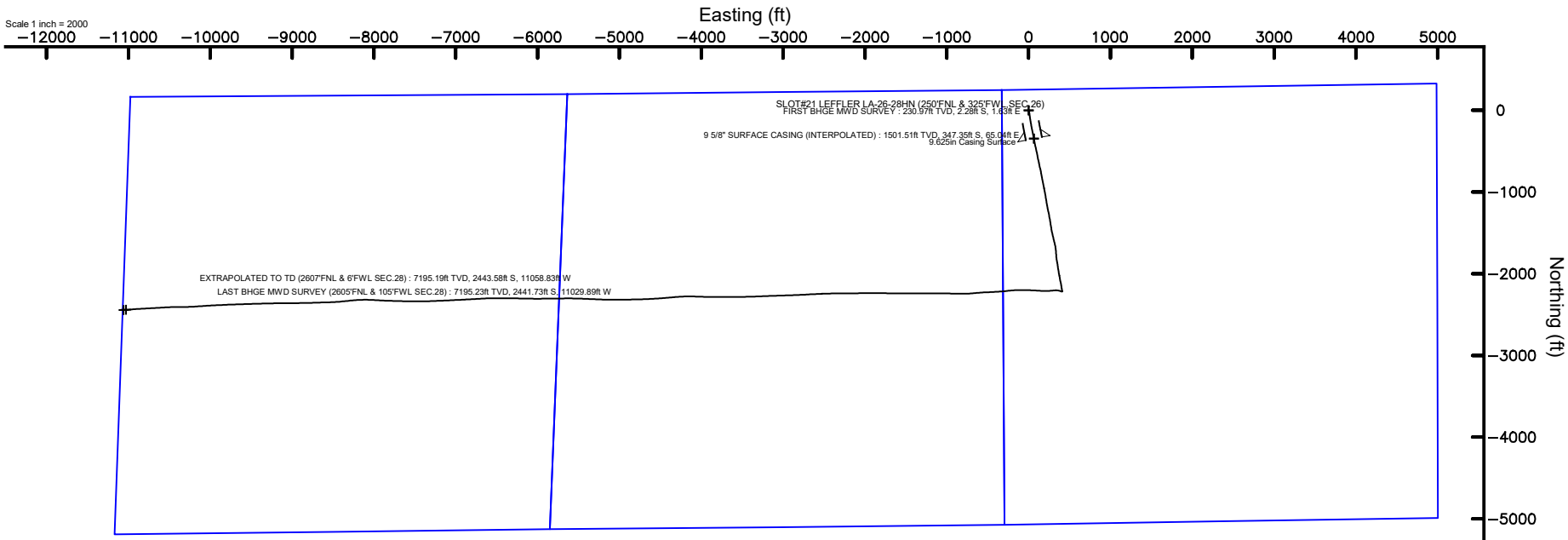

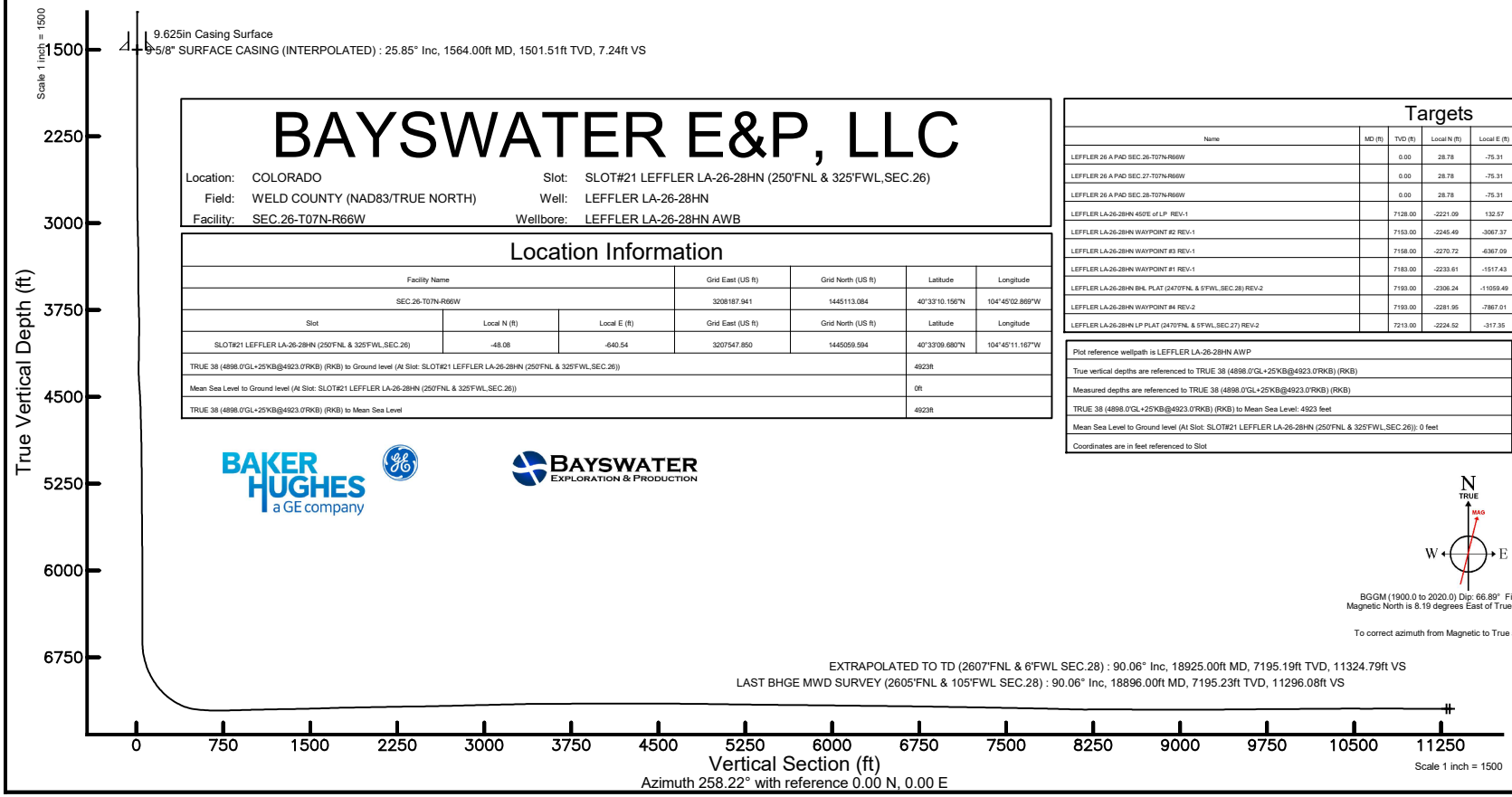

BAYSWATER E&P, LLC

Location:	COLORADO	Slot:	SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)
Field:	WELD COUNTY (NAD83/TRUE NORTH)	Well:	LEFFLER LA-26-28HN
Facility:	SEC.26-T07N-R66W	Wellbore:	LEFFLER LA-26-28HN AWB

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.26-T07N-R66W			3208187.941	1445113.084	40°33'10.156"N	104°45'02.869"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)	-48.08	-640.54	3207547.850	1445059.594	40°33'09.680"N	104°45'11.167"W
TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB) to Ground level (At Slot: SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26))					4923ft	
Mean Sea Level to Ground level (At Slot: SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26))					0ft	
TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB) to Mean Sea Level					4923ft	

Targets

Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
LEFFLER 26 A PAD SEC.26-T07N-R66W		0.00	28.78	-75.31	3207472.30	1445087.74	40°33'09.965"N	104°45'12.143"W
LEFFLER 26 A PAD SEC.27-T07N-R66W		0.00	28.78	-75.31	3207472.30	1445087.74	40°33'09.965"N	104°45'12.143"W
LEFFLER 26 A PAD SEC.28-T07N-R66W		0.00	28.78	-75.31	3207472.30	1445087.74	40°33'09.965"N	104°45'12.143"W
LEFFLER LA-26-28HN 450'E of LP REV-1		7128.00	-2221.09	132.57	3207699.11	1442839.77	40°32'47.733"N	104°45'09.450"W
LEFFLER LA-26-28HN WAYPOINT #2 REV-1		7153.00	-2245.49	-3067.37	3204499.60	1442788.42	40°32'47.490"N	104°45'50.900"W
LEFFLER LA-26-28HN WAYPOINT #3 REV-1		7158.00	-2270.72	-6367.09	3201200.31	1442735.40	40°32'47.234"N	104°46'33.643"W
LEFFLER LA-26-28HN WAYPOINT #1 REV-1		7183.00	-2233.61	-1517.43	3206049.34	1442813.35	40°32'47.609"N	104°45'30.823"W
LEFFLER LA-26-28HN BHL PLAT (2470'FNL & 5'FWL,SEC.28) REV-2		7193.00	-2306.24	-11059.49	3196508.52	1442660.36	40°32'46.867"N	104°47'34.426"W
LEFFLER LA-26-28HN WAYPOINT #4 REV-2		7193.00	-2281.95	-7867.01	3199700.58	1442711.54	40°32'47.119"N	104°46'53.072"W
LEFFLER LA-26-28HN LP PLAT (2470'FNL & 5'FWL,SEC.27) REV-2		7213.00	-2224.52	-317.35	3207249.26	1442832.54	40°32'47.699"N	104°45'15.278"W

Plot reference wellpath is LEFFLER LA-26-28HN AWP	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB)	North Reference: True north
Measured depths are referenced to TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB)	Scale: True distance
TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB) to Mean Sea Level: 4923 feet	Depths are in feet
Mean Sea Level to Ground level (At Slot: SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)): 0 feet	Created by: manajohj on 2019-08-29
Coordinates are in feet referenced to Slot	Database: WADB

BGGM (1900.0 to 2020.0) Dip: 66.89° Field: 52284.8 nT
Magnetic North is 8.19 degrees East of True North (at 6/6/2019)

To correct azimuth from Magnetic to True add 8.19 degrees

Actual Wellpath Report

LEFFLER LA-26-28HN AWP

REFERENCE WELLPATH IDENTIFICATION

Operator	**BAYSWATER E&P, LLC**	Slot	**SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)**
Area	**COLORADO**	Well	**LEFFLER LA-26-28HN**
Field	**WELD COUNTY (NAD83/TRUE NORTH)**	Wellbore	**LEFFLER LA-26-28HN AWB**
Facility	**SEC.26-T07N-R66W**		

REPORT SETUP INFORMATION

Projection System	**NAD83 / Lambert Colorado SP, Northern Zone (501), US feet**	Software System	**WellArchitect® 5.1**
North Reference	**True**	User	**Manajohj**
Scale	**0.999971**	Report Generated	**8/29/2019** at **11:26:07 AM**
Convergence at slot	**0.48° East**	Database/Source file	**WADB/LEFFLER_LA-26-28HN_AWP.xml**

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	-48.08	-640.54	3207547.85	1445059.59	**40°33'09.680"N**	**104°45'11.167"W**
Facility Reference Pt			3208187.94	1445113.08	**40°33'10.156"N**	**104°45'02.869"W**
Field Reference Pt			3174587.00	1430859.71	**40°30'51.890"N**	**104°52'19.470"W**

WELLPATH DATUM

Calculation method	**Minimum curvature**	TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB) to Facility Vertical Datum	**4923.00ft**
Horizontal Reference Pt	**Slot**	TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB) to Mean Sea Level	**4923.00ft**
Vertical Reference Pt	**TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB)**	TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB) to Ground Level at Slot (SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26))	**4923.00ft**
MD Reference Pt	**TRUE 38 (4898.0'GL+25'KB@4923.0'RKB) (RKB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**258.22°**

Actual Wellpath Report

LEFFLER LA-26-28HN AWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	**BAYSWATER E&P, LLC**	Slot	**SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)**
Area	**COLORADO**	Well	**LEFFLER LA-26-28HN**
Field	**WELD COUNTY (NAD83/TRUE NORTH)**	Wellbore	**LEFFLER LA-26-28HN AWB**
Facility	**SEC.26-T07N-R66W**		

WELLPATH DATA (202 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Toolface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	144.410	0.00	-4923.00	0.00	0.00	0.00	40°33'09.680"N	104°45'11.167"W	0.00	0.00	0.00	0.00	KB
25.00	0.000	144.410	25.00	-4898.00	0.00	0.00	0.00	40°33'09.680"N	104°45'11.167"W	0.00	144.41	0.00	0.00	GL
231.00	1.560	144.410	230.97	-4692.03	-1.13	-2.28	1.63	40°33'09.658"N	104°45'11.146"W	0.76	10.25	0.76	70.10	FIRST BHGE MWD SURVEY
325.00	2.570	148.460	324.91	-4598.09	-2.36	-5.12	3.48	40°33'09.630"N	104°45'11.122"W	1.08	38.76	1.07	4.31	
419.00	3.820	162.320	418.77	-4504.23	-3.40	-9.90	5.53	40°33'09.583"N	104°45'11.096"W	1.55	26.14	1.33	14.74	
514.00	6.440	173.330	513.38	-4409.62	-3.25	-18.21	7.11	40°33'09.501"N	104°45'11.075"W	2.93	-11.47	2.76	11.59	
609.00	7.860	171.230	607.64	-4315.36	-2.43	-29.92	8.72	40°33'09.385"N	104°45'11.054"W	1.52	6.15	1.49	-2.21	
703.00	10.350	172.720	700.45	-4222.55	-1.43	-44.65	10.77	40°33'09.239"N	104°45'11.028"W	2.66	3.20	2.65	1.59	
798.00	14.100	173.580	793.28	-4129.72	0.32	-64.62	13.15	40°33'09.042"N	104°45'10.997"W	3.95	-19.53	3.95	0.91	
893.00	16.470	170.640	884.91	-4038.09	1.97	-89.41	16.63	40°33'08.797"N	104°45'10.952"W	2.62	5.13	2.49	-3.09	
987.00	18.970	171.330	974.44	-3948.56	3.36	-117.67	21.10	40°33'08.518"N	104°45'10.894"W	2.67	-9.68	2.66	0.73	
1082.00	21.560	170.130	1063.56	-3859.44	4.78	-150.13	26.42	40°33'08.197"N	104°45'10.825"W	2.76	-1.52	2.73	-1.26	
1177.00	23.190	170.020	1151.40	-3771.60	5.95	-185.75	32.66	40°33'07.845"N	104°45'10.744"W	1.72	-8.37	1.72	-0.12	
1271.00	24.970	169.400	1237.22	-3685.78	6.94	-223.49	39.52	40°33'07.472"N	104°45'10.655"W	1.91	-63.98	1.89	-0.66	
1365.00	25.400	167.410	1322.28	-3600.72	7.06	-262.66	47.56	40°33'07.085"N	104°45'10.551"W	1.01	39.95	0.46	-2.12	
1460.00	25.920	168.400	1407.91	-3515.09	6.84	-302.89	56.18	40°33'06.687"N	104°45'10.439"W	0.71	123.74	0.55	1.04	
1508.00	25.810	168.780	1451.11	-3471.89	6.97	-323.41	60.32	40°33'06.485"N	104°45'10.386"W	0.41	57.51	-0.23	0.79	
1564.00†	25.845	168.906	1501.51	-3421.49	7.24	-347.35	65.04	40°33'06.248"N	104°45'10.325"W	0.12	57.40	0.06	0.23	9 5/8" SURFACE CASING (INTERPOLATED)
1595.00	25.865	168.976	1529.41	-3393.59	7.41	-360.62	67.63	40°33'06.117"N	104°45'10.291"W	0.12	175.04	0.06	0.23	
1690.00	25.618	169.025	1614.98	-3308.02	7.97	-401.12	75.51	40°33'05.717"N	104°45'10.189"W	0.26	-72.79	-0.26	0.05	
1784.00	25.723	168.261	1699.70	-3223.30	8.27	-441.04	83.52	40°33'05.322"N	104°45'10.085"W	0.37	-56.40	0.11	-0.81	
1879.00	26.023	167.245	1785.18	-3137.82	7.93	-481.55	92.32	40°33'04.922"N	104°45'09.971"W	0.56	-133.91	0.32	-1.07	
1973.00	25.885	166.916	1869.70	-3053.30	7.11	-521.65	101.52	40°33'04.526"N	104°45'09.852"W	0.21	23.16	-0.15	-0.35	
2067.00	30.391	170.679	1952.58	-2970.42	7.66	-565.13	110.02	40°33'04.096"N	104°45'09.742"W	5.15	-163.46	4.79	4.00	
2162.00	25.271	167.089	2036.57	-2886.43	8.29	-608.64	118.45	40°33'03.666"N	104°45'09.633"W	5.67	62.57	-5.39	-3.78	
2256.00	25.488	168.048	2121.49	-2801.51	7.84	-647.98	127.12	40°33'03.277"N	104°45'09.520"W	0.49	8.15	0.23	1.02	
2351.00	26.318	168.316	2206.95	-2716.05	7.81	-688.60	135.62	40°33'02.876"N	104°45'09.410"W	0.88	-169.54	0.87	0.28	
2446.00	20.057	164.933	2294.24	-2628.76	6.91	-724.99	144.13	40°33'02.516"N	104°45'09.300"W	6.73	29.95	-6.59	-3.56	
2540.00	23.572	169.884	2381.50	-2541.50	6.53	-759.07	151.62	40°33'02.180"N	104°45'09.203"W	4.22	5.32	3.74	5.27	
2635.00	26.265	170.450	2467.65	-2455.35	7.90	-798.51	158.45	40°33'01.790"N	104°45'09.115"W	2.85	-130.63	2.83	0.60	
2729.00	25.920	169.522	2552.07	-2370.93	9.17	-839.22	165.63	40°33'01.388"N	104°45'09.022"W	0.57	-124.86	-0.37	-0.99	
2824.00	25.545	168.256	2637.65	-2285.35	9.66	-879.69	173.58	40°33'00.988"N	104°45'08.919"W	0.70	-84.67	-0.39	-1.33	
2918.00	25.589	167.258	2722.44	-2200.56	9.33	-919.34	182.18	40°33'00.596"N	104°45'08.807"W	0.46	107.32	0.05	-1.06	
3012.00	25.290	169.641	2807.33	-2115.67	9.49	-958.89	190.27	40°33'00.205"N	104°45'08.702"W	1.13	-48.91	-0.32	2.53	
3106.00	25.828	168.244	2892.13	-2030.87	9.99	-998.69	198.05	40°32'59.812"N	104°45'08.602"W	0.86	61.73	0.57	-1.49	
3201.00	26.601	171.318	2977.36	-1945.64	11.15	-1039.98	205.48	40°32'59.404"N	104°45'08.505"W	1.64	-129.42	0.81	3.24	
3295.00	26.049	169.766	3061.62	-1861.38	12.84	-1081.09	212.32	40°32'58.998"N	104°45'08.417"W	0.94	87.58	-0.59	-1.65	
3390.00	26.091	171.457	3146.95	-1776.05	14.58	-1122.28	219.13	40°32'58.591"N	104°45'08.329"W	0.78	-46.29	0.04	1.78	
3484.00	26.210	171.175	3231.33	-1691.67	16.82	-1163.23	225.39	40°32'58.186"N	104°45'08.248"W	0.18	-93.92	0.13	-0.30	
3579.00	26.144	166.954	3316.59	-1606.41	17.44	-1204.36	233.33	40°32'57.780"N	104°45'08.145"W	1.96	134.26	-0.07	-4.44	
3673.00	25.854	167.639	3401.08	-1521.92	16.77	-1244.55	242.39	40°32'57.382"N	104°45'08.027"W	0.44	69.59	-0.31	0.73	
3768.00	26.250	169.930	3486.43	-1436.57	17.19	-1285.47	250.50	40°32'56.978"N	104°45'07.922"W	1.14	-97.85	0.42	2.41	
3862.00	26.183	168.752	3570.76	-1352.24	18.00	-1326.28	258.18	40°32'56.575"N	104°45'07.823"W	0.56	77.29	-0.07	-1.25	
3957.00	26.497	171.600	3655.90	-1267.10	19.45	-1367.80	265.36	40°32'56.165"N	104°45'07.730"W	1.37	-73.97	0.33	3.00	
4051.00	26.584	170.935	3740.00	-1183.00	21.68	-1409.32	271.74	40°32'55.754"N	104°45'07.647"W	0.33	153.00	0.09	-0.71	

REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Slot	SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER LA-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER LA-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (202 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Toolface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
4146.00	26.204	171.375	3825.09	-1097.91	23.84	-1451.05	278.24	40°32'55.342"N	104°45'07.563"W	0.45	-94.05	-0.40	0.46	
4241.00	26.133	166.991	3910.36	-1012.64	24.54	-1492.17	286.09	40°32'54.936"N	104°45'07.461"W	2.04	-106.87	-0.07	-4.61	
4335.00	26.053	166.380	3994.78	-928.22	23.44	-1532.41	295.61	40°32'54.538"N	104°45'07.338"W	0.30	52.52	-0.09	-0.65	
4430.00	26.613	167.982	4079.93	-843.07	22.68	-1573.49	304.96	40°32'54.132"N	104°45'07.217"W	0.95	-111.55	0.59	1.69	
4524.00	26.194	165.456	4164.12	-758.88	21.59	-1614.17	314.55	40°32'53.730"N	104°45'07.093"W	1.28	69.40	-0.44	-2.69	
4619.00	26.490	167.159	4249.26	-673.74	20.18	-1655.12	324.52	40°32'53.325"N	104°45'06.963"W	0.85	95.37	0.31	1.79	
4713.00	26.365	173.554	4333.45	-589.55	21.74	-1696.31	331.53	40°32'52.918"N	104°45'06.873"W	3.03	84.57	-0.13	6.80	
4808.00	26.493	176.062	4418.53	-504.47	26.59	-1738.41	335.35	40°32'52.502"N	104°45'06.823"W	1.18	-177.22	0.13	2.64	
4902.00	26.146	176.024	4502.78	-420.22	32.26	-1779.99	338.23	40°32'52.092"N	104°45'06.786"W	0.37	-75.50	-0.37	-0.04	
4997.00	26.716	171.683	4587.86	-335.14	36.39	-1822.01	342.77	40°32'51.676"N	104°45'06.727"W	2.12	-135.81	0.60	-4.57	
5092.00	25.945	169.946	4673.00	-250.00	38.31	-1863.60	349.49	40°32'51.265"N	104°45'06.640"W	1.15	88.19	-0.81	-1.83	
5186.00	25.987	171.947	4757.52	-165.48	40.26	-1904.24	355.96	40°32'50.864"N	104°45'06.556"W	0.93	-72.09	0.04	2.13	
5281.00	26.111	171.093	4842.87	-80.13	42.66	-1945.50	362.11	40°32'50.456"N	104°45'06.477"W	0.42	-94.83	0.13	-0.90	
5376.00	26.070	169.843	4928.19	5.19	44.30	-1986.70	369.03	40°32'50.049"N	104°45'06.387"W	0.58	-162.44	-0.04	-1.32	
5471.00	23.980	168.209	5014.27	91.27	44.89	-2026.15	376.66	40°32'49.659"N	104°45'06.288"W	2.32	155.71	-2.20	-1.72	
5565.00	21.210	171.708	5101.05	178.05	45.92	-2061.68	383.02	40°32'49.308"N	104°45'06.206"W	3.27	-132.00	-2.95	3.72	
5659.00	19.943	167.410	5189.05	266.05	46.73	-2094.16	388.96	40°32'48.987"N	104°45'06.129"W	2.10	174.77	-1.35	-4.57	
5753.00	16.347	168.579	5278.36	355.36	46.58	-2122.78	395.08	40°32'48.704"N	104°45'06.050"W	3.84	173.13	-3.83	1.24	
5847.00	13.113	170.298	5369.26	446.26	47.05	-2146.26	399.50	40°32'48.472"N	104°45'05.992"W	3.47	169.99	-3.44	1.83	
5942.00	10.956	172.307	5462.17	539.17	48.09	-2165.83	402.52	40°32'48.279"N	104°45'05.953"W	2.31	-157.27	-2.27	2.11	
6037.00	9.306	167.960	5555.69	632.69	48.70	-2182.29	405.33	40°32'48.116"N	104°45'05.917"W	1.91	148.55	-1.74	-4.58	
6130.00	8.061	173.566	5647.62	724.62	49.27	-2196.13	407.63	40°32'47.980"N	104°45'05.887"W	1.62	177.44	-1.34	6.03	
6225.00	6.588	174.141	5741.84	818.84	50.45	-2208.17	408.93	40°32'47.861"N	104°45'05.870"W	1.55	174.53	-1.55	0.61	
6319.00	2.661	182.321	5835.52	912.52	51.54	-2215.72	409.40	40°32'47.786"N	104°45'05.864"W	4.23	-179.99	-4.18	8.70	
6414.00	0.111	182.031	5930.48	1007.48	52.10	-2218.01	409.30	40°32'47.763"N	104°45'05.865"W	2.68	-161.66	-2.68	-0.30	
6509.00	0.044	73.706	6025.48	1102.48	52.08	-2218.09	409.34	40°32'47.763"N	104°45'05.865"W	0.14	180.00	-0.07	-114.03	
6603.00	0.000	98.187	6119.48	1196.48	52.05	-2218.08	409.37	40°32'47.763"N	104°45'05.864"W	0.05	-2.41	-0.05	-78.41	
6698.00	0.138	357.595	6214.48	1291.48	52.03	-2217.97	409.36	40°32'47.764"N	104°45'05.864"W	0.14	135.17	0.14	-2.53	
6793.00	0.097	38.399	6309.48	1386.48	51.95	-2217.79	409.41	40°32'47.766"N	104°45'05.864"W	0.09	124.55	-0.04	42.95	
6981.00	0.154	131.561	6497.48	1574.48	51.68	-2217.83	409.70	40°32'47.765"N	104°45'05.860"W	0.10	12.61	0.03	49.55	
7076.00	0.333	138.380	6592.48	1669.48	51.46	-2218.13	409.98	40°32'47.762"N	104°45'05.857"W	0.19	140.08	0.19	7.18	
7170.00	6.513	276.589	6686.29	1763.29	56.39	-2217.72	404.86	40°32'47.766"N	104°45'05.923"W	7.20	22.46	6.57	147.03	
7265.00	17.185	290.855	6779.14	1856.14	73.38	-2212.09	386.33	40°32'47.822"N	104°45'06.163"W	11.57	-36.82	11.23	15.02	
7359.00	24.369	278.683	6867.01	1944.01	103.29	-2204.20	354.13	40°32'47.900"N	104°45'06.580"W	8.88	-53.91	7.64	-12.95	
7454.00	31.622	262.409	6950.96	2027.96	146.61	-2204.53	309.94	40°32'47.897"N	104°45'07.152"W	11.03	8.94	7.63	-17.13	
7549.00	41.337	264.707	7027.26	2104.26	202.76	-2210.73	253.88	40°32'47.835"N	104°45'07.879"W	10.33	31.01	10.23	2.42	
7644.00	51.559	272.306	7092.68	2169.68	270.25	-2212.13	185.23	40°32'47.821"N	104°45'08.768"W	12.21	11.58	10.76	8.00	
7738.00	61.063	274.515	7144.77	2221.77	345.62	-2207.40	107.26	40°32'47.868"N	104°45'09.778"W	10.30	-14.19	10.11	2.35	
7832.00	72.075	271.614	7182.09	2259.09	428.87	-2202.89	21.27	40°32'47.913"N	104°45'10.892"W	12.05	-3.73	11.71	-3.09	
7927.00	84.048	270.835	7201.71	2278.71	519.27	-2200.92	-71.48	40°32'47.932"N	104°45'12.093"W	12.63	-46.68	12.60	-0.82	
8022.00	87.260	267.436	7208.91	2285.91	612.26	-2202.36	-166.17	40°32'47.918"N	104°45'13.320"W	4.91	-60.40	3.38	-3.58	
8117.00	89.908	262.788	7211.26	2288.26	706.51	-2210.45	-260.76	40°32'47.838"N	104°45'14.545"W	5.63	62.79	2.79	-4.89	
8211.00	91.632	266.143	7210.00	2287.00	799.93	-2219.51	-354.30	40°32'47.749"N	104°45'15.757"W	4.01	103.18	1.83	3.57	
8305.00	91.415	267.068	7207.50	2284.50	892.89	-2225.08	-448.10	40°32'47.694"N	104°45'16.972"W	1.01	67.72	-0.23	0.98	
8400.00	91.723	267.821	7204.90	2281.90	986.62	-2229.31	-542.97	40°32'47.652"N	104°45'18.201"W	0.86	-98.23	0.32	0.79	

REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Slot	SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER LA-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER LA-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (202 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Toolface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8495.00	91.138	263.804	7202.52	2279.52	1080.74	-2236.24	-637.66	40°32'47.583"N	104°45'19.427"W	4.27	92.43	-0.62	-4.23	
8589.00	90.985	267.382	7200.78	2277.78	1173.93	-2243.46	-731.35	40°32'47.512"N	104°45'20.641"W	3.81	88.97	-0.16	3.81	
8684.00	91.046	270.891	7199.10	2276.10	1267.19	-2244.90	-826.31	40°32'47.498"N	104°45'21.871"W	3.69	-174.44	0.06	3.69	
8779.00	90.831	270.870	7197.54	2274.54	1359.86	-2243.44	-921.29	40°32'47.512"N	104°45'23.101"W	0.23	-40.47	-0.23	-0.02	
8874.00	91.200	270.555	7195.86	2272.86	1452.60	-2242.25	-1016.27	40°32'47.524"N	104°45'24.331"W	0.51	-46.75	0.39	-0.33	
8969.00	91.415	270.327	7193.69	2270.69	1545.42	-2241.52	-1111.24	40°32'47.531"N	104°45'25.562"W	0.33	-46.84	0.23	-0.24	
9064.00	92.278	269.405	7190.63	2267.63	1638.42	-2241.75	-1206.19	40°32'47.529"N	104°45'26.792"W	1.33	134.54	0.91	-0.97	
9158.00	91.139	270.563	7187.82	2264.82	1730.40	-2241.77	-1300.14	40°32'47.528"N	104°45'28.009"W	1.73	-108.30	-1.21	1.23	
9252.00	91.015	270.191	7186.06	2263.06	1822.27	-2241.15	-1394.12	40°32'47.534"N	104°45'29.226"W	0.42	89.98	-0.13	-0.40	
9347.00	91.016	270.594	7184.37	2261.37	1915.12	-2240.50	-1489.11	40°32'47.541"N	104°45'30.456"W	0.42	-83.05	0.00	0.42	
9442.00	91.107	269.842	7182.61	2259.61	2008.03	-2240.14	-1584.09	40°32'47.544"N	104°45'31.687"W	0.80	102.00	0.10	-0.79	
9536.00	91.016	270.273	7180.87	2257.87	2100.02	-2240.05	-1678.07	40°32'47.545"N	104°45'32.904"W	0.47	82.55	-0.10	0.46	
9631.00	91.077	270.743	7179.14	2256.14	2192.83	-2239.21	-1773.05	40°32'47.553"N	104°45'34.134"W	0.50	92.23	0.06	0.50	
9725.00	91.046	271.552	7177.40	2254.40	2284.43	-2237.32	-1867.02	40°32'47.572"N	104°45'35.352"W	0.86	-107.57	-0.03	0.86	
9820.00	90.215	268.932	7176.35	2253.35	2377.33	-2236.92	-1962.00	40°32'47.576"N	104°45'36.582"W	2.89	-22.15	-0.87	-2.76	
9914.00	91.200	268.531	7175.19	2252.19	2469.74	-2239.00	-2055.97	40°32'47.555"N	104°45'37.799"W	1.13	92.86	1.05	-0.43	
10009.00	91.139	269.757	7173.25	2250.25	2563.00	-2240.42	-2150.94	40°32'47.541"N	104°45'39.029"W	1.29	90.11	-0.06	1.29	
10103.00	91.138	269.997	7171.38	2248.38	2655.05	-2240.63	-2244.92	40°32'47.539"N	104°45'40.247"W	0.26	-59.33	0.00	0.26	
10198.00	91.630	269.167	7169.09	2246.09	2748.16	-2241.32	-2339.89	40°32'47.532"N	104°45'41.477"W	1.02	-112.13	0.52	-0.87	
10292.00	91.323	268.414	7166.67	2243.67	2840.53	-2243.30	-2433.83	40°32'47.512"N	104°45'42.694"W	0.86	-112.78	-0.33	-0.80	
10386.00	91.138	267.973	7164.65	2241.65	2933.09	-2246.26	-2527.77	40°32'47.483"N	104°45'43.911"W	0.51	-77.02	-0.20	-0.47	
10481.00	91.354	267.034	7162.58	2239.58	3026.82	-2250.40	-2622.65	40°32'47.442"N	104°45'45.140"W	1.01	-90.03	0.23	-0.99	
10576.00	91.354	266.465	7160.34	2237.34	3120.74	-2255.79	-2717.47	40°32'47.389"N	104°45'46.368"W	0.60	89.98	0.00	-0.60	
10670.00	91.354	267.771	7158.12	2235.12	3213.58	-2260.51	-2811.33	40°32'47.342"N	104°45'47.584"W	1.39	134.50	0.00	1.39	
10765.00	91.261	267.865	7155.95	2232.95	3307.23	-2264.13	-2906.23	40°32'47.306"N	104°45'48.813"W	0.14	77.10	-0.10	0.10	
10859.00	91.354	268.269	7153.80	2230.80	3399.82	-2267.30	-3000.15	40°32'47.275"N	104°45'50.030"W	0.44	-173.23	0.10	0.43	
10954.00	90.000	268.108	7152.68	2229.68	3493.38	-2270.30	-3095.10	40°32'47.245"N	104°45'51.260"W	1.44	-113.10	-1.43	-0.17	
11048.00	89.877	267.820	7152.78	2229.78	3586.02	-2273.64	-3189.04	40°32'47.212"N	104°45'52.476"W	0.33	-57.31	-0.13	-0.31	
11143.00	90.123	267.437	7152.78	2229.78	3679.74	-2277.57	-3283.96	40°32'47.173"N	104°45'53.706"W	0.48	48.67	0.26	-0.40	
11237.00	90.984	268.416	7151.87	2228.87	3772.39	-2280.97	-3377.89	40°32'47.139"N	104°45'54.923"W	1.39	156.13	0.92	1.04	
11332.00	89.723	268.974	7151.29	2228.29	3865.81	-2283.14	-3472.86	40°32'47.117"N	104°45'56.153"W	1.45	24.00	-1.33	0.59	
11426.00	89.969	269.083	7151.54	2228.54	3958.14	-2284.73	-3566.85	40°32'47.102"N	104°45'57.370"W	0.29	94.52	0.26	0.12	
11521.00	89.846	270.641	7151.69	2228.69	4051.18	-2284.96	-3661.84	40°32'47.099"N	104°45'58.601"W	1.64	-121.51	-0.13	1.64	
11615.00	89.631	270.290	7152.12	2229.12	4143.04	-2284.19	-3755.84	40°32'47.107"N	104°45'59.818"W	0.44	-38.61	-0.23	-0.37	
11709.00	90.676	269.455	7151.87	2228.87	4235.10	-2284.40	-3849.84	40°32'47.104"N	104°46'01.036"W	1.42	100.20	1.11	-0.89	
11804.00	90.369	271.163	7151.00	2228.00	4327.99	-2283.89	-3944.83	40°32'47.109"N	104°46'02.266"W	1.83	110.68	-0.32	1.80	
11899.00	89.938	272.304	7150.75	2227.75	4420.36	-2281.02	-4039.78	40°32'47.138"N	104°46'03.496"W	1.28	-93.03	-0.45	1.20	
11993.00	89.846	270.561	7150.93	2227.93	4511.86	-2278.67	-4133.75	40°32'47.161"N	104°46'04.714"W	1.86	-95.88	-0.10	-1.85	
12087.00	89.539	267.570	7151.43	2228.43	4604.17	-2280.20	-4227.72	40°32'47.145"N	104°46'05.931"W	3.20	-95.57	-0.33	-3.18	
12182.00	89.323	265.361	7152.37	2229.37	4698.18	-2286.06	-4322.53	40°32'47.087"N	104°46'07.159"W	2.34	-82.67	-0.23	-2.33	
12277.00	89.415	264.646	7153.42	2230.42	4792.51	-2294.33	-4417.16	40°32'47.005"N	104°46'08.385"W	0.76	92.06	0.10	-0.75	
12371.00	89.385	265.505	7154.40	2231.40	4885.83	-2302.40	-4510.81	40°32'46.925"N	104°46'09.598"W	0.91	95.05	-0.03	0.91	
12466.00	89.231	267.249	7155.55	2232.55	4979.86	-2308.40	-4605.61	40°32'46.866"N	104°46'10.826"W	1.84	90.02	-0.16	1.84	
12561.00	89.231	268.116	7156.83	2233.83	5073.56	-2312.24	-4700.52	40°32'46.828"N	104°46'12.055"W	0.91	89.96	0.00	0.91	
12655.00	89.231	268.460	7158.09	2235.09	5166.10	-2315.05	-4794.47	40°32'46.800"N	104°46'13.272"W	0.37	84.35	0.00	0.37	

REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Slot	SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER LA-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER LA-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (202 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Toolface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12750.00	89.324	269.395	7159.29	2236.29	5259.44	-2316.83	-4889.45	40°32'46.782"N	104°46'14.502"W	0.99	100.76	0.10	0.98	
12845.00	89.292	269.561	7160.43	2237.43	5352.61	-2317.69	-4984.44	40°32'46.773"N	104°46'15.733"W	0.18	56.80	-0.03	0.17	
12939.00	89.477	269.844	7161.44	2238.44	5444.72	-2318.18	-5078.43	40°32'46.768"N	104°46'16.950"W	0.36	90.01	0.20	0.30	
13033.00	89.477	270.973	7162.30	2239.30	5536.60	-2317.51	-5172.42	40°32'46.775"N	104°46'18.168"W	1.20	93.25	0.00	1.20	
13127.00	89.385	272.597	7163.24	2240.24	5627.97	-2314.58	-5266.37	40°32'46.804"N	104°46'19.385"W	1.73	33.60	-0.10	1.73	
13222.00	89.477	272.658	7164.18	2241.18	5719.97	-2310.23	-5361.26	40°32'46.846"N	104°46'20.614"W	0.12	-93.71	0.10	0.06	
13317.00	89.446	272.183	7165.07	2242.07	5812.07	-2306.22	-5456.18	40°32'46.886"N	104°46'21.844"W	0.50	-91.87	-0.03	-0.50	
13412.00	89.415	271.229	7166.01	2243.01	5904.44	-2303.39	-5551.13	40°32'46.914"N	104°46'23.074"W	1.01	-93.16	-0.03	-1.00	
13507.00	89.323	269.555	7167.06	2244.06	5997.30	-2302.74	-5646.12	40°32'46.920"N	104°46'24.304"W	1.76	-76.66	-0.10	-1.76	
13601.00	89.446	269.036	7168.07	2245.07	6089.54	-2303.89	-5740.10	40°32'46.908"N	104°46'25.521"W	0.57	109.04	0.13	-0.55	
13695.00	89.354	269.305	7169.05	2246.05	6181.83	-2305.25	-5834.09	40°32'46.894"N	104°46'26.739"W	0.30	89.95	-0.10	0.29	
13790.00	89.354	269.636	7170.12	2247.12	6274.99	-2306.13	-5929.08	40°32'46.886"N	104°46'27.969"W	0.35	84.52	0.00	0.35	
13884.00	89.385	269.955	7171.16	2248.16	6367.08	-2306.47	-6023.07	40°32'46.882"N	104°46'29.187"W	0.34	88.77	0.03	0.34	
13979.00	89.415	271.375	7172.15	2249.15	6459.84	-2305.37	-6118.06	40°32'46.893"N	104°46'30.417"W	1.50	-131.64	0.03	1.49	
14073.00	89.292	271.236	7173.21	2250.21	6551.39	-2303.22	-6212.03	40°32'46.914"N	104°46'31.635"W	0.20	-81.86	-0.13	-0.15	
14167.00	89.385	270.590	7174.30	2251.30	6643.09	-2301.73	-6306.01	40°32'46.928"N	104°46'32.852"W	0.69	-109.67	0.10	-0.69	
14262.00	89.200	270.074	7175.47	2252.47	6735.97	-2301.17	-6401.00	40°32'46.933"N	104°46'34.082"W	0.58	78.99	-0.19	-0.54	
14357.00	89.262	270.391	7176.75	2253.75	6828.88	-2300.79	-6495.99	40°32'46.937"N	104°46'35.313"W	0.34	-102.19	0.06	0.33	
14451.00	88.862	268.536	7178.29	2255.29	6921.06	-2301.67	-6589.97	40°32'46.928"N	104°46'36.530"W	2.02	-79.64	-0.43	-1.97	
14545.00	89.139	267.021	7179.93	2256.93	7013.74	-2305.31	-6683.88	40°32'46.892"N	104°46'37.747"W	1.64	-116.87	0.30	-1.61	
14640.00	88.954	266.656	7181.51	2258.51	7107.65	-2310.55	-6778.72	40°32'46.840"N	104°46'38.975"W	0.43	4.62	-0.19	-0.38	
14735.00	89.262	266.681	7182.99	2259.99	7201.61	-2316.07	-6873.55	40°32'46.785"N	104°46'40.204"W	0.33	113.27	0.32	0.03	
14829.00	88.954	267.397	7184.45	2261.45	7294.48	-2320.93	-6967.41	40°32'46.737"N	104°46'41.419"W	0.83	-54.58	-0.33	0.76	
14924.00	89.108	267.181	7186.06	2263.06	7388.28	-2325.42	-7062.29	40°32'46.692"N	104°46'42.648"W	0.28	105.53	0.16	-0.23	
15018.00	88.985	267.624	7187.62	2264.62	7481.07	-2329.68	-7156.18	40°32'46.650"N	104°46'43.865"W	0.49	-89.98	-0.13	0.47	
15112.00	88.985	267.365	7189.29	2266.29	7573.82	-2333.79	-7250.08	40°32'46.609"N	104°46'45.081"W	0.28	88.34	0.00	-0.28	
15206.00	89.016	268.420	7190.93	2267.93	7666.47	-2337.24	-7344.00	40°32'46.574"N	104°46'46.297"W	1.12	95.02	0.03	1.12	
15301.00	88.892	269.829	7192.66	2269.66	7759.74	-2338.69	-7438.97	40°32'46.560"N	104°46'47.528"W	1.49	119.08	-0.13	1.48	
15395.00	88.493	270.547	7194.80	2271.80	7851.67	-2338.39	-7532.94	40°32'46.563"N	104°46'48.745"W	0.87	86.94	-0.43	0.76	
15490.00	88.523	271.110	7197.28	2274.28	7944.35	-2337.01	-7627.90	40°32'46.576"N	104°46'49.975"W	0.59	69.86	0.03	0.59	
15584.00	88.770	271.784	7199.50	2276.50	8035.83	-2334.64	-7721.84	40°32'46.599"N	104°46'51.192"W	0.76	135.85	0.26	0.72	
15679.00	88.554	271.994	7201.72	2278.72	8128.11	-2331.51	-7816.77	40°32'46.630"N	104°46'52.421"W	0.32	28.99	-0.23	0.22	
15774.00	90.984	273.341	7202.10	2279.10	8220.10	-2327.09	-7911.65	40°32'46.673"N	104°46'53.651"W	2.92	-145.28	2.56	1.42	
15868.00	90.369	272.915	7200.99	2277.99	8310.93	-2321.96	-8005.51	40°32'46.723"N	104°46'54.866"W	0.80	-97.12	-0.65	-0.45	
15962.00	90.031	270.209	7200.66	2277.66	8402.38	-2319.40	-8099.46	40°32'46.748"N	104°46'56.083"W	2.90	-91.88	-0.36	-2.88	
16056.00	89.938	267.394	7200.69	2277.69	8494.78	-2321.36	-8193.43	40°32'46.729"N	104°46'57.301"W	3.00	-116.44	-0.10	-3.00	
16151.00	87.846	263.179	7202.52	2279.52	8589.01	-2329.16	-8288.07	40°32'46.651"N	104°46'58.526"W	4.95	27.78	-2.20	-4.44	
16246.00	89.877	264.248	7204.41	2281.41	8683.55	-2339.56	-8382.47	40°32'46.548"N	104°46'59.749"W	2.42	77.42	2.14	1.13	
16340.00	90.462	266.869	7204.13	2281.13	8776.77	-2346.84	-8476.18	40°32'46.476"N	104°47'00.963"W	2.86	109.14	0.62	2.79	
16435.00	89.908	268.464	7203.83	2280.83	8870.48	-2350.71	-8571.10	40°32'46.437"N	104°47'02.192"W	1.78	-65.44	-0.58	1.68	
16529.00	90.154	267.926	7203.78	2280.78	8963.06	-2353.67	-8665.05	40°32'46.408"N	104°47'03.409"W	0.63	102.53	0.26	-0.57	
16624.00	90.061	268.341	7203.60	2280.60	9056.64	-2356.76	-8760.00	40°32'46.377"N	104°47'04.639"W	0.45	76.00	-0.10	0.44	
16718.00	90.215	268.958	7203.37	2280.37	9149.08	-2358.98	-8853.97	40°32'46.355"N	104°47'05.857"W	0.68	81.43	0.16	0.66	
16813.00	90.369	269.979	7202.89	2279.89	9242.26	-2359.86	-8948.97	40°32'46.346"N	104°47'07.087"W	1.09	-115.47	0.16	1.08	
16907.00	90.123	269.463	7202.48	2279.48	9334.37	-2360.32	-9042.96	40°32'46.341"N	104°47'08.305"W	0.61	-35.09	-0.26	-0.55	

REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Slot	SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER LA-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER LA-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (202 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Toolface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17002.00	90.615	269.117	7201.87	2278.87	9427.60	-2361.50	-9137.95	40°32'46.329"N	104°47'09.535"W	0.63	-107.02	0.52	-0.36	
17097.00	90.523	268.817	7200.93	2277.93	9520.93	-2363.21	-9232.93	40°32'46.312"N	104°47'10.765"W	0.33	-111.43	-0.10	-0.32	
17192.00	90.461	268.660	7200.11	2277.11	9614.33	-2365.30	-9327.91	40°32'46.291"N	104°47'11.996"W	0.18	-133.88	-0.06	-0.16	
17287.00	90.277	268.468	7199.50	2276.50	9707.78	-2367.68	-9422.87	40°32'46.267"N	104°47'13.226"W	0.28	-65.52	-0.19	-0.20	
17381.00	90.400	268.197	7198.95	2275.95	9800.32	-2370.42	-9516.83	40°32'46.239"N	104°47'14.443"W	0.32	-5.30	0.13	-0.29	
17476.00	90.461	268.192	7198.23	2275.23	9893.88	-2373.41	-9611.78	40°32'46.209"N	104°47'15.673"W	0.06	-126.10	0.06	-0.01	
17570.00	90.307	267.981	7197.60	2274.60	9986.49	-2376.55	-9705.73	40°32'46.178"N	104°47'16.890"W	0.28	-79.73	-0.16	-0.22	
17664.00	90.400	267.471	7197.02	2274.02	10079.20	-2380.28	-9799.65	40°32'46.141"N	104°47'18.106"W	0.55	-122.94	0.10	-0.54	
17758.00	90.215	267.187	7196.52	2273.52	10172.01	-2384.66	-9893.55	40°32'46.097"N	104°47'19.323"W	0.36	-43.07	-0.20	-0.30	
17852.00	90.554	266.871	7195.89	2272.89	10264.90	-2389.53	-9987.42	40°32'46.049"N	104°47'20.539"W	0.49	-89.99	0.36	-0.34	
17947.00	90.554	265.973	7194.97	2271.97	10358.92	-2395.46	-10082.23	40°32'45.990"N	104°47'21.767"W	0.95	158.72	0.00	-0.95	
18041.00	89.908	266.224	7194.59	2271.59	10452.04	-2401.86	-10176.01	40°32'45.926"N	104°47'22.981"W	0.74	91.82	-0.69	0.27	
18136.00	89.846	268.164	7194.79	2271.79	10545.87	-2406.51	-10270.89	40°32'45.880"N	104°47'24.210"W	2.04	84.44	-0.06	2.04	
18230.00	90.061	270.374	7194.87	2271.87	10638.12	-2407.71	-10364.88	40°32'45.867"N	104°47'25.428"W	2.36	-81.70	0.23	2.35	
18324.00	90.369	268.265	7194.52	2271.52	10730.36	-2408.82	-10458.87	40°32'45.856"N	104°47'26.645"W	2.27	-108.22	0.33	-2.24	
18419.00	89.877	266.771	7194.31	2271.31	10824.11	-2412.94	-10553.77	40°32'45.815"N	104°47'27.875"W	1.66	-152.09	-0.52	-1.57	
18513.00	89.569	266.608	7194.77	2271.77	10917.08	-2418.37	-10647.62	40°32'45.761"N	104°47'29.090"W	0.37	54.70	-0.33	-0.17	
18608.00	89.969	267.172	7195.15	2272.15	11010.99	-2423.52	-10742.47	40°32'45.710"N	104°47'30.319"W	0.73	-85.30	0.42	0.59	
18702.00	90.031	266.424	7195.15	2272.15	11103.94	-2428.77	-10836.33	40°32'45.657"N	104°47'31.535"W	0.80	-104.95	0.07	-0.80	
18797.00	89.908	265.963	7195.20	2272.20	11198.02	-2435.08	-10931.12	40°32'45.595"N	104°47'32.762"W	0.50	67.46	-0.13	-0.49	
18896.00	90.062	266.334	7195.23	2272.23	11296.08	-2441.73	-11029.89	40°32'45.528"N	104°47'34.042"W	0.41	0.00	0.16	0.37	LAST BHGE MWD SURVEY (2605'FNL & 105'FWL SEC.28)
18925.00	90.062	266.334	7195.19	2272.19	11324.79	-2443.58	-11058.83	40°32'45.510"N	104°47'34.417"W	0.00		0.00	0.00	EXTRAPOLATED TO TD (2607'FNL & 6'FWL SEC.28)

HOLE & CASING SECTIONS - Ref Wellbore: LEFFLER LA-26-28HN AWB Ref Wellpath: LEFFLER LA-26-28HN AWP

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]
17in Open Hole	25.00	105.00	80.00	25.00	105.00	0.00	0.00	-0.34	0.25
13.5in Open Hole	25.00	1564.00	1539.00	25.00	1501.51	0.00	0.00	-347.35	65.04
9.625in Casing Surface	25.00	1564.00	1539.00	25.00	1501.51	0.00	0.00	-347.35	65.04
8.5in Open Hole	1564.00	18925.00	17361.00	1501.51	7195.19	-347.35	65.04	-2443.58	-11058.83

REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Slot	SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER LA-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER LA-26-28HN AWB
Facility	SEC.26-T07N-R66W		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
LEFFLER 26 A PAD SEC.26-T07N-R66W	0.00	28.78	-75.31	3207472.30	1445087.74	40°33'09.965"N	104°45'12.143"W	polygon
LEFFLER 26 A PAD SEC.27-T07N-R66W	0.00	28.78	-75.31	3207472.30	1445087.74	40°33'09.965"N	104°45'12.143"W	polygon
LEFFLER 26 A PAD SEC.28-T07N-R66W	0.00	28.78	-75.31	3207472.30	1445087.74	40°33'09.965"N	104°45'12.143"W	polygon
LEFFLER LA-26-28HN 450'E of LP REV-1	7128.00	-2221.09	132.57	3207699.11	1442839.77	**40°32'47.733"N**	**104°45'09.450"W**	point
LEFFLER LA-26-28HN WAYPOINT #2 REV-1	7153.00	-2245.49	-3067.37	3204499.60	1442788.42	**40°32'47.490"N**	**104°45'50.900"W**	point
LEFFLER LA-26-28HN WAYPOINT #3 REV-1	7158.00	-2270.72	-6367.09	3201200.31	1442735.40	**40°32'47.234"N**	**104°46'33.643"W**	point
LEFFLER LA-26-28HN WAYPOINT #1 REV-1	7183.00	-2233.61	-1517.43	3206049.34	1442813.35	**40°32'47.609"N**	**104°45'30.823"W**	point
LEFFLER LA-26-28HN BHL PLAT (2470'FNL & 5'FWL,SEC.28) REV-2	7193.00	-2306.24	-11059.49	3196508.52	1442660.36	**40°32'46.867"N**	**104°47'34.426"W**	point
LEFFLER LA-26-28HN WAYPOINT #4 REV-2	7193.00	-2281.95	-7867.01	3199700.58	1442711.54	**40°32'47.119"N**	**104°46'53.072"W**	point
LEFFLER LA-26-28HN LP PLAT (2470'FNL & 5'FWL,SEC.27) REV-2	7213.00	-2224.52	-317.35	3207249.26	1442832.54	**40°32'47.699"N**	**104°45'15.278"W**	point

WELLPATH COMPOSITION - Ref Wellbore: LEFFLER LA-26-28HN AWB Ref Wellpath: LEFFLER LA-26-28HN AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1508.00	BHI NaviTrak (Rotating+Axial Corr)	13.5" Surface - BHI NaviTrak (Rotating+Axial Corr) <25'MD - 1564'MD>	LEFFLER LA-26-28HN AWB
1508.00	18896.00	BHI AutoTrak Curve (Axial)	8.5" Monobore - BHI AutoTrak Curve (Axial) Corrected<1595'MD-18925'MD>	LEFFLER LA-26-28HN AWB
18896.00	18925.00	Blind Drilling (std)	Projection to bit	LEFFLER LA-26-28HN AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	**BAYSWATER E&P, LLC**	Slot	**SLOT#21 LEFFLER LA-26-28HN (250'FNL & 325'FWL,SEC.26)**
Area	**COLORADO**	Well	**LEFFLER LA-26-28HN**
Field	**WELD COUNTY (NAD83/TRUE NORTH)**	Wellbore	**LEFFLER LA-26-28HN AWB**
Facility	**SEC.26-T07N-R66W**		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
0.00	0.000	144.410	0.00	KB
25.00	0.000	144.410	25.00	GL
231.00	1.560	144.410	230.97	FIRST BHGE MWD SURVEY
1564.00	25.845	168.906	1501.51	9 5/8" SURFACE CASING (INTERPOLATED)
18896.00	90.062	266.334	7195.23	LAST BHGE MWD SURVEY (2605'FNL & 105'FWL SEC.28)
18925.00	90.062	266.334	7195.19	EXTRAPOLATED TO TD (2607'FNL & 6'FWL SEC.28)