

HRM Resources

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

Scale 1 cm = 400 ft

East (Feet) ->

-1600 -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	305.54	1500.00	S 0.00	W 0.00	0.00	-0.00
End of Build	1842.04	6.84	305.54	1841.23	N 11.86	W 16.60	2.00	-11.10
End of Hold	6549.09	6.84	305.54	6514.77	N 337.76	W 472.81	0.00	-316.20
Target LEHL 3... Rev 2	7489.26	90.00	179.52	7125.00	S 234.27	W 527.19	10.00	257.69
T.D. & Target LEH...v 2	17172.04	90.00	179.52	7125.00	S 9916.71	W 445.47	0.00	9926.71

Surface 0.00 N 0.00 E

LEHL 30-2 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

Scale 1 cm = 400 ft

<- True Vertical Depth (Feet)

8000

7200

6400

5600

4800

4000

3200

2400

1600

800

0

-800

-1600

Scale 1 cm = 400 ft

Vertical Section (Feet) ->

Azimuth 182.57 with reference 0.00 N, 0.00 E from Slot 2

Created by admin

Date plotted 15-Jul-2016

Plot reference is Lehl 30-2 (PWB).

Ref wellpath is Lehl 2 (PWP#1).

Coordinates are in Feet reference Slot 2.

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 30-2 BH - Rev 2

Lehl 30-2 (PWB)

T.D. & Target - 7125.00 TVD, 9916.71 S 445.47 W

Lehl 30-2 (PWB)

End of Hold - 6.84 Inc, 6549.09 MD, 6514.77 TVD, -316.20 VS

Target - 90.00 Inc, 7489.26 MD, 7125.00 TVD, 257.69 VS

End of Build - 6.84 Inc, 1842.04 MD, 1841.23 TVD, -11.10 VS

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

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



SYSDRILL
Well Design Combined Report
Wellbore: Lehl 30-2 (PWB)



Wellhead Details

Name	Latitude	Longitude	Northing	Easting	North	East	Slot Elevation Above Ground
Slot 2	40.02900000	-104.69832000	1254425.5867	3224494.9673	51.16N	5732.25E	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	1254425.59	3224494.97
1500.00	0.00	305.540	1500.00	0.00N	0.00E	==>	0.00	1254425.59	3224494.97
1842.04	6.84	305.540	1841.23	11.86N	16.60W	2.00	-11.10	1254437.44	3224478.37
6549.09	6.84	305.540	6514.77	337.76N	472.81W	==>	-316.20	1254763.33	3224022.17
7489.26	90.00	179.520	7125.00	234.27S	527.19W	10.00	257.69	1254191.32	3223967.79
17172.04	90.00	179.520	7125.00	9916.71S	445.47W	==>	9926.71	1244509.25	3224049.52

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	305.540	1500.00	0.00N	0.00E	==>	0.00	
1600.00	2.00	305.540	1599.98	1.01N	1.42W	2.00	-0.95	
1700.00	4.00	305.540	1699.84	4.06N	5.68W	2.00	-3.80	
1800.00	6.00	305.540	1799.45	9.12N	12.77W	2.00	-8.54	
1900.00	6.84	305.540	1898.78	15.87N	22.21W	==>	-14.86	
2000.00	6.84	305.540	1998.06	22.79N	31.91W	==>	-21.34	
2100.00	6.84	305.540	2097.35	29.72N	41.60W	==>	-27.82	
2200.00	6.84	305.540	2196.64	36.64N	51.29W	==>	-34.30	
2300.00	6.84	305.540	2295.93	43.56N	60.98W	==>	-40.78	
2400.00	6.84	305.540	2395.22	50.49N	70.67W	==>	-47.26	
2500.00	6.84	305.540	2494.50	57.41N	80.37W	==>	-53.75	
2600.00	6.84	305.540	2593.79	64.33N	90.06W	==>	-60.23	
2700.00	6.84	305.540	2693.08	71.26N	99.75W	==>	-66.71	
2800.00	6.84	305.540	2792.37	78.18N	109.44W	==>	-73.19	
2900.00	6.84	305.540	2891.66	85.11N	119.13W	==>	-79.67	
3000.00	6.84	305.540	2990.94	92.03N	128.83W	==>	-86.15	
3100.00	6.84	305.540	3090.23	98.95N	138.52W	==>	-92.64	
3200.00	6.84	305.540	3189.52	105.88N	148.21W	==>	-99.12	

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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 182.570 degrees
Bottom hole distance is 9926.71 Feet on azimuth 182.57 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	6.84	305.540	3288.81	112.80N	157.90W	==>	-105.60	
3400.00	6.84	305.540	3388.10	119.72N	167.60W	==>	-112.08	
3500.00	6.84	305.540	3487.38	126.65N	177.29W	==>	-118.56	
3600.00	6.84	305.540	3586.67	133.57N	186.98W	==>	-125.05	
3700.00	6.84	305.540	3685.96	140.49N	196.67W	==>	-131.53	
3800.00	6.84	305.540	3785.25	147.42N	206.36W	==>	-138.01	
3900.00	6.84	305.540	3884.54	154.34N	216.06W	==>	-144.49	
4000.00	6.84	305.540	3983.83	161.27N	225.75W	==>	-150.97	
4100.00	6.84	305.540	4083.11	168.19N	235.44W	==>	-157.45	
4200.00	6.84	305.540	4182.40	175.11N	245.13W	==>	-163.94	
4300.00	6.84	305.540	4281.69	182.04N	254.83W	==>	-170.42	
4400.00	6.84	305.540	4380.98	188.96N	264.52W	==>	-176.90	
4500.00	6.84	305.540	4480.27	195.88N	274.21W	==>	-183.38	
4600.00	6.84	305.540	4579.55	202.81N	283.90W	==>	-189.86	
4700.00	6.84	305.540	4678.84	209.73N	293.59W	==>	-196.35	
4800.00	6.84	305.540	4778.13	216.66N	303.29W	==>	-202.83	
4900.00	6.84	305.540	4877.42	223.58N	312.98W	==>	-209.31	
5000.00	6.84	305.540	4976.71	230.50N	322.67W	==>	-215.79	
5100.00	6.84	305.540	5075.99	237.43N	332.36W	==>	-222.27	
5200.00	6.84	305.540	5175.28	244.35N	342.06W	==>	-228.75	
5300.00	6.84	305.540	5274.57	251.27N	351.75W	==>	-235.24	
5400.00	6.84	305.540	5373.86	258.20N	361.44W	==>	-241.72	
5500.00	6.84	305.540	5473.15	265.12N	371.13W	==>	-248.20	
5600.00	6.84	305.540	5572.43	272.05N	380.82W	==>	-254.68	
5700.00	6.84	305.540	5671.72	278.97N	390.52W	==>	-261.16	
5800.00	6.84	305.540	5771.01	285.89N	400.21W	==>	-267.65	
5900.00	6.84	305.540	5870.30	292.82N	409.90W	==>	-274.13	
6000.00	6.84	305.540	5969.59	299.74N	419.59W	==>	-280.61	
6100.00	6.84	305.540	6068.87	306.66N	429.29W	==>	-287.09	
6200.00	6.84	305.540	6168.16	313.59N	438.98W	==>	-293.57	
6300.00	6.84	305.540	6267.45	320.51N	448.67W	==>	-300.05	
6400.00	6.84	305.540	6366.74	327.43N	458.36W	==>	-306.54	
6500.00	6.84	305.540	6466.03	334.36N	468.05W	==>	-313.02	
6600.00	5.64	258.530	6565.41	339.02N	477.74W	10.00	-317.24	
6700.00	12.37	205.780	6664.25	328.38N	487.24W	10.00	-306.18	
6800.00	21.76	193.590	6759.77	300.65N	496.27W	10.00	-278.07	
6900.00	31.52	188.620	6849.06	256.68N	504.56W	10.00	-233.78	
7000.00	41.38	185.840	6929.41	197.81N	511.86W	10.00	-174.64	
7100.00	51.29	183.980	6998.37	125.82N	517.95W	10.00	-102.45	
7200.00	61.22	182.570	7053.85	42.91N	522.63W	10.00	-19.41	
7300.00	71.17	181.410	7094.17	48.41S	525.77W	10.00	71.96	
7400.00	81.12	180.390	7118.09	145.37S	527.27W	10.00	168.88	
7500.00	90.00	179.520	7125.00	245.01S	527.10W	==>	268.42	
7600.00	90.00	179.520	7125.00	345.00S	526.26W	==>	368.27	
7700.00	90.00	179.520	7125.00	445.00S	525.41W	==>	468.13	
7800.00	90.00	179.520	7125.00	545.00S	524.57W	==>	567.99	
7900.00	90.00	179.520	7125.00	644.99S	523.73W	==>	667.85	
8000.00	90.00	179.520	7125.00	744.99S	522.88W	==>	767.70	
8100.00	90.00	179.520	7125.00	844.99S	522.04W	==>	867.56	
8200.00	90.00	179.520	7125.00	944.98S	521.19W	==>	967.42	
8300.00	90.00	179.520	7125.00	1044.98S	520.35W	==>	1067.28	
8400.00	90.00	179.520	7125.00	1144.98S	519.51W	==>	1167.14	
8500.00	90.00	179.520	7125.00	1244.97S	518.66W	==>	1266.99	
8600.00	90.00	179.520	7125.00	1344.97S	517.82W	==>	1366.85	
8700.00	90.00	179.520	7125.00	1444.97S	516.97W	==>	1466.71	
8800.00	90.00	179.520	7125.00	1544.96S	516.13W	==>	1566.57	
8900.00	90.00	179.520	7125.00	1644.96S	515.29W	==>	1666.43	
9000.00	90.00	179.520	7125.00	1744.96S	514.44W	==>	1766.28	
9100.00	90.00	179.520	7125.00	1844.95S	513.60W	==>	1866.14	

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Vertical Section is from 0.00N 0.00E on azimuth 182.570 degrees
Bottom hole distance is 9926.71 Feet on azimuth 182.57 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by IPT
Date Printed: 15-Jul-2016



SYSDRILL
Well Design Combined Report
Wellbore: Lehl 30-2 (PWB)



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	179.520	7125.00	1944.95S	512.75W	==>	1966.00	
9300.00	90.00	179.520	7125.00	2044.94S	511.91W	==>	2065.86	
9400.00	90.00	179.520	7125.00	2144.94S	511.07W	==>	2165.71	
9500.00	90.00	179.520	7125.00	2244.94S	510.22W	==>	2265.57	
9600.00	90.00	179.520	7125.00	2344.93S	509.38W	==>	2365.43	
9700.00	90.00	179.520	7125.00	2444.93S	508.53W	==>	2465.29	
9800.00	90.00	179.520	7125.00	2544.93S	507.69W	==>	2565.15	
9900.00	90.00	179.520	7125.00	2644.92S	506.85W	==>	2665.00	
10000.00	90.00	179.520	7125.00	2744.92S	506.00W	==>	2764.86	
10100.00	90.00	179.520	7125.00	2844.92S	505.16W	==>	2864.72	
10200.00	90.00	179.520	7125.00	2944.91S	504.31W	==>	2964.58	
10300.00	90.00	179.520	7125.00	3044.91S	503.47W	==>	3064.43	
10400.00	90.00	179.520	7125.00	3144.91S	502.63W	==>	3164.29	
10500.00	90.00	179.520	7125.00	3244.90S	501.78W	==>	3264.15	
10600.00	90.00	179.520	7125.00	3344.90S	500.94W	==>	3364.01	
10700.00	90.00	179.520	7125.00	3444.89S	500.09W	==>	3463.87	
10800.00	90.00	179.520	7125.00	3544.89S	499.25W	==>	3563.72	
10900.00	90.00	179.520	7125.00	3644.89S	498.40W	==>	3663.58	
11000.00	90.00	179.520	7125.00	3744.88S	497.56W	==>	3763.44	
11100.00	90.00	179.520	7125.00	3844.88S	496.72W	==>	3863.30	
11200.00	90.00	179.520	7125.00	3944.88S	495.87W	==>	3963.16	
11300.00	90.00	179.520	7125.00	4044.87S	495.03W	==>	4063.01	
11400.00	90.00	179.520	7125.00	4144.87S	494.18W	==>	4162.87	
11500.00	90.00	179.520	7125.00	4244.87S	493.34W	==>	4262.73	
11600.00	90.00	179.520	7125.00	4344.86S	492.50W	==>	4362.59	
11700.00	90.00	179.520	7125.00	4444.86S	491.65W	==>	4462.44	
11800.00	90.00	179.520	7125.00	4544.86S	490.81W	==>	4562.30	
11900.00	90.00	179.520	7125.00	4644.85S	489.96W	==>	4662.16	
12000.00	90.00	179.520	7125.00	4744.85S	489.12W	==>	4762.02	
12100.00	90.00	179.520	7125.00	4844.84S	488.28W	==>	4861.88	
12200.00	90.00	179.520	7125.00	4944.84S	487.43W	==>	4961.73	
12300.00	90.00	179.520	7125.00	5044.84S	486.59W	==>	5061.59	
12400.00	90.00	179.520	7125.00	5144.83S	485.74W	==>	5161.45	
12500.00	90.00	179.520	7125.00	5244.83S	484.90W	==>	5261.31	
12600.00	90.00	179.520	7125.00	5344.83S	484.06W	==>	5361.16	
12700.00	90.00	179.520	7125.00	5444.82S	483.21W	==>	5461.02	
12800.00	90.00	179.520	7125.00	5544.82S	482.37W	==>	5560.88	
12900.00	90.00	179.520	7125.00	5644.82S	481.52W	==>	5660.74	
13000.00	90.00	179.520	7125.00	5744.81S	480.68W	==>	5760.60	
13100.00	90.00	179.520	7125.00	5844.81S	479.84W	==>	5860.45	
13200.00	90.00	179.520	7125.00	5944.81S	478.99W	==>	5960.31	
13300.00	90.00	179.520	7125.00	6044.80S	478.15W	==>	6060.17	
13400.00	90.00	179.520	7125.00	6144.80S	477.30W	==>	6160.03	
13500.00	90.00	179.520	7125.00	6244.79S	476.46W	==>	6259.88	
13600.00	90.00	179.520	7125.00	6344.79S	475.62W	==>	6359.74	
13700.00	90.00	179.520	7125.00	6444.79S	474.77W	==>	6459.60	
13800.00	90.00	179.520	7125.00	6544.78S	473.93W	==>	6559.46	
13900.00	90.00	179.520	7125.00	6644.78S	473.08W	==>	6659.32	
14000.00	90.00	179.520	7125.00	6744.78S	472.24W	==>	6759.17	
14100.00	90.00	179.520	7125.00	6844.77S	471.40W	==>	6859.03	
14200.00	90.00	179.520	7125.00	6944.77S	470.55W	==>	6958.89	
14300.00	90.00	179.520	7125.00	7044.77S	469.71W	==>	7058.75	
14400.00	90.00	179.520	7125.00	7144.76S	468.86W	==>	7158.61	
14500.00	90.00	179.520	7125.00	7244.76S	468.02W	==>	7258.46	
14600.00	90.00	179.520	7125.00	7344.76S	467.17W	==>	7358.32	
14700.00	90.00	179.520	7125.00	7444.75S	466.33W	==>	7458.18	
14800.00	90.00	179.520	7125.00	7544.75S	465.49W	==>	7558.04	
14900.00	90.00	179.520	7125.00	7644.74S	464.64W	==>	7657.89	
15000.00	90.00	179.520	7125.00	7744.74S	463.80W	==>	7757.75	

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Bottom hole distance is 9926.71 Feet on azimuth 182.57 degrees from Wellhead
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SYSDRILL
Well Design Combined Report
Wellbore: Lehl 30-2 (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	179.520	7125.00	7844.74S	462.95W	==>	7857.61	
15200.00	90.00	179.520	7125.00	7944.73S	462.11W	==>	7957.47	
15300.00	90.00	179.520	7125.00	8044.73S	461.27W	==>	8057.33	
15400.00	90.00	179.520	7125.00	8144.73S	460.42W	==>	8157.18	
15500.00	90.00	179.520	7125.00	8244.72S	459.58W	==>	8257.04	
15600.00	90.00	179.520	7125.00	8344.72S	458.73W	==>	8356.90	
15700.00	90.00	179.520	7125.00	8444.72S	457.89W	==>	8456.76	
15800.00	90.00	179.520	7125.00	8544.71S	457.05W	==>	8556.61	
15900.00	90.00	179.520	7125.00	8644.71S	456.20W	==>	8656.47	
16000.00	90.00	179.520	7125.00	8744.71S	455.36W	==>	8756.33	
16100.00	90.00	179.520	7125.00	8844.70S	454.51W	==>	8856.19	
16200.00	90.00	179.520	7125.00	8944.70S	453.67W	==>	8956.05	
16300.00	90.00	179.520	7125.00	9044.70S	452.83W	==>	9055.90	
16400.00	90.00	179.520	7125.00	9144.69S	451.98W	==>	9155.76	
16500.00	90.00	179.520	7125.00	9244.69S	451.14W	==>	9255.62	
16600.00	90.00	179.520	7125.00	9344.68S	450.29W	==>	9355.48	
16700.00	90.00	179.520	7125.00	9444.68S	449.45W	==>	9455.34	
16800.00	90.00	179.520	7125.00	9544.68S	448.61W	==>	9555.19	
16900.00	90.00	179.520	7125.00	9644.67S	447.76W	==>	9655.05	
17000.00	90.00	179.520	7125.00	9744.67S	446.92W	==>	9754.91	
17100.00	90.00	179.520	7125.00	9844.67S	446.07W	==>	9854.77	
17172.04	90.00	179.520	7125.00	9916.71S	445.47W	==>	9926.71	

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 182.570 degrees
Bottom hole distance is 9926.71 Feet on azimuth 182.57 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by IPT
Date Printed: 15-Jul-2016



Targets							
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting
LEHL 30-2 BH - Rev 2	9916.71S	445.47W	7125.00	40.00179000	-104.70023000	1244509.25	3224049.52
LEHL 30-2 EP - Rev 2	234.27S	527.19W	7125.00	40.02837000	-104.70021000	1254191.32	3223967.79

Survey Tool Program						
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model	
505893	Planned	17172.04	7125.00	ISCWSA MWD	Rev 4 + SAG	

Notes



SYS DRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: Lehl 30-2 (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 30-2 (PWB)	Jun-13-2016	Jul-15-2016

Well		
Name	Government ID	Last Revised
Lehl 30-2		Jun-13-2016

Slot						
Name	Latitude	Longitude	Grid Northing	Grid Easting	North	East
Slot 2	40.02900000	-104.69832000	1254425.5867	3224494.9673	51.16N	5732.25E

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	16.79	1509.19	1509.19	1.32	1591.21	1.04	17172.04
Lehl 30-3	16.80	1500.02	1600.49	-169.05	17172.04	0.66	17172.04
Lehl 30-8	30.80	1500.00	1500.00				
Lehl 30-4	31.02	1500.04	1600.82	15.24	1673.23	1.52	17172.04
Lehl 30-5	47.75	1500.06	1500.06	32.00	1640.42	1.97	17172.04
Lehl 30-6	64.51	1500.08	1500.08	48.77	1640.42	2.63	17172.04
Lehl 30-7	81.29	1500.10	1500.10	65.55	1640.42	4.65	1902.89
W Adam Ten 1-A	228.78	16986.49	16986.49	-16.57	16986.49	0.93	16986.49
W Sack-Dreyer 1	385.41	14345.39	14345.39	204.15	14353.67	2.12	14370.08
ELLS #XX 19-4D	914.90	6600.00	6600.00	857.66	6610.89	15.92	6676.51
W Lutz 1	1048.88	13045.61	13045.61	898.77	13074.15	6.92	13172.57
W Dreyer 1	1071.00	15671.77	15671.77	857.28	15700.00	4.99	15764.44
MARGUERITE B LEHL #A-1	1159.48	8911.36	8911.36	1079.12	8940.29	13.86	9202.76
M B LEHL A #1	1199.47	9016.66	9016.66	1111.42	9038.71	13.13	9301.18
W Highland 01N-65W-29-1N	1240.45	17160.93	17160.93	991.24	17172.04	4.98	17172.04
W Adam Ten Ltd 1	1434.12	17172.04	17172.04	1387.83	17172.04	30.98	17172.04
W Sawyer/Powell 32-4	1636.20	15567.59	15567.59	1425.34	15600.39	7.73	15682.41
KILKER #1	1759.51	11328.15	11328.15	1626.58	11351.71	13.04	11564.96

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Prepared by IPT
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SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: Lehl 30-2 (PWB)



Clearance Summary							
Offset WellName	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
W Lochbuie 2H-31H D165	1760.63	12836.25	12836.25	1550.62	17172.04	7.32	17172.04
W Dreyer 32-1	1778.25	14300.00	14300.00	1598.15	14320.87	9.80	14468.50
W Sack-Hiett 1	1807.77	16613.57	16613.57	1571.25	16650.26	7.61	16748.69
CHARLES M BROWN GAS UNIT #1	1877.14	1509.19	1500.00	1858.31	1624.02	35.96	6700.00
W Lochbuie 2G-31H D165	2110.73	12911.52	12911.52	1896.78	17172.04	8.60	17172.04
W Lochbuie 2F-31H D165	2342.65	14344.72	14344.72	2160.77	14550.52	10.14	17172.04
W Lutz 1A	2469.55	14324.62	14324.62	2288.16	14386.48	13.21	14796.59
W Lochbuie 21-31	2524.89	12812.85	12812.85	2379.95	12877.30	16.58	13418.64
GILMORE #1-30	2631.27	8194.09	8194.09	2563.10	8234.91	32.57	9547.24
W Lochbuie 2E-31H D165	2810.07	12848.78	12848.78	2596.29	17172.04	11.40	17172.04
W Eppinger 1	2900.15	16633.86	16633.86	2662.46	16700.00	11.92	17109.58
DECHANT #1-19	3031.99	6758.53	6758.53	2974.87	6774.93	52.17	7234.25
LEHL #1	3456.34	10686.20	10686.20	3337.43	10777.56	25.64	12024.28





