

# BAYSWATER E & P, LLC

Location	Weld County, CO	Slot	Leffler I-26-28HN
Field	WATTENBERG	Well	W Leffler I-26-28HN
Installation	Leffler Pad	Wellbore	W Leffler I-26-28HN (PWB)

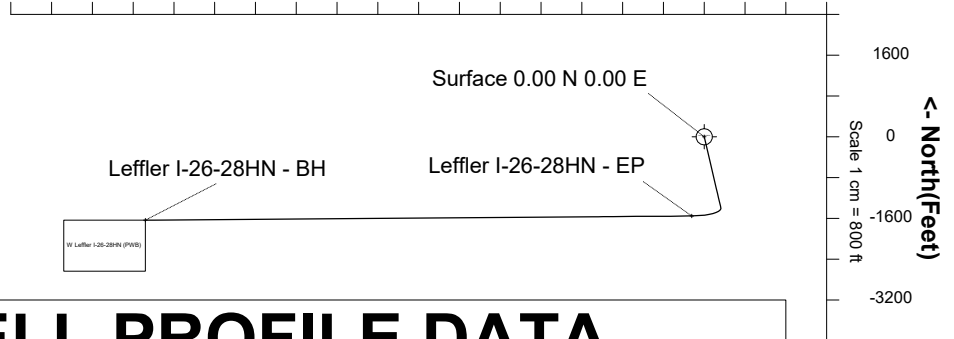
N

TRUE

Scale 1 cm = 800 ft

East (Feet) ->

-12800 -11200 -9600 -8000 -6400 -4800 -3200 -1600 0 1600

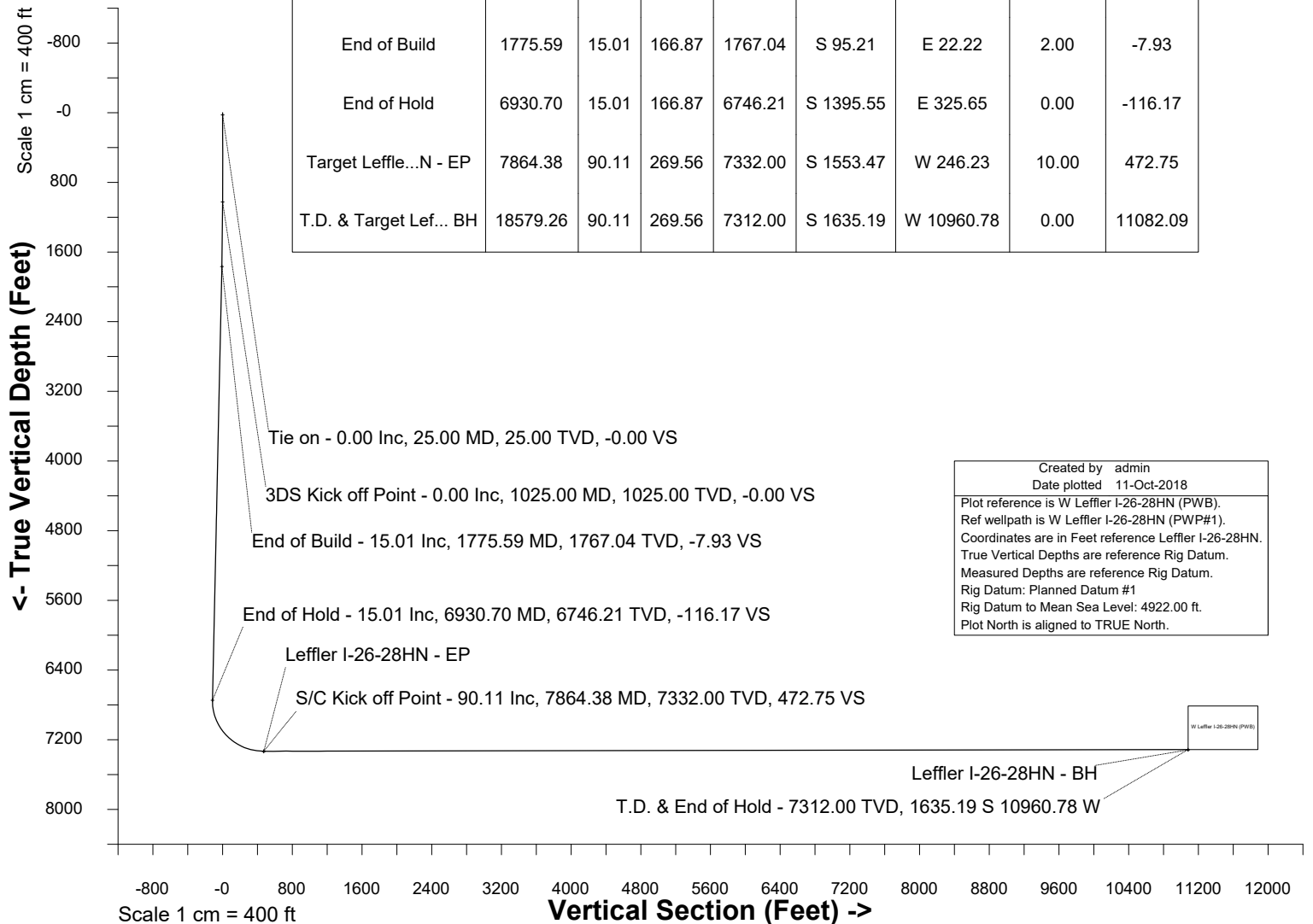


## WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	25.00	0.00	0.00	25.00	S 0.00	W 0.00		-0.00
KOP	1025.00	0.00	166.87	1025.00	S 0.00	W 0.00	0.00	-0.00
End of Build	1775.59	15.01	166.87	1767.04	S 95.21	E 22.22	2.00	-7.93
End of Hold	6930.70	15.01	166.87	6746.21	S 1395.55	E 325.65	0.00	-116.17
Target Leffle...N - EP	7864.38	90.11	269.56	7332.00	S 1553.47	W 246.23	10.00	472.75
T.D. & Target Lef... BH	18579.26	90.11	269.56	7312.00	S 1635.19	W 10960.78	0.00	11082.09

Jul-30-2018

EMM-2015 [2000.0-2020.0] Dip: 66.99 deg Field: 52394.0 nT  
Lat: N40 33 10.0548 Long: W104 45 12.7260 Elev: 0.00 ft  
Magnetic North is 8.06 deg East of TRUE North  
To correct azimuth from Magnetic to TRUE add 8.06 deg



Azimuth 261.51 with reference 0.00 N, 0.00 E from Leffler I-26-28HN

Created by admin  
Date plotted 11-Oct-2018  
Plot reference is W Leffler I-26-28HN (PWB).  
Ref wellpath is W Leffler I-26-28HN (PWP#1).  
Coordinates are in Feet reference Leffler I-26-28HN.  
True Vertical Depths are reference Rig Datum.  
Measured Depths are reference Rig Datum.  
Rig Datum: Planned Datum #1  
Rig Datum to Mean Sea Level: 4922.00 ft.  
Plot North is aligned to TRUE North.



SYSDRILL  
Well Design Combined Report  
Wellbore: W Leffler I-26-28HN (PWB)



### Wellhead Details

Name	Latitude	Longitude	Northing	Easting	North	East	Slot Elevation Above Ground
Leffler I-26-28HN	40.55265800	-104.75337100	1445047.6711	3207473.1972	49.18S	45.57E	0.00

### Declination

Date	Source	Time
Jul-30-2018	EMM-2015 [2000.0-2020.0]	11:39

### Installation Details

Name	Installation Position (Latitude)	Installation Position (Longitude)	Northing	Easting	Coord System Name	North Alignment
Leffler Pad	40.55279300	-104.75353500	1445096.4676	3207427.2119	CO83-NF on NORTH AMERICAN DATUM 1983 datum	True

### Summary Wellpath

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
25.00	0.00	0.000	25.00	0.00N	0.00E		0.00	1445047.67	3207473.20
1025.00	0.00	166.870	1025.00	0.00N	0.00E	==>	0.00	1445047.67	3207473.20
1775.59	15.01	166.870	1767.04	95.21S	22.22E	2.00	-7.93	1444952.65	3207496.21
6930.70	15.01	166.870	6746.21	1395.55S	325.65E	==>	-116.17	1443654.95	3207810.57
7864.38	90.11	269.560	7332.00	1553.47S	246.23W	10.00	472.75	1443492.24	3207240.07
18579.26	90.11	269.560	7312.00	1635.19S	10960.78W	==>	11082.09	1443320.31	3196526.91

### Interpolated Wellpath

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	All Station Comments
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	Rig Datum
25.00	0.00	0.000	25.00	0.00N	0.00E	==>	0.00	Slot Datum
100.00	0.00	0.000	100.00	0.00N	0.00E	==>	0.00	
200.00	0.00	0.000	200.00	0.00N	0.00E	==>	0.00	
300.00	0.00	0.000	300.00	0.00N	0.00E	==>	0.00	
400.00	0.00	0.000	400.00	0.00N	0.00E	==>	0.00	
500.00	0.00	0.000	500.00	0.00N	0.00E	==>	0.00	
600.00	0.00	0.000	600.00	0.00N	0.00E	==>	0.00	
700.00	0.00	0.000	700.00	0.00N	0.00E	==>	0.00	
800.00	0.00	0.000	800.00	0.00N	0.00E	==>	0.00	
900.00	0.00	0.000	900.00	0.00N	0.00E	==>	0.00	
1000.00	0.00	0.000	1000.00	0.00N	0.00E	==>	0.00	
1100.00	1.50	166.870	1099.99	0.96S	0.22E	2.00	-0.08	
1200.00	3.50	166.870	1199.89	5.20S	1.21E	2.00	-0.43	
1300.00	5.50	166.870	1299.58	12.84S	3.00E	2.00	-1.07	
1400.00	7.50	166.870	1398.93	23.87S	5.57E	2.00	-1.99	
1500.00	9.50	166.870	1497.83	38.26S	8.93E	2.00	-3.18	
1600.00	11.50	166.870	1596.15	56.01S	13.07E	2.00	-4.66	
1700.00	13.50	166.870	1693.77	77.08S	17.99E	2.00	-6.42	
1800.00	15.01	166.870	1790.61	101.37S	23.65E	==>	-8.44	
1900.00	15.01	166.870	1887.20	126.59S	29.54E	==>	-10.54	
2000.00	15.01	166.870	1983.78	151.82S	35.43E	==>	-12.64	
2100.00	15.01	166.870	2080.37	177.04S	41.31E	==>	-14.74	
2200.00	15.01	166.870	2176.96	202.26S	47.20E	==>	-16.84	
2300.00	15.01	166.870	2273.54	227.49S	53.08E	==>	-18.94	
2400.00	15.01	166.870	2370.13	252.71S	58.97E	==>	-21.04	
2500.00	15.01	166.870	2466.72	277.94S	64.86E	==>	-23.14	
2600.00	15.01	166.870	2563.31	303.16S	70.74E	==>	-25.24	
2700.00	15.01	166.870	2659.89	328.39S	76.63E	==>	-27.33	
2800.00	15.01	166.870	2756.48	353.61S	82.51E	==>	-29.43	
2900.00	15.01	166.870	2853.07	378.84S	88.40E	==>	-31.53	
3000.00	15.01	166.870	2949.66	404.06S	94.29E	==>	-33.63	
3100.00	15.01	166.870	3046.24	429.28S	100.17E	==>	-35.73	

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4922.0ft above Mean Sea Level)  
Vertical Section is from 0.00N 0.00E on azimuth 261.510 degrees  
Bottom hole distance is 11082.09 Feet on azimuth 261.51 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by Microsoft  
Date Printed: 11-Oct-2018



SYSDRILL  
Well Design Combined Report  
Wellbore: W Leffler I-26-28HN (PWB)



Interpolated Wellpath								
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	All Station Comments
3200.00	15.01	166.870	3142.83	454.51S	106.06E	==>	-37.83	
3300.00	15.01	166.870	3239.42	479.73S	111.94E	==>	-39.93	
3400.00	15.01	166.870	3336.00	504.96S	117.83E	==>	-42.03	
3500.00	15.01	166.870	3432.59	530.18S	123.72E	==>	-44.13	
3600.00	15.01	166.870	3529.18	555.41S	129.60E	==>	-46.23	
3700.00	15.01	166.870	3625.77	580.63S	135.49E	==>	-48.33	
3800.00	15.01	166.870	3722.35	605.85S	141.37E	==>	-50.43	
3900.00	15.01	166.870	3818.94	631.08S	147.26E	==>	-52.53	
4000.00	15.01	166.870	3915.53	656.30S	153.15E	==>	-54.63	
4100.00	15.01	166.870	4012.11	681.53S	159.03E	==>	-56.73	
4200.00	15.01	166.870	4108.70	706.75S	164.92E	==>	-58.83	
4300.00	15.01	166.870	4205.29	731.98S	170.80E	==>	-60.93	
4400.00	15.01	166.870	4301.88	757.20S	176.69E	==>	-63.03	
4500.00	15.01	166.870	4398.46	782.42S	182.58E	==>	-65.13	
4600.00	15.01	166.870	4495.05	807.65S	188.46E	==>	-67.23	
4700.00	15.01	166.870	4591.64	832.87S	194.35E	==>	-69.33	
4800.00	15.01	166.870	4688.22	858.10S	200.23E	==>	-71.43	
4900.00	15.01	166.870	4784.81	883.32S	206.12E	==>	-73.53	
5000.00	15.01	166.870	4881.40	908.55S	212.01E	==>	-75.63	
5100.00	15.01	166.870	4977.99	933.77S	217.89E	==>	-77.73	
5200.00	15.01	166.870	5074.57	958.99S	223.78E	==>	-79.83	
5300.00	15.01	166.870	5171.16	984.22S	229.66E	==>	-81.93	
5400.00	15.01	166.870	5267.75	1009.44S	235.55E	==>	-84.03	
5500.00	15.01	166.870	5364.34	1034.67S	241.44E	==>	-86.13	
5600.00	15.01	166.870	5460.92	1059.89S	247.32E	==>	-88.23	
5700.00	15.01	166.870	5557.51	1085.12S	253.21E	==>	-90.33	
5800.00	15.01	166.870	5654.10	1110.34S	259.09E	==>	-92.42	
5900.00	15.01	166.870	5750.68	1135.56S	264.98E	==>	-94.52	
6000.00	15.01	166.870	5847.27	1160.79S	270.87E	==>	-96.62	
6100.00	15.01	166.870	5943.86	1186.01S	276.75E	==>	-98.72	
6200.00	15.01	166.870	6040.45	1211.24S	282.64E	==>	-100.82	
6300.00	15.01	166.870	6137.03	1236.46S	288.52E	==>	-102.92	
6400.00	15.01	166.870	6233.62	1261.69S	294.41E	==>	-105.02	
6500.00	15.01	166.870	6330.21	1286.91S	300.30E	==>	-107.12	
6600.00	15.01	166.870	6426.79	1312.14S	306.18E	==>	-109.22	
6700.00	15.01	166.870	6523.38	1337.36S	312.07E	==>	-111.32	
6800.00	15.01	166.870	6619.97	1362.58S	317.95E	==>	-113.42	
6900.00	15.01	166.870	6716.56	1387.81S	323.84E	==>	-115.52	
7000.00	15.11	193.770	6813.21	1413.08S	325.54E	10.00	-113.47	
7100.00	19.95	223.400	6908.73	1438.20S	310.68E	10.00	-95.07	
7200.00	27.62	239.530	7000.26	1462.40S	278.90E	10.00	-60.07	
7300.00	36.38	248.730	7085.03	1484.97S	231.16E	10.00	-9.52	
7400.00	45.59	254.690	7160.47	1505.22S	168.92E	10.00	55.03	
7500.00	55.03	258.990	7224.27	1522.52S	94.05E	10.00	131.63	
7600.00	64.59	262.400	7274.51	1536.35S	8.85E	10.00	217.94	
7700.00	74.22	265.290	7309.65	1546.30S	84.10W	10.00	311.34	
7800.00	83.88	267.930	7328.62	1552.06S	181.99W	10.00	409.01	
7900.00	90.11	269.560	7331.93	1553.74S	281.85W	==>	508.02	
8000.00	90.11	269.560	7331.75	1554.50S	381.85W	==>	607.04	
8100.00	90.11	269.560	7331.56	1555.26S	481.84W	==>	706.05	
8200.00	90.11	269.560	7331.37	1556.03S	581.84W	==>	805.07	
8300.00	90.11	269.560	7331.19	1556.79S	681.84W	==>	904.08	
8400.00	90.11	269.560	7331.00	1557.55S	781.83W	==>	1003.10	
8500.00	90.11	269.560	7330.81	1558.31S	881.83W	==>	1102.11	
8600.00	90.11	269.560	7330.63	1559.08S	981.83W	==>	1201.13	
8700.00	90.11	269.560	7330.44	1559.84S	1081.83W	==>	1300.14	
8800.00	90.11	269.560	7330.25	1560.60S	1181.82W	==>	1399.16	
8900.00	90.11	269.560	7330.07	1561.36S	1281.82W	==>	1498.17	
9000.00	90.11	269.560	7329.88	1562.13S	1381.82W	==>	1597.19	

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Planned Datum #1 4922.0ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 261.510 degrees  
Bottom hole distance is 11082.09 Feet on azimuth 261.51 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by Microsoft  
Date Printed: 11-Oct-2018



SYSDRILL  
Well Design Combined Report  
Wellbore: W Leffler I-26-28HN (PWB)



Interpolated Wellpath								
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	All Station Comments
9100.00	90.11	269.560	7329.69	1562.89S	1481.81W	==>	1696.20	
9200.00	90.11	269.560	7329.51	1563.65S	1581.81W	==>	1795.22	
9300.00	90.11	269.560	7329.32	1564.42S	1681.81W	==>	1894.23	
9400.00	90.11	269.560	7329.13	1565.18S	1781.80W	==>	1993.25	
9500.00	90.11	269.560	7328.95	1565.94S	1881.80W	==>	2092.26	
9600.00	90.11	269.560	7328.76	1566.70S	1981.80W	==>	2191.28	
9700.00	90.11	269.560	7328.57	1567.47S	2081.79W	==>	2290.29	
9800.00	90.11	269.560	7328.39	1568.23S	2181.79W	==>	2389.31	
9900.00	90.11	269.560	7328.20	1568.99S	2281.79W	==>	2488.32	
10000.00	90.11	269.560	7328.01	1569.75S	2381.79W	==>	2587.34	
10100.00	90.11	269.560	7327.83	1570.52S	2481.78W	==>	2686.35	
10200.00	90.11	269.560	7327.64	1571.28S	2581.78W	==>	2785.37	
10300.00	90.11	269.560	7327.45	1572.04S	2681.78W	==>	2884.38	
10400.00	90.11	269.560	7327.27	1572.80S	2781.77W	==>	2983.40	
10500.00	90.11	269.560	7327.08	1573.57S	2881.77W	==>	3082.41	
10600.00	90.11	269.560	7326.89	1574.33S	2981.77W	==>	3181.43	
10700.00	90.11	269.560	7326.71	1575.09S	3081.76W	==>	3280.44	
10800.00	90.11	269.560	7326.52	1575.86S	3181.76W	==>	3379.46	
10900.00	90.11	269.560	7326.33	1576.62S	3281.76W	==>	3478.47	
11000.00	90.11	269.560	7326.15	1577.38S	3381.75W	==>	3577.49	
11100.00	90.11	269.560	7325.96	1578.14S	3481.75W	==>	3676.50	
11200.00	90.11	269.560	7325.77	1578.91S	3581.75W	==>	3775.51	
11300.00	90.11	269.560	7325.59	1579.67S	3681.75W	==>	3874.53	
11400.00	90.11	269.560	7325.40	1580.43S	3781.74W	==>	3973.54	
11500.00	90.11	269.560	7325.21	1581.19S	3881.74W	==>	4072.56	
11600.00	90.11	269.560	7325.03	1581.96S	3981.74W	==>	4171.57	
11700.00	90.11	269.560	7324.84	1582.72S	4081.73W	==>	4270.59	
11800.00	90.11	269.560	7324.65	1583.48S	4181.73W	==>	4369.60	
11900.00	90.11	269.560	7324.47	1584.25S	4281.73W	==>	4468.62	
12000.00	90.11	269.560	7324.28	1585.01S	4381.72W	==>	4567.63	
12100.00	90.11	269.560	7324.09	1585.77S	4481.72W	==>	4666.65	
12200.00	90.11	269.560	7323.91	1586.53S	4581.72W	==>	4765.66	
12300.00	90.11	269.560	7323.72	1587.30S	4681.71W	==>	4864.68	
12400.00	90.11	269.560	7323.53	1588.06S	4781.71W	==>	4963.69	
12500.00	90.11	269.560	7323.35	1588.82S	4881.71W	==>	5062.71	
12600.00	90.11	269.560	7323.16	1589.58S	4981.71W	==>	5161.72	
12700.00	90.11	269.560	7322.97	1590.35S	5081.70W	==>	5260.74	
12800.00	90.11	269.560	7322.79	1591.11S	5181.70W	==>	5359.75	
12900.00	90.11	269.560	7322.60	1591.87S	5281.70W	==>	5458.77	
13000.00	90.11	269.560	7322.41	1592.64S	5381.69W	==>	5557.78	
13100.00	90.11	269.560	7322.23	1593.40S	5481.69W	==>	5656.80	
13200.00	90.11	269.560	7322.04	1594.16S	5581.69W	==>	5755.81	
13300.00	90.11	269.560	7321.85	1594.92S	5681.68W	==>	5854.83	
13400.00	90.11	269.560	7321.67	1595.69S	5781.68W	==>	5953.84	
13500.00	90.11	269.560	7321.48	1596.45S	5881.68W	==>	6052.86	
13600.00	90.11	269.560	7321.29	1597.21S	5981.67W	==>	6151.87	
13700.00	90.11	269.560	7321.11	1597.97S	6081.67W	==>	6250.89	
13800.00	90.11	269.560	7320.92	1598.74S	6181.67W	==>	6349.90	
13900.00	90.11	269.560	7320.73	1599.50S	6281.67W	==>	6448.92	
14000.00	90.11	269.560	7320.55	1600.26S	6381.66W	==>	6547.93	
14100.00	90.11	269.560	7320.36	1601.02S	6481.66W	==>	6646.95	
14200.00	90.11	269.560	7320.17	1601.79S	6581.66W	==>	6745.96	
14300.00	90.11	269.560	7319.99	1602.55S	6681.65W	==>	6844.98	
14400.00	90.11	269.560	7319.80	1603.31S	6781.65W	==>	6943.99	
14500.00	90.11	269.560	7319.61	1604.08S	6881.65W	==>	7043.01	
14600.00	90.11	269.560	7319.43	1604.84S	6981.64W	==>	7142.02	
14700.00	90.11	269.560	7319.24	1605.60S	7081.64W	==>	7241.04	
14800.00	90.11	269.560	7319.05	1606.36S	7181.64W	==>	7340.05	
14900.00	90.11	269.560	7318.87	1607.13S	7281.63W	==>	7439.07	

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Vertical Section is from 0.00N 0.00E on azimuth 261.510 degrees  
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Interpolated Wellpath								
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	All Station Comments
15000.00	90.11	269.560	7318.68	1607.89S	7381.63W	==>	7538.08	
15100.00	90.11	269.560	7318.49	1608.65S	7481.63W	==>	7637.10	
15200.00	90.11	269.560	7318.31	1609.41S	7581.63W	==>	7736.11	
15300.00	90.11	269.560	7318.12	1610.18S	7681.62W	==>	7835.13	
15400.00	90.11	269.560	7317.93	1610.94S	7781.62W	==>	7934.14	
15500.00	90.11	269.560	7317.75	1611.70S	7881.62W	==>	8033.16	
15600.00	90.11	269.560	7317.56	1612.47S	7981.61W	==>	8132.17	
15700.00	90.11	269.560	7317.37	1613.23S	8081.61W	==>	8231.19	
15800.00	90.11	269.560	7317.19	1613.99S	8181.61W	==>	8330.20	
15900.00	90.11	269.560	7317.00	1614.75S	8281.60W	==>	8429.22	
16000.00	90.11	269.560	7316.81	1615.52S	8381.60W	==>	8528.23	
16100.00	90.11	269.560	7316.63	1616.28S	8481.60W	==>	8627.25	
16200.00	90.11	269.560	7316.44	1617.04S	8581.59W	==>	8726.26	
16300.00	90.11	269.560	7316.25	1617.80S	8681.59W	==>	8825.28	
16400.00	90.11	269.560	7316.07	1618.57S	8781.59W	==>	8924.29	
16500.00	90.11	269.560	7315.88	1619.33S	8881.59W	==>	9023.31	
16600.00	90.11	269.560	7315.69	1620.09S	8981.58W	==>	9122.32	
16700.00	90.11	269.560	7315.51	1620.85S	9081.58W	==>	9221.34	
16800.00	90.11	269.560	7315.32	1621.62S	9181.58W	==>	9320.35	
16900.00	90.11	269.560	7315.13	1622.38S	9281.57W	==>	9419.36	
17000.00	90.11	269.560	7314.95	1623.14S	9381.57W	==>	9518.38	
17100.00	90.11	269.560	7314.76	1623.91S	9481.57W	==>	9617.39	
17200.00	90.11	269.560	7314.57	1624.67S	9581.56W	==>	9716.41	
17300.00	90.11	269.560	7314.39	1625.43S	9681.56W	==>	9815.42	
17400.00	90.11	269.560	7314.20	1626.19S	9781.56W	==>	9914.44	
17500.00	90.11	269.560	7314.01	1626.96S	9881.55W	==>	10013.45	
17600.00	90.11	269.560	7313.83	1627.72S	9981.55W	==>	10112.47	
17700.00	90.11	269.560	7313.64	1628.48S	10081.55W	==>	10211.48	
17800.00	90.11	269.560	7313.45	1629.24S	10181.54W	==>	10310.50	
17900.00	90.11	269.560	7313.27	1630.01S	10281.54W	==>	10409.51	
18000.00	90.11	269.560	7313.08	1630.77S	10381.54W	==>	10508.53	
18100.00	90.11	269.560	7312.89	1631.53S	10481.54W	==>	10607.54	
18200.00	90.11	269.560	7312.71	1632.30S	10581.53W	==>	10706.56	
18300.00	90.11	269.560	7312.52	1633.06S	10681.53W	==>	10805.57	
18400.00	90.11	269.560	7312.33	1633.82S	10781.53W	==>	10904.59	
18500.00	90.11	269.560	7312.15	1634.58S	10881.52W	==>	11003.60	
18579.26	90.11	269.560	7312.00	1635.19S	10960.78W	==>	11082.09	

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Rig and TVD's are from Rig ( Planned Datum #1 4922.0ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 261.510 degrees  
Bottom hole distance is 11082.09 Feet on azimuth 261.51 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by Microsoft  
Date Printed: 11-Oct-2018



SYSDRILL  
Well Design Combined Report  
Wellbore: W Leffler I-26-28HN (PWB)



Targets							
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting
Leffler I-26-28HN - BH	1635.19S	10960.78W	7312.00	40.54816300	-104.79281100	1443320.31	3196526.91
Leffler I-26-28HN - EP	1553.47S	246.23W	7332.00	40.54839400	-104.75425700	1443492.24	3207240.07

Survey Tool Program					
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model
676416	Planned	1500.00	1497.83	WdW Rate Gyro	Standard
676415	Planned	18579.26	7312.00	ISCWSA MWD	Rev 4 + SAG + FLT

Notes



SYSDRILL  
Closest Approach + Clearance Factor Summary Report  
Wellbore: W Leffler I-26-28HN (PWB)



Ellipse separations are reported ONLY if BOTH wells have uncertainty data
Only Depth and Magnetic Reference Field error terms are correlated across tie points
Scan limit is calculated on CENTRE to CENTRE distance
Summary data uses Closest Approach clearance calculation for all minima
Hole size/Casings ARE included
Hole size/Casings are NOT subtracted from Centre-Centre distance
Confidence limit of 95.00% / 2.80 SD.

Wellbore		
Name	Created	Last Revised
W Leffler I-26-28HN (PWB)	Jul-30-2018	Oct-11-2018

Well		
Name	Government ID	Last Revised
W Leffler I-26-28HN		Jul-30-2018

Slot						
Name	Latitude	Longitude	Grid Northing	Grid Easting	North	East
Leffler I-26-28HN	40.55265800	-104.75337100	1445047.6711	3207473.1972	49.18S	45.57E

Installation						
Name	Installation Position (Latitude)	Installation Position (Longitude)	Easting	Northing	Coord System Name	North Alignment
Leffler Pad	40.55279300	-104.75353500	3207427.2119	1445096.4676	CO83-NF on NORTH AMERICAN DATUM 1983 datum	True

Clearance Summary							
Offset WellName	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
W Thornton 21K-443	84.28	17536.49	17536.49	-36.66	17479.07	0.73	17495.47
W Leffler 32-27	392.68	10089.96	10089.96	281.22	10113.58	3.48	10146.39
W Leffler 42-27	450.52	8440.35	8440.35	395.97	8456.76	7.69	8604.40
W Leffler 27C	482.01	9148.26	9148.26	405.03	9148.26	6.26	9162.14
W Leffler 41-27	739.58	1780.25	8423.95	735.66	1862.27	21.46	8866.86
W Leffler 1-27	1147.65	9810.95	9810.95	1046.73	9834.71	11.19	9982.35
W Leffler 31-27	1261.44	10091.60	10091.60	1150.78	10113.58	11.19	10277.62

