



NOBLE ENERGY, INC

Location: COLORADO Slot: SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30)
Field: WELD COUNTY (NOBLE NAD 83 GRID) Well: SHADOW A26-663
Facility: SEC.30-T06N-R63W Wellbore: SHADOW A26-663 PWB

Plot reference wellpath is SHADOW A26-663 (REV-B.0) PWB	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to H&P 524 (30KB) (RKB)	* = Wellpath was transformed from a different geodetic datum
Measured depths are referenced to H&P 524 (30KB) (RKB)	North Reference: Grid north
H&P 524 (30KB) (RKB) to Mean Sea Level: 4680 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: adamkat on 2016-06-27
	Database: WA_DEN_Denver_Defn

LAST BHI MWD SURVEY (1705'FNL & 1839'FEL SEC.26) : 89.85° Inc, 17442.00ft MD, 6671.10ft TVD, 9968.24ft VS
PROJECTION TO BIT (1705'FNL & 1863'FEL SEC.26) : 89.85° Inc, 17466.00ft MD, 6671.16ft TVD, 9992.22ft VS

REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Slot	SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30)
Area	COLORADO	Well	SHADOW A26-663
Field	WELD COUNTY (NOBLE NAD 83 GRID)	Wellbore	SHADOW A26-663 AWB
Facility	SEC.30-T06N-R63W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.0
North Reference	Grid	User	Adamkat
Scale	0.999963	Report Generated	6/27/2016 at 3:00:51 PM
Convergence at slot	0.66° East	Database/Source file	WA_DEN_Denver_Defn/SHADOW_A26-663_AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	761.69	-612.70	3284215.68	1411530.63	40°27'30.816"N	104°28'42.996"W
Facility Reference Pt			3284828.36	1410768.96	40°27'23.220"N	104°28'35.184"W
Field Reference Pt			3000000.00	4454105.15	48°46'34.315"N	105°30'00.000"W

WELLPATH DATUM

Calculation method	Minimum curvature	H&P 524 (30'KB) (RKB) to Facility Vertical Datum	4680.00ft
Horizontal Reference Pt	Slot	H&P 524 (30'KB) (RKB) to Mean Sea Level	4680.00ft
Vertical Reference Pt	H&P 524 (30'KB) (RKB)	H&P 524 (30'KB) (RKB) to Mud Line at Slot (SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30))	4680.00ft
MD Reference Pt	H&P 524 (30'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	272.07°

REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Slot	SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30)
Area	COLORADO	Well	SHADOW A26-663
Field	WELD COUNTY (NOBLE NAD 83 GRID)	Wellbore	SHADOW A26-663 AWB
Facility	SEC.30-T06N-R63W		

WELLPATH DATA (162 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
1913.00	0.400	171.770	1912.96	0.68	-10.26	-1.06	0.36	TIE INTO SURFACE SURVEYS
1981.00	1.520	110.660	1980.95	-0.21	-10.81	-0.18	2.02	FIRST BHI MWD SURVEY
2076.00	3.230	91.370	2075.87	-4.08	-11.32	3.68	1.96	
2171.00	5.000	81.050	2170.62	-10.82	-10.74	10.44	2.01	
2265.00	6.360	81.200	2264.16	-19.96	-9.30	19.64	1.45	
2360.00	7.760	64.870	2358.44	-30.83	-5.77	30.64	2.56	
2455.00	10.340	62.240	2452.25	-43.93	0.92	44.00	2.75	
2549.00	11.540	63.960	2544.54	-59.55	8.98	59.91	1.32	
2645.00	12.240	64.580	2638.48	-77.04	17.56	77.73	0.74	
2739.00	14.200	64.780	2729.99	-96.13	26.75	97.16	2.09	
2833.00	17.950	66.410	2820.30	-119.44	37.47	120.87	4.02	
2928.00	18.480	66.760	2910.54	-146.25	49.27	148.13	0.57	
3022.00	18.300	63.980	2999.74	-172.74	61.62	175.08	0.95	
3117.00	18.410	64.520	3089.90	-199.20	74.61	202.02	0.21	
3212.00	17.410	69.210	3180.30	-225.60	86.11	228.85	1.85	
3306.00	18.390	71.100	3269.75	-252.40	95.91	256.03	1.21	
3401.00	17.470	71.290	3360.14	-279.73	105.34	283.71	0.97	
3495.00	18.300	76.330	3449.60	-307.13	113.35	311.42	1.87	
3590.00	18.480	73.250	3539.75	-335.73	121.22	340.33	1.04	
3684.00	18.460	65.340	3628.92	-363.13	131.72	368.12	2.66	
3779.00	18.490	60.020	3719.03	-389.33	145.52	394.84	1.77	
3874.00	18.690	58.690	3809.08	-414.81	160.96	420.90	0.49	
3968.00	18.400	58.640	3898.20	-439.77	176.51	446.43	0.31	
4063.00	18.320	60.540	3988.36	-465.01	191.65	472.24	0.64	
4158.00	18.550	64.630	4078.49	-491.15	205.47	498.89	1.38	
4252.00	18.250	67.420	4167.69	-517.80	217.53	525.99	0.99	
4347.00	18.480	70.490	4257.85	-545.32	228.27	553.92	1.05	
4442.00	18.470	69.140	4347.95	-573.18	238.66	582.17	0.45	
4536.00	18.530	66.080	4437.10	-600.32	250.02	609.74	1.03	
4631.00	18.570	65.360	4527.16	-627.40	262.44	637.29	0.24	
4726.00	18.600	64.120	4617.21	-654.30	275.36	664.67	0.42	
4820.00	18.290	63.780	4706.38	-680.53	288.42	691.39	0.35	
4915.00	18.390	67.090	4796.56	-707.24	300.84	718.57	1.10	
5010.00	18.680	67.260	4886.63	-734.64	312.56	746.40	0.31	
5105.00	18.630	63.930	4976.64	-761.83	325.11	774.06	1.12	
5200.00	17.060	63.120	5067.07	-787.40	338.08	800.13	1.67	
5294.00	14.980	66.880	5157.42	-810.47	349.08	823.60	2.47	
5389.00	17.050	71.090	5248.73	-834.59	358.42	848.07	2.50	
5484.00	17.310	77.510	5339.50	-861.27	365.99	875.05	2.01	
5578.00	17.740	80.080	5429.13	-888.82	371.48	902.81	0.94	
5673.00	17.830	79.030	5519.59	-917.14	376.74	931.34	0.35	
5768.00	14.080	72.710	5610.92	-942.22	382.95	956.67	4.34	
5863.00	9.390	54.460	5703.94	-959.28	390.89	974.02	6.24	
5958.00	5.940	23.690	5798.12	-967.24	399.91	982.31	5.52	
6052.00	7.650	354.870	5891.48	-968.25	410.60	983.71	4.00	

REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Slot	SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30)
Area	COLORADO	Well	SHADOW A26-663
Field	WELD COUNTY (NOBLE NAD 83 GRID)	Wellbore	SHADOW A26-663 AWB
Facility	SEC.30-T06N-R63W		

WELLPATH DATA (162 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6147.00	13.220	330.480	5984.92	-961.76	426.37	977.78	7.36	
6242.00	15.750	297.880	6077.04	-944.43	441.88	961.00	8.85	
6337.00	20.150	274.990	6167.50	-916.43	449.34	933.26	8.67	
6431.00	25.790	272.870	6254.02	-879.79	451.78	896.67	6.06	
6526.00	33.920	275.870	6336.35	-832.59	455.53	849.58	8.70	
6621.00	42.640	275.250	6410.85	-773.90	461.19	791.06	9.19	
6715.00	50.250	274.960	6475.57	-705.93	467.24	723.26	8.10	
6810.00	58.900	269.970	6530.61	-628.63	470.38	646.02	10.06	
6905.00	66.290	267.290	6574.31	-544.51	468.30	561.78	8.17	
6923.00†	67.759	267.290	6581.34	-528.00	467.52	545.23	8.16	CROSSES 460' SETBACK (1799'FNL & 1790'FEL SEC.26)
6999.00	73.960	267.290	6606.24	-456.49	464.13	473.54	8.16	
7094.00	82.420	267.790	6625.67	-363.87	460.15	380.72	8.92	
7189.00	89.430	268.300	6632.42	-269.40	456.92	286.08	7.40	
7283.00	89.530	266.430	6633.27	-175.73	452.60	192.19	1.99	
7378.00	89.980	265.590	6633.68	-81.26	445.98	97.42	1.00	
7472.00	89.550	265.350	6634.06	12.12	438.56	3.71	0.52	
7567.00	89.980	266.390	6634.45	106.56	431.72	-91.04	1.18	
7662.00	89.580	267.110	6634.82	201.15	426.33	-185.88	0.87	
7756.00	89.490	268.810	6635.58	294.90	422.99	-279.82	1.81	
7851.00	89.580	269.550	6636.35	389.78	421.63	-374.80	0.78	
7946.00	89.650	270.260	6636.99	484.70	421.47	-469.80	0.75	
8040.00	89.830	270.680	6637.41	578.67	422.24	-563.80	0.49	
8135.00	89.740	270.140	6637.77	673.63	422.92	-658.79	0.58	
8230.00	89.770	270.450	6638.18	768.58	423.41	-753.79	0.33	
8419.00	89.680	269.010	6639.08	957.42	422.52	-942.78	0.76	
8514.00	89.400	268.360	6639.85	1052.25	420.34	-1037.75	0.74	
8609.00	89.460	267.460	6640.79	1146.99	416.88	-1132.68	0.95	
8703.00	89.920	267.560	6641.30	1240.69	412.79	-1226.59	0.50	
8798.00	89.520	267.850	6641.76	1335.41	408.99	-1321.52	0.52	
8893.00	89.490	269.450	6642.59	1430.24	406.75	-1416.48	1.68	
8987.00	89.710	271.160	6643.24	1524.19	407.25	-1510.48	1.83	
9082.00	89.520	271.140	6643.88	1619.17	409.16	-1605.45	0.20	
9176.00	89.770	272.120	6644.46	1713.17	411.83	-1699.41	1.08	
9271.00	89.830	270.750	6644.79	1808.16	414.21	-1794.38	1.44	
9366.00	89.680	270.560	6645.20	1903.13	415.30	-1889.37	0.25	
9460.00	90.480	270.510	6645.07	1997.10	416.17	-1983.37	0.85	
9555.00	90.260	270.160	6644.46	2092.05	416.73	-2078.36	0.44	
9650.00	89.890	269.610	6644.33	2186.98	416.54	-2173.36	0.70	
9745.00	89.890	270.410	6644.51	2281.92	416.55	-2268.36	0.84	
9839.00	90.190	270.750	6644.45	2375.89	417.51	-2362.36	0.48	
9934.00	90.080	271.640	6644.22	2470.87	419.49	-2457.34	0.94	
10029.00	89.950	271.210	6644.20	2565.87	421.85	-2552.31	0.47	
10123.00	89.950	270.630	6644.28	2659.85	423.36	-2646.29	0.62	
10218.00	90.050	269.090	6644.28	2754.77	423.13	-2741.29	1.62	
10313.00	89.860	269.120	6644.36	2849.65	421.64	-2836.28	0.20	

REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Slot	SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30)
Area	COLORADO	Well	SHADOW A26-663
Field	WELD COUNTY (NOBLE NAD 83 GRID)	Wellbore	SHADOW A26-663 AWB
Facility	SEC.30-T06N-R63W		

WELLPATH DATA (162 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
10408.00	89.640	269.740	6644.77	2944.55	420.70	-2931.27	0.69	
10502.00	89.240	267.750	6645.69	3038.38	418.64	-3025.24	2.16	
10597.00	89.310	267.210	6646.89	3133.07	414.46	-3120.14	0.57	
10692.00	90.010	267.180	6647.45	3227.72	409.81	-3215.03	0.74	
10786.00	89.740	261.900	6647.66	3320.88	400.87	-3308.57	5.62	
10881.00	89.890	263.600	6647.97	3414.62	388.88	-3402.80	1.80	
10976.00	89.830	267.930	6648.20	3509.02	381.87	-3497.52	4.56	
11070.00	89.710	270.060	6648.58	3602.88	380.22	-3591.50	2.27	
11165.00	89.610	271.950	6649.14	3697.86	381.89	-3686.48	1.99	
11260.00	89.680	271.540	6649.73	3792.85	384.78	-3781.43	0.44	
11354.00	89.740	270.640	6650.20	3886.84	386.57	-3875.41	0.96	
11449.00	89.950	272.340	6650.46	3981.83	389.04	-3970.38	1.80	
11543.00	89.830	271.010	6650.64	4075.83	391.79	-4064.33	1.42	
11637.00	89.550	264.380	6651.15	4169.50	388.01	-4158.20	7.06	
11732.00	89.550	263.140	6651.90	4263.50	377.68	-4252.64	1.31	
11827.00	89.770	265.370	6652.46	4357.61	368.17	-4347.15	2.36	
11921.00	89.610	266.610	6652.97	4451.08	361.60	-4440.92	1.33	
12016.00	89.890	271.720	6653.38	4545.92	360.22	-4535.88	5.39	
12111.00	90.010	273.220	6653.47	4640.92	364.31	-4630.79	1.58	
12205.00	90.010	273.540	6653.45	4734.89	369.85	-4724.62	0.34	
12395.00	89.710	272.810	6653.92	4924.85	380.38	-4914.33	0.42	
12490.00	89.670	272.030	6654.43	5019.85	384.39	-5009.24	0.82	
12584.00	89.800	271.110	6654.86	5113.84	386.96	-5103.20	0.99	
12774.00	89.710	271.140	6655.68	5303.82	390.69	-5293.17	0.05	
12868.00	89.670	272.030	6656.19	5397.81	393.29	-5387.13	0.95	
12963.00	89.670	271.540	6656.73	5492.81	396.25	-5482.08	0.52	
13058.00	89.710	270.980	6657.25	5587.80	398.34	-5577.05	0.59	
13152.00	89.800	270.000	6657.65	5681.76	399.14	-5671.05	1.05	
13247.00	89.640	269.080	6658.11	5776.66	398.38	-5766.04	0.98	
13342.00	89.740	269.330	6658.63	5871.54	397.06	-5861.03	0.28	
13436.00	89.950	268.650	6658.88	5965.41	395.41	-5955.02	0.76	
13531.00	89.770	268.720	6659.11	6060.24	393.23	-6049.99	0.20	
13720.00	89.710	269.380	6659.97	6248.98	390.09	-6238.96	0.35	
13815.00	89.670	268.820	6660.48	6343.85	388.60	-6333.95	0.59	
13909.00	89.710	269.700	6660.99	6437.73	387.39	-6427.94	0.94	
14004.00	89.950	270.190	6661.28	6532.67	387.30	-6522.94	0.57	
14099.00	89.640	270.050	6661.62	6627.61	387.50	-6617.94	0.36	
14194.00	89.770	270.160	6662.10	6722.55	387.67	-6712.94	0.18	
14288.00	89.710	271.070	6662.53	6816.52	388.68	-6806.93	0.97	
14383.00	89.810	271.420	6662.93	6911.51	390.74	-6901.91	0.38	
14477.00	89.630	271.380	6663.39	7005.50	393.04	-6995.88	0.20	
14572.00	89.690	271.160	6663.95	7100.49	395.14	-7090.85	0.24	
14667.00	89.690	270.980	6664.47	7195.48	396.92	-7185.83	0.19	
14761.00	89.750	270.760	6664.93	7289.45	398.35	-7279.82	0.24	
14856.00	89.750	270.450	6665.34	7384.42	399.35	-7374.81	0.33	

REFERENCE WELLPATH IDENTIFICATION			
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Area	COLORADO	Well	SHADOW A26-663
Field	WELD COUNTY (NOBLE NAD 83 GRID)	Wellbore	SHADOW A26-663 AWB
Facility	SEC.30-T06N-R63W		

WELLPATH DATA (162 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
14950.00	89.750	270.150	6665.75	7478.38	399.84	-7468.81	0.32	
15045.00	89.690	269.550	6666.21	7573.30	399.59	-7563.81	0.63	
15139.00	89.720	268.900	6666.70	7667.19	398.32	-7657.80	0.69	
15234.00	89.970	269.100	6666.96	7762.05	396.66	-7752.79	0.34	
15329.00	89.910	269.210	6667.05	7856.93	395.26	-7847.78	0.13	
15424.00	89.910	268.980	6667.20	7951.80	393.76	-7942.76	0.24	
15518.00	90.000	269.450	6667.28	8045.68	392.47	-8036.75	0.51	
15613.00	89.940	269.780	6667.33	8140.60	391.84	-8131.75	0.35	
15708.00	89.820	270.020	6667.53	8235.53	391.67	-8226.75	0.28	
15802.00	89.820	269.680	6667.82	8329.46	391.42	-8320.75	0.36	
15897.00	89.720	269.480	6668.20	8424.37	390.73	-8415.75	0.24	
15992.00	89.660	268.850	6668.72	8519.24	389.34	-8510.73	0.67	
16086.00	89.970	268.140	6669.02	8613.06	386.87	-8604.70	0.82	
16181.00	89.940	270.000	6669.10	8707.92	385.33	-8699.68	1.96	
16276.00	89.880	271.380	6669.24	8802.89	386.48	-8794.68	1.45	
16370.00	89.910	270.180	6669.42	8896.87	387.76	-8888.66	1.28	
16465.00	89.880	270.000	6669.59	8991.81	387.90	-8983.66	0.19	
16559.00	89.850	269.570	6669.81	9085.74	387.55	-9077.66	0.46	
16749.00	89.910	270.490	6670.21	9275.61	387.65	-9267.66	0.49	
16843.00	89.880	269.150	6670.38	9369.54	387.36	-9361.66	1.43	
16938.00	89.970	269.730	6670.51	9464.44	386.43	-9456.65	0.62	
17032.00	89.940	270.690	6670.58	9558.39	386.77	-9550.65	1.02	
17127.00	89.940	270.630	6670.68	9653.36	387.87	-9645.64	0.06	
17222.00	89.910	270.620	6670.80	9748.33	388.90	-9740.64	0.03	
17317.00	89.970	270.630	6670.90	9843.30	389.94	-9835.63	0.06	
17442.00	89.850	269.990	6671.10	9968.24	390.62	-9960.63	0.52	LAST BHI MWD SURVEY (1705'FNL & 1839'FEL SEC.26)
17466.00	89.850	269.990	6671.16	9992.22	390.61	-9984.63	0.00	PROJECTION TO BIT (1705'FNL & 1863'FEL SEC.26)

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.25-T06N-R64W	7.00	-761.69	612.70	3284828.36	1410768.96	40°27'23.220"N	104°28'35.184"W	polygon
SEC.26-T06N-R64W	7.00	-761.69	612.70	3284828.36	1410768.96	40°27'23.220"N	104°28'35.184"W	polygon
SEC.30-T06N-R63W	7.00	-761.69	612.70	3284828.36	1410768.96	40°27'23.220"N	104°28'35.184"W	polygon
SHADOW A26-663 TOP OF NIO (1808'FNL & 1671'FEL, SEC.30) 6780'MD REV 2	6519.97	452.99	664.86	3284880.52	1411983.60	40°27'35.216"N	104°28'34.328"W	point
SHADOW A26-663 TOP OF NIO (1808'FNL & 1628'FEL, SEC.30) 6760'MD	6520.25	453.36	707.85	3284923.50	1411983.97	40°27'35.215"N	104°28'33.772"W	point
SHADOW A26-663 460' SETBACK (1809'FNL & 1789'FEL, SEC.30) 6918'MD REV-2	6589.27	451.97	546.72	3284762.38	1411982.58	40°27'35.220"N	104°28'35.856"W	point
SHADOW A26-663 460' SETBACK (1809'FNL & 1789'FEL, SEC.30) 6953'MD	6624.38	451.96	546.37	3284762.03	1411982.57	40°27'35.220"N	104°28'35.861"W	point
SHADOW A26-663 LANDING POINT (1811'FNL & 2015'FEL, SEC.30) 7150.78'MD REV-2	6636.90	450.00	320.00	3284535.67	1411980.61	40°27'35.226"N	104°28'38.789"W	point
SHADOW A26-663 BHL ON PLAT REV-1 (1735'FNL & 1865'FEL, SEC.26)	6671.00	360.63	-9986.55	3274229.52	1411891.24	40°27'35.496"N	104°30'52.128"W	point
SHADOW A26-663 HARDLINES (460' SETBACKS)	6671.00	0.00	0.00	3284215.68	1411530.63	40°27'30.816"N	104°28'42.996"W	polygon
SHADOW A26-663 LANDING POINT (1811'FNL & 2015'FEL, SEC.30) 7185.73'MD	6671.00	450.00	320.00	3284535.67	1411980.61	40°27'35.226"N	104°28'38.789"W	point
SHADOW A26-663 UNIT LINES	6671.00	0.00	0.00	3284215.68	1411530.63	40°27'30.816"N	104°28'42.996"W	polygon
SHADOW A26-663 UNIT LINES POINT 115	6671.00	2082.28	-10793.19	3273422.90	1413612.83	40°27'52.596"N	104°31'02.316"W	point
SHADOW A26-663 UNIT LINES POINT 123	6671.00	2255.09	-332.08	3283883.62	1413785.62	40°27'53.136"N	104°28'46.956"W	point
SHADOW A26-663 UNIT LINES POINT 127	6671.00	947.95	1004.83	3285220.48	1412478.54	40°27'40.068"N	104°28'29.856"W	point
SHADOW A26-663 UNIT LINES POINT 128	6671.00	932.71	-316.86	3283898.83	1412463.30	40°27'40.068"N	104°28'46.956"W	point
SHADOW A26-663 UNIT LINES POINT 128 (460'RADIUS)	6671.00	932.71	-316.86	3283898.83	1412463.30	40°27'40.068"N	104°28'46.956"W	circle
SHADOW A26-663 UNIT LINES POINT 141	6671.00	-591.54	-10755.21	3273460.88	1410939.11	40°27'26.172"N	104°31'02.208"W	point
SHADOW A26-663 UNIT LINES POINT 150	6671.00	-370.82	1017.30	3285232.94	1411159.82	40°27'27.036"N	104°28'29.892"W	point

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SHADOW A26-663 BHL ON PLAT REV-2 (1735°FNL & 1865°FEL, SEC.26)	6672.88	360.63	-9986.55	3274229.52	1411891.24	40°27'35.496"N	104°30'52.128"W	point

WELLPATH COMPOSITION - Ref Wellbore: SHADOW A26-663 AWB					Ref Wellpath: SHADOW A26-663 AWP		
Start MD [ft]	End MD [ft]	Positional Uncertainty Model		Log Name/Comment			Wellbore
0.00	1913.00	BHI Generic gyro - continuous (Standard)		13.5" SURFACE HOLE SURVEYS <0 - 1913>			SHADOW A26-663 AWB
1913.00	17442.00	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		BHI AUTOTRAK CURVE (IFR, SHORT) 8 1/2" MONOBORE <1913 - 17442>			SHADOW A26-663 AWB
17442.00	17466.00	Blind Drilling (std)		Projection to bit			SHADOW A26-663 AWB

REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Slot	SLOT#05 SHADOW A26-663 (2261'FNL & 2335'FEL, SEC.30)
Area	COLORADO	Well	SHADOW A26-663
Field	WELD COUNTY (NOBLE NAD 83 GRID)	Wellbore	SHADOW A26-663 AWB
Facility	SEC.30-T06N-R63W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
1913.00	0.400	171.770	1912.96	TIE INTO SURFACE SURVEYS
1981.00	1.520	110.660	1980.95	FIRST BHI MWD SURVEY
6923.00	67.759	267.290	6581.34	CROSSES 460' SETBACK (1799'FNL & 1790'FEL SEC.26)
17442.00	89.850	269.990	6671.10	LAST BHI MWD SURVEY (1705'FNL & 1839'FEL SEC.26)
17466.00	89.850	269.990	6671.16	PROJECTION TO BIT (1705'FNL & 1863'FEL SEC.26)