NOBLE ENERGY, INC

Location:	COLORADO	Slot:	SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)
Field:	WELD COUNTY (NOBLE NAD 83 GRID)	Well:	GUTTERSEN STATE C36-755
Facility:	SEC.01-T03N-R64W	Wellbore:	GUTTERSEN STATE C36-755 PWB

Plot reference wellpath is GUTTERSEN STATE C36-755 (REV-B.0) PWP	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to PD 268 (4746'GL+29'KB@4775'RKB) (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to PD 268 (4746'GL+29'KB@4775'RKB) (RKB)	Scale: True distance
PD 268 (4746'GL+29'KB@4775'RKB) (RKB) to Mean Sea Level: 4775 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)): 0 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: martsam01 on 2023-05-24; Database: WA_Denver

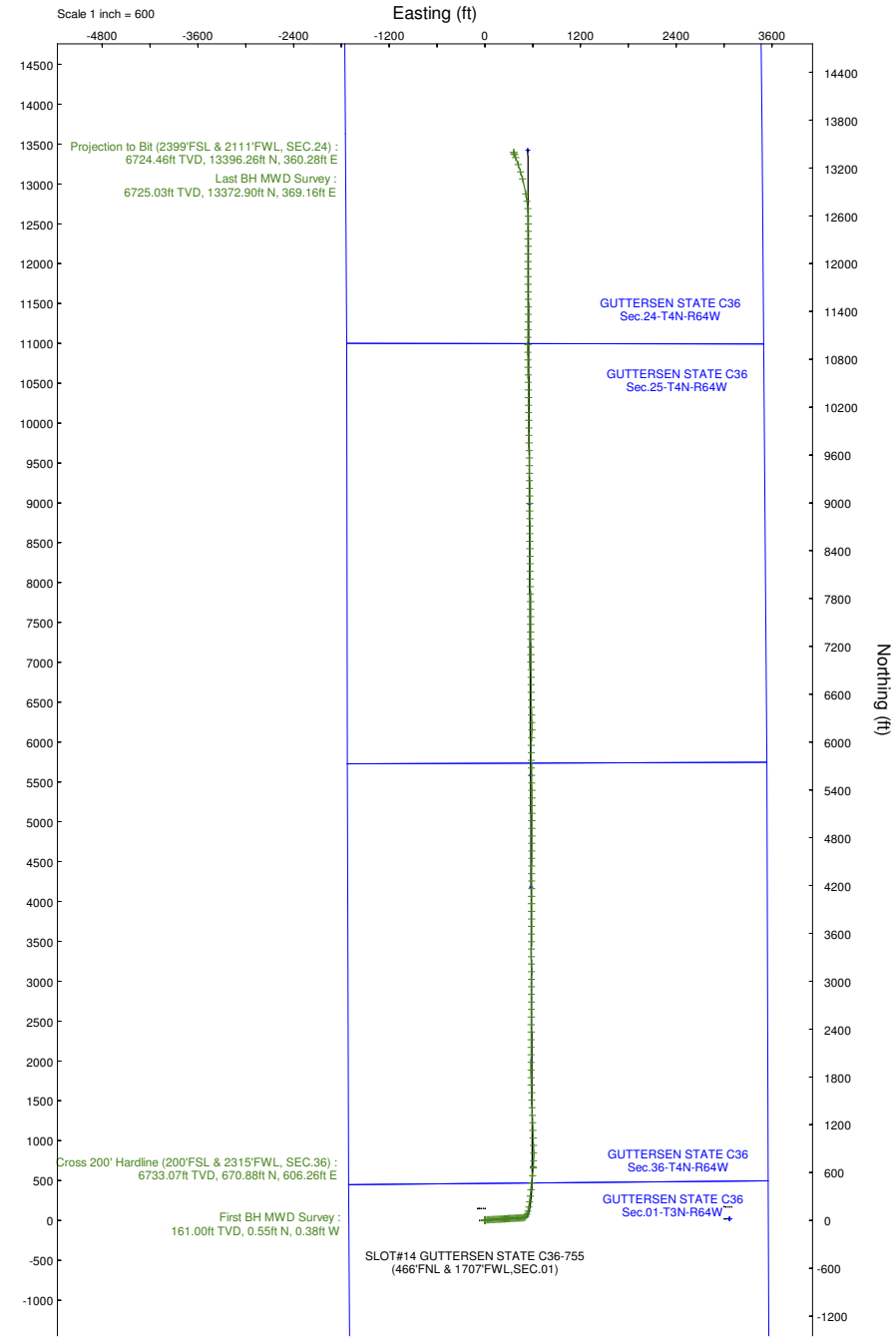
Location Information

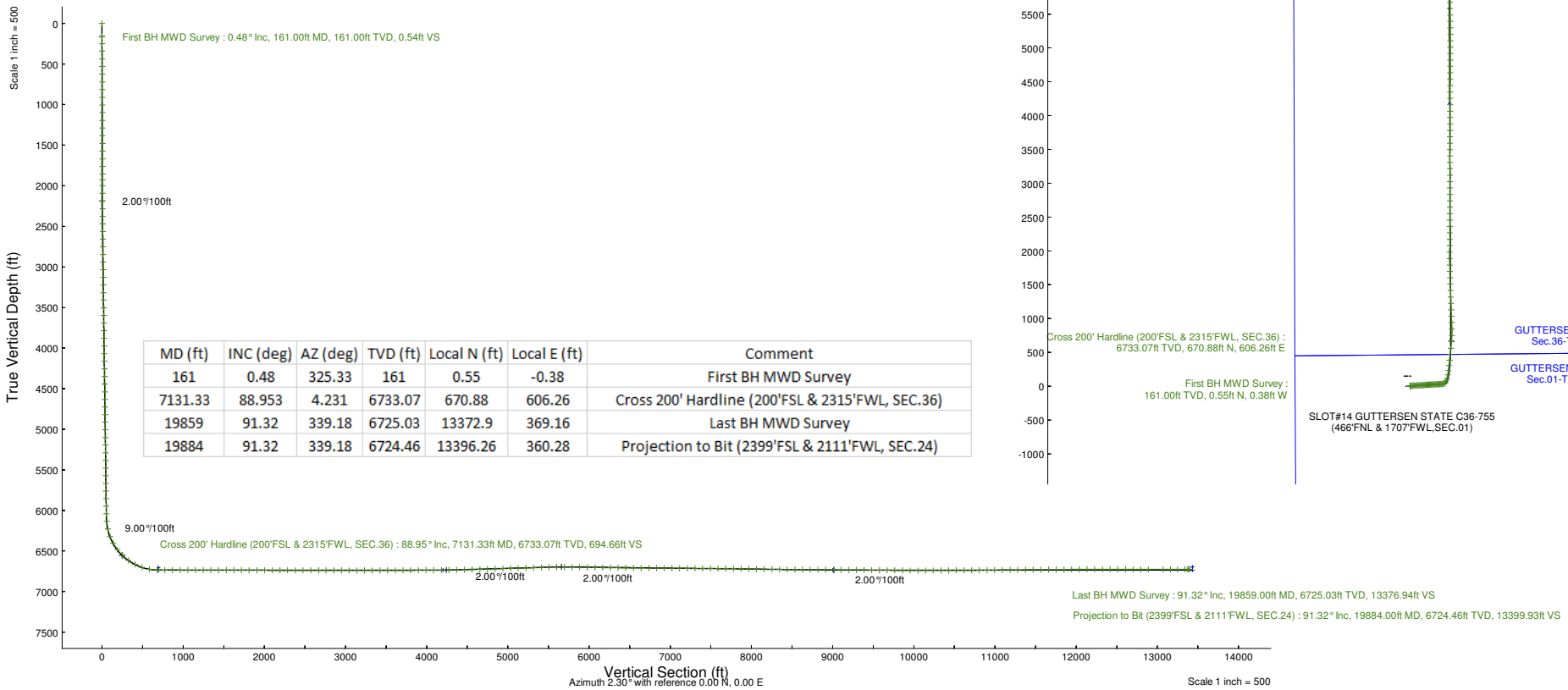
Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.01-T03N-R64W			3278229.920	1339437.650	40°15'39.1032"N	104°30'10.9152"W
Slot	**Local N (ft)**	**Local E (ft)**	**Grid East (US ft)**	**Grid North (US ft)**	**Latitude**	**Longitude**
SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)	-149.10	88.76	3278318.677	1339288.555	40°15'37.6200"N	104°30'9.7920"W

PD 268 (4746'GL+29'KB@4775'RKB) (RKB) to Ground level (At Slot: SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01))	4775ft
Mean Sea Level to Ground level (At Slot: SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01))	0ft
PD 268 (4746'GL+29'KB@4775'RKB) (RKB) to Mean Sea Level	4775ft

noble energy

Baker Hughes





MD (ft)	INC (deg)	AZ (deg)	TVD (ft)	Local N (ft)	Local E (ft)	Comment
161	0.48	325.33	161	0.55	-0.38	First BH MWD Survey
7131.33	88.953	4.231	6733.07	670.88	606.26	Cross 200' Hardline (200'FSL & 2315'FWL, SEC.36)
19859	91.32	339.18	6725.03	13372.9	369.16	Last BH MWD Survey
19884	91.32	339.18	6724.46	13396.26	360.28	Projection to Bit (2399'FSL & 2111'FWL, SEC.24)

Actual Wellpath Report

GUTTERSEN STATE C36-755 AWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**GUTTERSEN STATE C36-755**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	05-123-49071
Facility	**SEC.01-T03N-R64W**	Wellbore	**GUTTERSEN STATE C36-755 AWB**
Slot	**SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)**		

REPORT SETUP INFORMATION			
Projection System	**NAD83 / Lambert Colorado SP, Northern Zone (501), US feet**	Software System	**WellArchitect® 6.0**
North Reference	**Grid**	User	**Martsam01**
Scale	**0.999957**	Report Generated	**5/23/2023** at **5:46:47 PM**
Convergence at slot	**0.64° East**	Database	**WA_Denver**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	-149.10	88.76	3278318.68	1339288.56	**40.2604500°**	**-104.5027200°**
Facility Reference Pt			**3278229.92**	**1339437.65**	40.2608620°	-104.5030320°
Field Reference Pt			**3000000.00**	**4454105.15**	48.7761986°	-105.5000000°

WELLPATH DATUM			
Calculation method	**Minimum curvature**	PD 268 (4746'GL+29'KB@4775'RKB) (RKB) to Facility Vertical Datum	**4775.00ft**
Horizontal Reference Pt	**Slot**	PD 268 (4746'GL+29'KB@4775'RKB) (RKB) to Mean Sea Level	**4775.00ft**
Vertical Reference Pt	**PD 268 (4746'GL+29'KB@4775'RKB) (RKB)**	PD 268 (4746'GL+29'KB@4775'RKB) (RKB) to Ground Level at Slot (SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01))	**4775.00ft**
MD Reference Pt	**PD 268 (4746'GL+29'KB@4775'RKB) (RKB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**2.30°**

Actual Wellpath Report

GUTTERSEN STATE C36-755 AWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	GUTTERSEN STATE C36-755
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	05-123-49071
Facility	SEC.01-T03N-R64W	Wellbore	GUTTERSEN STATE C36-755 AWB
Slot	SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)		

WELLPATH DATA (212 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	325.330	0.00	0.00	0.00	0.00	40.2604500	-104.5027200	0.00	
161.00	0.480	325.330	161.00	0.54	0.55	-0.38	40.2604515	-104.5027214	0.30	First BH MWD Survey
251.00	0.480	329.850	250.99	1.16	1.19	-0.79	40.2604533	-104.5027228	0.04	
342.00	0.270	329.760	341.99	1.66	1.71	-1.09	40.2604547	-104.5027238	0.23	
437.00	0.320	354.300	436.99	2.11	2.16	-1.23	40.2604560	-104.5027243	0.14	
532.00	0.390	349.510	531.99	2.69	2.74	-1.31	40.2604576	-104.5027246	0.08	
626.00	0.460	353.640	625.99	3.37	3.43	-1.41	40.2604595	-104.5027249	0.08	
721.00	0.330	342.090	720.99	4.01	4.07	-1.54	40.2604612	-104.5027253	0.16	
816.00	0.240	348.080	815.98	4.46	4.53	-1.66	40.2604625	-104.5027258	0.10	
911.00	0.120	358.810	910.98	4.75	4.82	-1.71	40.2604633	-104.5027259	0.13	
1005.00	0.100	4.180	1004.98	4.93	5.00	-1.70	40.2604638	-104.5027259	0.02	
1100.00	0.090	20.980	1099.98	5.08	5.16	-1.67	40.2604642	-104.5027258	0.03	
1195.00	0.170	347.890	1194.98	5.29	5.36	-1.67	40.2604648	-104.5027258	0.11	
1290.00	0.160	357.540	1289.98	5.56	5.63	-1.71	40.2604655	-104.5027259	0.03	
1384.00	0.240	13.910	1383.98	5.88	5.96	-1.67	40.2604664	-104.5027257	0.10	
1479.00	0.170	261.800	1478.98	6.05	6.13	-1.76	40.2604669	-104.5027260	0.36	
1574.00	0.140	311.140	1573.98	6.10	6.18	-1.98	40.2604670	-104.5027269	0.14	
1669.00	0.100	268.290	1668.98	6.17	6.26	-2.15	40.2604672	-104.5027275	0.10	
1763.00	0.070	245.390	1762.98	6.14	6.23	-2.29	40.2604672	-104.5027279	0.05	
1858.00	0.320	259.950	1857.98	6.05	6.16	-2.60	40.2604670	-104.5027291	0.27	
1927.00	0.560	264.580	1926.98	5.97	6.10	-3.13	40.2604668	-104.5027310	0.35	
1999.00	0.610	19.990	1998.98	6.28	6.42	-3.35	40.2604677	-104.5027317	1.37	
2094.00	1.850	100.160	2093.96	6.56	6.63	-1.66	40.2604682	-104.5027257	1.94	
2189.00	5.020	88.910	2188.78	6.59	6.44	4.00	40.2604675	-104.5027054	3.40	
2283.00	7.650	86.550	2282.19	7.46	6.89	14.36	40.2604685	-104.5026683	2.81	
2378.00	7.360	86.780	2376.38	8.68	7.61	26.75	40.2604701	-104.5026239	0.31	
2473.00	7.520	87.430	2470.58	9.79	8.23	39.03	40.2604714	-104.5025798	0.19	
2567.00	7.530	86.640	2563.77	10.92	8.87	51.33	40.2604728	-104.5025358	0.11	
2662.00	7.450	87.530	2657.96	12.05	9.50	63.69	40.2604741	-104.5024914	0.15	
2757.00	7.520	87.940	2752.15	13.03	9.99	76.06	40.2604751	-104.5024471	0.09	
2852.00	7.270	87.050	2846.36	14.06	10.52	88.27	40.2604762	-104.5024033	0.29	
2947.00	7.570	86.610	2940.56	15.23	11.20	100.52	40.2604776	-104.5023594	0.32	
3041.00	7.160	87.610	3033.79	16.32	11.81	112.56	40.2604789	-104.5023163	0.46	
3136.00	7.520	86.990	3128.01	17.38	12.39	124.68	40.2604801	-104.5022728	0.39	
3231.00	7.200	86.700	3222.23	18.53	13.06	136.83	40.2604816	-104.5022292	0.34	
3326.00	7.200	86.940	3316.48	19.67	13.72	148.72	40.2604831	-104.5021866	0.03	
3420.00	7.290	86.940	3409.73	20.78	14.35	160.56	40.2604844	-104.5021442	0.10	
3515.00	6.930	86.720	3504.00	21.90	15.00	172.30	40.2604858	-104.5021021	0.38	
3610.00	7.360	86.470	3598.26	23.07	15.70	184.09	40.2604874	-104.5020598	0.45	
3705.00	7.570	86.090	3692.45	24.37	16.50	196.41	40.2604892	-104.5020156	0.23	
3800.00	7.230	87.190	3786.66	25.58	17.22	208.62	40.2604908	-104.5019719	0.39	
3894.00	7.320	87.870	3879.91	26.57	17.73	220.52	40.2604919	-104.5019292	0.13	
3989.00	7.400	85.830	3974.12	27.72	18.40	232.67	40.2604933	-104.5018857	0.29	
4084.00	7.310	84.680	4068.34	29.21	19.41	244.79	40.2604957	-104.5018422	0.18	
4179.00	7.250	85.870	4162.58	30.69	20.40	256.78	40.2604981	-104.5017992	0.17	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	GUTTERSEN STATE C36-755
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	05-123-49071
Facility	SEC.01-T03N-R64W	Wellbore	GUTTERSEN STATE C36-755 AWB
Slot	SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)		

WELLPATH DATA (212 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4273.00	7.270	84.620	4255.82	32.15	21.39	268.62	40.2605004	-104.5017567	0.17	
4368.00	7.290	85.520	4350.06	33.66	22.42	280.61	40.2605029	-104.5017137	0.12	
4463.00	7.240	86.360	4444.29	34.99	23.27	292.60	40.2605048	-104.5016708	0.12	
4558.00	7.150	88.440	4538.55	36.01	23.81	304.48	40.2605060	-104.5016282	0.29	
4652.00	7.120	86.130	4631.82	37.03	24.36	316.14	40.2605071	-104.5015864	0.31	
4747.00	7.380	86.800	4726.06	38.25	25.10	328.11	40.2605088	-104.5015435	0.29	
4842.00	7.170	87.430	4820.29	39.33	25.71	340.12	40.2605101	-104.5015004	0.24	
4936.00	7.320	87.100	4913.54	40.37	26.28	351.96	40.2605112	-104.5014579	0.17	
5031.00	7.450	86.800	5007.75	41.51	26.93	364.16	40.2605127	-104.5014142	0.14	
5126.00	7.090	87.360	5101.99	42.61	27.54	376.16	40.2605140	-104.5013712	0.39	
5220.00	6.990	86.120	5195.28	43.72	28.19	387.66	40.2605154	-104.5013300	0.19	
5315.00	6.780	86.420	5289.60	44.92	28.93	399.03	40.2605171	-104.5012892	0.22	
5410.00	6.620	85.890	5383.95	46.10	29.68	410.09	40.2605188	-104.5012496	0.18	
5504.00	5.830	86.180	5477.39	47.22	30.38	420.25	40.2605204	-104.5012131	0.84	
5599.00	6.700	88.560	5571.83	48.09	30.84	430.61	40.2605214	-104.5011760	0.96	
5694.00	7.070	86.840	5666.14	49.01	31.31	441.99	40.2605223	-104.5011352	0.45	
5789.00	7.250	87.330	5760.40	50.09	31.91	453.81	40.2605236	-104.5010928	0.20	
5884.00	7.170	87.300	5854.65	51.12	32.47	465.72	40.2605247	-104.5010501	0.08	
5978.00	7.200	86.940	5947.91	52.18	33.06	477.46	40.2605260	-104.5010080	0.06	
6073.00	7.550	80.140	6042.13	54.06	34.44	489.56	40.2605294	-104.5009646	0.99	
6168.00	7.880	49.640	6136.30	59.79	39.73	500.67	40.2605436	-104.5009246	4.27	
6263.00	14.170	36.410	6229.52	73.84	53.32	512.55	40.2605805	-104.5008815	7.09	
6358.00	21.350	23.910	6319.96	99.59	78.53	526.49	40.2606493	-104.5008306	8.52	
6452.00	30.120	16.720	6404.58	138.42	116.85	540.24	40.2607540	-104.5007797	9.89	
6547.00	37.580	9.130	6483.46	190.37	168.37	551.71	40.2608951	-104.5007365	9.01	
6642.00	45.900	6.570	6554.28	253.26	230.98	560.23	40.2610667	-104.5007035	8.94	
6737.00	54.450	6.510	6615.07	325.96	303.39	568.53	40.2612652	-104.5006709	9.00	
6832.00	62.650	6.620	6664.59	406.71	383.84	577.79	40.2614857	-104.5006344	8.63	
6926.00	71.610	6.440	6701.09	492.99	469.80	587.62	40.2617213	-104.5005957	9.53	
7021.00	80.560	5.230	6723.91	584.94	561.44	596.97	40.2619726	-104.5005585	9.50	
7116.00	88.740	4.620	6732.76	679.34	655.60	605.08	40.2622308	-104.5005257	8.63	
7131.33†	88.953	4.231	6733.07	694.66	670.88	606.26	40.2622727	-104.5005208	2.89	Cross 200' Hardline (200'FSL & 2315'FWL, SEC.36)
7211.00	90.060	2.210	6733.76	774.31	750.41	610.74	40.2624909	-104.5005016	2.89	
7305.00	90.060	358.910	6733.66	868.25	844.40	611.66	40.2627488	-104.5004945	3.51	
7400.00	89.820	357.670	6733.76	963.02	939.35	608.82	40.2630095	-104.5005008	1.33	
7495.00	89.630	358.120	6734.22	1057.74	1034.29	605.33	40.2632702	-104.5005095	0.51	
7590.00	90.280	357.710	6734.29	1152.46	1129.22	601.87	40.2635309	-104.5005180	0.81	
7685.00	90.220	358.240	6733.88	1247.19	1224.16	598.52	40.2637916	-104.5005262	0.56	
7780.00	89.510	357.710	6734.10	1341.92	1319.10	595.16	40.2640523	-104.5005344	0.93	
7874.00	89.510	357.600	6734.90	1435.60	1413.02	591.32	40.2643102	-104.5005444	0.12	
7969.00	89.820	358.230	6735.46	1530.32	1507.96	587.86	40.2645709	-104.5005529	0.74	
8064.00	89.820	358.150	6735.76	1625.08	1602.91	584.86	40.2648316	-104.5005599	0.08	
8159.00	89.820	358.040	6736.06	1719.82	1697.85	581.70	40.2650923	-104.5005673	0.12	
8253.00	89.480	359.040	6736.63	1813.62	1791.82	579.31	40.2653503	-104.5005721	1.12	
8348.00	90.030	0.220	6737.04	1908.51	1886.82	578.69	40.2656110	-104.5005705	1.37	

noble energy

Actual Wellpath Report

GUTTERSEN STATE C36-755 AWP

Baker Hughes

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	GUTTERSEN STATE C36-755
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	05-123-49071
Facility	SEC.01-T03N-R64W	Wellbore	GUTTERSEN STATE C36-755 AWB
Slot	SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)		

WELLPATH DATA (212 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8443.00	89.940	0.270	6737.06	2003.45	1981.81	579.10	40.2658718	-104.5005652	0.11	
8538.00	89.850	0.320	6737.24	2098.39	2076.81	579.59	40.2661325	-104.5005596	0.11	
8633.00	89.850	0.250	6737.48	2193.33	2171.81	580.06	40.2663932	-104.5005541	0.07	
8727.00	89.910	0.090	6737.68	2287.27	2265.81	580.34	40.2666512	-104.5005493	0.18	
8822.00	89.970	0.510	6737.78	2382.21	2360.81	580.84	40.2669120	-104.5005437	0.45	
8917.00	90.090	0.130	6737.73	2477.15	2455.81	581.37	40.2671727	-104.5005379	0.42	
9012.00	89.970	0.360	6737.68	2572.09	2550.81	581.77	40.2674335	-104.5005326	0.27	
9108.00	89.570	0.200	6738.07	2668.03	2646.80	582.24	40.2676969	-104.5005271	0.45	
9201.00	89.750	359.710	6738.62	2760.95	2739.80	582.17	40.2679522	-104.5005236	0.56	
9298.00	89.880	0.440	6738.93	2857.88	2836.80	582.30	40.2682184	-104.5005192	0.76	
9391.00	89.630	0.250	6739.33	2950.82	2929.80	582.86	40.2684737	-104.5005134	0.34	
9485.00	89.850	0.140	6739.76	3044.76	3023.80	583.18	40.2687317	-104.5005085	0.26	
9580.00	90.460	0.100	6739.50	3139.69	3118.80	583.37	40.2689924	-104.5005040	0.64	
9675.00	89.600	359.350	6739.45	3234.59	3213.79	582.92	40.2692532	-104.5005017	1.20	
9769.00	90.180	0.400	6739.63	3328.51	3307.79	582.71	40.2695112	-104.5004987	1.28	
9864.00	90.490	0.200	6739.07	3423.45	3402.79	583.21	40.2697719	-104.5004931	0.39	
9959.00	90.310	0.470	6738.41	3518.39	3497.78	583.77	40.2700326	-104.5004872	0.34	
10054.00	90.180	0.150	6738.00	3613.33	3592.78	584.28	40.2702934	-104.5004816	0.36	
10148.00	90.120	359.990	6737.76	3707.26	3686.78	584.40	40.2705514	-104.5004774	0.18	
10243.00	90.340	0.410	6737.38	3802.19	3781.78	584.73	40.2708121	-104.5004723	0.50	
10338.00	90.650	0.150	6736.56	3897.13	3876.78	585.19	40.2710728	-104.5004668	0.43	
10433.00	90.460	0.210	6735.64	3992.06	3971.77	585.49	40.2713336	-104.5004619	0.21	
10527.00	90.430	0.390	6734.91	4086.00	4065.77	585.98	40.2715916	-104.5004564	0.19	
10622.00	90.550	0.200	6734.09	4180.94	4160.76	586.47	40.2718523	-104.5004508	0.24	
10717.00	90.280	0.190	6733.41	4275.87	4255.76	586.79	40.2721130	-104.5004458	0.28	
10811.00	91.290	0.160	6732.12	4369.80	4349.75	587.08	40.2723710	-104.5004410	1.07	
10906.00	91.660	0.080	6729.67	4464.70	4444.72	587.28	40.2726317	-104.5004364	0.40	
11001.00	91.350	0.250	6727.18	4559.60	4539.68	587.55	40.2728923	-104.5004316	0.37	
11096.00	91.790	0.100	6724.57	4654.50	4634.65	587.84	40.2731530	-104.5004267	0.49	
11190.00	91.720	0.480	6721.70	4748.40	4728.60	588.32	40.2734108	-104.5004212	0.41	
11285.00	91.420	0.310	6719.09	4843.31	4823.56	588.97	40.2736715	-104.5004150	0.36	
11380.00	91.360	0.200	6716.79	4938.22	4918.53	589.40	40.2739321	-104.5004097	0.13	
11475.00	91.660	0.210	6714.28	5033.12	5013.50	589.74	40.2741928	-104.5004046	0.32	
11569.00	92.060	0.110	6711.23	5127.01	5107.45	590.00	40.2744506	-104.5003999	0.44	
11664.00	91.290	0.240	6708.46	5221.90	5202.41	590.29	40.2747113	-104.5003950	0.82	
11759.00	91.760	359.320	6705.93	5316.77	5297.37	589.92	40.2749719	-104.5003925	1.09	
11854.00	91.690	358.990	6703.07	5411.59	5392.32	588.52	40.2752326	-104.5003937	0.35	
11948.00	90.990	359.330	6700.87	5505.42	5486.28	587.15	40.2754905	-104.5003948	0.83	
12043.00	91.260	358.990	6699.01	5600.26	5581.25	585.75	40.2757513	-104.5003960	0.46	
12138.00	89.290	358.970	6698.55	5695.09	5676.23	584.06	40.2760120	-104.5003982	2.07	
12232.00	89.630	359.720	6699.44	5788.96	5770.22	582.99	40.2762700	-104.5003982	0.88	
12327.00	88.890	359.260	6700.66	5883.84	5865.21	582.14	40.2765308	-104.5003974	0.92	
12422.00	89.230	0.690	6702.22	5978.75	5960.19	582.10	40.2767915	-104.5003937	1.55	
12517.00	89.600	2.990	6703.19	6073.73	6055.13	585.15	40.2770520	-104.5003790	2.45	
12612.00	89.450	2.100	6703.98	6168.73	6150.04	589.37	40.2773123	-104.5003600	0.95	

noble energy

Actual Wellpath Report

GUTTERSEN STATE C36-755 AWP

Baker Hughes

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	GUTTERSEN STATE C36-755
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	05-123-49071
Facility	SEC.01-T03N-R64W	Wellbore	GUTTERSEN STATE C36-755 AWB
Slot	SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)		

WELLPATH DATA (212 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12707.00	88.830	356.620	6705.41	6263.56	6244.98	588.31	40.2775730	-104.5003600	5.80	
12801.00	89.320	358.970	6706.92	6357.25	6338.89	584.69	40.2778308	-104.5003691	2.55	
12896.00	89.510	359.260	6707.89	6452.09	6433.88	583.23	40.2780916	-104.5003706	0.36	
12991.00	89.420	359.460	6708.78	6546.97	6528.87	582.17	40.2783524	-104.5003705	0.23	
13086.00	89.410	359.210	6709.75	6641.83	6623.86	581.06	40.2786131	-104.5003706	0.26	
13181.00	89.510	359.690	6710.65	6736.71	6718.85	580.15	40.2788739	-104.5003701	0.52	
13276.00	90.150	359.630	6710.93	6831.61	6813.84	579.59	40.2791346	-104.5003683	0.68	
13370.00	89.510	358.980	6711.21	6925.48	6907.84	578.45	40.2793927	-104.5003686	0.97	
13465.00	89.380	359.620	6712.13	7020.34	7002.82	577.29	40.2796534	-104.5003689	0.69	
13560.00	89.540	359.790	6713.02	7115.24	7097.82	576.80	40.2799142	-104.5003668	0.25	
13655.00	89.480	359.360	6713.83	7210.13	7192.81	576.09	40.2801749	-104.5003655	0.46	
13750.00	90.090	359.020	6714.19	7304.99	7287.80	574.75	40.2804357	-104.5003664	0.74	
13844.00	90.150	359.700	6713.99	7398.87	7381.79	573.70	40.2806937	-104.5003664	0.73	
13939.00	89.940	0.180	6713.92	7493.79	7476.79	573.60	40.2809545	-104.5003629	0.55	
14034.00	89.970	0.120	6713.99	7588.72	7571.79	573.85	40.2812152	-104.5003582	0.07	
14129.00	88.950	359.430	6714.89	7683.62	7666.79	573.48	40.2814760	-104.5003557	1.30	
14223.00	88.830	359.400	6716.71	7777.48	7760.76	572.52	40.2817339	-104.5003553	0.13	
14318.00	89.170	359.440	6718.37	7872.35	7855.74	571.56	40.2819947	-104.5003550	0.36	
14413.00	89.010	359.330	6719.88	7967.21	7950.73	570.54	40.2822554	-104.5003548	0.20	
14508.00	88.890	359.300	6721.62	8062.07	8045.70	569.40	40.2825161	-104.5003550	0.13	
14603.00	89.140	359.390	6723.25	8156.93	8140.68	568.31	40.2827769	-104.5003551	0.28	
14698.00	88.950	359.270	6724.83	8251.79	8235.66	567.20	40.2830376	-104.5003552	0.24	
14792.00	89.230	359.480	6726.33	8345.65	8329.65	566.18	40.2832956	-104.5003551	0.37	
14887.00	88.950	359.300	6727.84	8440.52	8424.63	565.17	40.2835563	-104.5003549	0.35	
14982.00	89.540	359.550	6729.09	8535.39	8519.62	564.21	40.2838171	-104.5003544	0.67	
15078.00	90.060	359.890	6729.42	8631.29	8615.61	563.74	40.2840806	-104.5003522	0.65	
15171.00	89.850	359.700	6729.50	8724.20	8708.61	563.41	40.2843359	-104.5003497	0.30	
15266.00	89.750	359.410	6729.83	8819.09	8803.61	562.67	40.2845966	-104.5003485	0.32	
15361.00	89.970	359.810	6730.06	8913.99	8898.61	562.03	40.2848574	-104.5003470	0.48	
15456.00	89.010	359.470	6730.91	9008.88	8993.60	561.43	40.2851181	-104.5003453	1.07	
15550.00	89.540	359.650	6732.09	9102.77	9087.59	560.71	40.2853762	-104.5003441	0.60	
15645.00	89.750	359.580	6732.68	9197.66	9182.58	560.07	40.2856369	-104.5003425	0.23	
15740.00	89.940	359.600	6732.94	9292.55	9277.58	559.39	40.2858977	-104.5003411	0.20	
15835.00	89.510	359.510	6733.40	9387.44	9372.58	558.65	40.2861584	-104.5003399	0.46	
15930.00	89.570	359.570	6734.16	9482.33	9467.57	557.89	40.2864192	-104.5003388	0.09	
16024.00	89.320	359.070	6735.07	9576.20	9561.56	556.77	40.2866772	-104.5003390	0.59	
16119.00	89.230	359.090	6736.27	9671.04	9656.54	555.25	40.2869380	-104.5003406	0.10	
16214.00	89.200	358.930	6737.57	9765.88	9751.52	553.61	40.2871987	-104.5003427	0.17	
16309.00	89.110	359.260	6738.97	9860.72	9846.49	552.11	40.2874594	-104.5003442	0.36	
16404.00	89.910	359.300	6739.79	9955.58	9941.48	550.91	40.2877202	-104.5003447	0.84	
16499.00	89.910	359.230	6739.94	10050.45	10036.48	549.70	40.2879810	-104.5003452	0.07	
16593.00	90.000	359.190	6740.01	10144.31	10130.47	548.40	40.2882390	-104.5003460	0.10	
16688.00	90.460	359.270	6739.63	10239.17	10225.46	547.12	40.2884998	-104.5003468	0.49	
16783.00	90.220	359.470	6739.06	10334.05	10320.45	546.08	40.2887605	-104.5003467	0.33	
16878.00	90.520	359.450	6738.45	10428.93	10415.44	545.18	40.2890213	-104.5003460	0.32	

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**GUTTERSEN STATE C36-755**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	05-123-49071
Facility	**SEC.01-T03N-R64W**	Wellbore	**GUTTERSEN STATE C36-755 AWB**
Slot	**SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)**		

WELLPATH DATA (212 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16973.00	90.370	358.970	6737.71	10523.79	10510.43	543.87	40.2892821	-104.5003469	0.53	
17067.00	89.850	359.250	6737.53	10617.64	10604.42	542.41	40.2895401	-104.5003483	0.63	
17162.00	90.150	359.180	6737.53	10712.50	10699.41	541.11	40.2898008	-104.5003492	0.32	
17257.00	90.620	359.270	6736.89	10807.37	10794.40	539.83	40.2900616	-104.5003499	0.50	
17352.00	91.020	359.720	6735.53	10902.24	10889.38	538.99	40.2903224	-104.5003491	0.63	
17447.00	90.650	0.150	6734.15	10997.15	10984.37	538.88	40.2905831	-104.5003456	0.60	
17541.00	90.620	1.010	6733.11	11091.10	11078.36	539.83	40.2908410	-104.5003384	0.92	
17636.00	90.310	0.840	6732.34	11186.07	11173.35	541.37	40.2911017	-104.5003291	0.37	
17731.00	90.680	0.220	6731.52	11281.02	11268.34	542.25	40.2913624	-104.5003221	0.76	
17826.00	90.830	0.440	6730.26	11375.96	11363.33	542.79	40.2916231	-104.5003163	0.28	
17921.00	89.660	359.610	6729.86	11470.88	11458.33	542.83	40.2918838	-104.5003123	1.51	
18015.00	90.580	0.300	6729.66	11564.80	11552.32	542.76	40.2921419	-104.5003088	1.22	
18110.00	89.940	359.640	6729.23	11659.72	11647.32	542.71	40.2924026	-104.5003051	0.97	
18205.00	90.180	358.900	6729.13	11754.58	11742.31	541.50	40.2926634	-104.5003056	0.82	
18300.00	90.800	359.880	6728.32	11849.46	11837.30	540.49	40.2929241	-104.5003054	1.22	
18395.00	91.170	0.560	6726.69	11944.38	11932.29	540.85	40.2931848	-104.5003003	0.81	
18489.00	90.590	0.060	6725.24	12038.31	12026.27	541.36	40.2934428	-104.5002946	0.81	
18584.00	90.460	0.360	6724.37	12133.24	12121.27	541.71	40.2937035	-104.5002896	0.34	
18679.00	90.150	0.350	6723.87	12228.19	12216.27	542.30	40.2939642	-104.5002836	0.33	
18774.00	89.660	359.320	6724.02	12323.10	12311.26	542.02	40.2942250	-104.5002808	1.20	
18868.00	89.600	1.070	6724.63	12417.03	12405.26	542.34	40.2944830	-104.5002758	1.86	
18963.00	89.540	2.210	6725.34	12512.02	12500.21	545.06	40.2947435	-104.5002622	1.20	
19058.00	89.600	358.300	6726.06	12606.94	12595.19	545.49	40.2950042	-104.5002569	4.12	
19153.00	90.030	354.190	6726.36	12701.39	12689.97	539.27	40.2952645	-104.5002753	4.35	
19248.00	90.030	351.410	6726.31	12795.07	12784.21	527.36	40.2955236	-104.5003142	2.93	
19342.00	89.970	349.680	6726.31	12887.10	12876.93	511.92	40.2957786	-104.5003658	1.84	
19532.00	90.090	345.750	6726.21	13070.94	13062.54	471.50	40.2962893	-104.5005032	2.07	
19626.00	90.000	343.010	6726.14	13160.37	13153.06	446.19	40.2965385	-104.5005903	2.92	
19721.00	89.970	340.860	6726.17	13249.43	13243.37	416.74	40.2967873	-104.5006922	2.26	
19816.00	90.550	339.330	6725.73	13337.38	13332.69	384.39	40.2970335	-104.5008045	1.72	
19859.00	91.320	339.180	6725.03	13376.94	13372.90	369.16	40.2971443	-104.5008575	1.82	Last BH MWD Survey
19884.00‡	91.320	339.180	6724.46	13399.93	13396.26	360.28	40.2972087	-104.5008884	0.00	Projection to Bit (2399'FSL & 2111'FWL, SEC.24)

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	GUTTERSEN STATE C36-755
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	05-123-49071
Facility	SEC.01-T03N-R64W	Wellbore	GUTTERSEN STATE C36-755 AWB
Slot	SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
GUTTERSEN STATE C36 Sec.01-T3N-R64W	-17.00	20.15	3070.03	3281388.57	1339308.70	40.2604100	-104.4917200	polygon
	2D Polygon: dimensions not calculated							
GUTTERSEN STATE C36 Sec.24-T4N-R64W	-17.00	20.15	3070.03	3281388.57	1339308.70	40.2604100	-104.4917200	polygon
	2D Polygon: dimensions not calculated							
GUTTERSEN STATE C36 Sec.25-T4N-R64W	-17.00	20.15	3070.03	3281388.57	1339308.70	40.2604100	-104.4917200	polygon
	2D Polygon: dimensions not calculated							
GUTTERSEN STATE C36 Sec.36-T4N-R64W	-17.00	20.15	3070.03	3281388.57	1339308.70	40.2604100	-104.4917200	polygon
	2D Polygon: dimensions not calculated							
GUTTERSEN STATE C36-755 VS Target 2	6695.00	5581.50	573.22	3278891.87	1344869.80	40.2757523	-104.5004409	point
GUTTERSEN STATE C36-755 BHL PLAN (2425'FSL & 2290'FWL,SEC.24)	6697.00	13422.40	538.90	3278857.55	1352710.35	40.2972749	-104.5002470	point
GUTTERSEN STATE C36-755 LP PLAN (200'FSL & 2304'FWL,SEC.36)	6705.00	671.57	594.71	3278913.36	1339960.09	40.2622749	-104.5005622	point
GUTTERSEN STATE C36-755 REV-2 BHL (2425'FSL & 2290'FWL,SEC.24)	6735.00	13422.40	538.90	3278857.55	1352710.35	40.2972749	-104.5002470	point
GUTTERSEN STATE C36-755 REV-2 LP (200'FSL & 2303'FWL,SEC.36)	6735.00	670.88	594.72	**3278913.37**	**1339959.40**	40.2622730	-104.5005622	point
GUTTERSEN STATE C36-755 VS Target 1	6735.00	4180.20	579.36	3278898.01	1343468.57	40.2719059	-104.5004755	point
GUTTERSEN STATE C36-755 VS Target 3	6735.00	8985.26	558.32	3278876.97	1348273.41	40.2850954	-104.5003567	point

WELLPATH COMPOSITION - Ref Wellbore: GUTTERSEN STATE C36-755 AWB Ref Wellpath: GUTTERSEN STATE C36-755 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
0.00	1927.00	OWSG MWD rev2 (MS+IFR1)	13.5" Hole EVO Surface OWSG MWD rev2 (MS+IFR1) <161'-1927'>	GUTTERSEN STATE C36-755 AWB	4/4/2023
1927.00	19884.00	OWSG MWD rev2 (MS+IFR1)	8.5" ATC OWSG MWD rev2 (MS+IFR1) <1999' - 19859'>	GUTTERSEN STATE C36-755 AWB	4/27/2023

Actual Wellpath Report

GUTTERSEN STATE C36-755 AWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**GUTTERSEN STATE C36-755**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	05-123-49071
Facility	**SEC.01-T03N-R64W**	Wellbore	**GUTTERSEN STATE C36-755 AWB**
Slot	**SLOT#14 GUTTERSEN STATE C36-755 (466'FNL & 1707'FWL,SEC.01)**		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
161.00	0.480	325.330	161.00	First BH MWD Survey
7131.33	88.953	4.231	6733.07	Cross 200' Hardline (200'FSL & 2315'FWL, SEC.36)
19859.00	91.320	339.180	6725.03	Last BH MWD Survey
19884.00	91.320	339.180	6724.46	Projection to Bit (2399'FSL & 2111'FWL, SEC.24)