

BAYSWATER E&P, LLC

Location: COLORADO Slot: SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL SEC.26)

Field: WELD COUNTY (NAD83/TRUE NORTH) Well: LEFFLER J-26-28HN

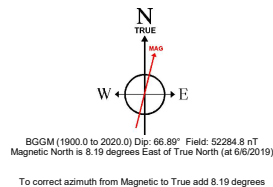
Facility: SEC.26-T07N-R66W Wellbore: LEFFLER J-26-28HN AWB

Location Information

Facility Name		Grid East (US R)	Grid North (US R)	Latitude	Longitude	
SEC.26-T07N-R66W		3208197.941	1445113.094	40°33'10.156"N	104°45'02.869"W	
Slot	Local N (R)	Local E (R)	Grid East (US R)	Grid North (US R)	Latitude	Longitude
SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL SEC.26)	-48.61	-670.55	3207517.845	1445058.612	40°33'09.673"N	104°45'11.556"W
TRUE 38 (4896.0'GL+25'KB@4923.0'RK) (RKB) to Ground level (At Slot: SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL SEC.26))						4923ft
Mean Sea Level to Ground level (At Slot: SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL SEC.26))						0ft
TRUE 38 (4896.0'GL+25'KB@4923.0'RK) (RKB) to Mean Sea Level						4923ft

Targets

Name	MD (R)	TVD (R)	Local N (R)	Local E (R)	Grid East (US R)	Grid North (US R)	Latitude	Longitude
LEFFLER 26 A PAD SEC.26-T07N-R66W	0.00	29.51	-45.30	3207472.30	1445087.74	40°33'09.985"N	104°45'12.143"W	
LEFFLER 26 A PAD SEC.27-T07N-R66W	0.00	29.51	-45.30	3207472.30	1445087.74	40°33'09.985"N	104°45'12.143"W	
LEFFLER 26 A PAD SEC.28-T07N-R66W	0.00	29.51	-45.30	3207472.30	1445087.74	40°33'09.985"N	104°45'12.143"W	
LEFFLER J-26-28HN SSP from LP REV-2	7103.00	-1889.92	286.95	3207794.70	1443171.02	40°32'50.988"N	104°45'08.176"W	
LEFFLER J-26-28HN WAYPOINT #4 REV-1	7233.00	-1922.20	-3988.89	3203545.41	1443102.95	40°32'50.676"N	104°46'03.227"W	
LEFFLER J-26-28HN WAYPOINT #5 REV-1	7233.00	-1938.52	-6138.83	3201395.75	1443068.53	40°32'50.510"N	104°46'31.078"W	
LEFFLER J-26-28HN WAYPOINT #3 REV-1	7238.00	-1917.56	-3388.88	3204145.34	1443112.65	40°32'50.727"N	104°46'55.454"W	
LEFFLER J-26-28HN BHL PLAT REV-1 (2140'FNL & 5'FWL SEC.28)	7243.00	-1975.42	-11017.59	3198517.62	1442990.54	40°32'50.129"N	104°47'34.274"W	
LEFFLER J-26-28HN WAYPOINT #2 REV-2	7243.00	-1912.25	-2888.80	3204845.33	1443123.85	40°32'50.776"N	104°46'46.388"W	
LEFFLER J-26-28HN WAYPOINT #6 REV-1	7263.00	-1955.39	-8389.03	3199145.84	1443032.70	40°32'50.337"N	104°47'00.225"W	
LEFFLER J-26-28HN WAYPOINT #1 REV-1	7268.00	-1903.17	-1489.06	3206044.91	1443143.03	40°32'50.867"N	104°46'50.840"W	
LEFFLER J-26-28HN LP PLAT (2140'FNL & 5'FWL SEC.27)	7288.00	-1894.09	-289.03	3207244.79	1443162.22	40°32'50.967"N	104°46'15.300"W	



Plot reference wellpath is LEFFLER J-26-28HN AWP	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to TRUE 38 (4896.0'GL+25'KB@4923.0'RK) (RKB)	North Reference: True north
Measured depths are referenced to TRUE 38 (4896.0'GL+25'KB@4923.0'RK) (RKB)	Scale: True distance
TRUE 38 (4896.0'GL+25'KB@4923.0'RK) (RKB) to Mean Sea Level: 4923 feet	Depths are in feet
Mean Sea Level to Ground level (At Slot: SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL SEC.26)): 0 feet	Created by: manajohi on 2019-08-29
Coordinates are in feet referenced to Slot	Database: WADB

EXTRAPOLATED TO TD (2101'FNL & 696'FWL SEC.28) : 90.83° Inc, 18266.00ft MD, 7245.41ft TVD, 10506.38ft VS

LAST BHGE MWD SURVEY (2101'FNL & 729'FWL SEC.28) : 90.83° Inc, 18233.00ft MD, 7245.89ft TVD, 10473.74ft VS

Vertical Section (ft)

Scale 1 inch = 1500

Azimuth 259.84° with reference 0.00 N, 0.00 E

Actual Wellpath Report

LEFFLER J-26-28HN AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL, SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-26-28HN AWP
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 2:12:40 PM
Convergence at slot	0.48° East	Database/Source file	WADB/LEFFLER_J-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	-48.81	-670.55	3207517.85	1445058.61	40°33'09.673"N	104°45'11.556"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#19 LEFFLER J-26-28HN (250'FNL & 295'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	259.84°

REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL, SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (196 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Tooface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	101.450	0.00	-4923.00	0.00	0.00	0.00	40°33'09.673"N	104°45'11.556"W	0.00	0.00	0.00	0.00	KB
25.00	0.000	101.450	25.00	-4898.00	0.00	0.00	0.00	40°33'09.673"N	104°45'11.556"W	0.00	101.45	0.00	0.00	GL
231.00	0.390	101.450	231.00	-4692.00	-0.65	-0.14	0.69	40°33'09.672"N	104°45'11.547"W	0.19	83.71	0.19	49.25	FIRST BHGE MWD SURVEY
325.00	0.430	120.800	325.00	-4598.00	-1.22	-0.38	1.30	40°33'09.669"N	104°45'11.539"W	0.15	-77.17	0.04	20.59	
419.00	0.440	115.970	418.99	-4504.01	-1.77	-0.72	1.93	40°33'09.666"N	104°45'11.531"W	0.04	39.84	0.01	-5.14	
514.00	2.340	148.890	513.96	-4409.04	-2.76	-2.54	3.26	40°33'09.648"N	104°45'11.514"W	2.09	10.64	2.00	34.65	
609.00	3.600	152.640	608.83	-4314.17	-4.34	-6.85	5.63	40°33'09.605"N	104°45'11.483"W	1.34	1.95	1.33	3.95	
703.00	5.790	153.380	702.51	-4220.49	-6.55	-13.71	9.12	40°33'09.538"N	104°45'11.438"W	2.33	3.06	2.33	0.79	
798.00	7.900	154.200	796.83	-4126.17	-9.67	-23.88	14.10	40°33'09.437"N	104°45'11.373"W	2.22	-6.12	2.22	0.86	
893.00	10.180	152.820	890.64	-4032.36	-13.89	-37.22	20.78	40°33'09.305"N	104°45'11.287"W	2.41	12.79	2.40	-1.45	
987.00	12.000	154.800	982.88	-3940.12	-18.85	-53.46	28.74	40°33'09.145"N	104°45'11.184"W	1.98	42.70	1.94	2.11	
1082.00	13.380	160.090	1075.56	-3847.44	-23.28	-72.73	36.69	40°33'08.955"N	104°45'11.081"W	1.90	3.88	1.45	5.57	
1177.00	14.650	160.430	1167.73	-3755.27	-27.10	-94.38	44.45	40°33'08.741"N	104°45'10.980"W	1.34	21.53	1.34	0.36	
1271.00	16.000	162.350	1258.39	-3664.61	-30.73	-117.93	52.36	40°33'08.508"N	104°45'10.878"W	1.53	-18.93	1.44	2.04	
1365.00	17.250	160.910	1348.46	-3574.54	-34.58	-143.45	60.85	40°33'08.256"N	104°45'10.768"W	1.40	50.88	1.33	-1.53	
1460.00	18.290	164.830	1438.93	-3484.07	-38.07	-171.15	69.36	40°33'07.982"N	104°45'10.657"W	1.67	40.22	1.09	4.13	
1506.00	19.020	166.700	1482.51	-3440.49	-39.11	-185.41	72.97	40°33'07.841"N	104°45'10.611"W	2.05	11.56	1.59	4.07	
1562.00†	20.409	167.514	1535.23	-3387.77	-40.00	-203.82	77.18	40°33'07.659"N	104°45'10.556"W	2.53	10.79	2.48	1.45	9 5/8" SURFACE CASING (INTERPOLATED)
1593.00	21.180	167.920	1564.21	-3358.79	-40.41	-214.58	79.52	40°33'07.553"N	104°45'10.526"W	2.53	-121.81	2.49	1.31	
1687.00	19.880	161.140	1652.25	-3270.75	-43.39	-246.31	88.24	40°33'07.239"N	104°45'10.413"W	2.88	-94.29	-1.38	-7.21	
1782.00	19.840	159.120	1741.60	-3181.40	-48.83	-276.66	99.21	40°33'06.939"N	104°45'10.271"W	0.72	18.65	-0.04	-2.13	
1876.00	20.900	160.120	1829.72	-3093.28	-54.62	-307.33	110.60	40°33'06.636"N	104°45'10.123"W	1.19	-4.59	1.13	1.06	
1970.00	22.370	159.810	1917.10	-3005.90	-60.57	-339.89	122.48	40°33'06.315"N	104°45'09.969"W	1.57	-4.20	1.56	-0.33	
2065.00	25.280	159.310	2003.99	-2919.01	-67.42	-375.84	135.88	40°33'05.959"N	104°45'09.796"W	3.07	88.13	3.06	-0.53	
2160.00	25.310	160.870	2089.88	-2833.12	-74.29	-414.00	149.71	40°33'05.582"N	104°45'09.617"W	0.70	76.81	0.03	1.64	
2254.00	25.480	162.470	2174.80	-2748.20	-80.01	-452.27	162.38	40°33'05.204"N	104°45'09.452"W	0.75	-150.47	0.18	1.70	
2348.00	24.610	161.280	2259.96	-2663.04	-85.52	-490.09	174.75	40°33'04.830"N	104°45'09.292"W	1.07	82.98	-0.93	-1.27	
2442.00	24.680	162.540	2345.40	-2577.60	-90.92	-527.35	186.92	40°33'04.462"N	104°45'09.135"W	0.56	-109.11	0.07	1.34	
2536.00	24.560	161.690	2430.86	-2492.14	-96.18	-564.61	198.95	40°33'04.094"N	104°45'08.979"W	0.40	-38.01	-0.13	-0.90	
2631.00	25.140	160.630	2517.06	-2405.94	-102.21	-602.39	211.84	40°33'03.721"N	104°45'08.812"W	0.77	80.46	0.61	-1.12	
2726.00	25.230	161.820	2603.03	-2319.97	-108.26	-640.67	224.85	40°33'03.343"N	104°45'08.643"W	0.54	-106.39	0.09	1.25	
2820.00	24.900	158.930	2688.18	-2234.82	-114.80	-678.17	238.22	40°33'02.972"N	104°45'08.470"W	1.35	68.71	-0.35	-3.07	
2914.00	25.310	161.280	2773.30	-2149.70	-121.53	-715.67	251.78	40°33'02.601"N	104°45'08.294"W	1.15	-147.51	0.44	2.50	
3009.00	24.760	160.440	2859.38	-2063.62	-127.80	-753.64	264.96	40°33'02.226"N	104°45'08.124"W	0.69	151.20	-0.58	-0.88	
3104.00	24.290	161.070	2945.81	-1977.19	-134.02	-790.87	277.96	40°33'01.858"N	104°45'07.955"W	0.57	52.79	-0.49	0.66	
3198.00	24.480	161.670	3031.42	-1891.58	-139.73	-827.65	290.36	40°33'01.495"N	104°45'07.795"W	0.33	8.30	0.20	0.64	
3292.00	25.270	161.940	3116.70	-1806.30	-145.26	-865.21	302.70	40°33'01.124"N	104°45'07.635"W	0.85	-145.45	0.84	0.29	
3387.00	25.110	161.680	3202.67	-1720.33	-150.90	-903.63	315.32	40°33'00.744"N	104°45'07.471"W	0.20	79.48	-0.17	-0.27	
3481.00	25.300	163.870	3287.72	-1635.28	-155.82	-941.86	327.17	40°33'00.366"N	104°45'07.318"W	1.01	-106.58	0.20	2.33	
3575.00	25.060	161.860	3372.79	-1550.21	-160.67	-980.07	338.95	40°32'59.989"N	104°45'07.165"W	0.94	-128.47	-0.26	-2.14	
3670.00	24.920	161.440	3458.89	-1464.11	-166.38	-1018.16	351.59	40°32'59.612"N	104°45'07.001"W	0.24	-3.89	-0.15	-0.44	
3764.00	25.170	161.400	3544.06	-1378.94	-172.20	-1055.88	364.27	40°32'59.240"N	104°45'06.837"W	0.27	-106.45	0.27	-0.04	
3859.00	24.970	159.720	3630.11	-1292.89	-178.69	-1093.84	377.66	40°32'58.865"N	104°45'06.664"W	0.78	125.45	-0.21	-1.77	
3953.00	24.520	161.270	3715.48	-1207.52	-185.08	-1130.92	390.80	40°32'58.498"N	104°45'06.494"W	0.84	17.78	-0.48	1.65	
4048.00	25.130	161.730	3801.70	-1121.30	-190.86	-1168.75	403.45	40°32'58.124"N	104°45'06.330"W	0.67	-82.12	0.64	0.48	

REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (196 stations)															
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Tooface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments	
4142.00	25.240	160.030	3886.76	-1036.24	-197.09	-1206.54	416.56	40°32'57.751"N	104°45'06.160"W	0.78	136.06	0.12	-1.81		
4236.00	25.030	160.510	3971.86	-951.14	-203.72	-1244.12	430.04	40°32'57.380"N	104°45'05.985"W	0.31	72.31	-0.22	0.51		
4331.00	25.540	163.930	4057.76	-865.24	-209.08	-1282.75	442.41	40°32'56.998"N	104°45'05.825"W	1.63	99.57	0.54	3.60		
4426.00	25.170	172.770	4143.64	-779.36	-210.16	-1322.48	450.63	40°32'56.605"N	104°45'05.719"W	4.00	-83.38	-0.39	9.31		
4520.00	25.240	171.470	4228.70	-694.30	-208.56	-1362.13	456.11	40°32'56.213"N	104°45'05.648"W	0.59	-94.00	0.07	-1.38		
4614.00	25.310	160.710	4313.74	-609.26	-211.18	-1400.94	465.73	40°32'55.830"N	104°45'05.523"W	4.88	-96.12	0.07	-11.45		
4708.00	25.170	156.020	4398.78	-524.22	-219.14	-1438.17	480.49	40°32'55.462"N	104°45'05.332"W	2.13	-71.85	-0.15	-4.99		
4803.00	25.290	155.180	4484.71	-438.29	-229.10	-1475.05	497.22	40°32'55.098"N	104°45'05.115"W	0.40	-83.60	0.13	-0.88		
4898.00	25.330	154.390	4570.60	-352.40	-239.64	-1511.79	514.52	40°32'54.735"N	104°45'04.891"W	0.36	100.41	0.04	-0.83		
4992.00	25.160	156.820	4655.62	-267.38	-249.50	-1548.29	531.08	40°32'54.374"N	104°45'04.676"W	1.12	-124.78	-0.18	2.59		
5087.00	25.110	156.650	4741.62	-181.38	-258.64	-1585.36	547.02	40°32'54.008"N	104°45'04.470"W	0.09	-65.46	-0.05	-0.18		
5181.00	25.370	155.350	4826.65	-96.35	-268.23	-1621.98	563.32	40°32'53.646"N	104°45'04.259"W	0.65	177.94	0.28	-1.38		
5276.00	19.880	155.930	4914.31	-8.69	-277.21	-1655.25	578.41	40°32'53.317"N	104°45'04.063"W	5.78	-179.81	-5.78	0.61		
5370.00	16.490	155.890	5003.60	80.60	-284.27	-1682.02	590.38	40°32'53.052"N	104°45'03.908"W	3.61	107.63	-3.61	-0.04		
5465.00	15.860	165.740	5094.85	171.85	-288.44	-1706.92	599.09	40°32'52.806"N	104°45'03.796"W	2.96	-40.17	-0.66	10.37		
5560.00	16.380	164.200	5186.12	263.12	-290.69	-1732.39	605.93	40°32'52.555"N	104°45'03.707"W	0.71	-90.49	0.55	-1.62		
5654.00	16.380	163.190	5276.30	353.30	-293.52	-1757.83	613.38	40°32'52.303"N	104°45'03.610"W	0.30	118.97	0.00	-1.07		
5748.00	16.250	164.040	5366.52	443.52	-296.38	-1783.16	620.83	40°32'52.053"N	104°45'03.514"W	0.29	-179.04	-0.14	0.90		
5844.00	13.580	163.850	5459.28	536.28	-298.92	-1806.91	627.65	40°32'51.818"N	104°45'03.426"W	2.78	173.52	-2.78	-0.20		
5938.00	11.910	164.770	5550.96	627.96	-300.92	-1826.87	633.27	40°32'51.621"N	104°45'03.353"W	1.79	-142.22	-1.78	0.98		
6033.00	10.540	158.710	5644.14	721.14	-303.47	-1844.42	639.00	40°32'51.448"N	104°45'03.279"W	1.90	174.23	-1.44	-6.38		
6127.00	9.570	159.300	5736.70	813.70	-306.55	-1859.74	644.89	40°32'51.296"N	104°45'03.202"W	1.04	-175.78	-1.03	0.63		
6222.00	7.730	158.290	5830.61	907.61	-309.28	-1873.07	650.04	40°32'51.165"N	104°45'03.136"W	1.94	-179.21	-1.94	-1.06		
6317.00	5.170	157.900	5925.00	1002.00	-311.44	-1882.97	654.02	40°32'51.067"N	104°45'03.084"W	2.70	174.69	-2.69	-0.41		
6411.00	2.490	163.670	6018.78	1095.78	-312.54	-1888.86	656.18	40°32'51.009"N	104°45'03.056"W	2.88	-179.27	-2.85	6.14		
6506.00	0.040	111.750	6113.75	1190.75	-312.78	-1890.85	656.80	40°32'50.989"N	104°45'03.048"W	2.60	133.94	-2.58	-54.65		
6601.00	0.030	139.460	6208.75	1285.75	-312.83	-1890.88	656.84	40°32'50.989"N	104°45'03.047"W	0.02	-28.63	-0.01	29.17		
6695.00	0.040	131.890	6302.75	1379.75	-312.86	-1890.92	656.88	40°32'50.988"N	104°45'03.047"W	0.01	133.90	0.01	-8.05		
6790.00	4.120	265.390	6397.67	1474.67	-309.48	-1891.22	653.50	40°32'50.985"N	104°45'03.091"W	4.37	13.43	4.29	140.53		
6884.00	8.960	272.710	6491.03	1568.03	-298.98	-1891.14	642.82	40°32'50.986"N	104°45'03.229"W	5.21	-4.79	5.15	7.79		
6979.00	13.770	271.020	6584.14	1661.14	-280.66	-1890.59	624.12	40°32'50.991"N	104°45'03.471"W	5.07	4.58	5.06	-1.78		
7074.00	19.660	272.420	6675.09	1752.09	-253.95	-1889.71	596.82	40°32'51.000"N	104°45'03.825"W	6.21	1.43	6.20	1.47		
7169.00	25.570	272.760	6762.75	1839.75	-218.34	-1888.05	560.34	40°32'51.017"N	104°45'04.297"W	6.22	-11.78	6.22	0.36		
7263.00	33.150	269.890	6844.62	1921.62	-173.19	-1887.12	514.31	40°32'51.026"N	104°45'04.894"W	8.20	0.54	8.06	-3.05		
7358.00	38.440	269.970	6921.65	1998.65	-118.51	-1887.19	458.77	40°32'51.025"N	104°45'05.613"W	5.57	-6.22	5.57	0.08		
7452.00	45.540	268.890	6991.47	2068.47	-56.54	-1887.85	395.93	40°32'51.019"N	104°45'06.427"W	7.59	0.43	7.55	-1.15		
7547.00	51.800	268.950	7054.18	2131.18	13.87	-1889.19	324.64	40°32'51.005"N	104°45'07.351"W	6.59	-3.61	6.59	0.06		
7641.00	55.320	268.680	7110.00	2187.00	88.55	-1890.76	249.04	40°32'50.990"N	104°45'08.330"W	3.75	-7.83	3.74	-0.29		
7736.00	57.910	268.260	7162.27	2239.27	166.97	-1892.88	169.75	40°32'50.969"N	104°45'09.357"W	2.75	-1.58	2.73	-0.44		
7831.00	64.460	268.060	7208.04	2285.04	249.29	-1895.56	86.61	40°32'50.942"N	104°45'10.434"W	6.90	13.31	6.89	-0.21		
7925.00	71.460	269.800	7243.29	2320.29	335.26	-1897.15	-0.45	40°32'50.927"N	104°45'11.562"W	7.64	-14.32	7.45	1.85		
8020.00	79.350	267.760	7267.21	2344.21	426.00	-1899.14	-92.29	40°32'50.907"N	104°45'12.751"W	8.56	-36.84	8.31	-2.15		
8114.00	84.140	264.170	7280.71	2357.71	518.46	-1905.70	-185.04	40°32'50.842"N	104°45'13.953"W	6.34	35.48	5.10	-3.82		
8209.00	89.940	268.290	7285.61	2362.61	612.68	-1911.92	-279.65	40°32'50.781"N	104°45'15.178"W	7.48	89.32	6.11	4.34		
8304.00	90.000	273.300	7285.66	2362.66	705.91	-1910.61	-374.61	40°32'50.794"N	104°45'16.409"W	5.27	71.56	0.06	5.27		

REFERENCE WELLPATH IDENTIFICATION

Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (196 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
8399.00	90.250	274.050	7285.46	2362.46	798.16	-1904.52	-469.41	40°32'50.854"N	104°45'17.637"W	0.83	-105.82	0.26	0.79	
8494.00	89.910	272.850	7285.32	2362.32	890.48	-1898.80	-564.24	40°32'50.910"N	104°45'18.865"W	1.31	-64.33	-0.36	-1.26	
8589.00	91.260	270.040	7284.35	2361.35	983.52	-1896.41	-659.19	40°32'50.934"N	104°45'20.095"W	3.28	-96.52	1.42	-2.96	
8684.00	90.920	267.080	7282.55	2359.55	1077.40	-1898.79	-754.13	40°32'50.910"N	104°45'21.325"W	3.14	-88.21	-0.36	-3.12	
8778.00	91.020	263.830	7280.95	2357.95	1170.92	-1906.24	-847.81	40°32'50.837"N	104°45'22.538"W	3.46	75.21	0.11	-3.46	
8873.00	91.260	264.740	7279.06	2356.06	1265.61	-1915.70	-942.32	40°32'50.743"N	104°45'23.762"W	0.99	93.98	0.25	0.96	
8967.00	91.080	267.310	7277.15	2354.15	1359.04	-1922.21	-1036.06	40°32'50.679"N	104°45'24.977"W	2.74	86.86	-0.19	2.73	
9062.00	91.320	271.750	7275.15	2352.15	1452.64	-1922.99	-1131.02	40°32'50.671"N	104°45'26.207"W	4.68	84.78	0.25	4.67	
9156.00	91.480	273.510	7272.86	2349.86	1544.27	-1918.68	-1224.88	40°32'50.714"N	104°45'27.423"W	1.88	-126.53	0.17	1.87	
9250.00	91.080	272.970	7270.76	2347.76	1635.69	-1913.37	-1318.71	40°32'50.766"N	104°45'28.638"W	0.71	-68.38	-0.43	-0.57	
9345.00	91.290	272.440	7268.79	2345.79	1728.28	-1908.88	-1413.58	40°32'50.810"N	104°45'29.867"W	0.60	105.59	0.22	-0.56	
9440.00	91.050	273.300	7266.85	2343.85	1820.81	-1904.13	-1508.44	40°32'50.857"N	104°45'31.096"W	0.94	78.69	-0.25	0.91	
9534.00	91.080	273.450	7265.11	2342.11	1912.18	-1898.60	-1602.26	40°32'50.912"N	104°45'32.311"W	0.16	-68.38	0.03	0.16	
9628.00	91.290	272.920	7263.16	2340.16	2003.62	-1893.37	-1696.10	40°32'50.963"N	104°45'33.527"W	0.61	-94.45	0.22	-0.56	
9723.00	91.230	272.150	7261.07	2338.07	2096.28	-1889.17	-1790.98	40°32'51.005"N	104°45'34.756"W	0.81	-110.37	-0.06	-0.81	
9818.00	89.910	268.600	7260.13	2337.13	2189.65	-1888.55	-1885.96	40°32'51.011"N	104°45'35.986"W	3.99	-50.15	-1.39	-3.74	
9912.00	91.170	267.090	7259.24	2336.24	2282.73	-1892.09	-1979.88	40°32'50.976"N	104°45'37.203"W	2.09	106.70	1.34	-1.61	
10007.00	91.050	267.490	7257.40	2334.40	2376.91	-1896.58	-2074.76	40°32'50.932"N	104°45'38.432"W	0.44	-3.37	-0.13	0.42	
10102.00	91.390	267.470	7255.38	2332.38	2471.04	-1900.75	-2169.65	40°32'50.890"N	104°45'39.661"W	0.36	138.01	0.36	-0.02	
10196.00	90.990	267.830	7253.43	2330.43	2564.15	-1904.61	-2263.55	40°32'50.852"N	104°45'40.877"W	0.57	-106.80	-0.43	0.38	
10291.00	90.830	267.300	7251.92	2328.92	2658.27	-1908.64	-2358.45	40°32'50.812"N	104°45'42.107"W	0.58	-43.83	-0.17	-0.56	
10385.00	91.080	267.060	7250.35	2327.35	2751.49	-1913.27	-2452.32	40°32'50.766"N	104°45'43.323"W	0.37	-42.76	0.27	-0.26	
10479.00	91.480	266.690	7248.25	2325.25	2844.75	-1918.39	-2546.16	40°32'50.716"N	104°45'44.538"W	0.58	81.59	0.43	-0.39	
10574.00	91.820	269.000	7245.52	2322.52	2938.78	-1921.96	-2641.04	40°32'50.680"N	104°45'45.767"W	2.46	99.87	0.36	2.43	
10669.00	91.110	273.060	7243.09	2320.09	3031.92	-1920.25	-2735.98	40°32'50.697"N	104°45'46.997"W	4.34	128.51	-0.75	4.27	
10763.00	89.940	274.530	7242.22	2319.22	3123.14	-1914.03	-2829.76	40°32'50.758"N	104°45'48.212"W	2.00	-75.72	-1.24	1.56	
10858.00	90.370	272.840	7241.97	2318.97	3215.37	-1907.93	-2924.56	40°32'50.819"N	104°45'49.440"W	1.84	-90.00	0.45	-1.78	
10952.00	90.370	272.660	7241.36	2318.36	3306.99	-1903.42	-3018.45	40°32'50.863"N	104°45'50.656"W	0.19	-104.51	0.00	-0.19	
11047.00	90.150	271.810	7240.93	2317.93	3399.78	-1899.71	-3113.38	40°32'50.899"N	104°45'51.886"W	0.92	-94.15	-0.23	-0.89	
11141.00	90.060	270.570	7240.76	2317.76	3491.93	-1897.76	-3207.36	40°32'50.919"N	104°45'53.103"W	1.32	-65.22	-0.10	-1.32	
11236.00	90.180	270.310	7240.56	2317.56	3585.31	-1897.03	-3302.35	40°32'50.926"N	104°45'54.334"W	0.30	91.95	0.13	-0.27	
11331.00	90.150	271.190	7240.28	2317.28	3678.59	-1895.79	-3397.34	40°32'50.938"N	104°45'55.564"W	0.93	-101.36	-0.03	0.93	
11425.00	89.720	269.050	7240.39	2317.39	3771.07	-1895.59	-3491.34	40°32'50.940"N	104°45'56.782"W	2.32	-84.87	-0.46	-2.28	
11520.00	89.940	266.600	7240.67	2317.67	3865.14	-1899.19	-3586.26	40°32'50.904"N	104°45'58.011"W	2.59	-86.93	0.23	-2.58	
11615.00	90.000	265.480	7240.72	2317.72	3959.59	-1905.76	-3681.03	40°32'50.839"N	104°45'59.239"W	1.18	-129.81	0.06	-1.18	
11709.00	89.750	265.180	7240.93	2317.93	4053.15	-1913.41	-3774.72	40°32'50.763"N	104°46'00.453"W	0.42	82.84	-0.27	-0.32	
11804.00	90.180	268.600	7240.99	2317.99	4147.42	-1918.56	-3869.57	40°32'50.712"N	104°46'01.681"W	3.63	94.40	0.45	3.60	
11899.00	89.820	273.280	7240.99	2317.99	4240.62	-1917.00	-3964.53	40°32'50.727"N	104°46'02.911"W	4.94	-86.35	-0.38	4.93	
11993.00	89.850	272.810	7241.26	2318.26	4332.13	-1912.01	-4058.39	40°32'50.777"N	104°46'04.127"W	0.50	-75.13	0.03	-0.50	
12088.00	90.150	271.680	7241.26	2318.26	4424.91	-1908.29	-4153.32	40°32'50.813"N	104°46'05.357"W	1.23	-86.98	0.32	-1.19	
12182.00	90.250	269.780	7240.93	2317.93	4517.21	-1907.09	-4247.31	40°32'50.825"N	104°46'06.574"W	2.02	-105.99	0.11	-2.02	
12277.00	89.780	268.140	7240.90	2317.90	4611.00	-1908.82	-4342.29	40°32'50.808"N	104°46'07.805"W	1.80	-127.27	-0.49	-1.73	
12372.00	89.080	267.220	7241.85	2318.85	4705.11	-1912.66	-4437.20	40°32'50.770"N	104°46'09.034"W	1.22	0.98	-0.74	-0.97	
12466.00	90.250	267.240	7242.40	2319.40	4798.32	-1917.20	-4531.09	40°32'50.724"N	104°46'10.250"W	1.24	95.88	1.24	0.02	
12561.00	90.150	268.210	7242.07	2319.07	4892.42	-1920.97	-4626.01	40°32'50.687"N	104°46'11.480"W	1.03	164.62	-0.11	1.02	

REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (196 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Tooface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12655.00	89.750	268.320	7242.15	2319.15	4985.40	-1923.82	-4719.97	40°32'50.659"N	104°46'12.697"W	0.44	-50.94	-0.43	0.12	
12750.00	90.310	267.630	7242.10	2319.10	5079.45	-1927.18	-4814.91	40°32'50.625"N	104°46'13.927"W	0.94	7.12	0.59	-0.73	
12845.00	91.110	267.730	7240.92	2317.92	5173.55	-1931.02	-4909.82	40°32'50.587"N	104°46'15.156"W	0.85	19.17	0.84	0.11	
12940.00	91.570	267.890	7238.70	2315.70	5267.60	-1934.65	-5004.73	40°32'50.551"N	104°46'16.386"W	0.51	-179.71	0.48	0.17	
13034.00	89.630	267.880	7237.72	2314.72	5360.67	-1938.12	-5098.65	40°32'50.517"N	104°46'17.602"W	2.06	-79.08	-2.06	-0.01	
13129.00	89.850	266.740	7238.15	2315.15	5454.86	-1942.58	-5193.55	40°32'50.472"N	104°46'18.831"W	1.22	170.91	0.23	-1.20	
13224.00	89.600	266.780	7238.60	2315.60	5549.17	-1947.95	-5288.39	40°32'50.419"N	104°46'20.060"W	0.27	66.18	-0.26	0.04	
13318.00	89.940	267.550	7238.98	2315.98	5642.40	-1952.60	-5382.28	40°32'50.373"N	104°46'21.276"W	0.90	114.68	0.36	0.82	
13413.00	89.600	268.290	7239.36	2316.36	5736.45	-1956.05	-5477.21	40°32'50.339"N	104°46'22.506"W	0.86	78.06	-0.36	0.78	
13508.00	89.820	269.330	7239.84	2316.84	5830.28	-1958.02	-5572.19	40°32'50.319"N	104°46'23.736"W	1.12	96.81	0.23	1.09	
13602.00	89.660	270.670	7240.27	2317.27	5922.81	-1958.02	-5666.19	40°32'50.319"N	104°46'24.954"W	1.44	78.59	-0.17	1.43	
13696.00	89.880	271.760	7240.65	2317.65	6014.96	-1956.03	-5760.16	40°32'50.338"N	104°46'26.171"W	1.18	158.55	0.23	1.16	
13791.00	89.600	271.870	7241.08	2318.08	6107.89	-1953.02	-5855.12	40°32'50.368"N	104°46'27.401"W	0.32	101.68	-0.29	0.12	
13885.00	89.350	273.080	7241.94	2318.94	6199.60	-1948.96	-5949.02	40°32'50.408"N	104°46'28.618"W	1.31	-5.32	-0.27	1.29	
13980.00	89.780	273.040	7242.66	2319.66	6292.08	-1943.89	-6043.88	40°32'50.458"N	104°46'29.846"W	0.45	120.96	0.45	-0.04	
14075.00	89.720	273.140	7243.07	2320.07	6384.55	-1938.77	-6138.74	40°32'50.508"N	104°46'31.075"W	0.12	-12.80	-0.06	0.11	
14169.00	89.940	273.090	7243.35	2320.35	6476.03	-1933.66	-6232.60	40°32'50.558"N	104°46'32.291"W	0.24	-120.26	0.23	-0.05	
14263.00	89.660	272.610	7243.68	2320.68	6567.62	-1928.98	-6326.49	40°32'50.604"N	104°46'33.507"W	0.59	-78.59	-0.30	-0.51	
14357.00	89.880	271.520	7244.06	2321.06	6659.48	-1925.60	-6420.42	40°32'50.637"N	104°46'34.724"W	1.18	-119.01	0.23	-1.16	
14452.00	89.320	270.510	7244.72	2321.72	6752.68	-1923.91	-6515.41	40°32'50.654"N	104°46'35.954"W	1.22	-70.93	-0.59	-1.06	
14546.00	89.780	269.180	7245.46	2322.46	6845.24	-1924.17	-6609.40	40°32'50.651"N	104°46'37.172"W	1.50	-86.15	0.49	-1.41	
14641.00	89.850	268.140	7245.77	2322.77	6939.11	-1926.39	-6704.37	40°32'50.629"N	104°46'38.402"W	1.10	-101.63	0.07	-1.09	
14735.00	89.780	267.800	7246.07	2323.07	7032.17	-1929.72	-6798.31	40°32'50.596"N	104°46'39.619"W	0.37	-93.95	-0.07	-0.36	
14830.00	89.720	266.930	7246.49	2323.49	7126.35	-1934.09	-6893.21	40°32'50.552"N	104°46'40.848"W	0.92	32.01	-0.06	-0.92	
14925.00	89.880	267.030	7246.82	2323.82	7220.61	-1939.09	-6988.08	40°32'50.503"N	104°46'42.077"W	0.20	90.00	0.17	0.11	
15019.00	89.880	267.220	7247.01	2324.01	7313.85	-1943.81	-7081.96	40°32'50.456"N	104°46'43.293"W	0.20	-170.84	0.00	0.20	
15114.00	89.570	267.170	7247.47	2324.47	7408.06	-1948.46	-7176.84	40°32'50.409"N	104°46'44.522"W	0.33	90.00	-0.33	-0.05	
15208.00	89.570	267.950	7248.18	2325.18	7501.21	-1952.46	-7270.76	40°32'50.370"N	104°46'45.739"W	0.83	112.07	0.00	0.83	
15303.00	89.420	268.320	7249.01	2326.01	7595.21	-1955.55	-7365.70	40°32'50.339"N	104°46'46.969"W	0.42	61.39	-0.16	0.39	
15397.00	89.780	268.980	7249.67	2326.67	7688.09	-1957.76	-7459.67	40°32'50.317"N	104°46'48.186"W	0.80	81.57	0.38	0.70	
15492.00	89.820	269.250	7250.00	2327.00	7781.85	-1959.23	-7554.66	40°32'50.302"N	104°46'49.416"W	0.29	90.00	0.04	0.28	
15586.00	89.820	269.820	7250.30	2327.30	7874.51	-1959.99	-7648.66	40°32'50.294"N	104°46'50.634"W	0.61	94.88	0.00	0.61	
15681.00	89.750	270.640	7250.65	2327.65	7967.95	-1959.61	-7743.65	40°32'50.297"N	104°46'51.865"W	0.87	-101.31	-0.07	0.86	
15775.00	89.690	270.340	7251.11	2328.11	8060.32	-1958.81	-7837.65	40°32'50.305"N	104°46'53.082"W	0.33	-75.49	-0.06	-0.32	
15870.00	89.910	269.490	7251.44	2328.44	8153.86	-1958.95	-7932.65	40°32'50.303"N	104°46'54.313"W	0.92	-85.82	0.23	-0.89	
15965.00	89.940	269.080	7251.57	2328.57	8247.57	-1960.13	-8027.64	40°32'50.291"N	104°46'55.543"W	0.43	-37.06	0.03	-0.43	
16059.00	90.430	268.710	7251.26	2328.26	8340.39	-1961.95	-8121.62	40°32'50.273"N	104°46'56.761"W	0.65	-132.31	0.52	-0.39	
16154.00	89.720	267.930	7251.14	2328.14	8434.35	-1964.73	-8216.58	40°32'50.245"N	104°46'57.991"W	1.11	-147.36	-0.75	-0.82	
16248.00	89.080	267.520	7252.12	2329.12	8527.46	-1968.46	-8310.50	40°32'50.208"N	104°46'59.207"W	0.81	-133.00	-0.68	-0.44	
16343.00	87.720	266.060	7254.78	2331.78	8621.71	-1973.78	-8405.31	40°32'50.155"N	104°47'00.435"W	2.10	1.88	-1.43	-1.54	
16437.00	89.850	266.130	7256.77	2333.77	8715.13	-1980.18	-8499.06	40°32'50.092"N	104°47'01.650"W	2.27	80.22	2.27	0.07	
16532.00	90.620	270.600	7256.38	2333.38	8809.05	-1982.89	-8594.00	40°32'50.065"N	104°47'02.880"W	4.77	-168.94	0.81	4.71	
16627.00	88.830	270.250	7256.84	2333.84	8902.43	-1982.19	-8688.99	40°32'50.071"N	104°47'04.110"W	1.92	29.83	-1.88	-0.37	
16721.00	90.400	271.150	7257.47	2334.47	8994.74	-1981.04	-8782.98	40°32'50.082"N	104°47'05.328"W	1.93	103.24	1.67	0.96	
16816.00	90.000	272.850	7257.14	2334.14	9087.60	-1977.72	-8877.92	40°32'50.115"N	104°47'06.557"W	1.84	73.30	-0.42	1.79	

REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL, SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH DATA (196 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Tooface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
16911.00	90.180	273.450	7256.99	2333.99	9180.05	-1972.50	-8972.77	40°32'50.166"N	104°47'07.786"W	0.66	-108.43	0.19	0.63	
17005.00	89.910	272.640	7256.91	2333.91	9271.56	-1967.51	-9066.64	40°32'50.215"N	104°47'09.002"W	0.91	-60.42	-0.29	-0.86	
17099.00	90.120	272.270	7256.89	2333.89	9363.29	-1963.48	-9160.55	40°32'50.254"N	104°47'10.219"W	0.45	-70.82	0.22	-0.39	
17194.00	90.280	271.810	7256.56	2333.56	9456.14	-1960.10	-9255.49	40°32'50.288"N	104°47'11.448"W	0.51	-142.31	0.17	-0.48	
17288.00	90.060	271.640	7256.28	2333.28	9548.12	-1957.27	-9349.45	40°32'50.315"N	104°47'12.666"W	0.30	84.07	-0.23	-0.18	
17382.00	90.220	273.180	7256.05	2333.05	9639.86	-1953.32	-9443.36	40°32'50.354"N	104°47'13.882"W	1.65	75.96	0.17	1.64	
17476.00	90.430	274.020	7255.51	2332.51	9731.16	-1947.42	-9537.17	40°32'50.412"N	104°47'15.097"W	0.92	-52.81	0.22	0.89	
17571.00	90.650	273.730	7254.62	2331.62	9823.32	-1941.00	-9631.95	40°32'50.475"N	104°47'16.325"W	0.38	-86.46	0.23	-0.31	
17665.00	90.740	272.270	7253.48	2330.48	9914.84	-1936.08	-9725.81	40°32'50.523"N	104°47'17.541"W	1.56	-99.93	0.10	-1.55	
17760.00	90.430	270.500	7252.51	2329.51	10007.91	-1933.78	-9820.78	40°32'50.545"N	104°47'18.771"W	1.89	-79.99	-0.33	-1.86	
17854.00	90.580	269.650	7251.68	2328.68	10100.41	-1933.66	-9914.77	40°32'50.546"N	104°47'19.989"W	0.92	40.54	0.16	-0.90	
17949.00	91.480	270.420	7249.97	2326.97	10193.89	-1933.60	-10009.76	40°32'50.546"N	104°47'21.219"W	1.25	141.74	0.95	0.81	
18043.00	90.770	270.980	7248.13	2325.13	10286.18	-1932.45	-10103.73	40°32'50.557"N	104°47'22.436"W	0.96	-94.69	-0.76	0.60	
18138.00	90.550	268.310	7247.03	2324.03	10379.78	-1933.04	-10198.71	40°32'50.551"N	104°47'23.667"W	2.82	-12.09	-0.23	-2.81	
18233.00	90.830	268.250	7245.89	2322.89	10473.74	-1935.89	-10293.66	40°32'50.523"N	104°47'24.897"W	0.30	0.00	0.29	-0.06	LAST BHGE MWD SURVEY (2101'FNL & 729'FWL SEC.28)
18266.00	90.830	268.250	7245.41	2322.41	10506.38	-1936.90	-10326.64	40°32'50.513"N	104°47'25.324"W	0.00		0.00	0.00	EXTRAPOLATED TO TD (2101'FNL & 696'FWL SEC.28)

HOLE & CASING SECTIONS - Ref Wellbore: LEFFLER J-26-28HN AWB Ref Wellpath: LEFFLER J-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 Conductor	25.00	105.00	80.00	25.00	105.00	0.00	0.00	-0.02	0.10
13.5in Open Hole	25.00	1562.00	1537.00	25.00	1535.23	0.00	0.00	-203.82	77.18
9.625in Casing Surface	25.00	1562.00	1537.00	25.00	1535.23	0.00	0.00	-203.82	77.18
8.5in Open Hole	1562.00	18266.00	16704.00	1535.23	7245.41	-203.82	77.18	-1936.90	-10326.64

REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL, SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-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	29.51	-45.30	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	29.51	-45.30	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	29.51	-45.30	3207472.30	1445087.74	40°33'09.965"N	104°45'12.143"W	polygon
LEFFLER J-26-28HN 550' from LP REV-2	7103.00	-1889.92	260.95	3207794.70	1443171.02	40°32'50.998"N	104°45'08.176"W	point
LEFFLER J-26-28HN WAYPOINT #4 REV-1	7233.00	-1922.20	-3988.89	3203545.41	1443102.95	40°32'50.676"N	104°46'03.227"W	point
LEFFLER J-26-28HN WAYPOINT #5 REV-1	7233.00	-1938.52	-6138.83	3201395.75	1443068.53	40°32'50.510"N	104°46'31.076"W	point
LEFFLER J-26-28HN WAYPOINT #3 REV-1	7238.00	-1917.56	-3388.88	3204145.34	1443112.65	40°32'50.723"N	104°45'55.454"W	point
LEFFLER J-26-28HN BHL PLAT REV-1 (2140'FNL & 5'FWL, SEC.28)	7243.00	-1975.42	-11017.59	3196517.62	1442990.54	40°32'50.129"N	104°47'34.274"W	point
LEFFLER J-26-28HN WAYPOINT #2 REV-2	7243.00	-1912.25	-2688.80	3204845.33	1443123.85	40°32'50.776"N	104°45'46.386"W	point
LEFFLER J-26-28HN WAYPOINT #6 REV-1	7253.00	-1955.39	-8389.03	3199145.84	1443032.70	40°32'50.337"N	104°47'00.225"W	point
LEFFLER J-26-28HN WAYPOINT #1 REV-1	7268.00	-1903.17	-1489.06	3206044.91	1443143.03	40°32'50.867"N	104°45'30.845"W	point
LEFFLER J-26-28HN LP PLAT (2140'FNL & 5'FWL, SEC.27)	7288.00	-1894.09	-289.03	3207244.79	1443162.22	40°32'50.957"N	104°45'15.300"W	point

WELLPATH COMPOSITION - Ref Wellbore: LEFFLER J-26-28HN AWB Ref Wellpath: LEFFLER J-26-28HN AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1506.00	BHI NaviTrak (Rotating+Axial Corr)	13.5" Surface - BHI NaviTrak (Rotating+Axial Corr) <25'MD-1562'MD>	LEFFLER J-26-28HN AWB
1506.00	18233.00	BHI AutoTrak Curve (Short)	8.5" Monobore - BHI AutoTrak Curve (Short) <1593'MD- 18233'MD>	LEFFLER J-26-28HN AWB
18233.00	18266.00	Blind Drilling (std)	Projection to bit	LEFFLER J-26-28HN AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	BAYSWATER E&P, LLC	Slot	SLOT#19 LEFFLER J-26-28HN (250'FNL & 295'FWL,SEC.26)
Area	COLORADO	Well	LEFFLER J-26-28HN
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	LEFFLER J-26-28HN AWB
Facility	SEC.26-T07N-R66W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
0.00	0.000	101.450	0.00	KB
25.00	0.000	101.450	25.00	GL
231.00	0.390	101.450	231.00	FIRST BHGE MWD SURVEY
1562.00	20.409	167.514	1535.23	9 5/8" SURFACE CASING (INTERPOLATED)
18233.00	90.830	268.250	7245.89	LAST BHGE MWD SURVEY (2101'FNL & 729'FWL SEC.28)
18266.00	90.830	268.250	7245.41	EXTRAPOLATED TO TD (2101'FNL & 696'FWL SEC.28)