

BAYSWATER E & P, LLC

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

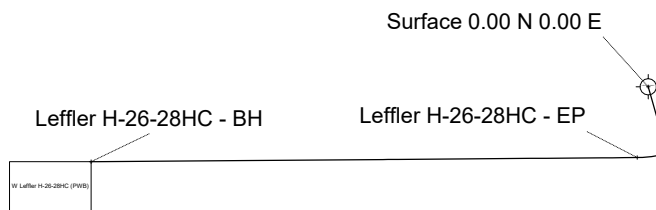
N

TRUE

Scale 1 cm = 800 ft

East (Feet) ->

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

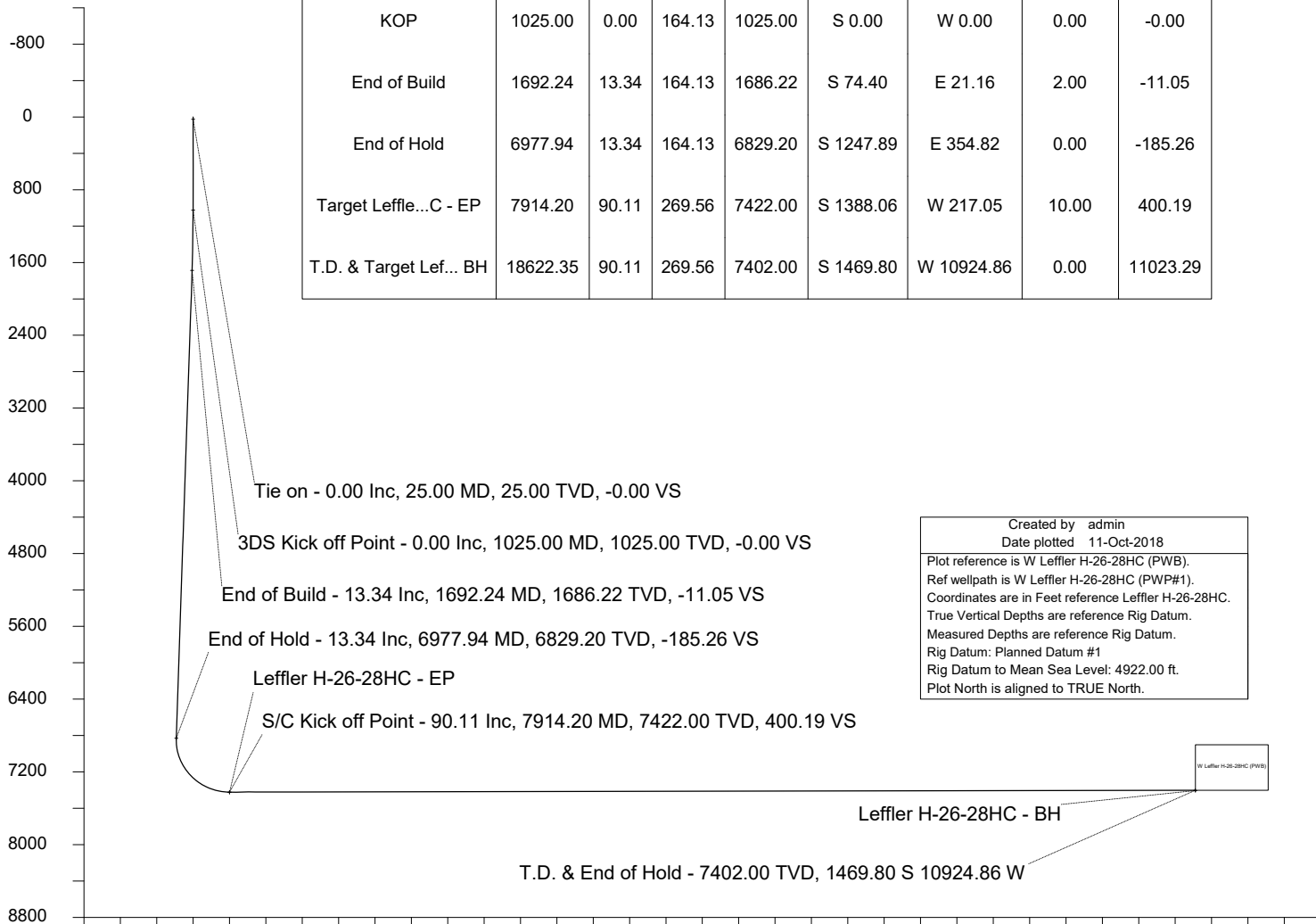


1600
0
-1600
-3200
Scale 1 cm = 800 ft
-< North(Feet)

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	164.13	1025.00	S 0.00	W 0.00	0.00	-0.00
End of Build	1692.24	13.34	164.13	1686.22	S 74.40	E 21.16	2.00	-11.05
End of Hold	6977.94	13.34	164.13	6829.20	S 1247.89	E 354.82	0.00	-185.26
Target Leffle...C - EP	7914.20	90.11	269.56	7422.00	S 1388.06	W 217.05	10.00	400.19
T.D. & Target Lef... BH	18622.35	90.11	269.56	7402.00	S 1469.80	W 10924.86	0.00	11023.29

Scale 1 cm = 400 ft
-< True Vertical Depth (Feet)



Created by admin
Date plotted 11-Oct-2018
Plot reference is W Leffler H-26-28HC (PWB).
Ref wellpath is W Leffler H-26-28HC (PWP#1).
Coordinates are in Feet reference Leffler H-26-28HC.
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.

Scale 1 cm = 400 ft

Vertical Section (Feet) ->

Azimuth 262.34 with reference 0.00 N, 0.00 E from Leffler H-26-28HC



SYSDRILL
Well Design Combined Report
Wellbore: W Leffler H-26-28HC (PWB)



Wellhead Details

Name	Latitude	Longitude	Northing	Easting	North	East	Slot Elevation Above Ground
Leffler H-26-28HC	40.55265700	-104.75347900	1445047.0541	3207443.1899	49.55S	15.56E	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	1445047.05	3207443.19
1025.00	0.00	164.130	1025.00	0.00N	0.00E	==>	0.00	1445047.05	3207443.19
1692.24	13.34	164.130	1686.22	74.40S	21.16E	2.00	-11.05	1444972.83	3207464.97
6977.94	13.34	164.130	6829.20	1247.89S	354.82E	==>	-185.26	1443802.24	3207808.49
7914.20	90.11	269.560	7422.00	1388.06S	217.05W	10.00	400.19	1443657.26	3207237.84
18622.35	90.11	269.560	7402.00	1469.80S	10924.86W	==>	11023.29	1443485.38	3196531.43

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	164.130	1099.99	0.94S	0.27E	2.00	-0.14	
1200.00	3.50	164.130	1199.89	5.14S	1.46E	2.00	-0.76	
1300.00	5.50	164.130	1299.58	12.69S	3.61E	2.00	-1.88	
1400.00	7.50	164.130	1398.93	23.57S	6.70E	2.00	-3.50	
1500.00	9.50	164.130	1497.83	37.79S	10.75E	2.00	-5.61	
1600.00	11.50	164.130	1596.15	55.32S	15.73E	2.00	-8.21	
1700.00	13.34	164.130	1693.77	76.13S	21.65E	==>	-11.30	
1800.00	13.34	164.130	1791.07	98.33S	27.96E	==>	-14.60	
1900.00	13.34	164.130	1888.37	120.53S	34.27E	==>	-17.89	
2000.00	13.34	164.130	1985.67	142.73S	40.58E	==>	-21.19	
2100.00	13.34	164.130	2082.97	164.93S	46.90E	==>	-24.49	
2200.00	13.34	164.130	2180.27	187.13S	53.21E	==>	-27.78	
2300.00	13.34	164.130	2277.57	209.33S	59.52E	==>	-31.08	
2400.00	13.34	164.130	2374.87	231.53S	65.83E	==>	-34.37	
2500.00	13.34	164.130	2472.17	253.74S	72.15E	==>	-37.67	
2600.00	13.34	164.130	2569.47	275.94S	78.46E	==>	-40.97	
2700.00	13.34	164.130	2666.77	298.14S	84.77E	==>	-44.26	
2800.00	13.34	164.130	2764.07	320.34S	91.08E	==>	-47.56	
2900.00	13.34	164.130	2861.37	342.54S	97.40E	==>	-50.85	
3000.00	13.34	164.130	2958.67	364.74S	103.71E	==>	-54.15	
3100.00	13.34	164.130	3055.97	386.94S	110.02E	==>	-57.45	

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Coordinates are from Slot MD's are from Rig (Planned Datum #1 4922.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 262.340 degrees
Bottom hole distance is 11023.29 Feet on azimuth 262.34 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 H-26-28HC (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	13.34	164.130	3153.27	409.14S	116.33E	==>	-60.74	
3300.00	13.34	164.130	3250.57	431.34S	122.65E	==>	-64.04	
3400.00	13.34	164.130	3347.87	453.54S	128.96E	==>	-67.33	
3500.00	13.34	164.130	3445.17	475.75S	135.27E	==>	-70.63	
3600.00	13.34	164.130	3542.47	497.95S	141.58E	==>	-73.93	
3700.00	13.34	164.130	3639.77	520.15S	147.90E	==>	-77.22	
3800.00	13.34	164.130	3737.07	542.35S	154.21E	==>	-80.52	
3900.00	13.34	164.130	3834.37	564.55S	160.52E	==>	-83.81	
4000.00	13.34	164.130	3931.67	586.75S	166.83E	==>	-87.11	
4100.00	13.34	164.130	4028.97	608.95S	173.15E	==>	-90.41	
4200.00	13.34	164.130	4126.27	631.15S	179.46E	==>	-93.70	
4300.00	13.34	164.130	4223.57	653.35S	185.77E	==>	-97.00	
4400.00	13.34	164.130	4320.87	675.56S	192.09E	==>	-100.29	
4500.00	13.34	164.130	4418.17	697.76S	198.40E	==>	-103.59	
4600.00	13.34	164.130	4515.47	719.96S	204.71E	==>	-106.89	
4700.00	13.34	164.130	4612.77	742.16S	211.02E	==>	-110.18	
4800.00	13.34	164.130	4710.07	764.36S	217.34E	==>	-113.48	
4900.00	13.34	164.130	4807.37	786.56S	223.65E	==>	-116.77	
5000.00	13.34	164.130	4904.67	808.76S	229.96E	==>	-120.07	
5100.00	13.34	164.130	5001.97	830.96S	236.27E	==>	-123.37	
5200.00	13.34	164.130	5099.27	853.16S	242.59E	==>	-126.66	
5300.00	13.34	164.130	5196.57	875.36S	248.90E	==>	-129.96	
5400.00	13.34	164.130	5293.87	897.57S	255.21E	==>	-133.25	
5500.00	13.34	164.130	5391.17	919.77S	261.52E	==>	-136.55	
5600.00	13.34	164.130	5488.47	941.97S	267.84E	==>	-139.85	
5700.00	13.34	164.130	5585.77	964.17S	274.15E	==>	-143.14	
5800.00	13.34	164.130	5683.07	986.37S	280.46E	==>	-146.44	
5900.00	13.34	164.130	5780.37	1008.57S	286.77E	==>	-149.73	
6000.00	13.34	164.130	5877.67	1030.77S	293.09E	==>	-153.03	
6100.00	13.34	164.130	5974.97	1052.97S	299.40E	==>	-156.33	
6200.00	13.34	164.130	6072.27	1075.17S	305.71E	==>	-159.62	
6300.00	13.34	164.130	6169.57	1097.38S	312.02E	==>	-162.92	
6400.00	13.34	164.130	6266.87	1119.58S	318.34E	==>	-166.21	
6500.00	13.34	164.130	6364.17	1141.78S	324.65E	==>	-169.51	
6600.00	13.34	164.130	6461.47	1163.98S	330.96E	==>	-172.81	
6700.00	13.34	164.130	6558.77	1186.18S	337.27E	==>	-176.10	
6800.00	13.34	164.130	6656.07	1208.38S	343.59E	==>	-179.40	
6900.00	13.34	164.130	6753.37	1230.58S	349.90E	==>	-182.69	
7000.00	12.95	173.680	6850.69	1252.79S	355.79E	10.00	-185.57	
7100.00	15.50	213.970	6947.85	1275.06S	349.54E	10.00	-176.41	
7200.00	22.57	236.150	7042.44	1296.88S	326.08E	10.00	-150.25	
7300.00	31.22	247.370	7131.60	1317.59S	286.12E	10.00	-107.88	
7400.00	40.46	253.980	7212.60	1336.57S	230.87E	10.00	-50.60	
7500.00	49.94	258.450	7283.00	1353.22S	162.02E	10.00	19.86	
7600.00	59.56	261.820	7340.66	1367.05S	81.65E	10.00	101.36	
7700.00	69.25	264.570	7383.81	1377.64S	7.80W	10.00	191.42	
7800.00	78.98	266.990	7411.15	1384.67S	103.60W	10.00	287.30	
7900.00	88.72	269.250	7421.85	1387.92S	202.84W	10.00	386.09	
8000.00	90.11	269.560	7421.84	1388.72S	302.84W	==>	485.30	
8100.00	90.11	269.560	7421.65	1389.48S	402.84W	==>	584.51	
8200.00	90.11	269.560	7421.47	1390.25S	502.83W	==>	683.71	
8300.00	90.11	269.560	7421.28	1391.01S	602.83W	==>	782.92	
8400.00	90.11	269.560	7421.09	1391.77S	702.83W	==>	882.12	
8500.00	90.11	269.560	7420.91	1392.54S	802.82W	==>	981.33	
8600.00	90.11	269.560	7420.72	1393.30S	902.82W	==>	1080.54	
8700.00	90.11	269.560	7420.53	1394.06S	1002.82W	==>	1179.74	
8800.00	90.11	269.560	7420.35	1394.83S	1102.81W	==>	1278.95	
8900.00	90.11	269.560	7420.16	1395.59S	1202.81W	==>	1378.15	
9000.00	90.11	269.560	7419.97	1396.35S	1302.81W	==>	1477.36	

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Vertical Section is from 0.00N 0.00E on azimuth 262.340 degrees
Bottom hole distance is 11023.29 Feet on azimuth 262.34 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 H-26-28HC (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	7419.79	1397.12S	1402.81W	==>	1576.57	
9200.00	90.11	269.560	7419.60	1397.88S	1502.80W	==>	1675.77	
9300.00	90.11	269.560	7419.41	1398.64S	1602.80W	==>	1774.98	
9400.00	90.11	269.560	7419.22	1399.41S	1702.80W	==>	1874.18	
9500.00	90.11	269.560	7419.04	1400.17S	1802.79W	==>	1973.39	
9600.00	90.11	269.560	7418.85	1400.93S	1902.79W	==>	2072.59	
9700.00	90.11	269.560	7418.66	1401.70S	2002.79W	==>	2171.80	
9800.00	90.11	269.560	7418.48	1402.46S	2102.78W	==>	2271.01	
9900.00	90.11	269.560	7418.29	1403.22S	2202.78W	==>	2370.21	
10000.00	90.11	269.560	7418.10	1403.99S	2302.78W	==>	2469.42	
10100.00	90.11	269.560	7417.92	1404.75S	2402.77W	==>	2568.62	
10200.00	90.11	269.560	7417.73	1405.51S	2502.77W	==>	2667.83	
10300.00	90.11	269.560	7417.54	1406.28S	2602.77W	==>	2767.04	
10400.00	90.11	269.560	7417.36	1407.04S	2702.77W	==>	2866.24	
10500.00	90.11	269.560	7417.17	1407.80S	2802.76W	==>	2965.45	
10600.00	90.11	269.560	7416.98	1408.57S	2902.76W	==>	3064.65	
10700.00	90.11	269.560	7416.80	1409.33S	3002.76W	==>	3163.86	
10800.00	90.11	269.560	7416.61	1410.09S	3102.75W	==>	3263.06	
10900.00	90.11	269.560	7416.42	1410.86S	3202.75W	==>	3362.27	
11000.00	90.11	269.560	7416.24	1411.62S	3302.75W	==>	3461.48	
11100.00	90.11	269.560	7416.05	1412.38S	3402.74W	==>	3560.68	
11200.00	90.11	269.560	7415.86	1413.15S	3502.74W	==>	3659.89	
11300.00	90.11	269.560	7415.68	1413.91S	3602.74W	==>	3759.09	
11400.00	90.11	269.560	7415.49	1414.67S	3702.73W	==>	3858.30	
11500.00	90.11	269.560	7415.30	1415.44S	3802.73W	==>	3957.50	
11600.00	90.11	269.560	7415.12	1416.20S	3902.73W	==>	4056.71	
11700.00	90.11	269.560	7414.93	1416.96S	4002.73W	==>	4155.92	
11800.00	90.11	269.560	7414.74	1417.73S	4102.72W	==>	4255.12	
11900.00	90.11	269.560	7414.56	1418.49S	4202.72W	==>	4354.33	
12000.00	90.11	269.560	7414.37	1419.25S	4302.72W	==>	4453.53	
12100.00	90.11	269.560	7414.18	1420.02S	4402.71W	==>	4552.74	
12200.00	90.11	269.560	7414.00	1420.78S	4502.71W	==>	4651.95	
12300.00	90.11	269.560	7413.81	1421.54S	4602.71W	==>	4751.15	
12400.00	90.11	269.560	7413.62	1422.31S	4702.70W	==>	4850.36	
12500.00	90.11	269.560	7413.43	1423.07S	4802.70W	==>	4949.56	
12600.00	90.11	269.560	7413.25	1423.83S	4902.70W	==>	5048.77	
12700.00	90.11	269.560	7413.06	1424.60S	5002.69W	==>	5147.97	
12800.00	90.11	269.560	7412.87	1425.36S	5102.69W	==>	5247.18	
12900.00	90.11	269.560	7412.69	1426.12S	5202.69W	==>	5346.39	
13000.00	90.11	269.560	7412.50	1426.89S	5302.69W	==>	5445.59	
13100.00	90.11	269.560	7412.31	1427.65S	5402.68W	==>	5544.80	
13200.00	90.11	269.560	7412.13	1428.41S	5502.68W	==>	5644.00	
13300.00	90.11	269.560	7411.94	1429.18S	5602.68W	==>	5743.21	
13400.00	90.11	269.560	7411.75	1429.94S	5702.67W	==>	5842.42	
13500.00	90.11	269.560	7411.57	1430.70S	5802.67W	==>	5941.62	
13600.00	90.11	269.560	7411.38	1431.47S	5902.67W	==>	6040.83	
13700.00	90.11	269.560	7411.19	1432.23S	6002.66W	==>	6140.03	
13800.00	90.11	269.560	7411.01	1432.99S	6102.66W	==>	6239.24	
13900.00	90.11	269.560	7410.82	1433.76S	6202.66W	==>	6338.44	
14000.00	90.11	269.560	7410.63	1434.52S	6302.65W	==>	6437.65	
14100.00	90.11	269.560	7410.45	1435.28S	6402.65W	==>	6536.86	
14200.00	90.11	269.560	7410.26	1436.05S	6502.65W	==>	6636.06	
14300.00	90.11	269.560	7410.07	1436.81S	6602.64W	==>	6735.27	
14400.00	90.11	269.560	7409.89	1437.57S	6702.64W	==>	6834.47	
14500.00	90.11	269.560	7409.70	1438.34S	6802.64W	==>	6933.68	
14600.00	90.11	269.560	7409.51	1439.10S	6902.64W	==>	7032.88	
14700.00	90.11	269.560	7409.33	1439.86S	7002.63W	==>	7132.09	
14800.00	90.11	269.560	7409.14	1440.63S	7102.63W	==>	7231.30	
14900.00	90.11	269.560	7408.95	1441.39S	7202.63W	==>	7330.50	

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Vertical Section is from 0.00N 0.00E on azimuth 262.340 degrees
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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	7408.77	1442.15S	7302.62W	==>	7429.71	
15100.00	90.11	269.560	7408.58	1442.91S	7402.62W	==>	7528.91	
15200.00	90.11	269.560	7408.39	1443.68S	7502.62W	==>	7628.12	
15300.00	90.11	269.560	7408.21	1444.44S	7602.61W	==>	7727.33	
15400.00	90.11	269.560	7408.02	1445.20S	7702.61W	==>	7826.53	
15500.00	90.11	269.560	7407.83	1445.97S	7802.61W	==>	7925.74	
15600.00	90.11	269.560	7407.64	1446.73S	7902.60W	==>	8024.94	
15700.00	90.11	269.560	7407.46	1447.49S	8002.60W	==>	8124.15	
15800.00	90.11	269.560	7407.27	1448.26S	8102.60W	==>	8223.35	
15900.00	90.11	269.560	7407.08	1449.02S	8202.60W	==>	8322.56	
16000.00	90.11	269.560	7406.90	1449.78S	8302.59W	==>	8421.77	
16100.00	90.11	269.560	7406.71	1450.55S	8402.59W	==>	8520.97	
16200.00	90.11	269.560	7406.52	1451.31S	8502.59W	==>	8620.18	
16300.00	90.11	269.560	7406.34	1452.07S	8602.58W	==>	8719.38	
16400.00	90.11	269.560	7406.15	1452.84S	8702.58W	==>	8818.59	
16500.00	90.11	269.560	7405.96	1453.60S	8802.58W	==>	8917.80	
16600.00	90.11	269.560	7405.78	1454.36S	8902.57W	==>	9017.00	
16700.00	90.11	269.560	7405.59	1455.13S	9002.57W	==>	9116.21	
16800.00	90.11	269.560	7405.40	1455.89S	9102.57W	==>	9215.41	
16900.00	90.11	269.560	7405.22	1456.65S	9202.56W	==>	9314.62	
17000.00	90.11	269.560	7405.03	1457.42S	9302.56W	==>	9413.82	
17100.00	90.11	269.560	7404.84	1458.18S	9402.56W	==>	9513.03	
17200.00	90.11	269.560	7404.66	1458.94S	9502.56W	==>	9612.24	
17300.00	90.11	269.560	7404.47	1459.71S	9602.55W	==>	9711.44	
17400.00	90.11	269.560	7404.28	1460.47S	9702.55W	==>	9810.65	
17500.00	90.11	269.560	7404.10	1461.23S	9802.55W	==>	9909.85	
17600.00	90.11	269.560	7403.91	1462.00S	9902.54W	==>	10009.06	
17700.00	90.11	269.560	7403.72	1462.76S	10002.54W	==>	10108.26	
17800.00	90.11	269.560	7403.54	1463.52S	10102.54W	==>	10207.47	
17900.00	90.11	269.560	7403.35	1464.29S	10202.53W	==>	10306.68	
18000.00	90.11	269.560	7403.16	1465.05S	10302.53W	==>	10405.88	
18100.00	90.11	269.560	7402.98	1465.81S	10402.53W	==>	10505.09	
18200.00	90.11	269.560	7402.79	1466.58S	10502.52W	==>	10604.29	
18300.00	90.11	269.560	7402.60	1467.34S	10602.52W	==>	10703.50	
18400.00	90.11	269.560	7402.42	1468.10S	10702.52W	==>	10802.71	
18500.00	90.11	269.560	7402.23	1468.87S	10802.52W	==>	10901.91	
18600.00	90.11	269.560	7402.04	1469.63S	10902.51W	==>	11001.12	
18622.35	90.11	269.560	7402.00	1469.80S	10924.86W	==>	11023.29	

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 262.340 degrees
Bottom hole distance is 11023.29 Feet on azimuth 262.34 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 H-26-28HC (PWB)



Targets							
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting
Leffler H-26-28HC - BH	1469.80S	10924.86W	7402.00	40.54861600	-104.79279000	1443485.38	3196531.43
Leffler H-26-28HC - EP	1388.06S	217.05W	7422.00	40.54884700	-104.75426000	1443657.26	3207237.84

Survey Tool Program					
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model
676376	Planned	1500.00	1497.83	WdW Rate Gyro	Standard
678038	Planned	18622.35	7402.00	ISCWSA MWD	Rev 4 + SAG + FLT

Notes



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: W Leffler H-26-28HC (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 H-26-28HC (PWB)	Jul-30-2018	Oct-11-2018

Well		
Name	Government ID	Last Revised
W Leffler H-26-28HC		Jul-30-2018

Slot						
Name	Latitude	Longitude	Grid Northing	Grid Easting	North	East
Leffler H-26-28HC	40.55265700	-104.75347900	1445047.0541	3207443.1899	49.55S	15.56E

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	1.18	17592.17	17592.17	-155.46	17600.00	0.01	17592.17
W Leffler 27C	316.98	9198.52	9198.52	240.03	9198.52	4.12	9194.95
W Leffler 32-27	556.80	10141.87	10141.87	445.43	10179.20	4.91	10228.41
W Leffler 42-27	617.57	8491.52	8491.52	562.86	8522.38	10.35	8735.63
W Leffler 41-27	714.28	1681.82	8473.16	711.14	1763.85	18.98	8817.65
W Leffler 1-27	982.62	9861.20	9861.20	881.81	9883.92	9.64	9982.35
W Leffler 31-27	1101.07	10140.59	10140.59	990.60	10162.80	9.84	10277.62

