

EOG Resources - Midland  
#0102H - OH

Irion County, TX (NAD 27 TC)  
University Lucy  
Your Ref:

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Comments
0	0	0	0	0	0	0	0	
100	0.81	158.71	100	-0.66	0.26	-0.65	0.81	NSG-CT_WL (1)
200	1	136.6	199.98	-1.95	1.11	-1.93	0.39	
300	1.09	166.44	299.97	-3.51	1.94	-3.47	0.55	
400	1.2	162.12	399.95	-5.43	2.48	-5.38	0.14	
500	1.17	157.73	499.93	-7.37	3.19	-7.31	0.1	
600	0.77	141.98	599.91	-8.85	3.99	-8.77	0.48	
700	0.24	24.76	699.91	-9.19	4.49	-9.1	0.91	
800	0.49	274.18	799.91	-8.96	4.15	-8.89	0.62	
959	2.1	283.1	958.86	-8.25	0.64	-8.24	1.02	MWD (2)
1054	1.9	279.4	1053.81	-7.6	-2.61	-7.65	0.25	
1149	1.8	267.1	1148.76	-7.42	-5.66	-7.53	0.43	
1244	1.6	275.2	1243.71	-7.38	-8.47	-7.53	0.33	
1339	1.9	278.6	1338.67	-7.02	-11.35	-7.23	0.33	
1433	2.1	275.6	1432.61	-6.62	-14.6	-6.89	0.24	
1528	1.2	267.1	1527.57	-6.5	-17.33	-6.82	0.98	
1623	1.2	264.1	1622.55	-6.65	-19.31	-7.01	0.07	
1718	1.1	248.7	1717.53	-7.09	-21.15	-7.48	0.34	
1813	1.1	252.7	1812.52	-7.69	-22.87	-8.11	0.08	
1908	0.7	287.7	1907.5	-7.78	-24.29	-8.23	0.7	
2002	0.7	310.6	2001.5	-7.23	-25.27	-7.7	0.3	
2097	0.5	322.7	2096.49	-6.53	-25.97	-7.01	0.25	
2192	0.5	291.9	2191.49	-6.04	-26.6	-6.54	0.28	

2287	0.9	23.5	2286.48	-5.2	-26.69	-5.7	1.1
2381	0.5	36	2380.48	-4.2	-26.15	-4.68	0.45
2476	0.5	36.7	2475.47	-3.53	-25.66	-4.01	0.01
2571	0.7	30.4	2570.47	-2.7	-25.12	-3.16	0.22
2666	0.2	292.8	2665.46	-2.13	-24.98	-2.6	0.79
2760	0.9	288.9	2759.46	-1.83	-25.83	-2.31	0.75
2855	1.2	281.5	2854.44	-1.39	-27.51	-1.9	0.35
2950	0.4	145	2949.44	-1.46	-28.3	-1.99	1.6
3045	0.9	347.5	3044.43	-1	-28.27	-1.53	1.35
3140	1.9	339	3139.41	1.19	-28.99	0.65	1.07
3235	1.2	327.8	3234.37	3.51	-30.09	2.95	0.8
3330	0.7	98	3329.36	4.27	-30.04	3.71	1.83
3424	0.7	138.6	3423.36	3.76	-29.09	3.21	0.52
3519	1.1	124.4	3518.35	2.81	-27.96	2.29	0.48
3614	0.9	115.4	3613.33	1.97	-26.53	1.48	0.27
3709	1.1	107.9	3708.32	1.37	-24.99	0.91	0.25
3804	1.4	113	3803.29	0.64	-23.05	0.21	0.34
3899	1.4	110.7	3898.27	-0.23	-20.9	-0.62	0.06
3993	1.2	120.9	3992.24	-1.14	-18.98	-1.49	0.32
4088	1.2	116.3	4087.22	-2.09	-17.24	-2.41	0.1
4183	1.4	118.4	4182.2	-3.08	-15.32	-3.37	0.22
4278	1.2	129.8	4277.17	-4.27	-13.54	-4.52	0.34
4373	0.4	48.6	4372.16	-4.69	-12.53	-4.92	1.27
4562	0.4	103	4561.16	-4.4	-11.39	-4.61	0.19
4752	0.2	278.9	4751.16	-4.5	-11.07	-4.7	0.32
4847	1.6	264	4846.14	-4.61	-12.55	-4.84	1.48
4942	1.6	250.4	4941.11	-5.19	-15.12	-5.48	0.4
5037	1.2	244.1	5036.08	-6.07	-17.26	-6.39	0.45
5131	1.1	238.3	5130.06	-6.98	-18.92	-7.33	0.16
5226	1.2	221.4	5225.04	-8.2	-20.35	-8.58	0.37
5321	0.9	219.3	5320.03	-9.53	-21.48	-9.93	0.32
5416	0.9	204.4	5415.01	-10.78	-22.26	-11.2	0.25
5605	0.9	171.7	5603.99	-13.6	-22.66	-14.02	0.27
5699	0.9	260.5	5697.98	-14.46	-23.28	-14.89	1.34
5794	0.7	253.1	5792.97	-14.75	-24.57	-15.2	0.24
5889	0.5	226.7	5887.97	-15.2	-25.43	-15.67	0.35
5983	0.5	184.2	5981.97	-15.89	-25.76	-16.37	0.39
6078	0.4	175.2	6076.96	-16.64	-25.76	-17.11	0.13

6173	0.5	151.6	6171.96	-17.33	-25.54	-17.8	0.22
6268	0.5	161	6266.96	-18.09	-25.21	-18.55	0.09
6331	0.5	161.8	6329.95	-18.61	-25.03	-19.07	0.01
6362	0.5	139.5	6360.95	-18.84	-24.9	-19.3	0.62
6409	4	20.2	6407.92	-17.46	-24.2	-17.9	9.08
6456	11.1	14.4	6454.48	-11.53	-22.51	-11.95	15.17
6503	19	10	6499.83	0.41	-20.05	0.03	16.97
6551	25.9	8.9	6544.17	18.48	-17.07	18.16	14.4
6598	30.1	10	6585.66	40.24	-13.43	39.98	9
6646	33.1	9.6	6626.54	65.02	-9.15	64.84	6.27
6693	34.1	11.5	6665.68	90.59	-4.39	90.49	3.09
6741	38.2	12.3	6704.44	118.28	1.46	118.29	8.6
6788	46.5	11.4	6739.14	149.25	7.94	149.37	17.71
6836	52.4	9.4	6770.33	185.11	14.49	185.35	12.69
6883	54	8.7	6798.49	222.27	20.41	222.61	3.61
6930	55.6	6.8	6825.58	260.32	25.58	260.76	4.74
6978	57.5	9.1	6852.04	299.98	31.13	300.51	5.63
7025	65.6	10.5	6874.41	340.66	38.17	341.32	17.43
7073	74.6	9.8	6890.73	385.05	46.11	385.84	18.8
7120	78.1	5.4	6901.83	430.3	52.14	431.2	11.76
7167	78.7	4.2	6911.28	476.18	55.99	477.14	2.81
7215	78.8	4.5	6920.64	523.12	59.56	524.14	0.65
7262	82.2	4.2	6928.4	569.33	63.07	570.41	7.26
7309	85.3	2.4	6933.52	615.97	65.76	617.09	7.62
7341.2	88.067	2.501	6935.38	648.08	67.13	649.22	8.6 HL Crossing, MD:7341.2', TVD:6935.4', N/S:648.1', E/W:67.1', INC:88.
7373	90.8	2.6	6935.69	679.85	68.55	681.01	8.6
7467	89.7	2.8	6935.28	773.74	72.98	774.97	1.19
7562	89.6	2.2	6935.86	868.65	77.12	869.93	0.64
7656	89.6	2.1	6936.52	962.58	80.65	963.92	0.11
7751	89.7	1	6937.1	1057.54	83.22	1058.91	1.16
7846	89.6	0.1	6937.68	1152.53	84.13	1153.9	0.95
7941	88.9	358.9	6938.92	1247.52	83.3	1248.86	1.46
8035	89	359.9	6940.65	1341.5	82.32	1342.8	1.07
8130	89.2	359.4	6942.14	1436.48	81.74	1437.76	0.57
8225	89.2	358.7	6943.47	1531.46	80.16	1532.69	0.74
8320	88.9	357.5	6945.04	1626.39	77.01	1627.55	1.3
8414	89.7	358.4	6946.19	1720.33	73.65	1721.4	1.28
8509	91.5	359.4	6945.19	1815.3	71.83	1816.32	2.17

8604	91	0.5	6943.12	1910.27	71.74	1911.28	1.27
8695	90.8	0.8	6941.69	2001.26	72.77	2002.26	0.4
8784	88.5	0.1	6942.24	2090.25	73.47	2091.25	2.7
8875	89	1	6944.22	2181.22	74.35	2182.22	1.13
8965	89.9	2.8	6945.09	2271.16	77.33	2272.21	2.24
9056	89	1.9	6945.96	2362.08	81.06	2363.18	1.4
9147	88.7	2.4	6947.79	2452.99	84.48	2454.14	0.64
9238	88.5	1.4	6950.01	2543.92	87.49	2545.1	1.12
9328	89	1.4	6951.97	2633.87	89.69	2635.08	0.56
9423	89.9	2.2	6952.88	2728.81	92.67	2730.07	1.27
9518	89.7	1.4	6953.22	2823.77	95.66	2825.06	0.87
9612	88.2	359.6	6954.94	2917.74	96.48	2919.03	2.49
9707	88.5	0.3	6957.67	3012.7	96.4	3013.97	0.8
9801	89	0.5	6959.72	3106.68	97.05	3107.94	0.57
9896	87.6	359.6	6962.54	3201.63	97.13	3202.88	1.75
9991	87.3	359.1	6966.77	3296.53	96.06	3297.75	0.61
10085	87.8	0.1	6970.79	3390.44	95.4	3391.63	1.19
10180	87.6	0.3	6974.6	3485.36	95.73	3486.54	0.3
10275	88.2	1.4	6978.08	3580.29	97.14	3581.47	1.32
10370	87.4	0.6	6981.73	3675.2	98.8	3676.4	1.19
10464	89.7	1.4	6984.11	3769.15	100.44	3770.37	2.59
10559	89.6	358.7	6984.69	3864.14	100.52	3865.34	2.84
10654	89.2	358	6985.68	3959.09	97.79	3960.23	0.85
10748	90.6	0.5	6985.85	4053.07	96.56	4054.17	3.05
10843	90.4	0.1	6985.02	4148.07	97.05	4149.16	0.47
10938	90.4	0.8	6984.35	4243.06	97.8	4244.15	0.74
11033	88.3	358	6985.43	4338.04	96.81	4339.09	3.68
11127	88.5	358.9	6988.06	4431.97	94.26	4432.95	0.98
11222	89.7	2.2	6989.55	4526.93	95.18	4527.92	3.7
11317	90.4	4.3	6989.47	4621.78	100.56	4622.85	2.33
11411	89.6	1.2	6989.47	4715.66	105.07	4716.79	3.41
11506	89	358.9	6990.63	4810.64	105.15	4811.77	2.5
11601	89.9	1.5	6991.54	4905.63	105.49	4906.74	2.9
11695	90.3	2.6	6991.37	4999.57	108.85	5000.73	1.25
11790	90.4	2.6	6990.79	5094.47	113.16	5095.69	0.11
11885	89.4	1	6990.96	5189.41	116.14	5190.68	1.99
11980	89.6	1.7	6991.79	5284.38	118.38	5285.67	0.77
12075	89.2	2.2	6992.78	5379.32	121.61	5380.66	0.67

12169	89	2.1	6994.26	5473.25	125.14	5474.63	0.24
12264	90.3	2.2	6994.84	5568.17	128.7	5569.61	1.37
12359	90.1	2.8	6994.51	5663.08	132.85	5664.58	0.67
12453	91.5	3.8	6993.2	5756.91	138.26	5758.49	1.83
12548	90.8	2.9	6991.29	5851.73	143.81	5853.4	1.2
12643	90.6	2.4	6990.13	5946.62	148.2	5948.35	0.57
12738	88.7	1.7	6990.71	6041.56	151.6	6043.33	2.13
12832	88.7	0.8	6992.84	6135.51	153.65	6137.31	0.96
12927	87.3	359.8	6996.16	6230.45	154.14	6232.24	1.81
13022	89.6	359.9	6998.73	6325.4	153.9	6327.17	2.42
13117	90.6	1.2	6998.56	6420.4	154.81	6422.17	1.73
13212	90.4	0.6	6997.73	6515.38	156.3	6517.16	0.67
13306	89.7	0.1	6997.65	6609.38	156.87	6611.15	0.92
13401	89.7	0.8	6998.15	6704.37	157.62	6706.15	0.74
13496	90.8	2.2	6997.73	6799.34	160.11	6801.14	1.87
13591	90.8	1.2	6996.41	6894.28	162.92	6896.12	1.05
13686	90.4	0.6	6995.41	6989.27	164.42	6991.12	0.76
13781	90.3	0.3	6994.83	7084.26	165.16	7086.11	0.33
13876	90.1	358.7	6994.5	7179.25	164.33	7181.07	1.7
13970	90.6	358.7	6993.93	7273.23	162.2	7274.99	0.53
14065	91.5	0.6	6992.18	7368.2	161.62	7369.94	2.21
14160	91.7	1	6989.53	7463.16	162.95	7464.9	0.47
14255	91.7	359.6	6986.71	7558.11	163.44	7559.85	1.47
14350	91.8	359.6	6983.81	7653.07	162.78	7654.77	0.11
14444	91	359.4	6981.52	7747.03	161.96	7748.71	0.88
14539	90.8	359.6	6980.02	7842.02	161.13	7843.66	0.3
14634	88.9	357.1	6980.27	7936.97	158.4	7938.54	3.31
14729	89.4	357.8	6981.68	8031.86	154.17	8033.34	0.91
14823	91.5	0.1	6980.94	8125.83	152.45	8127.26	3.31
14918	91.3	359.4	6978.62	8220.8	152.03	8222.21	0.77
15013	91.8	0.3	6976.05	8315.76	151.79	8317.15	1.08
15088	92.2	0.1	6973.44	8390.72	152.05	8392.09	0.6 Last MWD Survey
15118.6	92.2	0.1	6972.26	8421.29	152.1	8422.67	0 HL Crossing, MD:15118.6', TVD:6972.3', N/S:8421.3', E/W:152.1', INC
15144	92.2	0.1	6971.29	8446.68	152.14	8448.04	0 Projection To Bit

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.

Vertical depths are relative to KB = 24. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of  $1.068^{\circ}$  (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), Texas Central 4203.

Central meridian is  $-100.333^{\circ}$ .

Grid Convergence at Surface is  $-0.451^{\circ}$ .

Based upon Minimum Curvature type calculations, at a Measured Depth of 15144.00ft., the Bottom Hole Displacement is 8448.05ft., in the Direction of  $1.068^{\circ}$  (Grid).







.07



92.20

