

NOBLE ENERGY, INC

Location: COLORADO Slot: SLOT#07 CARLSON A08-625 (1423°FSL & 844°FEL,SEC.07)

Field: WELD COUNTY (NOBLE NAD 83 GRID) Well: CARLSON A08-625

Facility: SEC.07-T06N-R64W Wellbore: CARLSON A08-625 PWB

Plot reference wellpath is CARLSON A08-625 (REV-B.0) PWP

Grid System: NAD83 / Lambert Colorado SP, Northern Zone (S01), US feet

True vertical depths are referenced to (4726'GL+30'KB@4756'RKB) (RKB)

North Reference: Grid north

Reference wellpath measured depths are referenced to (4726'GL+30'KB@4756'RKB) (RKB)

Scale: True distance

(4726'GL+30'KB@4756'RKB) to Mean Sea Level: 4756 feet

Coordinates are in feet referenced to Slot

Mean Sea Level to Ground level (At Slot: SLOT#07 CARLSON A08-625 (1423°FSL & 844°FEL,SEC.07)): 0 feet

Depths are in feet

Offset wellpath MDs are referenced to each path's default MD datum

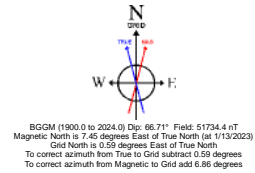
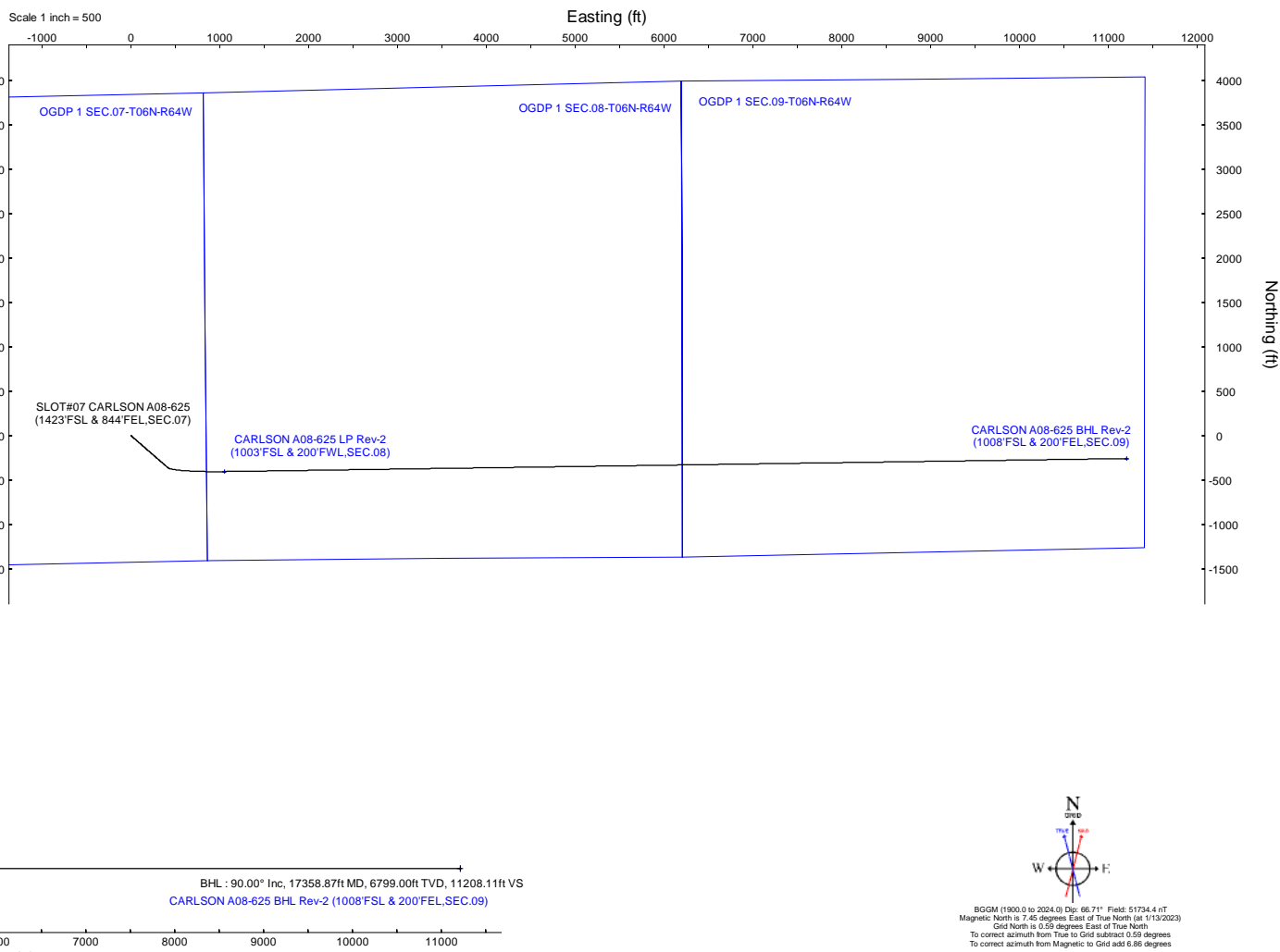
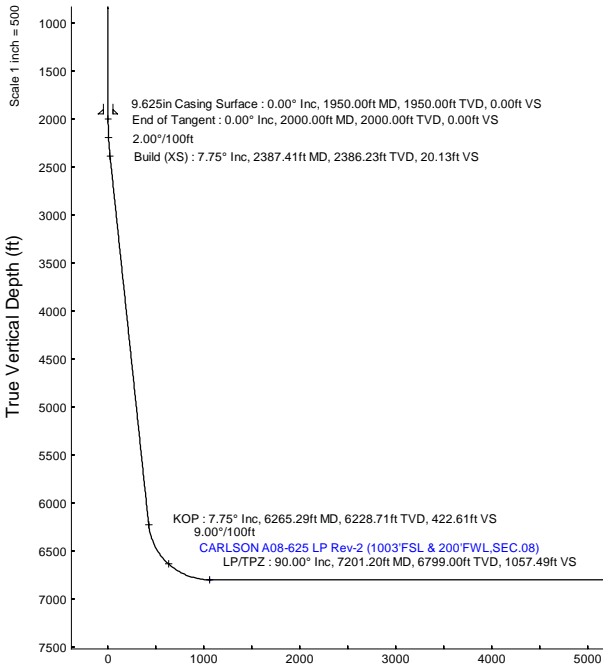
Created by: guanaler on 2023-01-19; Database: WA, Denver

Location Information					
Facility Name		Grid East (US ft)		Latitude	Longitude
SEC.07-T06N-R64W		3254380.716		42°30'19.3680"N	104°35'6.7200"W
Slot		Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
SLOT#07 CARLSON A08-625 (1423°FSL & 844°FEL,SEC.07)		2991.64	-394.68	3253986.046	1425271.079
(4726'GL+30'KB@4756'RKB) (RKB) to Ground level (At Slot: SLOT#07 CARLSON A08-625 (1423°FSL & 844°FEL,SEC.07))				4756ft	
Mean Sea Level to Ground level (At Slot: SLOT#07 CARLSON A08-625 (1423°FSL & 844°FEL,SEC.07))				0ft	
(4726'GL+30'KB@4756'RKB) (RKB) to Mean Sea Level				4756ft	

Survey Program					
Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
30.00	17439.15	OWSG MWD rev2	OWSG MWD rev2 (MS+IFR1)		CARLSON A08-625 PWB

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
SHL	30.00	0.000	130.972	30.00	0.00	0.00	0.00	0.00
End of Tangent	2000.00	0.000	130.972	2000.00	0.00	0.00	0.00	0.00
Build (XS)	2387.41	7.748	130.972	2386.23	-17.15	19.75	2.00	20.13
KOP	6265.29	7.748	130.972	6228.71	-359.96	414.49	0.00	422.61
LP/TPZ	7201.20	90.000	89.174	6799.00	-402.53	1048.57	9.00	1057.49
BHL	17358.87	90.000	89.174	6799.00	-256.02	11205.19	0.00	11208.11

Targets								
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
OGDP 1 SEC.07-T06N-R64W	N/A	-16.00	2991.64	394.68	3254380.72	1428262.61	40°30'19.3680"N	104°35'6.7200"W
OGDP 1 SEC.08-T06N-R64W	N/A	-16.00	2991.64	394.68	3254380.72	1428262.61	40°30'19.3680"N	104°35'6.7200"W
OGDP 1 SEC.09-T06N-R64W	N/A	-16.00	2991.64	394.68	3254380.72	1428262.61	40°30'19.3680"N	104°35'6.7200"W
CARLSON A08-625 BHL Rev-2 (1008°FSL & 200°FEL,SEC.09)	17358.87	6799.00	-256.02	11205.19	3265190.83	1425015.07	40°29'46.1528"N	104°32'47.2320"W
CARLSON A08-625 LP Rev-2 (1003°FSL & 200°FWL,SEC.08)	7201.20	6799.00	-402.53	1048.57	3255034.58	1424868.56	40°29'45.7637"N	104°34'58.7099"W
CARLSON A08-625 BHL Rev-1 (1008°FSL & 200°FEL,SEC.09)	N/A	6880.00	-256.02	11205.19	3265190.83	1425015.07	40°29'46.1528"N	104°32'47.2320"W
CARLSON A08-625 LP Rev-1 (1003°FSL & 200°FWL,SEC.08)	N/A	6880.00	-402.53	1048.57	3255034.58	1424868.56	40°29'45.7637"N	104°34'58.7099"W





Planned Wellpath Report

CARLSON A08-625 (REV-B.0) PWP

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	CARLSON A08-625
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	CARLSON A08-625 PWB
Slot	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)		

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	0.999966	Report Generated	1/19/2023 at 7:17:27 AM
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	-2991.64	-394.68	3253986.05	1425271.08	40.4971800°	-104.5867300°
Facility Reference Pt			3254380.72	1428262.61	40.5053800°	-104.5852000°
Field Reference Pt			3000000.00	4454105.15	48.7761986°	-105.5000000°

WELLPATH DATUM			
Calculation method	Minimum curvature	(4726'GL+30'KB@4756'RKB) (RKB) to Facility Vertical Datum	4756.00ft
Horizontal Reference Pt	Slot	(4726'GL+30'KB@4756'RKB) (RKB) to Mean Sea Level	4756.00ft
Vertical Reference Pt	(4726'GL+30'KB@4756'RKB) (RKB)	(4726'GL+30'KB@4756'RKB) (RKB) to Ground Level at Slot (SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07))	4756.00ft
MD Reference Pt	(4726'GL+30'KB@4756'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	91.31°



Planned Wellpath Report  
CARLSON A08-625 (REV-B.0) PWP  
Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	CARLSON A08-625
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	CARLSON A08-625 PWB
Slot	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)		

WELLPATH DATA (180 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	130.972	0.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
30.00	0.000	130.972	30.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	SHL
130.00†	0.000	130.972	130.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
230.00†	0.000	130.972	230.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
330.00†	0.000	130.972	330.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
430.00†	0.000	130.972	430.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
530.00†	0.000	130.972	530.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
630.00†	0.000	130.972	630.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
730.00†	0.000	130.972	730.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
830.00†	0.000	130.972	830.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
930.00†	0.000	130.972	930.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1030.00†	0.000	130.972	1030.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1130.00†	0.000	130.972	1130.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1230.00†	0.000	130.972	1230.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1330.00†	0.000	130.972	1330.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1430.00†	0.000	130.972	1430.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1530.00†	0.000	130.972	1530.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1630.00†	0.000	130.972	1630.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1730.00†	0.000	130.972	1730.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1830.00†	0.000	130.972	1830.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
1930.00†	0.000	130.972	1930.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	
2000.00	0.000	130.972	2000.00	0.00	0.00	0.00	40.4971800	-104.5867300	0.00	End of Tangent
2030.00†	0.600	130.972	2030.00	0.12	-0.10	0.12	40.4971797	-104.5867296	2.00	
2130.00†	2.600	130.972	2129.96	2.27	-1.93	2.23	40.4971746	-104.5867221	2.00	
2230.00†	4.600	130.972	2229.75	7.10	-6.05	6.97	40.4971632	-104.5867052	2.00	
2330.00†	6.600	130.972	2329.27	14.62	-12.45	14.33	40.4971454	-104.5866789	2.00	
2387.41	7.748	130.972	2386.23	20.13	-17.15	19.75	40.4971324	-104.5866596	2.00	Build (XS)
2430.00†	7.748	130.972	2428.43	24.55	-20.91	24.08	40.4971219	-104.5866442	0.00	
2530.00†	7.748	130.972	2527.52	34.93	-29.75	34.26	40.4970974	-104.5866079	0.00	
2630.00†	7.748	130.972	2626.61	45.31	-38.59	44.44	40.4970728	-104.5865716	0.00	
2730.00†	7.748	130.972	2725.69	55.69	-47.43	54.62	40.4970483	-104.5865354	0.00	
2830.00†	7.748	130.972	2824.78	66.07	-56.27	64.80	40.4970237	-104.5864991	0.00	
2930.00†	7.748	130.972	2923.87	76.45	-65.11	74.98	40.4969992	-104.5864628	0.00	
3030.00†	7.748	130.972	3022.95	86.83	-73.95	85.16	40.4969746	-104.5864266	0.00	
3130.00†	7.748	130.972	3122.04	97.21	-82.79	95.34	40.4969501	-104.5863903	0.00	
3230.00†	7.748	130.972	3221.13	107.58	-91.63	105.52	40.4969255	-104.5863540	0.00	
3330.00†	7.748	130.972	3320.21	117.96	-100.47	115.70	40.4969010	-104.5863177	0.00	
3430.00†	7.748	130.972	3419.30	128.34	-109.31	125.88	40.4968764	-104.5862815	0.00	
3530.00†	7.748	130.972	3518.39	138.72	-118.15	136.06	40.4968519	-104.5862452	0.00	
3630.00†	7.748	130.972	3617.48	149.10	-127.00	146.24	40.4968273	-104.5862089	0.00	
3730.00†	7.748	130.972	3716.56	159.48	-135.84	156.42	40.4968027	-104.5861727	0.00	
3830.00†	7.748	130.972	3815.65	169.86	-144.68	166.59	40.4967782	-104.5861364	0.00	
3930.00†	7.748	130.972	3914.74	180.23	-153.52	176.77	40.4967536	-104.5861001	0.00	
4030.00†	7.748	130.972	4013.82	190.61	-162.36	186.95	40.4967291	-104.5860639	0.00	
4130.00†	7.748	130.972	4112.91	200.99	-171.20	197.13	40.4967045	-104.5860276	0.00	



Planned Wellpath Report  
CARLSON A08-625 (REV-B.0) PWP  
Page 3 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	CARLSON A08-625
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	CARLSON A08-625 PWB
Slot	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)		

WELLPATH DATA (180 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4230.00†	7.748	130.972	4212.00	211.37	-180.04	207.31	40.4966800	-104.5859913	0.00	
4330.00†	7.748	130.972	4311.08	221.75	-188.88	217.49	40.4966554	-104.5859550	0.00	
4430.00†	7.748	130.972	4410.17	232.13	-197.72	227.67	40.4966309	-104.5859188	0.00	
4530.00†	7.748	130.972	4509.26	242.51	-206.56	237.85	40.4966063	-104.5858825	0.00	
4630.00†	7.748	130.972	4608.35	252.89	-215.40	248.03	40.4965818	-104.5858462	0.00	
4730.00†	7.748	130.972	4707.43	263.26	-224.24	258.21	40.4965572	-104.5858100	0.00	
4830.00†	7.748	130.972	4806.52	273.64	-233.08	268.39	40.4965327	-104.5857737	0.00	
4930.00†	7.748	130.972	4905.61	284.02	-241.92	278.57	40.4965081	-104.5857374	0.00	
5030.00†	7.748	130.972	5004.69	294.40	-250.76	288.75	40.4964836	-104.5857011	0.00	
5130.00†	7.748	130.972	5103.78	304.78	-259.60	298.93	40.4964590	-104.5856649	0.00	
5230.00†	7.748	130.972	5202.87	315.16	-268.44	309.11	40.4964345	-104.5856286	0.00	
5330.00†	7.748	130.972	5301.95	325.54	-277.28	319.29	40.4964099	-104.5855923	0.00	
5430.00†	7.748	130.972	5401.04	335.91	-286.12	329.46	40.4963854	-104.5855561	0.00	
5530.00†	7.748	130.972	5500.13	346.29	-294.96	339.64	40.4963608	-104.5855198	0.00	
5630.00†	7.748	130.972	5599.22	356.67	-303.80	349.82	40.4963363	-104.5854835	0.00	
5730.00†	7.748	130.972	5698.30	367.05	-312.64	360.00	40.4963117	-104.5854473	0.00	
5830.00†	7.748	130.972	5797.39	377.43	-321.48	370.18	40.4962872	-104.5854110	0.00	
5930.00†	7.748	130.972	5896.48	387.81	-330.32	380.36	40.4962626	-104.5853747	0.00	
6030.00†	7.748	130.972	5995.56	398.19	-339.16	390.54	40.4962381	-104.5853384	0.00	
6130.00†	7.748	130.972	6094.65	408.56	-348.00	400.72	40.4962135	-104.5853022	0.00	
6230.00†	7.748	130.972	6193.74	418.94	-356.84	410.90	40.4961890	-104.5852659	0.00	
6265.29	7.748	130.972	6228.71	422.61	-359.96	414.49	40.4961803	-104.5852531	0.00	KOP
6330.00†	12.683	112.937	6292.39	432.58	-365.59	424.34	40.4961646	-104.5852179	9.00	
6430.00†	21.207	102.690	6387.98	460.57	-373.86	452.15	40.4961411	-104.5851182	9.00	
6530.00†	30.002	98.210	6478.08	503.21	-381.42	494.63	40.4961191	-104.5849658	9.00	
6630.00†	38.885	95.630	6560.47	559.44	-388.08	550.72	40.4960992	-104.5847644	9.00	
6730.00†	47.806	93.889	6633.12	627.89	-393.68	619.06	40.4960819	-104.5845189	9.00	
6830.00†	56.747	92.583	6694.24	706.86	-398.09	697.95	40.4960676	-104.5842354	9.00	
6930.00†	65.698	91.520	6742.34	794.41	-401.19	785.45	40.4960566	-104.5839209	9.00	
7030.00†	74.657	90.599	6776.21	888.39	-402.91	879.42	40.4960492	-104.5835832	9.00	
7130.00†	83.619	89.755	6795.04	986.48	-403.20	977.52	40.4960457	-104.5832304	9.00	
7201.20	90.000	89.174	6799.00†	1057.49	-402.53	1048.57	40.4960455	-104.5829750	9.00	LP/TPZ
7230.00†	90.000	89.174	6799.00	1086.27	-402.12	1077.37	40.4960458	-104.5828714	0.00	
7330.00†	90.000	89.174	6799.00	1186.20	-400.67	1177.36	40.4960469	-104.5825119	0.00	
7430.00†	90.000	89.174	6799.00	1286.13	-399.23	1277.35	40.4960480	-104.5821523	0.00	
7530.00†	90.000	89.174	6799.00	1386.06	-397.79	1377.34	40.4960491	-104.5817928	0.00	
7630.00†	90.000	89.174	6799.00	1485.99	-396.35	1477.33	40.4960503	-104.5814332	0.00	
7730.00†	90.000	89.174	6799.00	1585.93	-394.90	1577.32	40.4960514	-104.5810737	0.00	
7830.00†	90.000	89.174	6799.00	1685.86	-393.46	1677.31	40.4960525	-104.5807141	0.00	
7930.00†	90.000	89.174	6799.00	1785.79	-392.02	1777.30	40.4960536	-104.5803546	0.00	
8030.00†	90.000	89.174	6799.00	1885.72	-390.58	1877.29	40.4960547	-104.5799950	0.00	
8130.00†	90.000	89.174	6799.00	1985.65	-389.14	1977.27	40.4960558	-104.5796355	0.00	
8230.00†	90.000	89.174	6799.00	2085.58	-387.69	2077.26	40.4960569	-104.5792760	0.00	
8330.00†	90.000	89.174	6799.00	2185.51	-386.25	2177.25	40.4960580	-104.5789164	0.00	
8430.00†	90.000	89.174	6799.00	2285.44	-384.81	2277.24	40.4960592	-104.5785569	0.00	



Planned Wellpath Report  
CARLSON A08-625 (REV-B.0) PWP  
Page 4 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	CARLSON A08-625
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	CARLSON A08-625 PWB
Slot	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)		

WELLPATH DATA (180 stations) † = interpolated, ‡ = extrapolated station											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments	
8530.00†	90.000	89.174	6799.00	2385.37	-383.37	2377.23	40.4960603	-104.5781973	0.00		
8630.00†	90.000	89.174	6799.00	2485.30	-381.92	2477.22	40.4960614	-104.5778378	0.00		
8730.00†	90.000	89.174	6799.00	2585.23	-380.48	2577.21	40.4960625	-104.5774782	0.00		
8830.00†	90.000	89.174	6799.00	2685.16	-379.04	2677.20	40.4960636	-104.5771187	0.00		
8930.00†	90.000	89.174	6799.00	2785.09	-377.60	2777.19	40.4960647	-104.5767591	0.00		
9030.00†	90.000	89.174	6799.00	2885.02	-376.15	2877.18	40.4960658	-104.5763996	0.00		
9130.00†	90.000	89.174	6799.00	2984.95	-374.71	2977.17	40.4960669	-104.5760400	0.00		
9230.00†	90.000	89.174	6799.00	3084.88	-373.27	3077.16	40.4960680	-104.5756805	0.00		
9330.00†	90.000	89.174	6799.00	3184.81	-371.83	3177.15	40.4960691	-104.5753209	0.00		
9430.00†	90.000	89.174	6799.00	3284.74	-370.38	3277.14	40.4960702	-104.5749614	0.00		
9530.00†	90.000	89.174	6799.00	3384.68	-368.94	3377.13	40.4960713	-104.5746018	0.00		
9630.00†	90.000	89.174	6799.00	3484.61	-367.50	3477.12	40.4960724	-104.5742423	0.00		
9730.00†	90.000	89.174	6799.00	3584.54	-366.06	3577.11	40.4960735	-104.5738828	0.00		
9830.00†	90.000	89.174	6799.00	3684.47	-364.61	3677.10	40.4960745	-104.5735232	0.00		
9930.00†	90.000	89.174	6799.00	3784.40	-363.17	3777.09	40.4960756	-104.5731637	0.00		
10030.00†	90.000	89.174	6799.00	3884.33	-361.73	3877.08	40.4960767	-104.5728041	0.00		
10130.00†	90.000	89.174	6799.00	3984.26	-360.29	3977.07	40.4960778	-104.5724446	0.00		
10230.00†	90.000	89.174	6799.00	4084.19	-358.84	4077.06	40.4960789	-104.5720850	0.00		
10330.00†	90.000	89.174	6799.00	4184.12	-357.40	4177.05	40.4960800	-104.5717255	0.00		
10430.00†	90.000	89.174	6799.00	4284.05	-355.96	4277.04	40.4960811	-104.5713659	0.00		
10530.00†	90.000	89.174	6799.00	4383.98	-354.52	4377.02	40.4960822	-104.5710064	0.00		
10630.00†	90.000	89.174	6799.00	4483.91	-353.07	4477.01	40.4960832	-104.5706468	0.00		
10730.00†	90.000	89.174	6799.00	4583.84	-351.63	4577.00	40.4960843	-104.5702873	0.00		
10830.00†	90.000	89.174	6799.00	4683.77	-350.19	4676.99	40.4960854	-104.5699277	0.00		
10930.00†	90.000	89.174	6799.00	4783.70	-348.75	4776.98	40.4960865	-104.5695682	0.00		
11030.00†	90.000	89.174	6799.00	4883.63	-347.31	4876.97	40.4960876	-104.5692086	0.00		
11130.00†	90.000	89.174	6799.00	4983.56	-345.86	4976.96	40.4960886	-104.5688491	0.00		
11230.00†	90.000	89.174	6799.00	5083.49	-344.42	5076.95	40.4960897	-104.5684895	0.00		
11330.00†	90.000	89.174	6799.00	5183.43	-342.98	5176.94	40.4960908	-104.5681300	0.00		
11430.00†	90.000	89.174	6799.00	5283.36	-341.54	5276.93	40.4960919	-104.5677705	0.00		
11530.00†	90.000	89.174	6799.00	5383.29	-340.09	5376.92	40.4960929	-104.5674109	0.00		
11630.00†	90.000	89.174	6799.00	5483.22	-338.65	5476.91	40.4960940	-104.5670514	0.00		
11730.00†	90.000	89.174	6799.00	5583.15	-337.21	5576.90	40.4960951	-104.5666918	0.00		
11830.00†	90.000	89.174	6799.00	5683.08	-335.77	5676.89	40.4960962	-104.5663323	0.00		
11930.00†	90.000	89.174	6799.00	5783.01	-334.32	5776.88	40.4960972	-104.5659727	0.00		
12030.00†	90.000	89.174	6799.00	5882.94	-332.88	5876.87	40.4960983	-104.5656132	0.00		
12130.00†	90.000	89.174	6799.00	5982.87	-331.44	5976.86	40.4960994	-104.5652536	0.00		
12230.00†	90.000	89.174	6799.00	6082.80	-330.00	6076.85	40.4961004	-104.5648941	0.00		
12330.00†	90.000	89.174	6799.00	6182.73	-328.55	6176.84	40.4961015	-104.5645345	0.00		
12430.00†	90.000	89.174	6799.00	6282.66	-327.11	6276.83	40.4961025	-104.5641750	0.00		
12530.00†	90.000	89.174	6799.00	6382.59	-325.67	6376.82	40.4961036	-104.5638154	0.00		
12630.00†	90.000	89.174	6799.00	6482.52	-324.23	6476.81	40.4961047	-104.5634559	0.00		
12730.00†	90.000	89.174	6799.00	6582.45	-322.78	6576.80	40.4961057	-104.5630963	0.00		
12830.00†	90.000	89.174	6799.00	6682.38	-321.34	6676.79	40.4961068	-104.5627368	0.00		
12930.00†	90.000	89.174	6799.00	6782.31	-319.90	6776.78	40.4961078	-104.5623772	0.00		





Planned Wellpath Report  
CARLSON A08-625 (REV-B.0) PWP  
Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	CARLSON A08-625
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	CARLSON A08-625 PWB
Slot	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)		

WELLPATH DATA (180 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	89.174	6799.00	6882.24	-318.46	6876.76	40.4961089	-104.5620177	0.00	
13130.00†	90.000	89.174	6799.00	6982.18	-317.01	6976.75	40.4961100	-104.5616582	0.00	
13230.00†	90.000	89.174	6799.00	7082.11	-315.57	7076.74	40.4961110	-104.5612986	0.00	
13330.00†	90.000	89.174	6799.00	7182.04	-314.13	7176.73	40.4961121	-104.5609391	0.00	
13430.00†	90.000	89.174	6799.00	7281.97	-312.69	7276.72	40.4961131	-104.5605795	0.00	
13530.00†	90.000	89.174	6799.00	7381.90	-311.24	7376.71	40.4961142	-104.5602200	0.00	
13630.00†	90.000	89.174	6799.00	7481.83	-309.80	7476.70	40.4961152	-104.5598604	0.00	
13730.00†	90.000	89.174	6799.00	7581.76	-308.36	7576.69	40.4961163	-104.5595009	0.00	
13830.00†	90.000	89.174	6799.00	7681.69	-306.92	7676.68	40.4961173	-104.5591413	0.00	
13930.00†	90.000	89.174	6799.00	7781.62	-305.47	7776.67	40.4961184	-104.5587818	0.00	
14030.00†	90.000	89.174	6799.00	7881.55	-304.03	7876.66	40.4961194	-104.5584222	0.00	
14130.00†	90.000	89.174	6799.00	7981.48	-302.59	7976.65	40.4961204	-104.5580627	0.00	
14230.00†	90.000	89.174	6799.00	8081.41	-301.15	8076.64	40.4961215	-104.5577031	0.00	
14330.00†	90.000	89.174	6799.00	8181.34	-299.71	8176.63	40.4961225	-104.5573436	0.00	
14430.00†	90.000	89.174	6799.00	8281.27	-298.26	8276.62	40.4961236	-104.5569840	0.00	
14530.00†	90.000	89.174	6799.00	8381.20	-296.82	8376.61	40.4961246	-104.5566245	0.00	
14630.00†	90.000	89.174	6799.00	8481.13	-295.38	8476.60	40.4961257	-104.5562649	0.00	
14730.00†	90.000	89.174	6799.00	8581.06	-293.94	8576.59	40.4961267	-104.5559054	0.00	
14830.00†	90.000	89.174	6799.00	8680.99	-292.49	8676.58	40.4961277	-104.5555458	0.00	
14930.00†	90.000	89.174	6799.00	8780.93	-291.05	8776.57	40.4961288	-104.5551863	0.00	
15030.00†	90.000	89.174	6799.00	8880.86	-289.61	8876.56	40.4961298	-104.5548268	0.00	
15130.00†	90.000	89.174	6799.00	8980.79	-288.17	8976.55	40.4961308	-104.5544672	0.00	
15230.00†	90.000	89.174	6799.00	9080.72	-286.72	9076.54	40.4961319	-104.5541077	0.00	
15330.00†	90.000	89.174	6799.00	9180.65	-285.28	9176.53	40.4961329	-104.5537481	0.00	
15430.00†	90.000	89.174	6799.00	9280.58	-283.84	9276.52	40.4961339	-104.5533886	0.00	
15530.00†	90.000	89.174	6799.00	9380.51	-282.40	9376.50	40.4961350	-104.5530290	0.00	
15630.00†	90.000	89.174	6799.00	9480.44	-280.95	9476.49	40.4961360	-104.5526695	0.00	
15730.00†	90.000	89.174	6799.00	9580.37	-279.51	9576.48	40.4961370	-104.5523099	0.00	
15830.00†	90.000	89.174	6799.00	9680.30	-278.07	9676.47	40.4961380	-104.5519504	0.00	
15930.00†	90.000	89.174	6799.00	9780.23	-276.63	9776.46	40.4961391	-104.5515908	0.00	
16030.00†	90.000	89.174	6799.00	9880.16	-275.18	9876.45	40.4961401	-104.5512313	0.00	
16130.00†	90.000	89.174	6799.00	9980.09	-273.74	9976.44	40.4961411	-104.5508717	0.00	
16230.00†	90.000	89.174	6799.00	10080.02	-272.30	10076.43	40.4961421	-104.5505122	0.00	
16330.00†	90.000	89.174	6799.00	10179.95	-270.86	10176.42	40.4961431	-104.5501526	0.00	
16430.00†	90.000	89.174	6799.00	10279.88	-269.41	10276.41	40.4961442	-104.5497931	0.00	
16530.00†	90.000	89.174	6799.00	10379.81	-267.97	10376.40	40.4961452	-104.5494335	0.00	
16630.00†	90.000	89.174	6799.00	10479.75	-266.53	10476.39	40.4961462	-104.5490740	0.00	
16730.00†	90.000	89.174	6799.00	10579.68	-265.09	10576.38	40.4961472	-104.5487144	0.00	
16830.00†	90.000	89.174	6799.00	10679.61	-263.64	10676.37	40.4961482	-104.5483549	0.00	
16930.00†	90.000	89.174	6799.00	10779.54	-262.20	10776.36	40.4961492	-104.5479954	0.00	
17030.00†	90.000	89.174	6799.00	10879.47	-260.76	10876.35	40.4961502	-104.5476358	0.00	
17130.00†	90.000	89.174	6799.00	10979.40	-259.32	10976.34	40.4961513	-104.5472763	0.00	
17230.00†	90.000	89.174	6799.00	11079.33	-257.88	11076.33	40.4961523	-104.5469167	0.00	
17330.00†	90.000	89.174	6799.00	11179.26	-256.43	11176.32	40.4961533	-104.5465572	0.00	
17358.87	90.000	89.174	6799.00 <sup>2</sup>	11208.11	-256.02	11205.19	40.4961536	-104.5464533	0.00	BHL



Planned Wellpath Report

CARLSON A08-625 (REV-B.0) PWP

Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	CARLSON A08-625
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	CARLSON A08-625 PWB
Slot	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)		

HOLE & CASING SECTIONS - Ref Wellbore: CARLSON A08-625 PWB    Ref Wellpath: CARLSON A08-625 (REV-B.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.07-T06N-R64W	N/A	-16.00	2991.64	394.68	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
	2D Polygon: dimensions not calculated								
OGDP 1 SEC.08-T06N-R64W	N/A	-16.00	2991.64	394.68	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
	2D Polygon: dimensions not calculated								
OGDP 1 SEC.09-T06N-R64W	N/A	-16.00	2991.64	394.68	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
	2D Polygon: dimensions not calculated								
2) CARLSON A08-625 BHL Rev-2 (1008'FSL & 200'FEL,SEC.09)	17358.87	6799.00	-256.02	11205.19	3265190.83	1425015.07	40.4961536	-104.5464533	point
1) CARLSON A08-625 LP Rev-2 (1003'FSL & 200'FWL,SEC.08)	7201.20	6799.00	-402.53	1048.57	3255034.58	1424868.56	40.4960455	-104.5829750	point
CARLSON A08-625 BHL Rev-1 (1008'FSL & 200'FEL,SEC.09)	N/A	6880.00	-256.02	11205.19	3265190.83	1425015.07	40.4961536	-104.5464533	point
CARLSON A08-625 LP Rev-1 (1003'FSL & 200'FWL,SEC.08)	N/A	6880.00	-402.53	1048.57	3255034.58	1424868.56	40.4960455	-104.5829750	point

SURVEY PROGRAM - Ref Wellbore: CARLSON A08-625 PWB    Ref Wellpath: CARLSON A08-625 (REV-B.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	17439.15	OWSG MWD rev2 (MS+IFR1)		CARLSON A08-625 PWB



Planned Wellpath Report  
CARLSON A08-625 (REV-B.0) PWP  
Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	CARLSON A08-625
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	CARLSON A08-625 PWB
Slot	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
30.00	0.000	130.972	30.00	SHL
2000.00	0.000	130.972	2000.00	End of Tangent
2387.41	7.748	130.972	2386.23	Build (XS)
6265.29	7.748	130.972	6228.71	KOP
7201.20	90.000	89.174	6799.00	LP/TPZ
17358.87	90.000	89.174	6799.00	BHL