

HRM Resources

Location	DJ Basin	Slot	Slot 8
Field	WATTENBERG	Well	Lehl 30-8
Installation	Lehl Pad - Rev 2 - 2016-07-15	Wellbore	Lehl 30-8 (PWB)

Scale 1 cm = 400 ft

<- West (Feet) : East (Feet) ->

-800 0 800

WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	0.00	0.00	0.00	0.00	S 0.00	W 0.00		0.00
KOP	1500.00	0.00	13.15	1500.00	S 0.00	W 0.00	0.00	0.00
End of Build	1709.51	4.19	13.15	1709.33	N 7.46	E 1.74	2.00	-7.42
End of Hold	6524.51	4.19	13.15	6511.45	N 350.06	E 81.79	0.00	-348.52
Target LEHL 3... Rev 2	7465.23	90.00	179.51	7125.00	S 221.35	E 97.22	10.00	223.07
T.D. & Target LEH...v 2	17155.29	90.00	179.51	7125.00	S 9911.07	E 179.27	0.00	9912.69

Surface 0.00 N 0.00 E

LEHL 30-8 EP - Rev 2

1600

800

0

-800

-1600

-2400

-3200

-4000

-4800

-5600

-6400

-7200

-8000

-8800

-9600

-10400

-11200

<- North(Feet)

Scale 1 cm = 400 ft

Tie on - 0.00 Inc, 0.00 MD, 0.00 TVD, 0.00 VS

3DS Kick off Point - 0.00 Inc, 1500.00 MD, 1500.00 TVD, 0.00 VS

End of Build - 4.19 Inc, 1709.51 MD, 1709.33 TVD, -7.42 VS

Created by	admin
Date plotted	15-Jul-2016
Plot reference is Lehl 30-8 (PWB).	
Ref wellpath is Lehl 30-8 (PWP#1).	
Coordinates are in Feet reference Slot 8.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Planned Datum #1	
Rig Datum to Mean Sea Level: 4974.00 ft.	
Plot North is aligned to GRID North.	

LEHL 30-8 BH - Rev 2

Lehl 30-8 (PWB)

End of Hold - 4.19 Inc, 6524.51 MD, 6511.45 TVD, -348.52 VS

Target - 90.00 Inc, 7465.23 MD, 7125.00 TVD, 223.07 VS

T.D. & Target - 7125.00 TVD, 9911.07 S 179.27 E

Lehl 30-8 (PWB)

Scale 1 cm = 400 ft

<- True Vertical Depth (Feet)

-800

0

800

1600

2400

3200

4000

4800

5600

6400

7200

8000

-1600 -800 0 800 1600 2400 3200 4000 4800 5600 6400 7200 8000 8800 9600 10400 11200

Scale 1 cm = 400 ft

Vertical Section (Feet) ->

Azimuth 178.96 with reference 0.00 N, 0.00 E from Slot 8



SYSDRILL
Well Design Combined Report
Wellbore: Lehl 30-8 (PWB)



Wellhead Details

Name	Latitude	Longitude	Northing	Easting	North	East	Slot Elevation Above Ground
Slot 8	40.02900000	-104.69821000	1254425.8652	3224525.7698	51.44N	5763.05E	0.00

Declination

Date	Source	Time
Jun-9-2016	EMM-2015 [2000.0-2020.0]	15:46

Installation Details

Name	Installation Position (Latitude)	Installation Position (Longitude)	Northing	Easting	Coord System Name	North Alignment
Lehl Pad - Rev 2 - 2016-07-15	40.02900000	-104.71878983	1254374.4255	3218762.9369	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Summary Wellpath

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1254425.87	3224525.77
1500.00	0.00	13.150	1500.00	0.00N	0.00E	==>	0.00	1254425.87	3224525.77
1709.51	4.19	13.150	1709.33	7.46N	1.74E	2.00	-7.42	1254433.32	3224527.51
6524.51	4.19	13.150	6511.45	350.06N	81.79E	==>	-348.52	1254775.91	3224607.55
7465.23	90.00	179.510	7125.00	221.35S	97.22E	10.00	223.07	1254204.53	3224622.99
17155.29	90.00	179.510	7125.00	9911.07S	179.27E	==>	9912.69	1244515.17	3224705.03

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	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	0.00	0.000	1100.00	0.00N	0.00E	==>	0.00	
1200.00	0.00	0.000	1200.00	0.00N	0.00E	==>	0.00	
1300.00	0.00	0.000	1300.00	0.00N	0.00E	==>	0.00	
1400.00	0.00	0.000	1400.00	0.00N	0.00E	==>	0.00	
1500.00	0.00	13.150	1500.00	0.00N	0.00E	==>	0.00	
1600.00	2.00	13.150	1599.98	1.70N	0.40E	2.00	-1.69	
1700.00	4.00	13.150	1699.84	6.80N	1.59E	2.00	-6.77	
1800.00	4.19	13.150	1799.57	13.90N	3.25E	==>	-13.83	
1900.00	4.19	13.150	1899.30	21.01N	4.91E	==>	-20.92	
2000.00	4.19	13.150	1999.04	28.13N	6.57E	==>	-28.00	
2100.00	4.19	13.150	2098.77	35.24N	8.23E	==>	-35.09	
2200.00	4.19	13.150	2198.50	42.36N	9.90E	==>	-42.17	
2300.00	4.19	13.150	2298.23	49.47N	11.56E	==>	-49.25	
2400.00	4.19	13.150	2397.97	56.59N	13.22E	==>	-56.34	
2500.00	4.19	13.150	2497.70	63.70N	14.88E	==>	-63.42	
2600.00	4.19	13.150	2597.43	70.82N	16.55E	==>	-70.51	
2700.00	4.19	13.150	2697.17	77.93N	18.21E	==>	-77.59	
2800.00	4.19	13.150	2796.90	85.05N	19.87E	==>	-84.67	
2900.00	4.19	13.150	2896.63	92.16N	21.53E	==>	-91.76	
3000.00	4.19	13.150	2996.36	99.28N	23.19E	==>	-98.84	
3100.00	4.19	13.150	3096.10	106.39N	24.86E	==>	-105.93	
3200.00	4.19	13.150	3195.83	113.51N	26.52E	==>	-113.01	

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4974.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 178.960 degrees
Bottom hole distance is 9912.69 Feet on azimuth 178.96 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by IPT
Date Printed: 15-Jul-2016

Interpolated Wellpath								
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	All Station Comments
3300.00	4.19	13.150	3295.56	120.62N	28.18E	==>	-120.09	
3400.00	4.19	13.150	3395.29	127.74N	29.84E	==>	-127.18	
3500.00	4.19	13.150	3495.03	134.85N	31.51E	==>	-134.26	
3600.00	4.19	13.150	3594.76	141.97N	33.17E	==>	-141.35	
3700.00	4.19	13.150	3694.49	149.08N	34.83E	==>	-148.43	
3800.00	4.19	13.150	3794.23	156.20N	36.49E	==>	-155.51	
3900.00	4.19	13.150	3893.96	163.32N	38.16E	==>	-162.60	
4000.00	4.19	13.150	3993.69	170.43N	39.82E	==>	-169.68	
4100.00	4.19	13.150	4093.42	177.55N	41.48E	==>	-176.77	
4200.00	4.19	13.150	4193.16	184.66N	43.14E	==>	-183.85	
4300.00	4.19	13.150	4292.89	191.78N	44.81E	==>	-190.93	
4400.00	4.19	13.150	4392.62	198.89N	46.47E	==>	-198.02	
4500.00	4.19	13.150	4492.35	206.01N	48.13E	==>	-205.10	
4600.00	4.19	13.150	4592.09	213.12N	49.79E	==>	-212.19	
4700.00	4.19	13.150	4691.82	220.24N	51.46E	==>	-219.27	
4800.00	4.19	13.150	4791.55	227.35N	53.12E	==>	-226.35	
4900.00	4.19	13.150	4891.28	234.47N	54.78E	==>	-233.44	
5000.00	4.19	13.150	4991.02	241.58N	56.44E	==>	-240.52	
5100.00	4.19	13.150	5090.75	248.70N	58.10E	==>	-247.61	
5200.00	4.19	13.150	5190.48	255.81N	59.77E	==>	-254.69	
5300.00	4.19	13.150	5290.22	262.93N	61.43E	==>	-261.77	
5400.00	4.19	13.150	5389.95	270.04N	63.09E	==>	-268.86	
5500.00	4.19	13.150	5489.68	277.16N	64.75E	==>	-275.94	
5600.00	4.19	13.150	5589.41	284.27N	66.42E	==>	-283.03	
5700.00	4.19	13.150	5689.15	291.39N	68.08E	==>	-290.11	
5800.00	4.19	13.150	5788.88	298.50N	69.74E	==>	-297.19	
5900.00	4.19	13.150	5888.61	305.62N	71.40E	==>	-304.28	
6000.00	4.19	13.150	5988.34	312.74N	73.07E	==>	-311.36	
6100.00	4.19	13.150	6088.08	319.85N	74.73E	==>	-318.45	
6200.00	4.19	13.150	6187.81	326.97N	76.39E	==>	-325.53	
6300.00	4.19	13.150	6287.54	334.08N	78.05E	==>	-332.61	
6400.00	4.19	13.150	6387.28	341.20N	79.72E	==>	-339.70	
6500.00	4.19	13.150	6487.01	348.31N	81.38E	==>	-346.78	
6600.00	3.62	163.650	6586.88	350.46N	83.08E	10.00	-348.90	
6700.00	13.51	175.390	6685.64	335.75N	84.92E	10.00	-334.16	
6800.00	23.50	177.240	6780.35	304.11N	86.82E	10.00	-302.49	
6900.00	33.49	178.020	6868.13	256.51N	88.74E	10.00	-254.86	
7000.00	43.49	178.470	6946.30	194.38N	90.61E	10.00	-192.71	
7100.00	53.48	178.780	7012.50	119.62N	92.39E	10.00	-117.92	
7200.00	63.48	179.020	7064.71	34.49N	94.01E	10.00	-32.78	
7300.00	73.48	179.220	7101.34	58.41S	95.43E	10.00	60.13	
7400.00	83.48	179.400	7121.29	156.26S	96.61E	10.00	157.99	
7500.00	90.00	179.510	7125.00	256.12S	97.52E	==>	257.84	
7600.00	90.00	179.510	7125.00	356.12S	98.36E	==>	357.84	
7700.00	90.00	179.510	7125.00	456.11S	99.21E	==>	457.83	
7800.00	90.00	179.510	7125.00	556.11S	100.06E	==>	557.83	
7900.00	90.00	179.510	7125.00	656.10S	100.90E	==>	657.82	
8000.00	90.00	179.510	7125.00	756.10S	101.75E	==>	757.82	
8100.00	90.00	179.510	7125.00	856.10S	102.60E	==>	857.81	
8200.00	90.00	179.510	7125.00	956.09S	103.44E	==>	957.81	
8300.00	90.00	179.510	7125.00	1056.09S	104.29E	==>	1057.80	
8400.00	90.00	179.510	7125.00	1156.09S	105.14E	==>	1157.80	
8500.00	90.00	179.510	7125.00	1256.08S	105.98E	==>	1257.79	
8600.00	90.00	179.510	7125.00	1356.08S	106.83E	==>	1357.79	
8700.00	90.00	179.510	7125.00	1456.08S	107.68E	==>	1457.79	
8800.00	90.00	179.510	7125.00	1556.07S	108.52E	==>	1557.78	
8900.00	90.00	179.510	7125.00	1656.07S	109.37E	==>	1657.78	
9000.00	90.00	179.510	7125.00	1756.07S	110.22E	==>	1757.77	
9100.00	90.00	179.510	7125.00	1856.06S	111.06E	==>	1857.77	

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4974.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 178.960 degrees
Bottom hole distance is 9912.69 Feet on azimuth 178.96 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by IPT
Date Printed: 15-Jul-2016

Interpolated Wellpath								
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	All Station Comments
9200.00	90.00	179.510	7125.00	1956.06S	111.91E	==>	1957.76	
9300.00	90.00	179.510	7125.00	2056.05S	112.76E	==>	2057.76	
9400.00	90.00	179.510	7125.00	2156.05S	113.60E	==>	2157.75	
9500.00	90.00	179.510	7125.00	2256.05S	114.45E	==>	2257.75	
9600.00	90.00	179.510	7125.00	2356.04S	115.30E	==>	2357.74	
9700.00	90.00	179.510	7125.00	2456.04S	116.14E	==>	2457.74	
9800.00	90.00	179.510	7125.00	2556.04S	116.99E	==>	2557.73	
9900.00	90.00	179.510	7125.00	2656.03S	117.84E	==>	2657.73	
10000.00	90.00	179.510	7125.00	2756.03S	118.68E	==>	2757.73	
10100.00	90.00	179.510	7125.00	2856.03S	119.53E	==>	2857.72	
10200.00	90.00	179.510	7125.00	2956.02S	120.38E	==>	2957.72	
10300.00	90.00	179.510	7125.00	3056.02S	121.22E	==>	3057.71	
10400.00	90.00	179.510	7125.00	3156.02S	122.07E	==>	3157.71	
10500.00	90.00	179.510	7125.00	3256.01S	122.92E	==>	3257.70	
10600.00	90.00	179.510	7125.00	3356.01S	123.76E	==>	3357.70	
10700.00	90.00	179.510	7125.00	3456.00S	124.61E	==>	3457.69	
10800.00	90.00	179.510	7125.00	3556.00S	125.46E	==>	3557.69	
10900.00	90.00	179.510	7125.00	3656.00S	126.31E	==>	3657.68	
11000.00	90.00	179.510	7125.00	3755.99S	127.15E	==>	3757.68	
11100.00	90.00	179.510	7125.00	3855.99S	128.00E	==>	3857.67	
11200.00	90.00	179.510	7125.00	3955.99S	128.85E	==>	3957.67	
11300.00	90.00	179.510	7125.00	4055.98S	129.69E	==>	4057.67	
11400.00	90.00	179.510	7125.00	4155.98S	130.54E	==>	4157.66	
11500.00	90.00	179.510	7125.00	4255.98S	131.39E	==>	4257.66	
11600.00	90.00	179.510	7125.00	4355.97S	132.23E	==>	4357.65	
11700.00	90.00	179.510	7125.00	4455.97S	133.08E	==>	4457.65	
11800.00	90.00	179.510	7125.00	4555.96S	133.93E	==>	4557.64	
11900.00	90.00	179.510	7125.00	4655.96S	134.77E	==>	4657.64	
12000.00	90.00	179.510	7125.00	4755.96S	135.62E	==>	4757.63	
12100.00	90.00	179.510	7125.00	4855.95S	136.47E	==>	4857.63	
12200.00	90.00	179.510	7125.00	4955.95S	137.31E	==>	4957.62	
12300.00	90.00	179.510	7125.00	5055.95S	138.16E	==>	5057.62	
12400.00	90.00	179.510	7125.00	5155.94S	139.01E	==>	5157.61	
12500.00	90.00	179.510	7125.00	5255.94S	139.85E	==>	5257.61	
12600.00	90.00	179.510	7125.00	5355.94S	140.70E	==>	5357.60	
12700.00	90.00	179.510	7125.00	5455.93S	141.55E	==>	5457.60	
12800.00	90.00	179.510	7125.00	5555.93S	142.39E	==>	5557.60	
12900.00	90.00	179.510	7125.00	5655.93S	143.24E	==>	5657.59	
13000.00	90.00	179.510	7125.00	5755.92S	144.09E	==>	5757.59	
13100.00	90.00	179.510	7125.00	5855.92S	144.93E	==>	5857.58	
13200.00	90.00	179.510	7125.00	5955.91S	145.78E	==>	5957.58	
13300.00	90.00	179.510	7125.00	6055.91S	146.63E	==>	6057.57	
13400.00	90.00	179.510	7125.00	6155.91S	147.47E	==>	6157.57	
13500.00	90.00	179.510	7125.00	6255.90S	148.32E	==>	6257.56	
13600.00	90.00	179.510	7125.00	6355.90S	149.17E	==>	6357.56	
13700.00	90.00	179.510	7125.00	6455.90S	150.01E	==>	6457.55	
13800.00	90.00	179.510	7125.00	6555.89S	150.86E	==>	6557.55	
13900.00	90.00	179.510	7125.00	6655.89S	151.71E	==>	6657.54	
14000.00	90.00	179.510	7125.00	6755.89S	152.55E	==>	6757.54	
14100.00	90.00	179.510	7125.00	6855.88S	153.40E	==>	6857.54	
14200.00	90.00	179.510	7125.00	6955.88S	154.25E	==>	6957.53	
14300.00	90.00	179.510	7125.00	7055.88S	155.09E	==>	7057.53	
14400.00	90.00	179.510	7125.00	7155.87S	155.94E	==>	7157.52	
14500.00	90.00	179.510	7125.00	7255.87S	156.79E	==>	7257.52	
14600.00	90.00	179.510	7125.00	7355.86S	157.63E	==>	7357.51	
14700.00	90.00	179.510	7125.00	7455.86S	158.48E	==>	7457.51	
14800.00	90.00	179.510	7125.00	7555.86S	159.33E	==>	7557.50	
14900.00	90.00	179.510	7125.00	7655.85S	160.17E	==>	7657.50	
15000.00	90.00	179.510	7125.00	7755.85S	161.02E	==>	7757.49	

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Bottom hole distance is 9912.69 Feet on azimuth 178.96 degrees from Wellhead
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Date Printed: 15-Jul-2016



SYSDRILL
Well Design Combined Report
Wellbore: Lehl 30-8 (PWB)



Interpolated Wellpath								
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	All Station Comments
15100.00	90.00	179.510	7125.00	7855.85S	161.87E	==>	7857.49	
15200.00	90.00	179.510	7125.00	7955.84S	162.71E	==>	7957.48	
15300.00	90.00	179.510	7125.00	8055.84S	163.56E	==>	8057.48	
15400.00	90.00	179.510	7125.00	8155.84S	164.41E	==>	8157.48	
15500.00	90.00	179.510	7125.00	8255.83S	165.26E	==>	8257.47	
15600.00	90.00	179.510	7125.00	8355.83S	166.10E	==>	8357.47	
15700.00	90.00	179.510	7125.00	8455.83S	166.95E	==>	8457.46	
15800.00	90.00	179.510	7125.00	8555.82S	167.80E	==>	8557.46	
15900.00	90.00	179.510	7125.00	8655.82S	168.64E	==>	8657.45	
16000.00	90.00	179.510	7125.00	8755.81S	169.49E	==>	8757.45	
16100.00	90.00	179.510	7125.00	8855.81S	170.34E	==>	8857.44	
16200.00	90.00	179.510	7125.00	8955.81S	171.18E	==>	8957.44	
16300.00	90.00	179.510	7125.00	9055.80S	172.03E	==>	9057.43	
16400.00	90.00	179.510	7125.00	9155.80S	172.88E	==>	9157.43	
16500.00	90.00	179.510	7125.00	9255.80S	173.72E	==>	9257.42	
16600.00	90.00	179.510	7125.00	9355.79S	174.57E	==>	9357.42	
16700.00	90.00	179.510	7125.00	9455.79S	175.42E	==>	9457.42	
16800.00	90.00	179.510	7125.00	9555.79S	176.26E	==>	9557.41	
16900.00	90.00	179.510	7125.00	9655.78S	177.11E	==>	9657.41	
17000.00	90.00	179.510	7125.00	9755.78S	177.96E	==>	9757.40	
17100.00	90.00	179.510	7125.00	9855.77S	178.80E	==>	9857.40	
17155.29	90.00	179.510	7125.00	9911.07S	179.27E	==>	9912.69	

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 4974.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 178.960 degrees
Bottom hole distance is 9912.69 Feet on azimuth 178.96 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by IPT
Date Printed: 15-Jul-2016



SYSDRILL
Well Design Combined Report
Wellbore: Lehl 30-8 (PWB)



Targets							
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting
LEHL 30-8 BH - Rev 2	9911.07S	179.27E	7125.00	40.00179000	-104.69789000	1244515.17	3224705.03
LEHL 30-8 EP - Rev 2	221.35S	97.22E	7125.00	40.02839000	-104.69787000	1254204.53	3224622.99

Notes



SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: Lehl 30-8 (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
Lehl 30-8 (PWB)	Jun-13-2016	Jul-15-2016

Well		
Name	Government ID	Last Revised
Lehl 30-8		Jun-13-2016

Slot						
Name	Latitude	Longitude	Grid Northing	Grid Easting	North	East
Slot 8	40.02900000	-104.69821000	1254425.8652	3224525.7698	51.44N	5763.05E

Installation						
Name	Installation Position (Latitude)	Installation Position (Longitude)	Easting	Northing	Coord System Name	North Alignment
Lehl Pad - Rev 2 - 2016-07-15	40.02900000	-104.71878983	3218762.9369	1254374.4255	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Clearance Summary							
Offset WellName	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
Lehl 30-1	14.00	1500.00	1500.00	14.00	0.00		
Lehl 30-2	30.80	1500.00	1500.00	30.80	0.00		
Lehl 30-3	47.61	1500.00	1500.00	47.61	0.00		
Lehl 30-4	61.72	1500.00	1500.00	61.72	0.00		
Lehl 30-5	78.50	1500.00	1500.00	78.50	0.00		
Lehl 30-6	95.28	1500.00	1500.00	95.28	0.00		
Lehl 30-7	112.08	1500.00	1500.00	112.08	0.00		
W Adam Ten 1-A	426.78	16970.11	16970.11	9732.69	0.00		
W Highland 01N-65W-29-1N	588.50	17144.58	17144.58	3833.10	0.00		
W Sawyer/Powell 32-4	980.68	15548.56	15548.56	8374.91	0.00		
W Sack-Dreyer 1	1040.90	14329.00	14329.00	7148.74	0.00		
KILKER #1	1104.10	11311.81	11311.81	4240.54	0.00	3211.80	0.00
W Dreyer 32-1	1122.76	14280.75	14280.75	7142.32	0.00		
W Sack-Hiett 1	1152.22	16597.24	16597.24	9437.00	0.00		
ELLS #XX 19-4D	1193.66	6561.68	6561.68	1427.08	0.00		
CHARLES M BROWN GAS UNIT #1	1565.40	6578.08	6578.08	1854.50	0.00		
W Adam Ten Ltd 1	1644.82	17155.29	17155.29	11360.30	0.00		
W Lutz 1	1704.34	13029.20	13029.20	6005.68	0.00		

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Wellbore: Lehl 30-8 (PWB)



Clearance Summary							
Offset WellName	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
W Dreyer 1	1726.53	15655.36	15655.36	8568.99	0.00		
MARGUERITE B LEHL #A-1	1814.83	8894.95	8894.95	2383.06	0.00	1785.93	0.00
M B LEHL A #1	1854.82	9000.25	9000.25	2485.54	0.00	2234.45	0.00
W Lochbuie 2H-31H D165	2407.05	12885.79	12885.79	6656.62	0.00		
W Lochbuie 2G-31H D165	2765.54	12900.00	12893.70	6666.07	0.00		
W Lochbuie 2F-31H D165	2992.51	14328.27	14328.27	6670.94	0.00		
W Lutz 1A	3125.04	14308.17	14308.17	7687.31	0.00		
W Lochbuie 21-31	3180.34	12800.00	12795.28	6352.70	0.00		
GILMORE #1-30	3286.60	8177.64	8177.64	3324.12	0.00	2834.40	0.00
W Lochbuie 2E-31H D165	3465.19	12844.49	12844.49	6677.44	0.00		
W Eppinger 1	3555.71	16617.45	16617.45	9990.73	0.00		
DECHANT #1-19	3608.23	6524.51	6505.15	3624.62	0.00	2721.00	0.00
LEHL #1	4111.74	10669.72	10669.72	5277.91	0.00	3263.12	0.00



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