



Planned Wellpath Report

Foose State A17-627 (REV-A.0) PWP

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Well	Foose State A17-627
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.18-T06N-R64W	Wellbore	Foose State A17-627 PWB
Slot	SLOT#07 Foose State A17-627 (2348'FSL & 724'FEL,SEC.18)		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Guenaler
Scale	0.999965	Report Generated	1/13/2023 at 6:07:59 PM
Convergence at slot	0.59° 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	2.32	225.31	3254145.18	1420893.55	40.4851600°	-104.5863200°
Facility Reference Pt			3253919.89	1420891.22	40.4851600°	-104.5871300°
Field Reference Pt			3000000.00	4454105.15	48.7761986°	-105.5000000°

WELLPATH DATUM

Calculation method	Minimum curvature	(4705'GL+30'KB@4735'RKB) (RKB) to Facility Vertical Datum	4735.00ft
Horizontal Reference Pt	Slot	(4705'GL+30'KB@4735'RKB) (RKB) to Mean Sea Level	4735.00ft
Vertical Reference Pt	(4705'GL+30'KB@4735'RKB) (RKB)	(4705'GL+30'KB@4735'RKB) (RKB) to Ground Level at Slot (SLOT#07 Foose State A17-627 (2348'FSL & 724'FEL,SEC.18))	4735.00ft
MD Reference Pt	(4705'GL+30'KB@4735'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	95.57°



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Page 2 of 7



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WELLPATH DATA (181 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	164.058	0.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
30.00	0.000	164.058	30.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	SHL
130.00†	0.000	164.058	130.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
230.00†	0.000	164.058	230.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
330.00†	0.000	164.058	330.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
430.00†	0.000	164.058	430.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
530.00†	0.000	164.058	530.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
630.00†	0.000	164.058	630.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
730.00†	0.000	164.058	730.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
830.00†	0.000	164.058	830.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
930.00†	0.000	164.058	930.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1030.00†	0.000	164.058	1030.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1130.00†	0.000	164.058	1130.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1230.00†	0.000	164.058	1230.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1330.00†	0.000	164.058	1330.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1430.00†	0.000	164.058	1430.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1530.00†	0.000	164.058	1530.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1630.00†	0.000	164.058	1630.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1730.00†	0.000	164.058	1730.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1830.00†	0.000	164.058	1830.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
1930.00†	0.000	164.058	1930.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	
2000.00	0.000	164.058	2000.00	0.00	0.00	0.00	40.4851600	-104.5863200	0.00	End of Tangent
2030.00†	0.600	164.058	2030.00	0.06	-0.15	0.04	40.4851596	-104.5863199	2.00	
2130.00†	2.600	164.058	2129.96	1.08	-2.84	0.81	40.4851522	-104.5863172	2.00	
2230.00†	4.600	164.058	2229.75	3.38	-8.87	2.53	40.4851356	-104.5863112	2.00	
2330.00†	6.600	164.058	2329.27	6.96	-18.26	5.21	40.4851097	-104.5863019	2.00	
2430.00†	8.600	164.058	2428.39	11.81	-30.97	8.85	40.4850747	-104.5862893	2.00	
2530.00†	10.600	164.058	2526.98	17.93	-47.01	13.43	40.4850306	-104.5862735	2.00	
2630.00†	12.600	164.058	2624.93	25.30	-66.34	18.95	40.4849774	-104.5862543	2.00	
2730.00†	14.600	164.058	2722.13	33.93	-88.95	25.41	40.4849151	-104.5862320	2.00	
2791.41	15.828	164.058	2781.38	39.84	-104.44	29.84	40.4848725	-104.5862166	2.00	Build (XS)
2830.00†	15.828	164.058	2818.51	43.70	-114.56	32.73	40.4848446	-104.5862066	0.00	
2930.00†	15.828	164.058	2914.72	53.70	-140.79	40.22	40.4847724	-104.5861806	0.00	
3030.00†	15.828	164.058	3010.93	63.70	-167.02	47.71	40.4847002	-104.5861547	0.00	
3130.00†	15.828	164.058	3107.13	73.70	-193.24	55.20	40.4846280	-104.5861287	0.00	
3230.00†	15.828	164.058	3203.34	83.71	-219.47	62.69	40.4845558	-104.5861028	0.00	
3330.00†	15.828	164.058	3299.55	93.71	-245.70	70.19	40.4844836	-104.5860768	0.00	
3430.00†	15.828	164.058	3395.76	103.71	-271.92	77.68	40.4844115	-104.5860508	0.00	
3530.00†	15.828	164.058	3491.97	113.72	-298.15	85.17	40.4843393	-104.5860249	0.00	
3630.00†	15.828	164.058	3588.18	123.72	-324.38	92.66	40.4842671	-104.5859989	0.00	
3730.00†	15.828	164.058	3684.38	133.72	-350.60	100.15	40.4841949	-104.5859730	0.00	
3830.00†	15.828	164.058	3780.59	143.72	-376.83	107.64	40.4841227	-104.5859470	0.00	
3930.00†	15.828	164.058	3876.80	153.73	-403.06	115.14	40.4840505	-104.5859211	0.00	
4030.00†	15.828	164.058	3973.01	163.73	-429.28	122.63	40.4839783	-104.5858951	0.00	
4130.00†	15.828	164.058	4069.22	173.73	-455.51	130.12	40.4839061	-104.5858691	0.00	



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Page 3 of 7



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Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.18-T06N-R64W	Wellbore	Foose State A17-627 PWB
Slot	SLOT#07 Foose State A17-627 (2348'FSL & 724'FEL,SEC.18)		

WELLPATH DATA (181 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4230.00†	15.828	164.058	4165.43	183.74	-481.73	137.61	40.4838339	-104.5858432	0.00	
4330.00†	15.828	164.058	4261.63	193.74	-507.96	145.10	40.4837617	-104.5858172	0.00	
4430.00†	15.828	164.058	4357.84	203.74	-534.19	152.60	40.4836895	-104.5857913	0.00	
4530.00†	15.828	164.058	4454.05	213.74	-560.41	160.09	40.4836173	-104.5857653	0.00	
4630.00†	15.828	164.058	4550.26	223.75	-586.64	167.58	40.4835451	-104.5857393	0.00	
4730.00†	15.828	164.058	4646.47	233.75	-612.87	175.07	40.4834729	-104.5857134	0.00	
4830.00†	15.828	164.058	4742.68	243.75	-639.09	182.56	40.4834007	-104.5856874	0.00	
4930.00†	15.828	164.058	4838.88	253.76	-665.32	190.05	40.4833285	-104.5856615	0.00	
5030.00†	15.828	164.058	4935.09	263.76	-691.55	197.55	40.4832563	-104.5856355	0.00	
5130.00†	15.828	164.058	5031.30	273.76	-717.77	205.04	40.4831841	-104.5856096	0.00	
5230.00†	15.828	164.058	5127.51	283.76	-744.00	212.53	40.4831119	-104.5855836	0.00	
5330.00†	15.828	164.058	5223.72	293.77	-770.22	220.02	40.4830397	-104.5855576	0.00	
5430.00†	15.828	164.058	5319.93	303.77	-796.45	227.51	40.4829675	-104.5855317	0.00	
5530.00†	15.828	164.058	5416.13	313.77	-822.68	235.01	40.4828953	-104.5855057	0.00	
5630.00†	15.828	164.058	5512.34	323.78	-848.90	242.50	40.4828231	-104.5854798	0.00	
5730.00†	15.828	164.058	5608.55	333.78	-875.13	249.99	40.4827509	-104.5854538	0.00	
5830.00†	15.828	164.058	5704.76	343.78	-901.36	257.48	40.4826787	-104.5854278	0.00	
5930.00†	15.828	164.058	5800.97	353.78	-927.58	264.97	40.4826066	-104.5854019	0.00	
6030.00†	15.828	164.058	5897.18	363.79	-953.81	272.46	40.4825344	-104.5853759	0.00	
6130.00†	15.828	164.058	5993.38	373.79	-980.04	279.96	40.4824622	-104.5853500	0.00	
6230.00†	15.828	164.058	6089.59	383.79	-1006.26	287.45	40.4823900	-104.5853240	0.00	
6330.00†	15.828	164.058	6185.80	393.80	-1032.49	294.94	40.4823178	-104.5852981	0.00	
6353.36	15.828	164.058	6208.27	396.13	-1038.61	296.69	40.4823009	-104.5852920	0.00	KOP
6430.00†	18.782	142.918	6281.51	408.34	-1058.53	307.01	40.4822459	-104.5852556	9.00	
6530.00†	25.015	125.280	6374.35	437.67	-1083.64	334.03	40.4821763	-104.5851594	9.00	
6630.00†	32.506	114.820	6462.01	481.49	-1107.18	375.77	40.4821105	-104.5850103	9.00	
6730.00†	40.562	108.041	6542.32	538.73	-1128.57	431.18	40.4820502	-104.5848119	9.00	
6830.00†	48.901	103.212	6613.32	607.96	-1147.29	498.92	40.4819969	-104.5845691	9.00	
6930.00†	57.395	99.486	6673.26	687.49	-1162.87	577.31	40.4819519	-104.5842879	9.00	
7030.00†	65.981	96.413	6720.65	775.36	-1174.94	664.42	40.4819163	-104.5839752	9.00	
7130.00†	74.619	93.728	6754.33	869.40	-1183.19	758.10	40.4818910	-104.5836388	9.00	
7230.00†	83.288	91.259	6773.48	967.30	-1187.43	856.05	40.4818766	-104.5832869	9.00	
7307.33	90.000	89.415	6778.00 ¹	1044.13	-1187.88	933.20	40.4818732	-104.5830096	9.00	LP/TPZ
7330.00†	90.000	89.415	6778.00	1066.67	-1187.65	955.87	40.4818732	-104.5829281	0.00	
7430.00†	90.000	89.415	6778.00	1166.09	-1186.63	1055.87	40.4818731	-104.5825686	0.00	
7530.00†	90.000	89.415	6778.00	1265.52	-1185.60	1155.86	40.4818731	-104.5822091	0.00	
7630.00†	90.000	89.415	6778.00	1364.94	-1184.58	1255.86	40.4818731	-104.5818496	0.00	
7730.00†	90.000	89.415	6778.00	1464.36	-1183.56	1355.85	40.4818730	-104.5814902	0.00	
7830.00†	90.000	89.415	6778.00	1563.79	-1182.54	1455.85	40.4818730	-104.5811307	0.00	
7930.00†	90.000	89.415	6778.00	1663.21	-1181.52	1555.84	40.4818729	-104.5807712	0.00	
8030.00†	90.000	89.415	6778.00	1762.63	-1180.50	1655.83	40.4818729	-104.5804117	0.00	
8130.00†	90.000	89.415	6778.00	1862.06	-1179.48	1755.83	40.4818728	-104.5800523	0.00	
8230.00†	90.000	89.415	6778.00	1961.48	-1178.46	1855.82	40.4818728	-104.5796928	0.00	
8330.00†	90.000	89.415	6778.00	2060.90	-1177.44	1955.82	40.4818727	-104.5793333	0.00	
8430.00†	90.000	89.415	6778.00	2160.32	-1176.42	2055.81	40.4818727	-104.5789738	0.00	



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Page 4 of 7



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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8530.00†	90.000	89.415	6778.00	2259.75	-1175.40	2155.81	40.4818726	-104.5786144	0.00	
8630.00†	90.000	89.415	6778.00	2359.17	-1174.38	2255.80	40.4818726	-104.5782549	0.00	
8730.00†	90.000	89.415	6778.00	2458.59	-1173.35	2355.80	40.4818725	-104.5778954	0.00	
8830.00†	90.000	89.415	6778.00	2558.02	-1172.33	2455.79	40.4818725	-104.5775360	0.00	
8930.00†	90.000	89.415	6778.00	2657.44	-1171.31	2555.79	40.4818724	-104.5771765	0.00	
9030.00†	90.000	89.415	6778.00	2756.86	-1170.29	2655.78	40.4818724	-104.5768170	0.00	
9130.00†	90.000	89.415	6778.00	2856.29	-1169.27	2755.78	40.4818723	-104.5764575	0.00	
9230.00†	90.000	89.415	6778.00	2955.71	-1168.25	2855.77	40.4818723	-104.5760981	0.00	
9330.00†	90.000	89.415	6778.00	3055.13	-1167.23	2955.77	40.4818722	-104.5757386	0.00	
9430.00†	90.000	89.415	6778.00	3154.56	-1166.21	3055.76	40.4818722	-104.5753791	0.00	
9530.00†	90.000	89.415	6778.00	3253.98	-1165.19	3155.76	40.4818721	-104.5750196	0.00	
9630.00†	90.000	89.415	6778.00	3353.40	-1164.17	3255.75	40.4818720	-104.5746602	0.00	
9730.00†	90.000	89.415	6778.00	3452.83	-1163.15	3355.75	40.4818720	-104.5743007	0.00	
9830.00†	90.000	89.415	6778.00	3552.25	-1162.13	3455.74	40.4818719	-104.5739412	0.00	
9930.00†	90.000	89.415	6778.00	3651.67	-1161.10	3555.74	40.4818718	-104.5735817	0.00	
10030.00†	90.000	89.415	6778.00	3751.10	-1160.08	3655.73	40.4818718	-104.5732223	0.00	
10130.00†	90.000	89.415	6778.00	3850.52	-1159.06	3755.73	40.4818717	-104.5728628	0.00	
10230.00†	90.000	89.415	6778.00	3949.94	-1158.04	3855.72	40.4818716	-104.5725033	0.00	
10330.00†	90.000	89.415	6778.00	4049.37	-1157.02	3955.71	40.4818716	-104.5721438	0.00	
10430.00†	90.000	89.415	6778.00	4148.79	-1156.00	4055.71	40.4818715	-104.5717844	0.00	
10530.00†	90.000	89.415	6778.00	4248.21	-1154.98	4155.70	40.4818714	-104.5714249	0.00	
10630.00†	90.000	89.415	6778.00	4347.64	-1153.96	4255.70	40.4818714	-104.5710654	0.00	
10730.00†	90.000	89.415	6778.00	4447.06	-1152.94	4355.69	40.4818713	-104.5707059	0.00	
10830.00†	90.000	89.415	6778.00	4546.48	-1151.92	4455.69	40.4818712	-104.5703465	0.00	
10930.00†	90.000	89.415	6778.00	4645.91	-1150.90	4555.68	40.4818711	-104.5699870	0.00	
11030.00†	90.000	89.415	6778.00	4745.33	-1149.88	4655.68	40.4818710	-104.5696275	0.00	
11130.00†	90.000	89.415	6778.00	4844.75	-1148.86	4755.67	40.4818710	-104.5692681	0.00	
11230.00†	90.000	89.415	6778.00	4944.17	-1147.83	4855.67	40.4818709	-104.5689086	0.00	
11330.00†	90.000	89.415	6778.00	5043.60	-1146.81	4955.66	40.4818708	-104.5685491	0.00	
11430.00†	90.000	89.415	6778.00	5143.02	-1145.79	5055.66	40.4818707	-104.5681896	0.00	
11530.00†	90.000	89.415	6778.00	5242.44	-1144.77	5155.65	40.4818706	-104.5678302	0.00	
11630.00†	90.000	89.415	6778.00	5341.87	-1143.75	5255.65	40.4818706	-104.5674707	0.00	
11730.00†	90.000	89.415	6778.00	5441.29	-1142.73	5355.64	40.4818705	-104.5671112	0.00	
11830.00†	90.000	89.415	6778.00	5540.71	-1141.71	5455.64	40.4818704	-104.5667517	0.00	
11930.00†	90.000	89.415	6778.00	5640.14	-1140.69	5555.63	40.4818703	-104.5663923	0.00	
12030.00†	90.000	89.415	6778.00	5739.56	-1139.67	5655.63	40.4818702	-104.5660328	0.00	
12130.00†	90.000	89.415	6778.00	5838.98	-1138.65	5755.62	40.4818701	-104.5656733	0.00	
12230.00†	90.000	89.415	6778.00	5938.41	-1137.63	5855.62	40.4818700	-104.5653138	0.00	
12330.00†	90.000	89.415	6778.00	6037.83	-1136.61	5955.61	40.4818699	-104.5649544	0.00	
12430.00†	90.000	89.415	6778.00	6137.25	-1135.58	6055.61	40.4818698	-104.5645949	0.00	
12530.00†	90.000	89.415	6778.00	6236.68	-1134.56	6155.60	40.4818698	-104.5642354	0.00	
12630.00†	90.000	89.415	6778.00	6336.10	-1133.54	6255.60	40.4818697	-104.5638759	0.00	
12730.00†	90.000	89.415	6778.00	6435.52	-1132.52	6355.59	40.4818696	-104.5635165	0.00	
12830.00†	90.000	89.415	6778.00	6534.95	-1131.50	6455.58	40.4818695	-104.5631570	0.00	
12930.00†	90.000	89.415	6778.00	6634.37	-1130.48	6555.58	40.4818694	-104.5627975	0.00	



Planned Wellpath Report

Foose State A17-627 (REV-A.0) PWP
Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Foose State A17-627
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.18-T06N-R64W	Wellbore	Foose State A17-627 PWB
Slot	SLOT#07 Foose State A17-627 (2348'FSL & 724'FEL,SEC.18)		

WELLPATH DATA (181 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13030.00†	90.000	89.415	6778.00	6733.79	-1129.46	6655.57	40.4818693	-104.5624380	0.00	
13130.00†	90.000	89.415	6778.00	6833.22	-1128.44	6755.57	40.4818692	-104.5620786	0.00	
13230.00†	90.000	89.415	6778.00	6932.64	-1127.42	6855.56	40.4818691	-104.5617191	0.00	
13330.00†	90.000	89.415	6778.00	7032.06	-1126.40	6955.56	40.4818690	-104.5613596	0.00	
13430.00†	90.000	89.415	6778.00	7131.49	-1125.38	7055.55	40.4818689	-104.5610002	0.00	
13530.00†	90.000	89.415	6778.00	7230.91	-1124.36	7155.55	40.4818688	-104.5606407	0.00	
13630.00†	90.000	89.415	6778.00	7330.33	-1123.33	7255.54	40.4818686	-104.5602812	0.00	
13730.00†	90.000	89.415	6778.00	7429.75	-1122.31	7355.54	40.4818685	-104.5599217	0.00	
13830.00†	90.000	89.415	6778.00	7529.18	-1121.29	7455.53	40.4818684	-104.5595623	0.00	
13930.00†	90.000	89.415	6778.00	7628.60	-1120.27	7555.53	40.4818683	-104.5592028	0.00	
14030.00†	90.000	89.415	6778.00	7728.02	-1119.25	7655.52	40.4818682	-104.5588433	0.00	
14130.00†	90.000	89.415	6778.00	7827.45	-1118.23	7755.52	40.4818681	-104.5584838	0.00	
14230.00†	90.000	89.415	6778.00	7926.87	-1117.21	7855.51	40.4818680	-104.5581244	0.00	
14330.00†	90.000	89.415	6778.00	8026.29	-1116.19	7955.51	40.4818679	-104.5577649	0.00	
14430.00†	90.000	89.415	6778.00	8125.72	-1115.17	8055.50	40.4818678	-104.5574054	0.00	
14530.00†	90.000	89.415	6778.00	8225.14	-1114.15	8155.50	40.4818676	-104.5570459	0.00	
14630.00†	90.000	89.415	6778.00	8324.56	-1113.13	8255.49	40.4818675	-104.5566865	0.00	
14730.00†	90.000	89.415	6778.00	8423.99	-1112.11	8355.49	40.4818674	-104.5563270	0.00	
14830.00†	90.000	89.415	6778.00	8523.41	-1111.09	8455.48	40.4818673	-104.5559675	0.00	
14930.00†	90.000	89.415	6778.00	8622.83	-1110.06	8555.48	40.4818672	-104.5556080	0.00	
15030.00†	90.000	89.415	6778.00	8722.26	-1109.04	8655.47	40.4818670	-104.5552486	0.00	
15130.00†	90.000	89.415	6778.00	8821.68	-1108.02	8755.46	40.4818669	-104.5548891	0.00	
15230.00†	90.000	89.415	6778.00	8921.10	-1107.00	8855.46	40.4818668	-104.5545296	0.00	
15330.00†	90.000	89.415	6778.00	9020.53	-1105.98	8955.45	40.4818667	-104.5541701	0.00	
15430.00†	90.000	89.415	6778.00	9119.95	-1104.96	9055.45	40.4818665	-104.5538107	0.00	
15530.00†	90.000	89.415	6778.00	9219.37	-1103.94	9155.44	40.4818664	-104.5534512	0.00	
15630.00†	90.000	89.415	6778.00	9318.80	-1102.92	9255.44	40.4818663	-104.5530917	0.00	
15730.00†	90.000	89.415	6778.00	9418.22	-1101.90	9355.43	40.4818662	-104.5527322	0.00	
15830.00†	90.000	89.415	6778.00	9517.64	-1100.88	9455.43	40.4818660	-104.5523728	0.00	
15930.00†	90.000	89.415	6778.00	9617.07	-1099.86	9555.42	40.4818659	-104.5520133	0.00	
16030.00†	90.000	89.415	6778.00	9716.49	-1098.84	9655.42	40.4818658	-104.5516538	0.00	
16130.00†	90.000	89.415	6778.00	9815.91	-1097.81	9755.41	40.4818656	-104.5512944	0.00	
16230.00†	90.000	89.415	6778.00	9915.34	-1096.79	9855.41	40.4818655	-104.5509349	0.00	
16330.00†	90.000	89.415	6778.00	10014.76	-1095.77	9955.40	40.4818654	-104.5505754	0.00	
16430.00†	90.000	89.415	6778.00	10114.18	-1094.75	10055.40	40.4818652	-104.5502159	0.00	
16530.00†	90.000	89.415	6778.00	10213.60	-1093.73	10155.39	40.4818651	-104.5498565	0.00	
16630.00†	90.000	89.415	6778.00	10313.03	-1092.71	10255.39	40.4818649	-104.5494970	0.00	
16730.00†	90.000	89.415	6778.00	10412.45	-1091.69	10355.38	40.4818648	-104.5491375	0.00	
16830.00†	90.000	89.415	6778.00	10511.87	-1090.67	10455.38	40.4818647	-104.5487780	0.00	
16930.00†	90.000	89.415	6778.00	10611.30	-1089.65	10555.37	40.4818645	-104.5484186	0.00	
17030.00†	90.000	89.415	6778.00	10710.72	-1088.63	10655.37	40.4818644	-104.5480591	0.00	
17130.00†	90.000	89.415	6778.00	10810.14	-1087.61	10755.36	40.4818642	-104.5476996	0.00	
17230.00†	90.000	89.415	6778.00	10909.57	-1086.59	10855.36	40.4818641	-104.5473401	0.00	
17330.00†	90.000	89.415	6778.00	11008.99	-1085.57	10955.35	40.4818639	-104.5469807	0.00	
17430.00†	90.000	89.415	6778.00	11108.41	-1084.54	11055.34	40.4818638	-104.5466212	0.00	

REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Well	Foose State A17-627
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.18-T06N-R64W	Wellbore	Foose State A17-627 PWB
Slot	SLOT#07 Foose State A17-627 (2348'FSL & 724'FEL,SEC.18)		

WELLPATH DATA (181 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
17485.92	90.000	89.415	6778.00 ²	11164.01	-1083.97	11111.26	40.4818637	-104.5464202	0.00	BHL

HOLE & CASING SECTIONS - Ref Wellbore: Foose State A17-627 PWB Ref Wellpath: Foose State A17-627 (REV-A.0) PWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	30.00	1950.00	1920.00	30.00	1950.00	0.00	0.00	0.00	0.00

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
OGDP 1 SEC.16-T06N-R64W	N/A	-37.00	7369.34	235.54	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
2D Polygon: dimensions not calculated									
OGDP 1 SEC.17-T06N-R64W	N/A	-37.00	7369.34	235.54	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
2D Polygon: dimensions not calculated									
OGDP 1 SEC.18-T06N-R64W	N/A	-37.00	7369.34	235.54	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
2D Polygon: dimensions not calculated									
2) Foose State A17-627 BHL Rev-1 (1151'FSL & 200'FEL,SEC.16)	17485.92	6778.00	-1083.97	11111.26	3265256.03	1419809.61	40.4818637	-104.5464202	point
1) Foose State A17-627 LP Rev-1 (1145'FSL & 200'FWL,SEC.17)	7307.33	6778.00	-1187.88	933.20	3255078.35	1419705.71	40.4818732	-104.5830096	point

SURVEY PROGRAM - Ref Wellbore: Foose State A17-627 PWB Ref Wellpath: Foose State A17-627 (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	17485.92	OWSG MWD rev2 (MS+IFR1)		Foose State A17-627 PWB



Planned Wellpath Report

Foose State A17-627 (REV-A.0) PWP
Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Foose State A17-627
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.18-T06N-R64W	Wellbore	Foose State A17-627 PWB
Slot	SLOT#07 Foose State A17-627 (2348'FSL & 724'FEL,SEC.18)		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
30.00	0.000	164.058	30.00	SHL
2000.00	0.000	164.058	2000.00	End of Tangent
2791.41	15.828	164.058	2781.38	Build (XS)
6353.36	15.828	164.058	6208.27	KOP
7307.33	90.000	89.415	6778.00	LP/TPZ
17485.92	90.000	89.415	6778.00	BHL