

Sandridge Energy

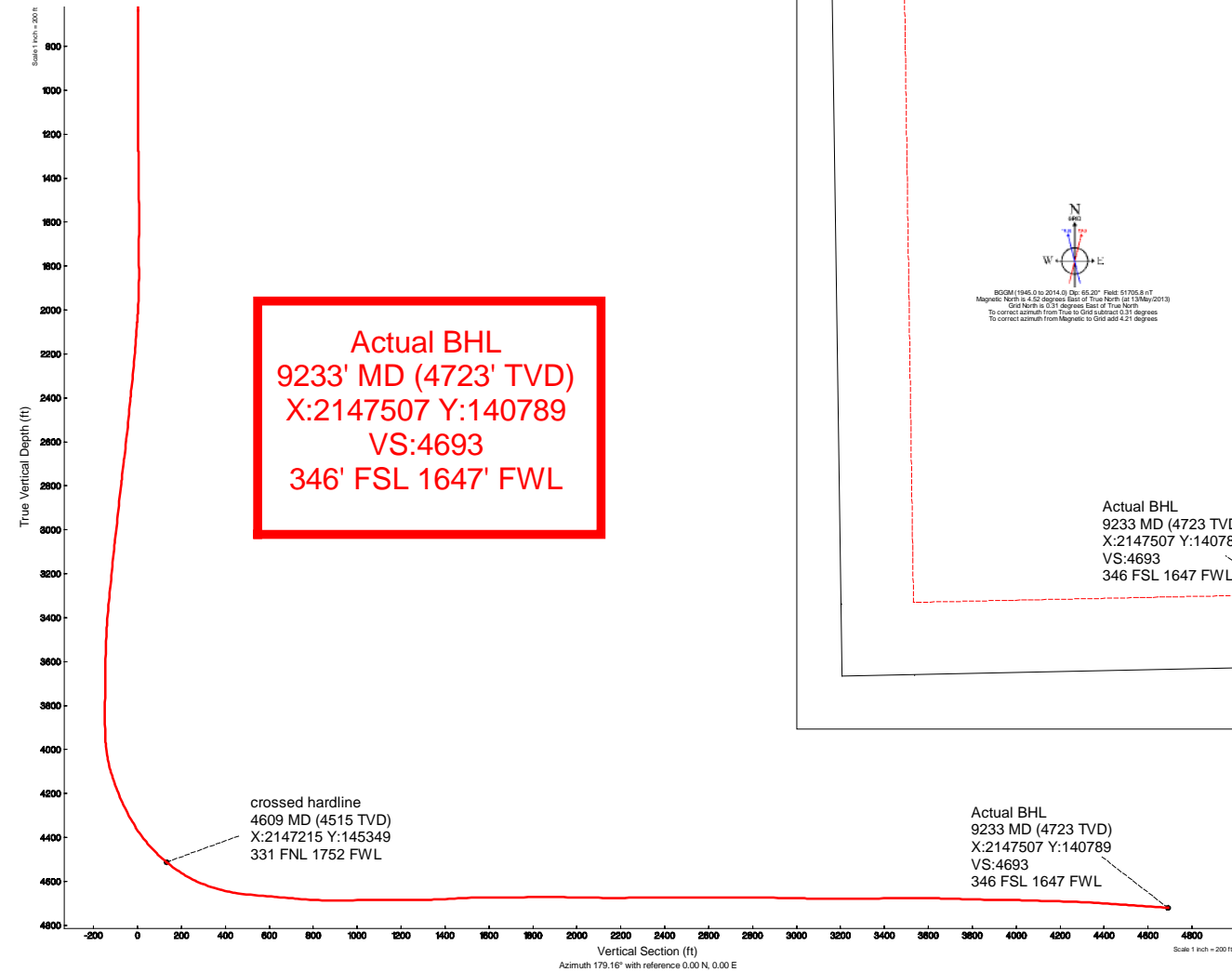
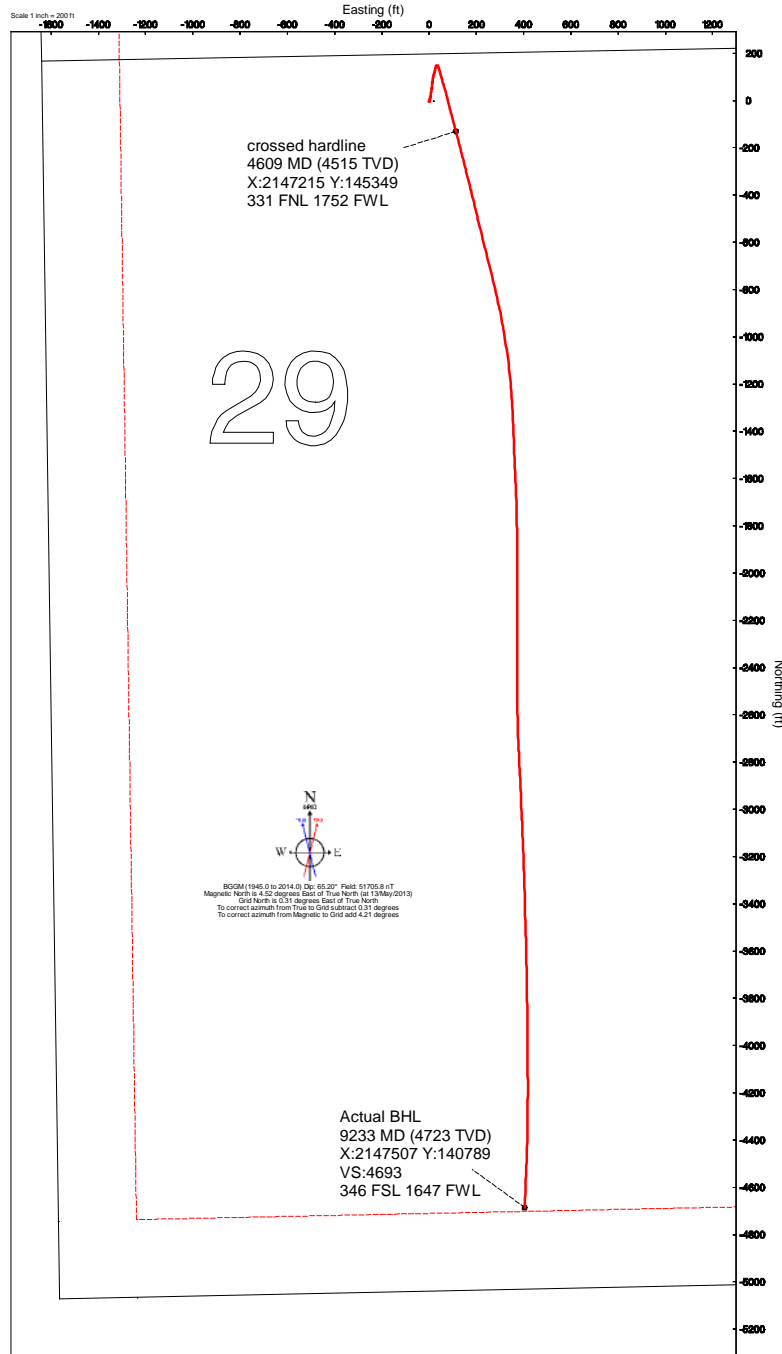
Taylor 3406 3-29H (Unit 310) (Final)
Taylor 3406 3-29H (Unit 310)

Harper County, Kansas (Sandridge Energy) NAD27 / Grid

Plot reference wellpath is Taylor 3406 3-29H Plan 1		Grid System: NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet
True vertical depths are referenced to Unit 310 (RT)		North Reference: Grid north
Measured depths are referenced to Unit 310 (RT)		Scale: True distance
Unit 310 (RT) to Mean Sea Level: 1310 feet		Depths are in feet
Mean Sea Level to Mud line (At Slot: Taylor 3406 3-29H (Unit 310)): -1295 feet		Created by: bouglac on 18/May/2013
Coordinates are in feet referenced to Slot		

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Britt 4-20H and Taylor 3-29H PAD Sec 29-34S-6W	2147121.000	145477.000	37°03'54.375"N	97°59'44.951"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Taylor 3406 3-29H (Unit 310)	0.00	-20.00	2147101.000	145477.000
Unit 310 (RT) to Mud line (At Slot: Taylor 3406 3-29H (Unit 310))		15ft	37°03'54.376"N 97°59'45.197"W	
Mean Sea Level to Mud line (At Slot: Taylor 3406 3-29H (Unit 310))		-1295ft		
Unit 310 (RT) to Mean Sea Level		1310ft		





Actual Wellpath Report

Sandridge Taylor 3406 3-29H (Unit 310)_Final Surveys.
Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Taylor 3406 3-29H (Unit 310)
Area	Kansas	Well	Taylor 3-29H SL(200 FNL, 1640 FWL) Sec 29
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Actual Taylor 3406 3-29H
Facility	Britt 4-20H and Taylor 3-29H PAD Sec 29-34S-6W		

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	0.31° East	User	Adammic
Scale	1.00005	Report Generated	12/Jun/2013 at 4:28:21 PM
Wellbore last revised	05-13-2013	Database/Source file	intokcapp01

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	-20.00	2147101.00	145477.00	37°03'54.376"N	97°59'45.197"W
Facility Reference Pt			2147121.00	145477.00	37°03'54.375"N	97°59'44.951"W
Field Reference Pt			2132248.82	161602.28	37°06'34.560"N	98°02'47.460"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Unit 310 (RT) to Facility Vertical Datum	15.00ft
Horizontal Reference Pt	Slot	Unit 310 (RT) to Mean Sea Level	1310.00ft
Vertical Reference Pt	Unit 310 (RT)	Unit 310 (RT) to Mud Line at Slot (Taylor 3406 3-29H (Unit 310))	15.00ft
MD Reference Pt	Unit 310 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.16°



Actual Wellpath Report

Sandridge Taylor 3406 3-29H (Unit 310)_Final Surveys.
Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Taylor 3406 3-29H (Unit 310)
Area	Kansas	Well	Taylor 3-29H SL(200 FNL, 1640 FWL) Sec 29
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Actual Taylor 3406 3-29H
Facility	Britt 4-20H and Taylor 3-29H PAD Sec 29-34S-6W		

WELLPATH DATA (133 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]	Comments
0.00†	0.000	245.850	0.00	0.00	0.00	0.00	2147101.00	145477.00	0.00	
15.00	0.000	245.850	15.00	0.00	0.00	0.00	2147101.00	145477.00	0.00	
250.00	0.250	245.850	250.00	0.20	-0.21	-0.47	2147100.53	145476.79	0.11	
500.00	0.250	245.850	500.00	0.63	-0.66	-1.46	2147099.54	145476.34	0.00	
680.00	0.250	245.850	680.00	0.95	-0.98	-2.18	2147098.82	145476.02	0.00	
728.00	0.740	245.850	727.99	1.11	-1.15	-2.56	2147098.44	145475.85	1.02	
820.00	0.420	329.170	819.99	1.05	-1.10	-3.27	2147097.73	145475.90	0.88	
911.00	0.490	324.670	910.99	0.44	-0.50	-3.67	2147097.33	145476.50	0.09	
1003.00	0.030	317.490	1002.99	0.10	-0.16	-3.91	2147097.09	145476.84	0.50	
1095.00	0.340	162.770	1094.99	0.34	-0.40	-3.85	2147097.15	145476.60	0.40	
1186.00	0.180	120.280	1185.98	0.68	-0.73	-3.64	2147097.35	145476.27	0.26	
1278.00	1.580	114.650	1277.97	1.30	-1.33	-2.37	2147098.63	145475.67	1.52	
1369.00	0.990	166.550	1368.95	2.61	-2.62	-1.04	2147099.96	145474.38	1.37	
1461.00	0.400	169.650	1460.94	3.70	-3.71	-0.80	2147100.20	145473.29	0.64	
1553.00	0.220	220.890	1552.94	4.15	-4.16	-0.86	2147100.14	145472.84	0.34	
1645.00	0.280	349.070	1644.94	4.06	-4.07	-1.02	2147099.98	145472.93	0.49	
1737.00	0.060	190.680	1736.94	3.88	-3.90	-1.07	2147099.93	145473.10	0.37	
1832.00	0.350	118.460	1831.94	4.07	-4.09	-0.82	2147100.18	145472.91	0.35	
1895.00	0.860	26.090	1894.94	3.75	-3.75	-0.45	2147100.55	145473.25	1.49	
1927.00	1.770	20.840	1926.93	3.07	-3.08	-0.16	2147100.84	145473.92	2.87	
1958.00	2.670	18.500	1957.91	1.95	-1.94	0.23	2147101.23	145475.06	2.92	
1990.00	3.550	20.810	1989.86	0.32	-0.31	0.82	2147101.82	145476.69	2.78	
2022.00	4.380	20.830	2021.78	-1.73	1.76	1.61	2147102.61	145478.76	2.59	
2053.00	4.950	17.730	2052.68	-4.10	4.14	2.44	2147103.44	145481.14	2.01	
2117.00	4.440	14.560	2116.46	-9.11	9.17	3.90	2147104.90	145486.17	0.89	
2180.00	4.380	13.280	2179.28	-13.79	13.87	5.07	2147106.07	145490.87	0.18	
2211.00	4.730	14.670	2210.18	-16.17	16.26	5.66	2147106.66	145493.26	1.18	
2243.00	5.310	10.270	2242.06	-18.90	18.99	6.26	2147107.26	145495.99	2.17	
2306.00	5.840	8.000	2304.76	-24.92	25.03	7.23	2147108.23	145502.03	0.91	
2369.00	5.840	5.620	2367.43	-31.28	31.40	7.99	2147108.99	145508.40	0.38	
2401.00	5.550	7.050	2399.27	-34.43	34.55	8.34	2147109.34	145511.55	1.01	
2464.00	5.420	12.280	2461.99	-40.34	40.48	9.34	2147110.34	145517.48	0.82	
2496.00	5.660	12.150	2493.84	-43.35	43.50	10.00	2147111.00	145520.50	0.75	
2591.00	6.530	6.920	2588.30	-53.27	53.44	11.63	2147112.63	145530.45	1.09	
2686.00	6.630	3.230	2682.67	-64.09	64.28	12.59	2147113.59	145541.29	0.46	
2781.00	6.680	6.550	2777.03	-75.04	75.25	13.53	2147114.53	145552.25	0.41	
2876.00	6.240	9.100	2871.43	-85.61	85.83	14.98	2147115.98	145562.84	0.55	
2971.00	6.340	10.170	2965.86	-95.84	96.10	16.72	2147117.72	145573.10	0.16	
3066.00	6.610	11.510	3060.25	-106.33	106.62	18.74	2147119.74	145583.62	0.33	
3160.00	5.960	19.670	3153.69	-116.19	116.51	21.46	2147122.46	145593.52	1.17	
3255.00	5.490	13.180	3248.22	-125.21	125.58	24.16	2147125.16	145602.59	0.84	
3350.00	5.810	12.280	3342.75	-134.31	134.71	26.22	2147127.22	145611.71	0.35	
3445.00	4.160	19.350	3437.39	-142.22	142.66	28.38	2147129.38	145619.66	1.85	
3540.00	2.130	36.580	3532.25	-146.86	147.33	30.58	2147131.58	145624.33	2.33	
3635.00	1.280	56.570	3627.20	-148.83	149.33	32.51	2147133.51	145626.33	1.08	



Actual Wellpath Report

Sandridge Taylor 3406 3-29H (Unit 310)_Final Surveys.
Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Taylor 3406 3-29H (Unit 310)
Area	Kansas	Well	Taylor 3-29H SL(200 FNL, 1640 FWL) Sec 29
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Actual Taylor 3406 3-29H
Facility	Britt 4-20H and Taylor 3-29H PAD Sec 29-34S-6W		

WELLPATH DATA (133 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]	Comments
3730.00	1.140	51.770	3722.18	-149.98	150.50	34.14	2147135.14	145627.50	0.18	
3824.00	0.680	59.100	3816.17	-150.83	151.36	35.35	2147136.36	145628.37	0.50	
3919.00	1.020	134.010	3911.16	-150.51	151.06	36.45	2147137.45	145628.07	1.12	
3950.00	3.280	152.010	3942.14	-149.53	150.09	37.06	2147138.06	145627.10	7.52	
3982.00	5.460	156.790	3974.04	-147.31	147.88	38.09	2147139.09	145624.89	6.90	
4014.00	7.600	159.570	4005.84	-143.90	144.50	39.43	2147140.43	145621.51	6.76	
4046.00	10.510	160.430	4037.43	-139.15	139.76	41.15	2147142.15	145616.77	9.10	
4077.00	13.270	160.970	4067.76	-133.09	133.74	43.25	2147144.26	145610.74	8.91	
4108.00	16.210	163.770	4097.74	-125.53	126.22	45.62	2147146.63	145603.22	9.76	
4140.00	19.130	165.340	4128.23	-116.13	116.85	48.20	2147149.20	145593.86	9.24	
4171.00	20.200	165.240	4157.42	-106.01	106.76	50.85	2147151.85	145583.77	3.45	
4203.00	21.820	164.160	4187.29	-94.90	95.70	53.88	2147154.88	145572.70	5.20	
4234.00	24.040	163.840	4215.84	-83.24	84.09	57.21	2147158.21	145561.09	7.17	
4266.00	25.340	163.850	4244.91	-70.35	71.25	60.93	2147161.93	145548.25	4.06	
4297.00	26.620	163.800	4272.78	-57.25	58.21	64.71	2147165.71	145535.21	4.13	
4329.00	28.730	164.490	4301.12	-42.90	43.91	68.77	2147169.77	145520.91	6.67	
4360.00	31.100	165.430	4327.99	-27.91	28.98	72.78	2147173.78	145505.98	7.79	
4392.00	33.320	166.260	4355.06	-11.31	12.44	76.94	2147177.95	145489.44	7.07	
4424.00	35.440	166.360	4381.47	6.30	-5.11	81.22	2147182.22	145471.89	6.63	
4455.00	38.310	166.070	4406.26	24.43	-23.18	85.65	2147186.66	145453.82	9.28	
4487.00	41.140	164.990	4430.87	44.30	-42.97	90.77	2147191.77	145434.02	9.10	
4518.00	43.810	164.560	4453.74	64.58	-63.17	96.27	2147197.27	145413.83	8.66	
4550.00	46.560	164.430	4476.29	86.54	-85.04	102.33	2147203.34	145391.95	8.60	
4581.00	49.090	164.660	4497.10	108.76	-107.18	108.46	2147209.46	145369.81	8.18	
4609.00†	51.382	165.003	4515.01	129.62	-127.96	114.09	2147215.09	145349.04	8.24	crossed hardline 4609 MD (4515 TVD) X:2147215 Y:145349 331 FNL 1752 FWL
4613.00	51.710	165.050	4517.50	132.65	-130.98	114.90	2147215.90	145346.01	8.24	
4645.00	54.310	165.410	4536.75	157.46	-155.70	121.41	2147222.41	145321.30	8.17	
4677.00	56.820	165.660	4554.84	183.11	-181.25	128.00	2147229.01	145295.74	7.87	
4708.00	59.560	165.710	4571.18	208.73	-206.77	134.51	2147235.52	145270.22	8.84	
4740.00	62.630	165.720	4586.65	235.97	-233.92	141.42	2147242.43	145243.07	9.59	
4772.00	65.670	165.930	4600.60	263.99	-261.84	148.48	2147249.48	145215.15	9.52	
4803.00	68.640	166.060	4612.63	291.80	-289.55	155.39	2147256.39	145187.44	9.59	
4835.00	70.940	165.830	4623.69	321.03	-318.68	162.68	2147263.69	145158.31	7.22	
4867.00	73.590	165.720	4633.43	350.68	-348.22	170.17	2147271.18	145128.76	8.29	
4898.00	76.170	165.900	4641.52	379.80	-377.23	177.51	2147278.51	145099.75	8.34	
4930.00	78.220	166.460	4648.61	410.20	-407.53	184.96	2147285.97	145069.45	6.63	
4961.00	80.160	166.670	4654.42	439.92	-437.15	192.03	2147293.04	145039.83	6.29	
4993.00	82.560	166.880	4659.23	470.82	-467.94	199.27	2147300.28	145009.04	7.53	
5025.00	85.230	166.200	4662.63	501.86	-498.88	206.68	2147307.68	144978.09	8.61	
5056.00	85.410	166.270	4665.16	531.98	-528.89	214.03	2147315.04	144948.08	0.62	
5151.00	85.290	165.980	4672.86	624.23	-620.82	236.73	2147337.74	144856.15	0.33	
5246.00	85.320	165.880	4680.64	716.39	-712.66	259.75	2147360.76	144764.31	0.11	
5340.00	86.740	166.900	4687.15	807.85	-803.80	281.82	2147382.83	144673.17	1.86	
5370.00	88.310	167.580	4688.44	837.17	-833.03	288.44	2147389.45	144643.94	5.70	
5409.00	90.220	167.850	4688.94	875.39	-871.13	296.73	2147397.75	144605.83	4.95	



Actual Wellpath Report

Sandridge Taylor 3406 3-29H (Unit 310)_Final Surveys.
Page n of nn



REFERENCE WELLPATH IDENTIFICATION				
Operator	Sandridge Energy		Slot	Taylor 3406 3-29H (Unit 310)
Area	Kansas		Well	Taylor 3-29H SL(200 FNL, 1640 FWL) Sec 29
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid		Wellbore	Actual Taylor 3406 3-29H
Facility	Britt 4-20H and Taylor 3-29H PAD Sec 29-34S-6W			

WELLPATH DATA (133 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
5504.00	90.370	170.220	4688.46	968.90	-964.39	314.80	2147415.81	144512.57	2.50	
5599.00	90.000	171.550	4688.15	1062.91	-1058.19	329.85	2147430.86	144418.77	1.45	
5694.00	90.250	173.950	4687.94	1157.31	-1152.42	341.84	2147442.85	144324.53	2.54	
5789.00	90.310	175.920	4687.48	1252.05	-1247.04	350.22	2147451.24	144229.90	2.07	
5884.00	92.160	177.780	4685.43	1346.94	-1341.87	355.44	2147456.46	144135.07	2.76	
5979.00	93.260	177.550	4680.94	1441.80	-1436.68	359.31	2147460.33	144040.26	1.18	
6074.00	92.120	177.890	4676.48	1536.66	-1531.50	363.08	2147464.10	143945.43	1.25	
6169.00	88.550	176.880	4675.92	1631.60	-1626.38	367.42	2147468.43	143850.55	3.91	
6264.00	91.560	178.570	4675.83	1726.56	-1721.29	371.19	2147472.21	143755.63	3.63	
6359.00	90.740	179.720	4673.93	1821.53	-1816.26	372.61	2147473.62	143660.66	1.49	
6422.00	89.320	179.240	4673.89	1884.53	-1879.26	373.18	2147474.19	143597.66	2.38	
6517.00	88.790	179.680	4675.46	1979.52	-1974.24	374.07	2147475.09	143502.67	0.73	
6606.00	89.130	180.550	4677.07	2068.49	-2063.22	373.89	2147474.91	143413.69	1.05	
6700.00	89.970	179.600	4677.81	2162.47	-2157.22	373.77	2147474.79	143319.69	1.35	
6795.00	90.920	180.430	4677.08	2257.46	-2252.21	373.75	2147474.76	143224.69	1.33	
6890.00	89.720	179.320	4676.54	2352.44	-2347.21	373.95	2147474.97	143129.69	1.72	
6922.00	89.690	179.150	4676.71	2384.44	-2379.21	374.38	2147475.40	143097.69	0.54	
7016.00	89.780	180.290	4677.14	2478.44	-2473.20	374.84	2147475.86	143003.69	1.22	
7111.00	90.620	179.670	4676.81	2573.43	-2568.20	374.87	2147475.89	142908.69	1.10	
7206.00	89.600	177.980	4676.63	2668.42	-2663.17	376.82	2147477.84	142813.71	2.08	
7301.00	89.690	177.410	4677.22	2763.39	-2758.10	380.64	2147481.66	142718.78	0.61	
7397.00	90.280	177.010	4677.24	2859.33	-2853.98	385.32	2147486.33	142622.89	0.74	
7491.00	88.540	177.750	4678.21	2953.27	-2947.87	389.61	2147490.63	142529.00	2.01	
7587.00	88.940	177.220	4680.32	3049.21	-3043.76	393.82	2147494.84	142433.11	0.69	
7681.00	89.630	177.880	4681.50	3143.16	-3137.66	397.84	2147498.86	142339.20	1.02	
7776.00	90.030	177.840	4681.78	3238.14	-3232.60	401.39	2147502.41	142244.26	0.42	
7871.00	90.710	178.470	4681.16	3333.12	-3327.54	404.45	2147505.46	142149.31	0.98	
7966.00	91.330	178.850	4679.47	3428.10	-3422.50	406.67	2147507.69	142054.35	0.77	
8052.00	90.220	177.570	4678.31	3514.08	-3508.45	409.35	2147510.37	141968.40	1.97	
8093.00	89.320	178.100	4678.47	3555.07	-3549.42	410.90	2147511.92	141927.43	2.55	
8187.00	88.620	179.310	4680.16	3649.05	-3643.38	413.03	2147514.05	141833.46	1.49	
8281.00	88.250	178.860	4682.73	3743.01	-3737.33	414.53	2147515.55	141739.51	0.62	
8376.00	88.550	179.350	4685.38	3837.97	-3832.28	416.01	2147517.03	141644.55	0.60	
8471.00	89.880	179.410	4686.69	3932.96	-3927.26	417.04	2147518.06	141549.56	1.40	
8565.00	88.060	179.900	4688.38	4026.94	-4021.24	417.61	2147518.62	141455.58	2.01	
8660.00	88.430	179.240	4691.28	4121.89	-4116.20	418.32	2147519.34	141360.62	0.80	
8754.00	88.520	180.290	4693.79	4215.85	-4210.16	418.70	2147519.72	141266.66	1.12	
8849.00	87.410	180.460	4697.16	4310.77	-4305.10	418.08	2147519.10	141171.71	1.18	
8944.00	85.590	181.680	4702.96	4405.53	-4399.90	416.31	2147517.33	141076.91	2.31	
9040.00	86.300	182.050	4709.75	4501.19	-4495.61	413.20	2147514.21	140981.20	0.83	
9134.00	86.420	182.420	4715.72	4594.86	-4589.34	409.54	2147510.56	140887.45	0.41	
9197.00	85.370	182.310	4720.23	4657.60	-4652.13	406.94	2147507.96	140824.67	1.68	
9233.00	85.370	182.310	4723.13	4693.43	-4687.98	405.50	2147506.52	140788.81	0.00	Actual BHL 9233 MD (4723 TVD) X:2147507 Y:140789 VS:4693 346 FSL 1647 FWL

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Taylor 3-29H BHL_		4709.70	-4703.79	408.98	2147510.00	140773.00	37°03'07.846"N	97°59'40.466"W	point

WELLPATH COMPOSITION - Ref Wellbore: Actual Taylor 3406 3-29H Ref Wellpath: AWP (Final)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	680.00	Drift Indicator (Standard)	Rig Surveys	Actual Taylor 3406 3-29H
680.00	9197.00	NaviTrak (Standard)	NaviTrak	Actual Taylor 3406 3-29H
9197.00	9233.00	Blind Drilling (std)	Projection to bit	Actual Taylor 3406 3-29H