

Sandridge Energy

Sean 3119 4-18H (Final)

Sean 3119 4-18H SL 200 FSL, 2280 FWL

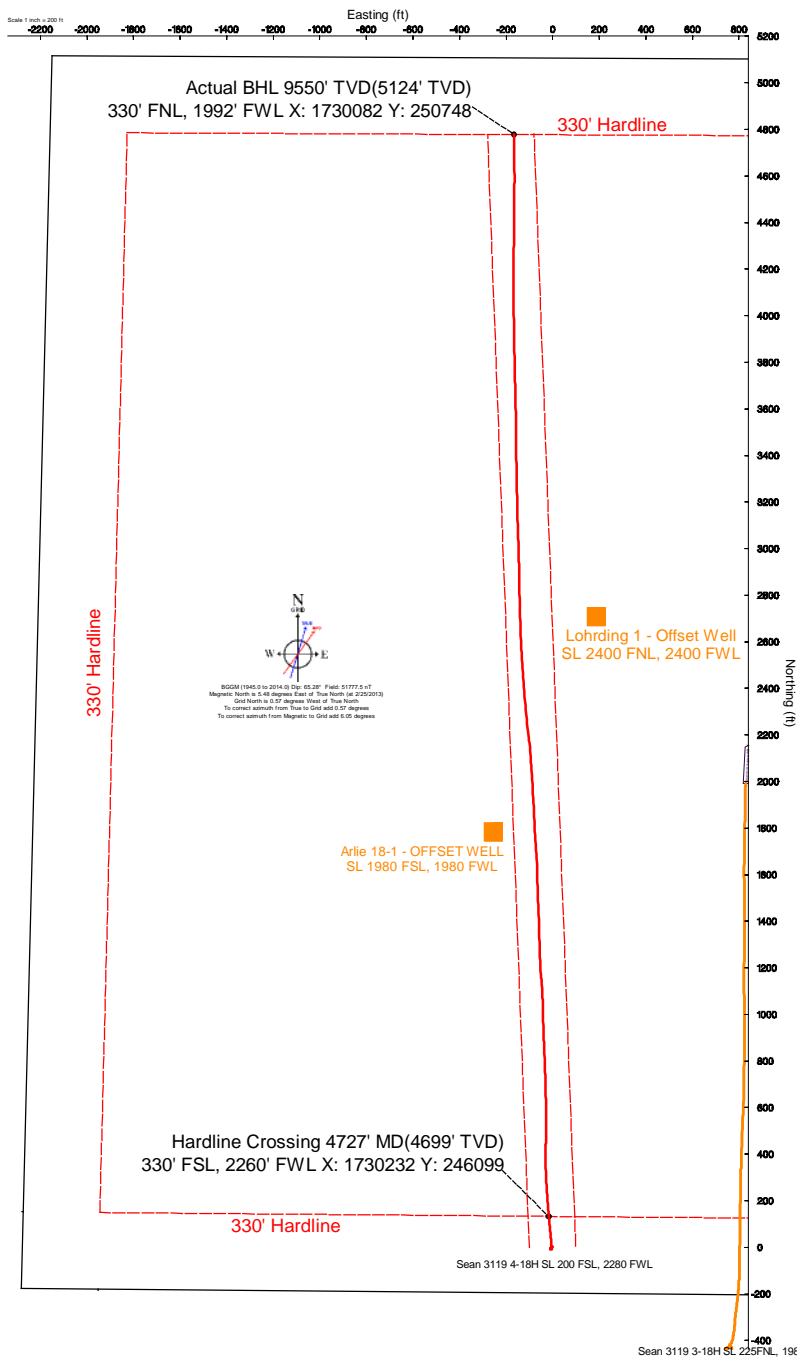
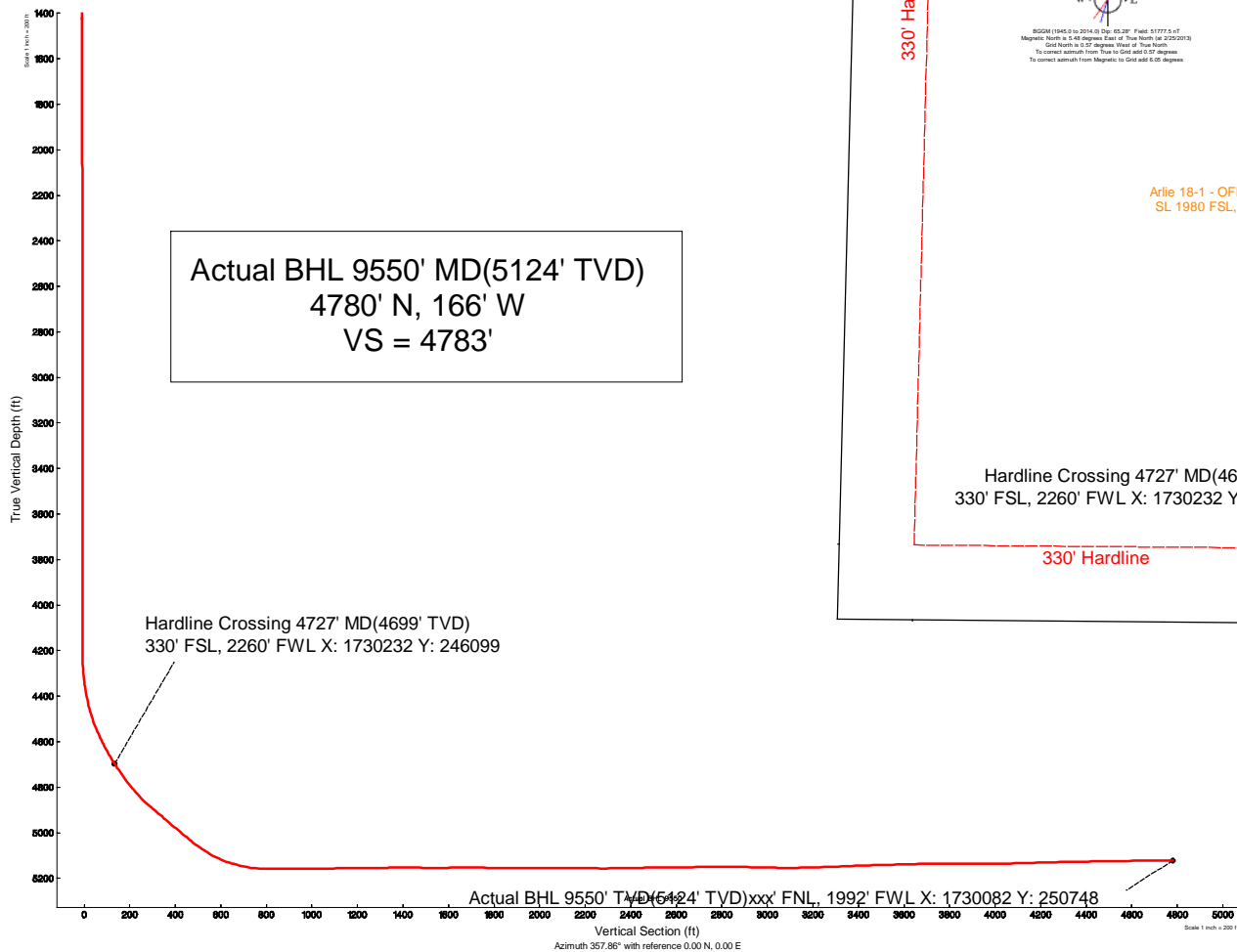
Comanche County, Kansas (Sandridge Energy) NAD27 / Grid

Plot reference wellpath is Plan 2

True vertical depths are referenced to Lariat 38 (KB)	Grid System: NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet
Measured depths are referenced to Lariat 38 (KB)	North Reference: Grid north
Lariat 38 (KB) to Mean Sea Level: 2144 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Sean 3119 4-18H SL 200 FSL, 2280 FWL): -2124 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: broomart on 3/14/2013

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude		
Sean 3119 4-18H Sec. 18-31S-19W	1730248.000	245968.000	37°20'18.608"N	99°25'40.223"W		
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Sean 3119 4-18H SL 200 FSL, 2280 FWL	0.00	0.00	1730248.000	245968.000	37°20'18.608"N	99°25'40.223"W
Lariat 38 (KB) to Mud line (At Slot: Sean 3119 4-18H SL 200 FSL, 2280 FWL)						20ft
Mean Sea Level to Mud line (At Slot: Sean 3119 4-18H SL 200 FSL, 2280 FWL)						-2124ft
Lariat 38 (KB) to Mean Sea Level						2144ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Sean 3119 4-18H SL 200 FSL, 2280 FWL
Area	Kansas	Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Sean 3119 4-18H Actual
Facility	Sean 3119 4-18H Sec. 18-31S-19W		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet		
North Reference	Grid	Software System	WellArchitect 3.0.0
Convergence at slot	0.57° West	User	Broomarl
Scale	0.999987	Report Generated	3/26/2013 at 2:57:43 PM
Wellbore last revised	02-25-2013	Database/Source file	WA_OklahomaCity

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	1730248.00	245968.00	37°20'18.608"N	99°25'40.223"W
Facility Reference Pt			1730248.00	245968.00	37°20'18.608"N	99°25'40.223"W
Field Reference Pt			1773194.47	191302.75	37°11'22.030"N	99°16'42.810"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Lariat 38 (KB) to Facility Vertical Datum	20.00ft
Horizontal Reference Pt	Slot	Lariat 38 (KB) to Mean Sea Level	2144.00ft
Vertical Reference Pt	Lariat 38 (KB)	Lariat 38 (KB) to Mud Line at Slot (Sean 3119 4-18H SL 200 FSL, 2280 FWL)	20.00ft
MD Reference Pt	Lariat 38 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	357.86°

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Facility	Sean 3119 4-18H Sec. 18-31S-19W			

WELLPATH DATA (100 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
0.00	0.000	215.420	0.00	0.00	0.00	0.00	1730248.00	245968.00	0.00	
20.00	0.000	215.420	20.00	0.00	0.00	0.00	1730248.00	245968.00	0.00	
255.00	0.300	215.420	255.00	-0.49	-0.50	-0.36	1730247.64	245967.50	0.13	
516.00	0.800	215.420	515.99	-2.47	-2.54	-1.81	1730246.19	245965.46	0.19	
758.00	0.900	215.420	757.96	-5.32	-5.47	-3.89	1730244.11	245962.53	0.04	
1001.00	1.200	215.420	1000.92	-8.85	-9.10	-6.47	1730241.53	245958.90	0.12	
1181.00	0.340	215.420	1180.90	-10.77	-11.07	-7.87	1730240.13	245956.93	0.48	
1632.00	0.110	171.030	1631.90	-12.26	-12.59	-8.58	1730239.42	245955.41	0.06	
2089.00	0.560	30.570	2088.89	-10.81	-11.10	-7.38	1730240.62	245956.90	0.14	
2547.00	0.110	277.340	2546.88	-8.86	-9.11	-6.67	1730241.33	245958.89	0.13	
3005.00	0.230	229.090	3004.88	-9.36	-9.66	-7.80	1730240.20	245958.34	0.04	
3463.00	0.330	107.490	3462.88	-10.38	-10.66	-7.24	1730240.76	245957.34	0.11	
3924.00	0.150	344.410	3923.88	-10.24	-10.48	-6.14	1730241.86	245957.52	0.09	
4200.00	0.250	61.610	4199.87	-9.62	-9.84	-5.70	1730242.30	245958.16	0.09	
4260.00	1.680	0.220	4259.87	-8.68	-8.90	-5.59	1730242.41	245959.10	2.63	
4291.00	4.070	359.770	4290.82	-7.13	-7.35	-5.59	1730242.41	245960.65	7.71	
4321.00	6.450	0.070	4320.70	-4.38	-4.60	-5.59	1730242.41	245963.41	7.93	
4352.00	8.190	0.460	4351.44	-0.44	-0.65	-5.57	1730242.43	245967.35	5.62	
4382.00	9.550	0.660	4381.08	4.18	3.98	-5.53	1730242.48	245971.98	4.53	
4412.00	11.260	0.380	4410.59	9.60	9.40	-5.48	1730242.52	245977.40	5.70	
4443.00	13.150	358.830	4440.89	16.15	15.95	-5.53	1730242.47	245983.95	6.19	
4473.00	16.090	356.540	4469.91	23.72	23.51	-5.85	1730242.15	245991.51	9.99	
4505.00	19.070	355.760	4500.41	33.38	33.16	-6.50	1730241.50	246001.15	9.34	
4535.00	21.140	355.240	4528.58	43.68	43.43	-7.32	1730240.69	246011.43	6.93	
4565.00	23.340	354.520	4556.35	55.02	54.74	-8.33	1730239.67	246022.74	7.39	
4596.00	25.590	354.010	4584.57	67.83	67.52	-9.62	1730238.38	246035.51	7.29	
4626.00	27.400	353.890	4611.41	81.18	80.82	-11.03	1730236.97	246048.82	6.04	
4657.00	28.760	354.060	4638.76	95.74	95.34	-12.56	1730235.44	246063.33	4.39	
4687.00	30.040	354.340	4664.90	110.44	109.99	-14.05	1730233.95	246077.98	4.29	
4718.00	31.840	354.430	4691.49	126.34	125.85	-15.61	1730232.39	246093.85	5.81	
4727.00	32.421	354.716	4699.11	131.12	130.61	-16.06	1730231.94	246098.61	6.68	Hardline Crossing 4727' MD(4699' TVD)330' FSL, 2260' FWL X: 1730232.39
4748.00	33.780	355.350	4716.70	142.58	142.04	-17.05	1730230.95	246110.04	6.68	
4779.00	34.910	355.930	4742.30	160.05	159.48	-18.38	1730229.62	246127.47	3.79	
4809.00	36.810	356.000	4766.61	177.62	177.01	-19.61	1730228.39	246145.00	6.33	
4839.00	38.210	356.340	4790.41	195.87	195.23	-20.83	1730227.17	246163.23	4.72	
4870.00	40.240	356.500	4814.42	215.47	214.80	-22.06	1730225.94	246182.79	6.56	
4900.00	42.670	356.060	4836.90	235.32	234.61	-23.35	1730224.65	246202.61	8.16	
4931.00	45.460	356.190	4859.17	256.87	256.12	-24.80	1730223.20	246224.12	9.00	
4961.00	48.270	356.600	4879.68	278.75	277.97	-26.18	1730221.82	246245.96	9.42	
4992.00	50.490	357.370	4899.86	302.28	301.46	-27.41	1730220.59	246269.46	7.41	
5053.00	49.780	359.060	4938.97	349.10	348.26	-28.88	1730219.13	246316.25	2.42	
5113.00	49.840	0.420	4977.69	394.90	394.09	-29.08	1730218.92	246362.09	1.73	
5144.00	49.860	0.490	4997.68	418.57	417.79	-28.89	1730219.11	246385.78	0.18	
5174.00	49.710	0.830	5017.04	441.46	440.69	-28.63	1730219.37	246408.69	1.00	
5205.00	50.630	0.780	5036.90	465.23	464.50	-28.30	1730219.70	246432.49	2.97	

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Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid		Wellbore	Sean 3119 4-18H Actual
Facility	Sean 3119 4-18H Sec. 18-31S-19W			

WELLPATH DATA (100 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
5235.00	53.210	0.390	5055.40	488.82	488.11	-28.06	1730219.94	246456.10	8.66	
5266.00	56.090	0.100	5073.34	514.08	513.39	-27.95	1730220.05	246481.38	9.32	
5296.00	58.930	0.080	5089.45	539.36	538.69	-27.91	1730220.09	246506.68	9.47	
5326.00	62.440	359.680	5104.13	565.50	564.85	-27.97	1730220.03	246532.84	11.76	
5356.00	65.650	359.550	5117.26	592.45	591.82	-28.15	1730219.85	246559.81	10.71	
5386.00	68.930	359.590	5128.84	620.11	619.49	-28.36	1730219.64	246587.48	10.93	
5416.00	73.090	359.100	5138.60	648.46	647.84	-28.68	1730219.32	246615.83	13.95	
5447.00	76.420	358.760	5146.75	678.36	677.74	-29.24	1730218.76	246645.73	10.79	
5508.00	83.370	357.990	5157.45	738.38	737.74	-30.95	1730217.05	246705.72	11.46	
5539.00	87.230	357.990	5159.99	769.27	768.61	-32.03	1730215.97	246736.60	12.45	
5567.00	89.630	357.730	5160.76	797.25	796.58	-33.08	1730214.93	246764.56	8.62	
5650.00	90.120	357.200	5160.94	880.25	879.49	-36.75	1730211.25	246847.48	0.87	
5742.00	90.520	359.150	5160.42	972.24	971.44	-39.68	1730208.32	246939.43	2.16	
5833.00	90.680	357.630	5159.47	1063.23	1062.40	-42.23	1730205.77	247030.38	1.68	
5925.00	89.940	355.130	5158.97	1155.19	1154.20	-48.04	1730199.96	247122.19	2.83	
6018.00	90.930	357.730	5158.27	1248.15	1247.01	-53.83	1730194.17	247214.99	2.99	
6109.00	91.690	359.020	5156.19	1339.12	1337.95	-56.41	1730191.59	247305.93	1.64	
6201.00	88.920	357.080	5155.70	1431.11	1429.88	-59.54	1730188.46	247397.86	3.68	
6293.00	89.510	358.070	5156.96	1523.10	1521.79	-63.43	1730184.57	247489.76	1.25	
6385.00	91.540	358.900	5156.11	1615.08	1613.75	-65.87	1730182.14	247581.72	2.38	
6476.00	89.200	355.570	5155.53	1706.05	1704.62	-70.26	1730177.75	247672.59	4.47	
6568.00	89.200	356.970	5156.81	1798.01	1796.41	-76.24	1730171.76	247764.39	1.52	
6663.00	89.850	357.410	5157.60	1893.00	1891.30	-80.90	1730167.10	247859.27	0.83	
6758.00	89.660	356.130	5158.00	1987.98	1986.14	-86.25	1730161.75	247954.11	1.36	
6853.00	91.080	356.940	5157.39	2082.95	2080.96	-91.99	1730156.01	248048.93	1.72	
6948.00	88.400	352.990	5157.82	2177.80	2175.57	-100.33	1730147.68	248143.53	5.02	
7043.00	89.970	353.940	5159.17	2272.51	2269.94	-111.14	1730136.87	248237.90	1.93	
7138.00	91.450	355.660	5158.00	2367.36	2364.53	-119.74	1730128.26	248332.50	2.39	
7233.00	90.650	355.860	5156.26	2462.28	2459.26	-126.77	1730121.23	248427.22	0.87	
7328.00	90.800	357.050	5155.05	2557.24	2554.06	-132.64	1730115.36	248522.03	1.26	
7423.00	90.620	357.680	5153.88	2652.23	2648.96	-137.01	1730110.99	248616.92	0.69	
7518.00	90.710	358.480	5152.77	2747.22	2743.90	-140.19	1730107.81	248711.85	0.85	
7613.00	89.660	359.420	5152.47	2842.20	2838.88	-141.93	1730106.07	248806.83	1.48	
7708.00	88.490	358.230	5154.00	2937.17	2933.84	-143.88	1730104.12	248901.80	1.76	
7803.00	89.020	358.440	5156.06	3032.14	3028.78	-146.64	1730101.36	248996.73	0.60	
7832.00	88.890	357.940	5156.59	3061.14	3057.76	-147.55	1730100.45	249025.71	1.78	
7927.00	91.700	358.390	5156.10	3156.13	3152.70	-150.60	1730097.41	249120.65	3.00	
8022.00	91.940	359.160	5153.09	3251.07	3247.63	-152.63	1730095.38	249215.58	0.85	
8117.00	92.590	358.750	5149.33	3345.97	3342.54	-154.36	1730093.65	249310.49	0.81	
8212.00	91.570	359.010	5145.88	3440.89	3437.46	-156.21	1730091.79	249405.40	1.11	
8307.00	91.470	359.610	5143.36	3535.83	3532.42	-157.36	1730090.65	249500.36	0.64	
8402.00	91.970	358.770	5140.51	3630.76	3627.36	-158.70	1730089.30	249595.31	1.03	
8497.00	89.660	358.580	5139.16	3725.73	3722.32	-160.89	1730087.11	249690.26	2.44	
8592.00	90.000	358.820	5139.44	3820.72	3817.30	-163.05	1730084.95	249785.24	0.44	
8687.00	89.970	359.030	5139.47	3915.71	3912.28	-164.83	1730083.17	249880.22	0.22	

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Facility	Sean 3119 4-18H Sec. 18-31S-19W			

WELLPATH DATA (100 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
8782.00	91.110	359.200	5138.57	4010.68	4007.26	-166.30	1730081.70	249975.20	1.21	
8877.00	91.570	359.960	5136.35	4105.61	4102.23	-167.00	1730081.01	250070.17	0.93	
8972.00	91.700	0.060	5133.64	4200.50	4197.19	-166.98	1730081.02	250165.13	0.17	
9067.00	91.390	0.830	5131.08	4295.37	4292.15	-166.24	1730081.76	250260.09	0.87	
9162.00	90.800	0.760	5129.26	4390.23	4387.13	-164.92	1730083.08	250355.06	0.63	
9257.00	91.330	0.410	5127.50	4485.10	4482.11	-163.95	1730084.05	250450.04	0.67	
9352.00	90.310	0.190	5126.14	4580.00	4577.09	-163.46	1730084.55	250545.02	1.10	
9447.00	90.520	359.170	5125.45	4674.95	4672.09	-163.99	1730084.02	250640.02	1.10	
9515.00	90.680	359.190	5124.74	4742.93	4740.08	-164.96	1730083.04	250708.01	0.24	
9555.00	90.680	359.190	5124.26	4782.92	4780.07	-165.53	1730082.48	250748.00	0.00	Actual BHL 9550' TVD(5124' TVD)xxx' FNL, 1992' FWL X: 1730082

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BHL 330' FNL, 1980' FWL		5130.60	4780.07	-179.00	1730069.00	250748.00	37°21'05.849"N	99°25'43.029"W	point

WELLPATH COMPOSITION - Ref Wellbore: Sean 3119 4-18H Actual Ref Wellpath: AWP - Final				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1001.00	Generic gyro - northseeking (Standard)	Gyro Surveys	Sean 3119 4-18H Actual
1001.00	9515.00	NaviTrak (Standard)	INTEQ MWD	Sean 3119 4-18H Actual
9515.00	9555.00	Blind Drilling (std)	Projection to bit	Sean 3119 4-18H Actual