Casing						
Size (in)	9.625	7				
Weight (lbm/ft)	32	32				
Inner Diameter (in)	9.001	6.094				
Grade	J55	P110				
Top Driller (ft)	0	0				
Bottom Driller (ft)	633	6183				

Operational Run Summary						
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Parameter (unit)	Run01	Run03				
Date Log Started	11-Jan-2016	14-Jan-2016				
Time Log Started	01:02:29	00:18:56				
Date Log Finished	12-Jan-2016	16-Jan-2016				
Time Log Finished	11:10:15	15:17:53				
Bit Size (in)	8.750	6.125				
Bit Start Depth (ft)	643.00	6195.00				
Bit Stop Depth (ft)	6195.00	10017.00				
Top Log Interval (ft)	593.00	6145.00				
Bottom Log Interval (ft)	6145.00	9964.00				
Max Hole Deviation (deg)	71.18	91.55				
Azimuth of Max Deviation (deg)	177.11	176.57				
Logging Unit Number	Command Center	Command Center				
Logging Unit Location	Zone 3	Zone 3				
Recorded By	M. Wilson	E. Sloyer				
Witnessed By	S. Kingrey	S. Kingrey				
Service Order Number	15CCO0839	15CCO0839				

Borehole Fluids						
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Parameter(unit)	Run01	Run03				
Fluid Type	Water	Water				
Max Recorded Temperatures (degF)	168.8	212				

Source of Sample	Active Tank	Active Tank				
Salinity (ppm)	1300	34972.17				
Density (lbm/gal)	Zoned	10.3				
Funnel Viscosity (s)	34	35				
Fluid Loss (cm3)						
PH	9.8	9.2				
Source RMF						
RMC	Pressed	Pressed				
RM @ Meas Temp (ohm.m@degF)	0.2 @ 68	0.2 @ 68				
RMF @ Meas Temp (ohm.m@degF)	0.15 @ 68	0.15 @ 68				
RMC @ Meas Temp (ohm.m@degF)						
RM @ BHT (ohm.m@degF)	0.07 @ 212	0.07 @ 213				
RMF @ BHT (ohm.m@degF)	0.05 @ 212	0.05 @ 213				
RMC @ BHT (ohm.m@degF)	NaN @ 212	NaN @ 213				
Total Solid (%)	9.5	8.2				
High Gravity Solids (%)						

Run01

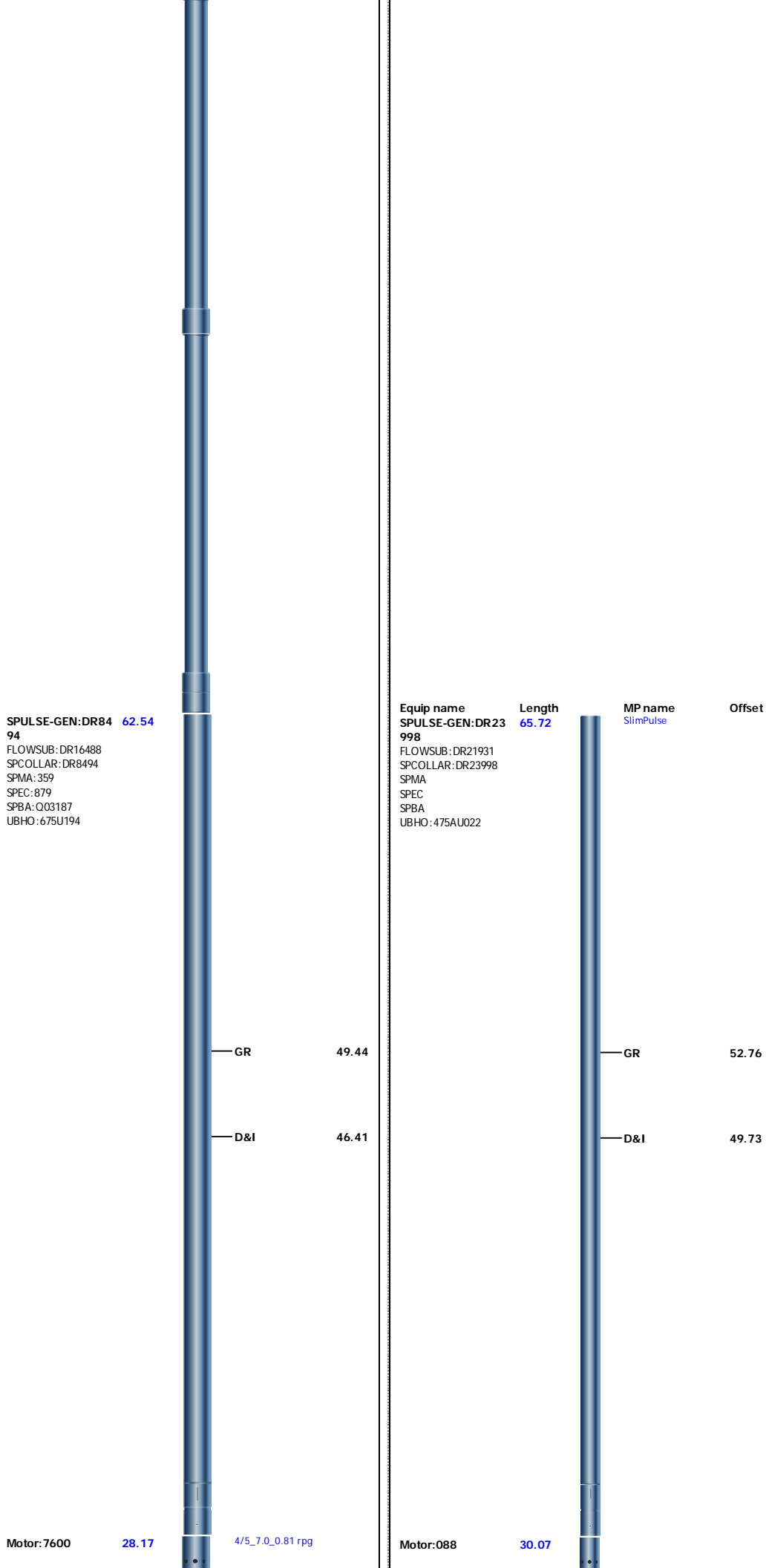
Remarks and Equipment Summary

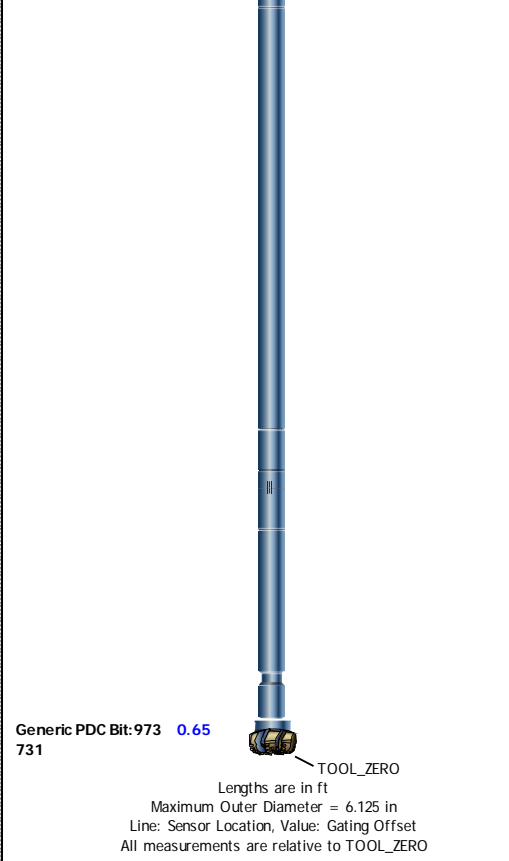
Depth Reference: Driller's Depth

Run01: Remarks	Run03: Remarks
Run Objective: Drill vertical and curve section.	Run Objective: Drill curve and lateral section.
Bit to GR: 49.44 ft Bit to D&I: 46.41 ft	Bit to GR: 52.76 ft Bit to DNI: 49.73 ft
Drilled from: 643 ft to 6195 ft Logged from: 593 ft to 6145 ft	Drilled from: 6195 ft to 10017 ft Logged from: 6145 ft to 9964 ft
SlimPulse Software Version 11 SlimPulse UDI Calibrated: Jul. 23, 2015 SlimPulse UGR Calibrated: Oct. 30, 2015	SlimPulse Software Version 11 SlimPulse UDI Calibrated: Jun. 5, 2015 SlimPulse UGR Calibrated: Nov. 20, 2015
Schlumberger Personnel: DD: Charles Mitchell, Chris Sisseck MWD: Scott Kingrey, Mark Wilson, Eric Sloyer	Schlumberger Personnel: DD: Charles Mitchell, Chris Sisseck MWD: Scott Kingrey, Mark Wilson, Eric Sloyer
Reason for POOH: Section TD	Reason for POOH: Well TD

Equip name	Length	MP name	Offset
X/O: 6 3/4":DR111	101.96		
08			
Flt Sub: 6 3/4":DR	98.93		
10902			
Filtr Sub: 6 3/4":DR	96.37		
19577			
Flex DC: 6 3/4":DR	93.57		
28051			

[illegible]





Well Composite

Software Version

Acquisition System	Version
Maxwell 2014 SP3	5.3.47551.3100

Composite Summary

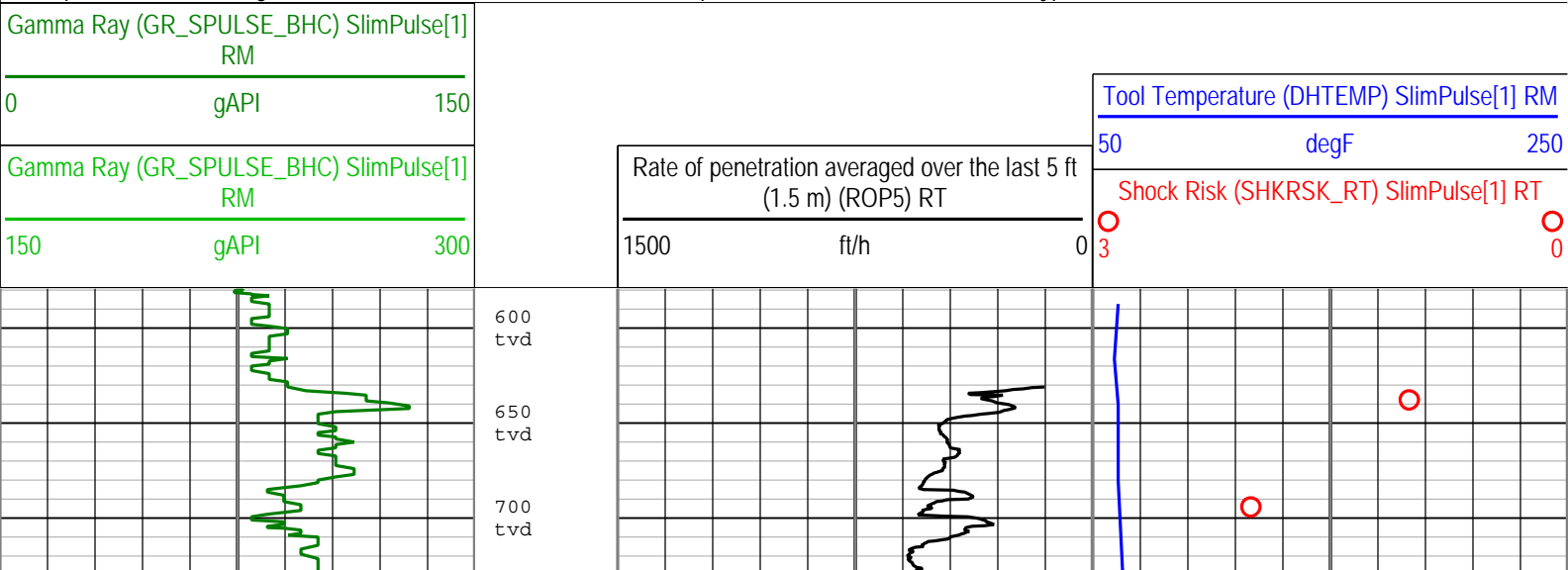
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run01	Drilling	Down	629.08 ft	6191.00 ft	11-Jan-2016 1:02:29 AM	12-Jan-2016 11:10:15 AM	Yes
Run03	Drilling	Down	6190.00 ft	10018.83 ft	14-Jan-2016 5:46:02 AM	16-Jan-2016 3:17:53 PM	Yes

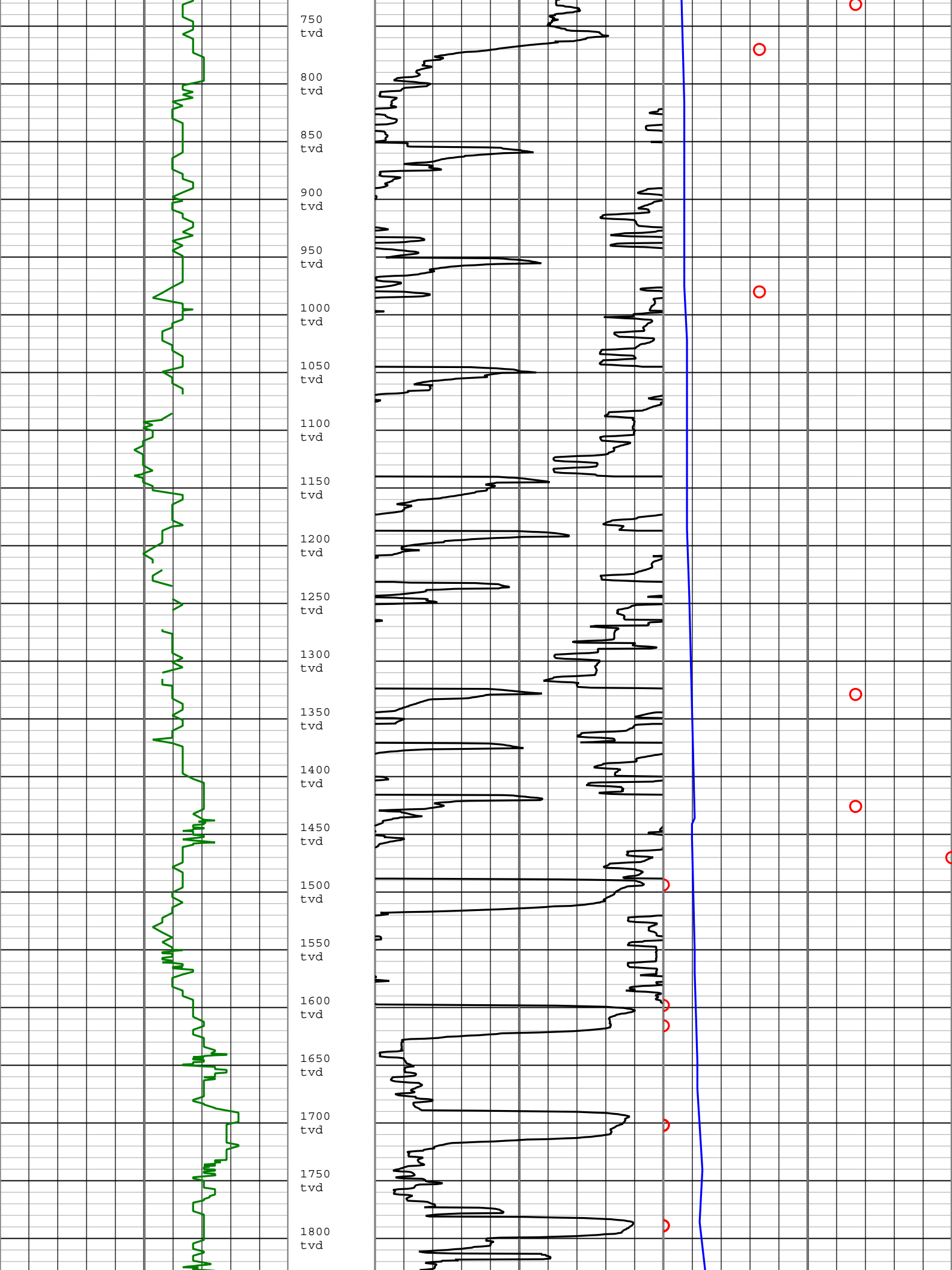
All depths are referenced to toolstring zero

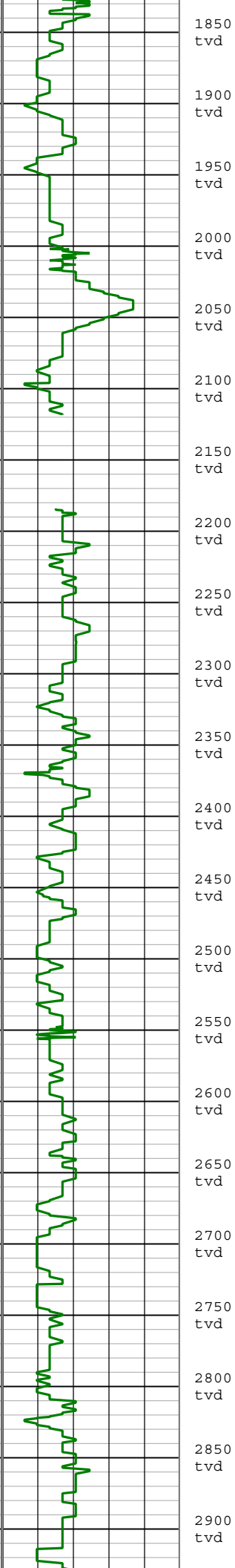
Log

Company:Noble Energy Well:Remora LC34-715 Well Composite:S107

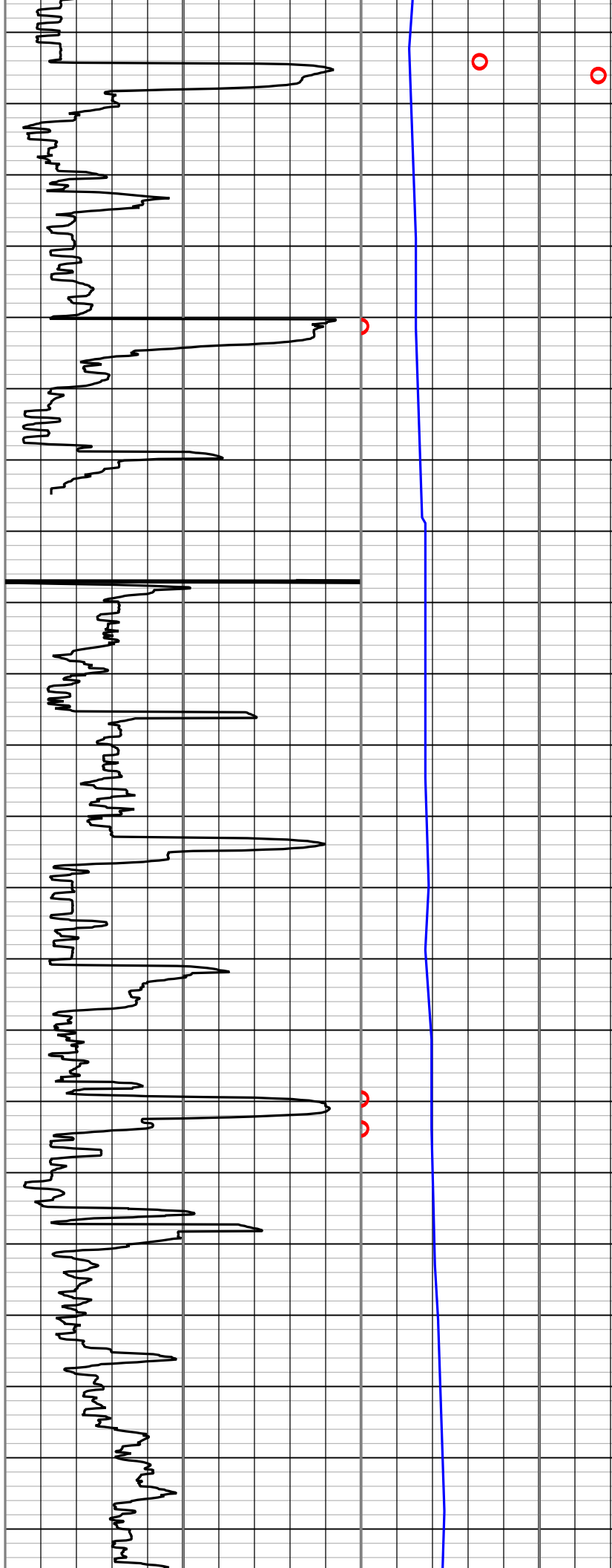
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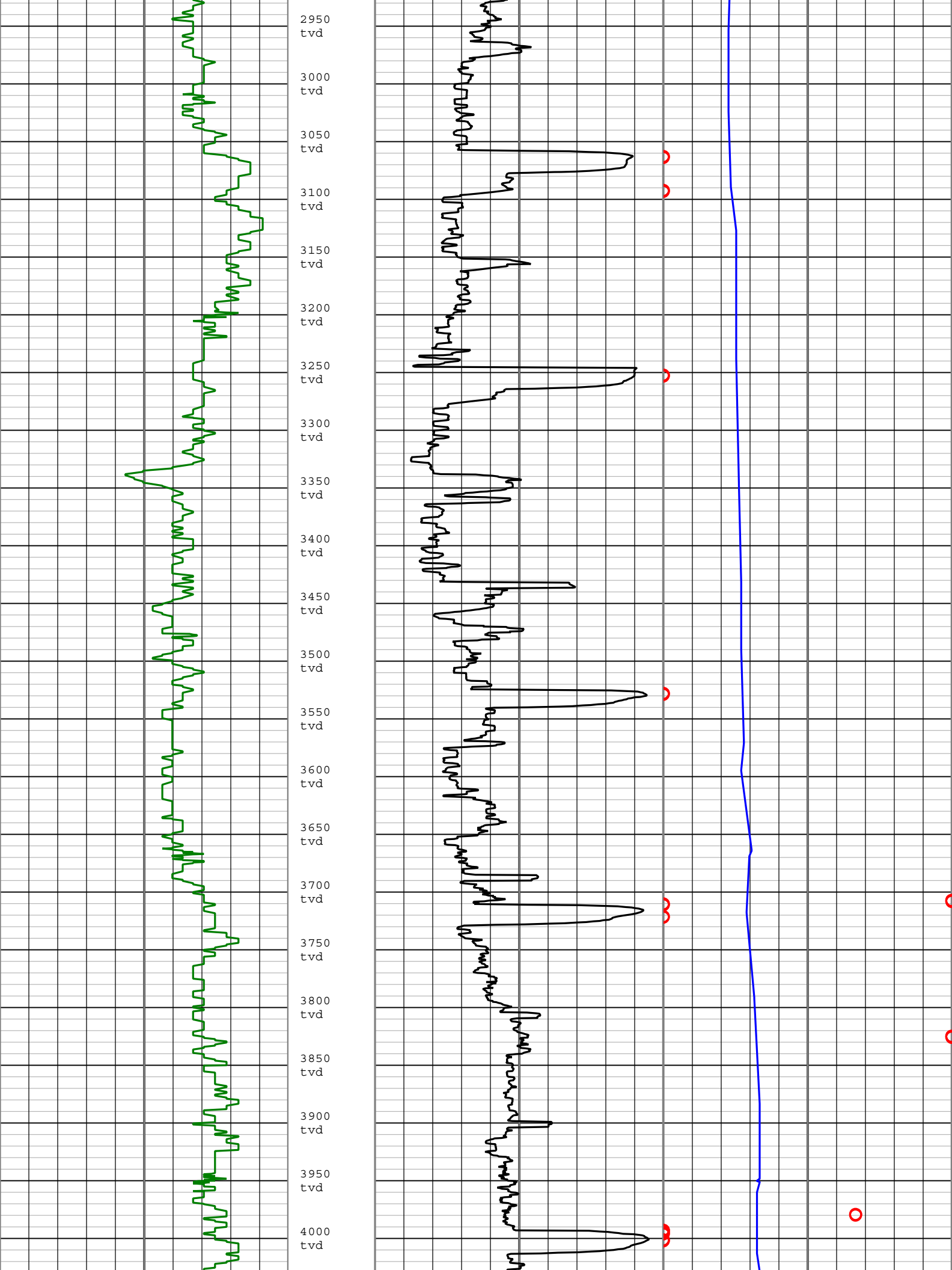


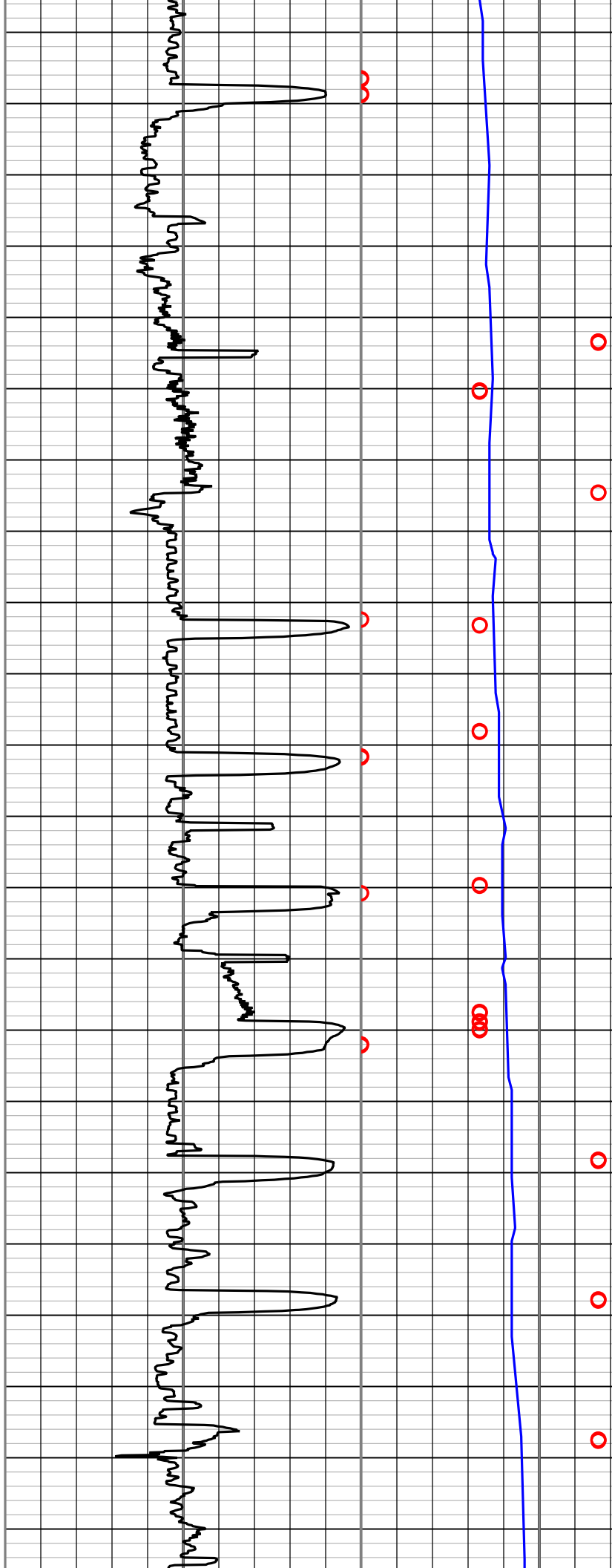
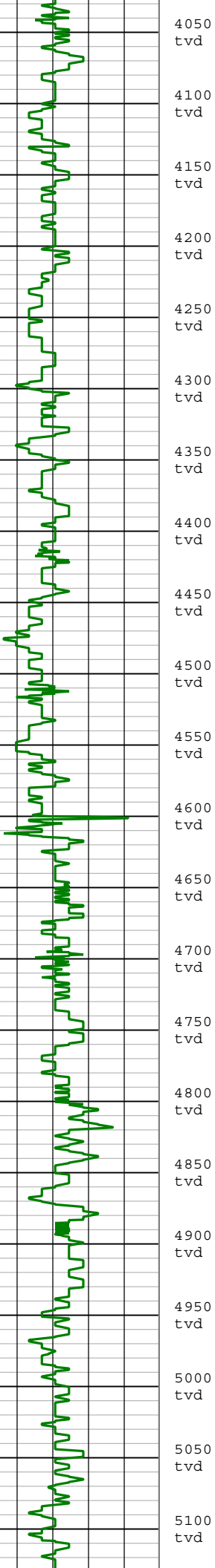


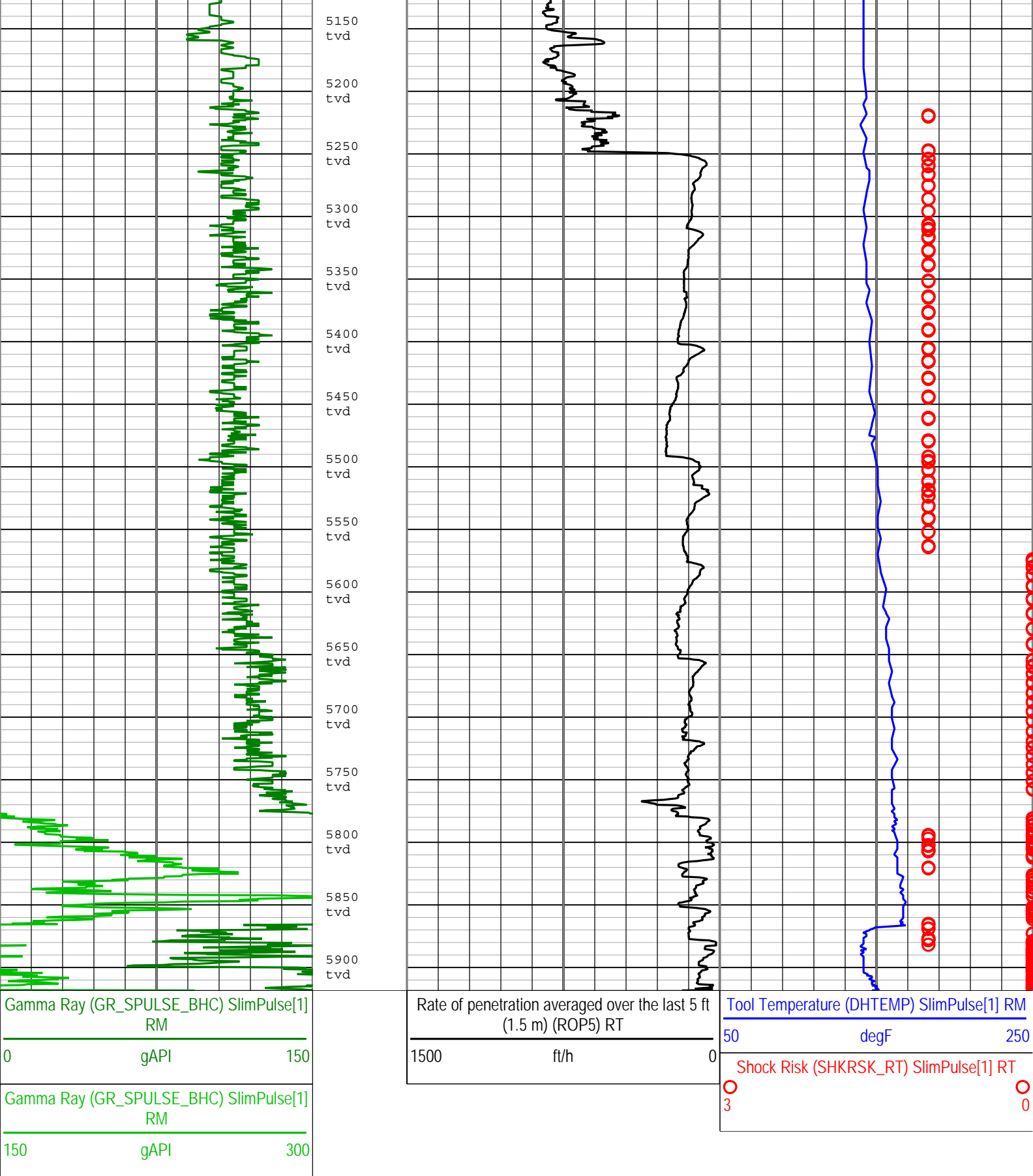


1850 tvd
1900 tvd
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2800 tvd
2850 tvd
2900 tvd









Description: Format: Log (SlimPulse EOW TVD) Index Scale: 1 in per 100 ft Index Unit: ft Index Type: TVD Creation Date: 10-Feb-2016 17:01:04

Channel Processing Parameters

Run01: Parameters

Parameter	Description	Tool	Value	Unit
BS	Bit Size	DNMSESSION	Depth Zoned	in
DFD	Drilling Fluid Density	Borehole	Time Zoned	lbm/gal
GR_SRC	GR Source Selection	SPULSE-GEN	GAMMA_EXT	

GR_SOURCE_SELECTION		SPULSE_GEN		GAMMA_EXT	
Run01Depth Zoned Parameters					
Parameter	Value	Start (ft)		Stop (ft)	
BS	12.25	579.58		643.08	
BS	8.75	643.08		5882.53	
All depth are actual.					
Run01Time Zoned Parameters					
Pass Drilling					
Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
DFD	8.4	11-Jan-2016 01:02:29	11-Jan-2016 21:53:22	629.08	5435
DFD	8.5	11-Jan-2016 21:53:22	12-Jan-2016 05:35:07	5435	6034.42
DFD	10.6	12-Jan-2016 05:35:07	12-Jan-2016 11:10:15	6034.42	6191
All depth are at tool zero.					
Run03: Parameters					
Parameter	Description	Tool	Value	Unit	
BS	Bit Size	DNMSESSION	Depth Zoned	in	
DFD	Drilling Fluid Density	Borehole	10.3	lbm/gal	
GR_SRC	GR Source Selection	SPULSE-GEN	GAMMA_EXT		
Run03Depth Zoned Parameters					
Parameter	Value	Start (ft)		Stop (ft)	
BS	8.75	5861.36		5883.83	
BS	6.125	5883.83		5918.83	
All depth are actual.					
Tool Control Parameters					
Survey Record					
Survey Calculation					
Method :		Minimum Radius of Curvature	DLS Method :		Lubinski
North Reference :		Grid North	Total Correction Formula :		Magnetic Dec - Grid Convergence
Grid Convergence :		1.00 deg			
Rig Location					
Latitude :		40° 42' 43.416" N	Longitude :		103° 57' 24.984" W
Tie In Point					
Measured Depth:	0.00 ft	Inclination:	0.00 deg	Azimuth:	0.00 deg
True Vertical Depth:	0.00 ft	North Displacement:	0.00 ft	East Displacement:	0.00 ft
N/-S VSec Origin:	0.00 ft	E/-W VSec Origin:	0.00 ft	Vertical Section Azimuth:	173.48 deg
D&I Inits Computed and Values Used - Run01					
Geomagnetic Model :		BGGM 2015	Geomagnetic Date :		10 Jan 2016
Computed Location B :		52823.16 nT +/- 300.00nT	Used Location B :		52804.53 nT +/- 300.00nT
Computed Location G :		999.57 mgn +/- 2.50mgn	Used Location G :		999.09 mgn +/- 2.50mgn
Computed Magnetic Dip :		67.34 deg +/- 0.45deg	Used Magnetic Dip :		67.20 deg +/- 0.45deg
Computed Magnetic Dec :		8.03 deg	Used Magnetic Dec :		7.99 deg
Computed Total Correction :		7.03 deg	Used Total Correction :		6.99 deg
D&I Inits Computed and Values Used - Run03					
Geomagnetic Model :		HDGM 2015	Geomagnetic Date :		13-Jan-2016
Computed Location B :		52869.45 nT +/- 300.00nT	Used Location B :		52804.53 nT +/- 300.00nT
Computed Location G :		999.57 mgn +/- 2.50mgn	Used Location G :		999.09 mgn +/- 2.50mgn
Computed Magnetic Dip :		67.17 deg +/- 0.45deg	Used Magnetic Dip :		67.20 deg +/- 0.45deg
Computed Magnetic Dec :		7.98 deg	Used Magnetic Dec :		7.99 deg
Computed Total Correction :		6.98 deg	Used Total Correction :		6.99 deg
Survey Quality Index					

Survey Quality Index															
0 : Long Survey passed all criteria				2 : Long Survey failed mag criteria				9 : Manual							
28 : Tie-In Point															
Survey Correction Index															
0 : No correction															
Survey Description Index															
0 : Not Flagged Survey				7 : Projection to Bit											
Seq	MD (ft)	Incl (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/ -S (ft)	E/ -W (ft)	Closure (ft)	at Azim (deg)	DLS deg/100ft	Tool Type	QI	CI	DI
1	0.00	0.00	0.00	----	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
2	715.00	0.10	229.59	715.00	715.00	0.34	-0.39	-0.46	0.59	229.59	0.01	SlimPulse	0	0	0
3	904.00	0.39	134.76	189.00	904.00	0.93	-0.95	-0.13	0.95	187.72	0.22	SlimPulse	2	0	0
4	998.00	0.07	67.94	94.00	998.00	1.16	-1.15	0.15	1.15	172.57	0.39	SlimPulse	2	0	0
5	1092.00	0.10	255.28	94.00	1092.00	1.16	-1.15	0.13	1.15	173.79	0.18	SlimPulse	2	0	0
6	1276.00	0.23	322.59	184.00	1276.00	0.86	-0.90	-0.25	0.92	195.61	0.12	SlimPulse	2	0	0
7	1367.00	0.43	309.50	91.00	1367.00	0.46	-0.54	-0.62	0.82	229.23	0.23	SlimPulse	2	0	0
8	1459.00	0.34	302.79	92.00	1458.99	0.04	-0.17	-1.11	1.12	261.21	0.11	SlimPulse	0	0	0
9	1551.00	1.67	65.76	92.00	1550.98	-0.54	0.53	-0.12	0.52	347.29	2.04	SlimPulse	0	0	0
10	1641.00	3.69	68.80	90.00	1640.88	-1.67	2.11	3.78	4.33	60.79	2.25	SlimPulse	0	0	0
11	1733.00	5.85	67.33	92.00	1732.55	-3.73	4.99	10.87	11.98	65.33	2.35	SlimPulse	0	0	0
12	1825.00	7.09	66.63	92.00	1823.97	-6.68	9.05	20.41	22.34	66.08	1.35	SlimPulse	0	0	0
13	1916.00	8.44	62.01	91.00	1914.13	-10.75	14.41	31.46	34.61	65.39	1.63	SlimPulse	0	0	0
14	2007.00	8.15	60.64	91.00	2004.18	-15.70	20.71	42.98	47.70	64.27	0.39	SlimPulse	0	0	0
15	2099.00	9.14	62.42	92.00	2095.13	-20.85	27.29	55.13	61.52	63.67	1.11	SlimPulse	0	0	0
16	2190.00	9.13	60.35	91.00	2184.98	-26.29	34.20	67.81	75.95	63.23	0.36	SlimPulse	0	0	0
17	2374.00	8.76	60.02	184.00	2366.74	-37.60	48.43	92.64	104.53	62.40	0.20	SlimPulse	0	0	0
18	2466.00	8.94	64.25	92.00	2457.65	-42.75	55.04	105.15	118.67	62.37	0.73	SlimPulse	0	0	0
19	2649.00	8.47	71.40	183.00	2638.54	-50.25	65.51	130.73	146.23	63.38	0.64	SlimPulse	0	0	0
20	2741.00	8.43	72.23	92.00	2729.54	-52.99	69.73	143.58	159.61	64.09	0.14	SlimPulse	0	0	0
21	2835.00	8.56	71.87	94.00	2822.51	-55.74	74.01	156.79	173.39	64.73	0.15	SlimPulse	0	0	0
22	2930.00	8.39	71.80	95.00	2916.47	-58.57	78.38	170.09	187.27	65.26	0.18	SlimPulse	0	0	0
23	3025.00	7.67	72.27	95.00	3010.54	-61.21	82.48	182.72	200.46	65.71	0.76	SlimPulse	0	0	0
24	3119.00	8.04	71.00	94.00	3103.66	-63.85	86.53	194.92	213.25	66.06	0.43	SlimPulse	0	0	0
25	3214.00	8.02	70.77	95.00	3197.73	-66.75	90.88	207.46	226.48	66.34	0.04	SlimPulse	0	0	0
26	3309.00	9.50	69.78	95.00	3291.62	-70.06	95.77	221.08	240.94	66.58	1.57	SlimPulse	0	0	0
27	3403.00	10.14	69.53	94.00	3384.24	-73.90	101.35	236.11	256.96	66.77	0.68	SlimPulse	0	0	0
28	3498.00	10.42	67.55	95.00	3477.71	-78.27	107.55	251.89	273.88	66.88	0.47	SlimPulse	0	0	0
29	3687.00	10.40	62.61	189.00	3663.61	-89.04	121.93	282.82	307.97	66.68	0.47	SlimPulse	0	0	0
30	3782.00	8.30	63.34	95.00	3757.34	-94.46	128.95	296.56	323.39	66.50	2.22	SlimPulse	0	0	0
31	3876.00	7.96	59.51	94.00	3850.40	-99.44	135.29	308.23	336.61	66.30	0.68	SlimPulse	0	0	0
32	3971.00	7.39	56.57	95.00	3944.54	-104.88	142.00	319.00	349.18	66.00	0.73	SlimPulse	0	0	0
33	4066.00	7.36	67.77	95.00	4038.76	-109.29	147.66	329.73	361.29	65.88	1.51	SlimPulse	0	0	0
34	4161.00	8.14	62.35	95.00	4132.90	-113.36	153.09	341.32	374.08	65.84	1.13	SlimPulse	0	0	0
35	4255.00	7.89	61.30	94.00	4225.98	-118.20	159.27	352.87	387.14	65.71	0.31	SlimPulse	0	0	0
36	4350.00	7.32	58.61	95.00	4320.14	-123.21	165.56	363.76	399.67	65.53	0.71	SlimPulse	0	0	0
37	4444.00	6.20	51.37	94.00	4413.49	-128.43	171.85	372.84	410.53	65.25	1.49	SlimPulse	0	0	0
38	4539.00	6.29	57.40	95.00	4507.93	-133.44	177.86	381.23	420.67	64.99	0.70	SlimPulse	0	0	0
39	4633.00	5.69	60.56	94.00	4601.41	-137.52	182.92	389.63	430.45	64.85	0.74	SlimPulse	0	0	0
40	4728.00	4.71	53.39	95.00	4696.02	-141.31	187.56	396.86	438.94	64.70	1.23	SlimPulse	0	0	0
41	4822.00	2.56	60.41	94.00	4789.83	-144.07	190.90	401.79	444.85	64.59	2.33	SlimPulse	0	0	0
42	4916.00	1.00	57.42	94.00	4883.78	-145.26	192.38	404.31	447.74	64.55	1.66	SlimPulse	0	0	0
43	5010.00	0.38	186.87	94.00	4977.77	-145.31	192.51	404.96	448.39	64.57	1.36	SlimPulse	0	0	0
44	5105.00	0.85	152.99	95.00	5072.77	-144.34	191.57	405.25	448.23	64.70	0.60	SlimPulse	0	0	0

	5100.00	0.00	102.00	90.00	5072.77	-144.04	101.07	100.20	110.20	01.70	0.00	SlimPulse	0	0	0
45	5199.00	0.71	135.66	94.00	5166.76	-143.23	190.53	405.97	448.46	64.86	0.29	SlimPulse	0	0	0
46	5293.00	1.88	172.52	94.00	5260.74	-141.23	188.58	406.57	448.20	65.12	1.47	SlimPulse	0	0	0
47	5389.00	9.85	175.96	96.00	5356.16	-131.43	178.81	407.36	444.88	66.30	8.30	SlimPulse	0	0	0
48	5483.00	18.55	176.25	94.00	5447.20	-108.41	155.82	408.91	437.60	69.14	9.26	SlimPulse	0	0	0
49	5577.00	26.40	177.48	94.00	5533.99	-72.57	119.97	410.81	427.95	73.72	8.37	SlimPulse	0	0	0
50	5672.00	35.49	178.65	95.00	5615.38	-23.93	71.19	412.39	418.50	80.21	9.59	SlimPulse	2	0	0
51	5766.00	46.07	174.92	94.00	5686.47	37.26	10.02	416.05	416.17	88.62	11.54	SlimPulse	2	0	0
52	5860.00	57.15	176.60	94.00	5744.76	110.76	-63.35	421.40	426.15	98.55	11.87	SlimPulse	2	0	0
53	5954.00	62.29	177.54	94.00	5792.14	191.75	-144.39	425.54	449.38	108.74	5.54	SlimPulse	2	0	0
54	6048.00	66.15	177.11	94.00	5833.01	276.18	-228.92	429.49	486.68	118.06	4.12	SlimPulse	2	0	0
55	6142.00	71.18	177.11	94.00	5867.20	363.54	-316.34	433.91	536.98	126.09	5.36	SlimPulse	2	0	0
56	6197.00	72.34	177.76	55.00	5884.41	415.65	-368.52	436.25	571.06	130.19	2.38	SlimPulse	2	0	0
57	6289.00	79.25	182.55	92.00	5906.99	504.14	-457.63	435.95	632.05	136.39	9.05	SlimPulse	0	0	0
58	6381.00	87.59	184.46	92.00	5917.52	594.06	-548.77	430.35	697.38	141.90	9.30	SlimPulse	0	0	0
59	6472.00	91.10	183.96	91.00	5918.56	683.45	-639.50	423.68	767.13	146.47	3.89	SlimPulse	0	0	0
60	6564.00	90.96	183.45	92.00	5916.90	773.97	-731.29	417.74	842.19	150.26	0.58	SlimPulse	0	0	0
61	6656.00	90.55	180.10	92.00	5915.69	864.99	-823.23	414.89	921.85	153.25	3.66	SlimPulse	0	0	0
62	6750.00	90.10	179.38	94.00	5915.15	958.43	-917.22	415.31	1006.86	155.64	0.91	SlimPulse	0	0	0
63	6845.00	90.65	178.97	95.00	5914.53	1052.96	-1012.21	416.68	1094.62	157.63	0.72	SlimPulse	0	0	0
64	6939.00	90.48	178.32	94.00	5913.59	1146.57	-1106.18	418.91	1182.84	159.26	0.71	SlimPulse	0	0	0
65	7034.00	90.58	176.72	95.00	5912.71	1241.33	-1201.08	423.02	1273.39	160.60	1.69	SlimPulse	0	0	0
66	7129.00	90.58	177.65	95.00	5911.74	1336.13	-1295.96	427.69	1364.70	161.74	0.98	SlimPulse	0	0	0
67	7223.00	91.31	175.63	94.00	5910.19	1429.96	-1389.78	433.20	1455.74	162.69	2.28	SlimPulse	0	0	0
68	7318.00	90.62	179.10	95.00	5908.60	1524.72	-1484.65	437.56	1547.80	163.58	3.73	SlimPulse	0	0	0
69	7412.00	91.00	176.36	94.00	5907.27	1618.44	-1578.56	441.28	1639.07	164.38	2.95	SlimPulse	0	0	0
70	7507.00	91.55	176.57	95.00	5905.16	1713.29	-1673.36	447.14	1732.05	165.04	0.62	SlimPulse	0	0	0
71	7601.00	90.31	177.41	94.00	5903.64	1807.10	-1767.21	452.07	1824.11	165.65	1.59	SlimPulse	0	0	0
72	7696.00	90.17	177.23	95.00	5903.24	1901.88	-1862.11	456.51	1917.26	166.23	0.23	SlimPulse	0	0	0
73	7790.00	89.62	177.60	94.00	5903.41	1995.66	-1956.01	460.75	2009.55	166.75	0.71	SlimPulse	0	0	0
74	7885.00	89.38	176.96	95.00	5904.24	2090.45	-2050.90	465.25	2103.02	167.22	0.73	SlimPulse	0	0	0
75	7979.00	89.76	178.63	94.00	5904.94	2184.18	-2144.82	468.87	2195.47	167.67	1.82	SlimPulse	0	0	0
76	8073.00	90.00	178.60	94.00	5905.14	2277.80	-2238.80	471.15	2287.83	168.12	0.26	SlimPulse	0	0	0
77	8168.00	88.80	179.26	95.00	5906.14	2372.36	-2333.77	472.92	2381.20	168.54	1.45	SlimPulse	0	0	0
78	8263.00	89.45	180.35	95.00	5907.59	2466.77	-2428.76	473.24	2474.44	168.97	1.33	SlimPulse	0	0	0
79	8357.00	89.59	180.23	94.00	5908.38	2560.11	-2522.75	472.77	2566.67	169.39	0.19	SlimPulse	0	0	0
80	8452.00	90.96	179.56	95.00	5907.93	2654.51	-2617.75	472.94	2660.14	169.76	1.61	SlimPulse	0	0	0
81	8547.00	90.69	178.73	95.00	5906.56	2749.04	-2712.73	474.37	2753.90	170.08	0.92	SlimPulse	0	0	0
82	8641.00	90.62	177.91	94.00	5905.49	2842.70	-2806.68	477.13	2846.95	170.35	0.87	SlimPulse	0	0	0
83	8736.00	90.34	177.57	95.00	5904.69	2937.43	-2901.60	480.88	2941.17	170.59	0.46	SlimPulse	0	0	0
84	8831.00	90.58	179.00	95.00	5903.92	3032.09	-2996.56	483.73	3035.33	170.83	1.53	SlimPulse	0	0	0
85	8926.00	90.86	178.95	95.00	5902.72	3126.65	-3091.53	485.43	3129.40	171.08	0.29	SlimPulse	0	0	0
86	9020.00	91.24	178.75	94.00	5901.00	3220.22	-3185.50	487.31	3222.57	171.30	0.45	SlimPulse	0	0	0
87	9115.00	89.76	177.64	95.00	5900.17	3314.89	-3280.44	490.30	3316.90	171.50	1.94	SlimPulse	0	0	0
88	9209.00	88.97	174.95	94.00	5901.22	3408.76	-3374.23	496.38	3410.53	171.63	2.99	SlimPulse	0	0	0
89	9303.00	89.66	179.06	94.00	5902.34	3502.56	-3468.08	501.29	3504.10	171.78	4.43	SlimPulse	0	0	0
90	9398.00	88.97	177.81	95.00	5903.48	3597.20	-3563.03	503.89	3598.49	171.95	1.50	SlimPulse	0	0	0
91	9493.00	88.59	177.05	95.00	5905.51	3691.95	-3657.91	508.15	3693.04	172.09	0.89	SlimPulse	0	0	0
92	9587.00	89.69	178.01	94.00	5906.92	3785.70	-3751.81	512.20	3786.61	172.23	1.56	SlimPulse	0	0	0
93	9682.00	90.86	182.36	95.00	5906.46	3880.03	-3846.79	511.89	3880.71	172.42	4.74	SlimPulse	0	0	0
94	9777.00	90.69	182.64	95.00	5905.18	3973.84	-3941.69	507.75	3974.25	172.66	0.35	SlimPulse	0	0	0
95	9871.00	89.86	180.34	94.00	5904.73	4066.92	-4035.65	505.30	4067.16	172.86	2.60	SlimPulse	0	0	0

96	9966.00	89.07	180.19	95.00	5905.61	4161.25	-4130.64	504.86	4161.38	173.03	0.85	SlimPulse	0	0	0
97	10017.00	89.07	180.19	51.00	5906.44	4211.89	-4181.63	504.70	4211.98	173.12	0.01	Other	9	0	7

Calibration Report	
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SPULSE-GEN (SlimPulse with Generic Collar) Calibration - Run Run01
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Primary Equipment :			
Elec. cartridge, 150C max with GR	SPEC	879	

GRGain - Gamma Ray: Blanket

Master (Time Frame File):	12:00:00 30-Oct-2015
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Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Gamma Ray Calibration Gain		Master	1.0000	0.9000	1.0983	1.1000		

SPULSE-GEN (SlimPulse with Generic Collar) Calibration - Run Run03
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Primary Equipment :	
Elec. cartridge, 150C max with GR	SPEC

GRGain - Gamma Ray: Blanket

Master (Time Frame File):	12:00:00 20-Nov-2015
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Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Gamma Ray Calibration Gain		Master	1.0000	0.9000	1.0258	1.1000		

Company: Noble Energy

Well: Remora LC34-715

Field: Wildcat

County: Weld

State: Colorado

Country: USA



SlimPulse-Gamma Ray

1 in./ 100 ft True Vertical Depth

Recorded Mode, Composite Log