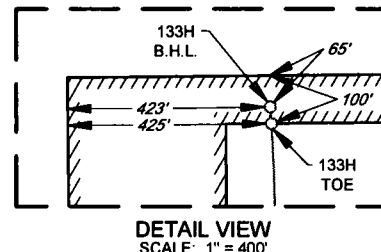
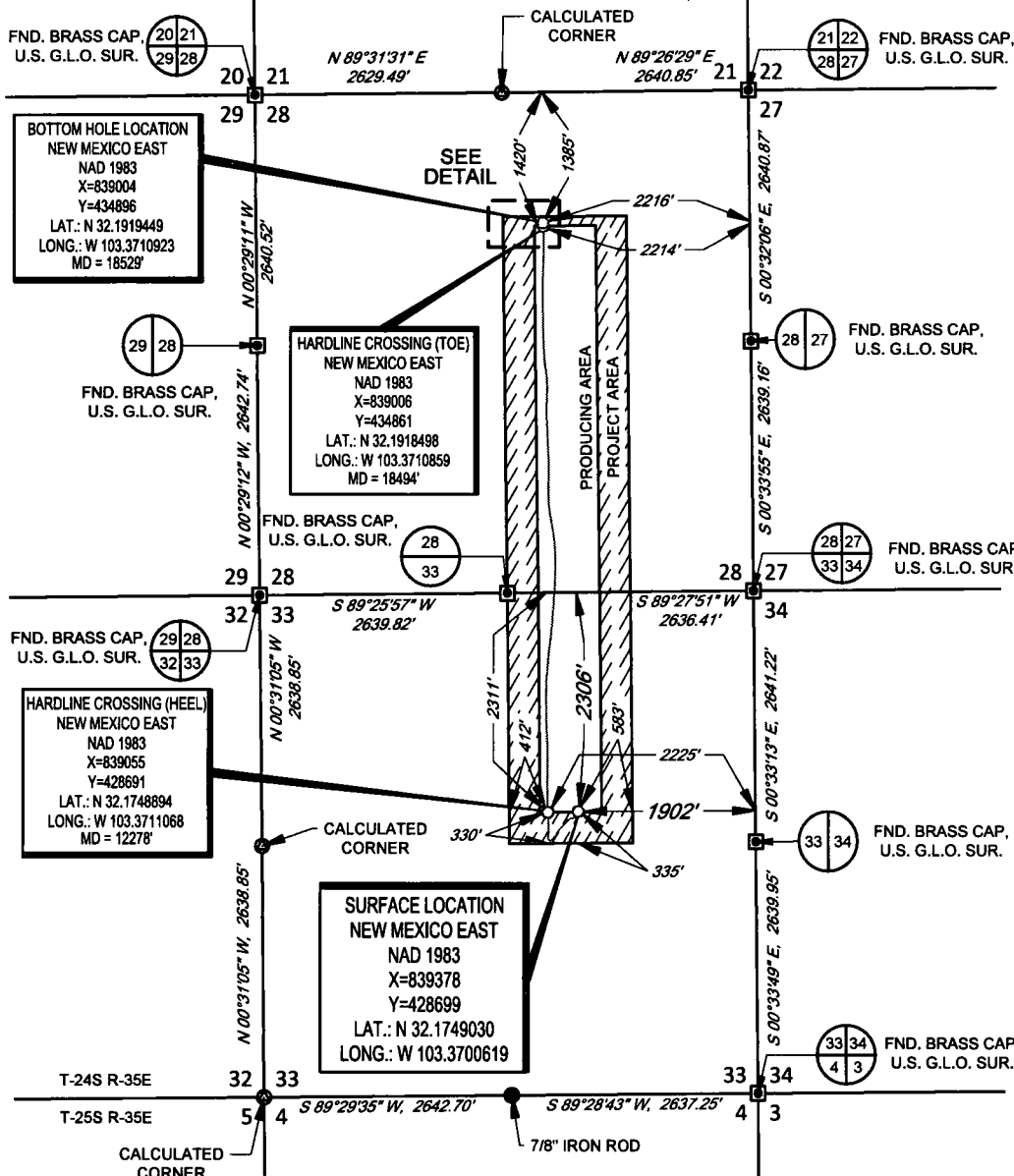


SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 33, TOWNSHIP 24-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



HOESS OGD
NOV 26 2018
RECEIVED

LEASE NAME & WELL NO.: COSMO K 24S35E3328 133H
SECTION 33 TWP 24-S RGE 35-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3289'
DESCRIPTION 2306' FNL & 1902' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

INTERNAL
PRE-COMPLETION
PLAT

Stan W. Lloyd, P.S. No. 19642
OCTOBER 3, 2018

COSMO K 24S35E3328 133H PRE-COMPLETION	REVISION:	NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
DATE: 10/03/18		
FILE: C:\COSMO_K_24S35E3328_133H		
DRAWN BY: GJU		
SHEET: 1 OF 1		

Client.....: Tap Rock Operating, LLC
 Location.....: Lea County, New Mexico (NAD 83)
 Site.....: Cosmo K 24S35E3328
 Well.....: 133H

----- Depth reference -----
 Permanent datum.....: Mean Sea Level
 Depth reference.....: Well
 GL above permanent.....: 3289.00 usft
 KB above permanent.....: 3315.50 usft

----- Surface Location -----
 Northing (+N/S-).....: 428699.00 usft
 Easting (+E/W-).....: 839378.00 usft

HOBBS OCD

NOV 26 2018

RECEIVED

MD	Inc	Azimuth	TVD	Subsea	N/S	E/W	VS	DLS
0	0	0	0	3315.5		0	0	0
33.97	0.01	88.18	33.97	3281.53	0	0	0	0.03
128.4	0.38	91.04	128.4	3187.1	-0.01	0.32	-0.01	0.39
222.83	0.69	79.47	222.83	3092.67	0.09	1.2	0.08	0.35
317.26	0.65	56.3	317.25	2998.25	0.49	2.2	0.47	0.29
411.69	0.51	43.07	411.67	2903.83	1.1	2.93	1.07	0.2
506.12	0.67	46.65	506.1	2809.4	1.78	3.62	1.75	0.17
600.55	0.51	35.33	600.52	2714.98	2.51	4.27	2.46	0.21
694.98	0.59	29.16	694.95	2620.55	3.27	4.75	3.23	0.11
789.41	1.69	40.14	789.36	2526.14	4.76	5.88	4.7	1.18
883.84	2.19	47.14	883.74	2431.76	7.05	8.1	6.97	0.58
978.27	2.45	48.19	978.09	2337.41	9.63	10.93	9.52	0.28
1072.7	2.65	42.46	1072.42	2243.08	12.58	13.91	12.45	0.34
1167.13	2.32	37.69	1166.77	2148.73	15.71	16.55	15.54	0.41
1261.56	1.57	29.2	1261.14	2054.36	18.35	18.35	18.17	0.85
1355.99	1.15	2.14	1355.54	1959.96	20.42	19.01	20.24	0.8
1450.42	1.9	10.59	1449.94	1865.56	22.91	19.34	22.72	0.83
1544.85	1.86	12.21	1544.32	1771.18	25.95	19.95	25.75	0.07
1639.28	2.04	22.56	1638.7	1676.8	29	20.92	28.79	0.42
1733.71	1.92	30.39	1733.07	1582.43	31.91	22.36	31.69	0.31
1828.14	1.86	48.32	1827.45	1488.05	34.3	24.31	34.06	0.63
1922.57	2	50.65	1921.83	1393.67	36.36	26.73	36.1	0.17
2017	2.29	55.55	2016.19	1299.31	38.47	29.56	38.18	0.36
2111.43	2.03	60.29	2110.55	1204.95	40.37	32.57	40.05	0.33
2205.86	1.98	66.82	2204.92	1110.58	41.84	35.52	41.49	0.25
2300.29	1.14	84.15	2299.32	1016.18	42.58	37.95	42.2	1.01

2394.72	1	85.88	2393.73	921.77	42.73	39.71	42.34	0.15
2489.15	0.98	92.2	2488.15	827.35	42.76	41.34	42.35	0.12
2583.58	1.15	101.43	2582.56	732.94	42.54	43.07	42.12	0.26
2678.01	1.35	148.03	2676.97	638.53	41.41	44.59	40.97	1.07
2772.44	1.44	155.67	2771.37	544.13	39.39	45.67	38.94	0.22
2866.87	1.59	158.13	2865.77	449.73	37.09	46.65	36.63	0.17
2961.3	1.49	153.02	2960.17	355.33	34.78	47.69	34.31	0.18
3055.73	1.54	177.23	3054.56	260.94	32.42	48.31	31.94	0.67
3150.16	2.74	211	3148.93	166.57	29.21	47.21	28.75	1.79
3244.59	3.4	228.7	3243.23	72.27	25.43	43.94	25	1.22
3339.02	4.2	227.14	3337.45	-21.95	21.23	39.3	20.85	0.85
3433.45	5.07	230.78	3431.57	-116.07	16.24	33.54	15.91	0.97
3527.88	5.08	232.74	3525.63	-210.13	11.07	26.98	10.81	0.18
3622.31	4.92	235.79	3619.7	-304.2	6.26	20.3	6.07	0.33
3716.74	4.5	228.52	3713.81	-398.31	1.53	14.17	1.39	0.77
3811.17	4.01	226.63	3807.98	-492.48	-3.19	9	-3.28	0.54
3905.6	3.81	210.39	3902.19	-586.69	-8.16	5.01	-8.21	1.19
4000.03	5.2	198.6	3996.33	-680.83	-14.92	2.06	-14.94	1.76
4094.46	5.97	200.92	4090.31	-774.81	-23.57	-1.06	-23.56	0.85
4188.89	7.24	215.4	4184.12	-868.62	-33	-6.26	-32.94	2.21
4283.32	7.52	217.69	4277.77	-962.27	-42.75	-13.48	-42.61	0.43
4377.75	7.9	230.58	4371.35	-1055.85	-51.76	-22.28	-51.54	1.87
4472.18	8.92	240.63	4464.77	-1149.27	-59.47	-33.67	-59.14	1.89
4566.61	9.26	250.68	4558.02	-1242.52	-65.57	-47.22	-65.11	1.72
4661.04	8.44	260.91	4651.33	-1335.83	-69.18	-61.23	-68.58	1.88
4755.47	7.91	263.08	4744.8	-1429.3	-71.06	-74.53	-70.33	0.65
4849.9	4.29	250.38	4838.68	-1523.18	-73.03	-84.31	-72.2	4.07
4944.33	4.06	240.06	4932.87	-1617.37	-75.88	-90.53	-74.99	0.83
5038.76	5.86	236.6	5026.94	-1711.44	-80.21	-97.45	-79.25	1.93
5133.19	6.02	236.34	5120.86	-1805.36	-85.6	-105.6	-84.57	0.17
5227.62	6.6	228.76	5214.72	-1899.22	-91.93	-113.8	-90.81	1.07
5322.05	7.24	221.53	5308.46	-1992.96	-99.96	-121.83	-98.76	1.14
5416.48	7.26	220.72	5402.14	-2086.64	-108.93	-129.67	-107.66	0.11
5510.91	7.4	221.67	5495.8	-2180.3	-118	-137.6	-116.65	0.2
5605.34	7.51	221.12	5589.43	-2273.93	-127.19	-145.7	-125.76	0.14
5699.77	7.6	220.58	5683.04	-2367.54	-136.58	-153.82	-135.07	0.12
5794.2	7.62	219.09	5776.64	-2461.14	-146.18	-161.83	-144.6	0.21
5888.63	7.66	218.04	5870.23	-2554.73	-156	-169.66	-154.33	0.15
5983.06	7.73	217.66	5963.81	-2648.31	-165.98	-177.42	-164.24	0.09
6077.49	7.69	216.35	6057.39	-2741.89	-176.1	-185.04	-174.28	0.19
6171.92	7.04	215.98	6151.04	-2835.54	-185.87	-192.19	-183.98	0.69
6266.35	6.37	220.63	6244.82	-2929.32	-194.53	-199	-192.58	0.91
6360.78	6.25	219.34	6338.68	-3023.18	-202.48	-205.67	-200.46	0.2
6455.21	6.28	217.77	6432.54	-3117.04	-210.54	-212.09	-208.46	0.18
6549.64	6.3	217.27	6526.41	-3210.91	-218.74	-218.39	-216.6	0.06
6644.07	6.23	216.01	6620.27	-3304.77	-227.01	-224.54	-224.81	0.16
6738.5	6.37	214.93	6714.13	-3398.63	-235.45	-230.55	-233.19	0.19

6832.93	6.27	212.06	6807.99	-3492.49	-244.12	-236.29	-241.8	0.35
6927.36	6.01	215.55	6901.88	-3586.38	-252.51	-241.9	-250.13	0.48
7021.79	5.95	213.57	6995.79	-3680.29	-260.61	-247.48	-258.18	0.23
7116.22	5.78	213.17	7089.73	-3774.23	-268.67	-252.79	-266.18	0.19
7210.65	5.64	209.52	7183.69	-3868.19	-276.69	-257.68	-274.15	0.41
7305.08	4.12	203.44	7277.78	-3962.28	-283.84	-261.31	-281.27	1.7
7399.51	3.57	212.45	7371.99	-4056.49	-289.43	-264.24	-286.83	0.86
7493.94	2.65	220.12	7466.28	-4150.78	-293.58	-267.22	-290.95	1.07
7588.37	1.96	249.65	7560.64	-4245.14	-295.81	-270.14	-293.16	1.43
7682.8	1.59	265.83	7655.03	-4339.53	-296.47	-272.96	-293.79	0.66
7777.23	0.8	281.47	7749.43	-4433.93	-296.43	-274.92	-293.73	0.9
7871.66	0.59	288.24	7843.86	-4528.36	-296.15	-276.02	-293.44	0.24
7966.09	0.31	200.33	7938.29	-4622.79	-296.24	-276.58	-293.52	0.7
8060.52	0.22	110.34	8032.71	-4717.21	-296.54	-276.49	-293.82	0.4
8154.95	0.49	82.77	8127.14	-4811.64	-296.55	-275.92	-293.84	0.33
8249.38	0.64	74.13	8221.57	-4906.07	-296.36	-275.02	-293.65	0.18
8343.81	0.71	66.92	8315.99	-5000.49	-295.98	-273.97	-293.29	0.12
8438.24	0.84	58.68	8410.41	-5094.91	-295.39	-272.84	-292.71	0.18
8532.67	0.92	50.6	8504.83	-5189.33	-294.55	-271.66	-291.88	0.16
8627.1	1.15	48.46	8599.25	-5283.75	-293.44	-270.37	-290.79	0.25
8721.53	1.02	50.01	8693.66	-5378.16	-292.27	-269.02	-289.63	0.14
8815.96	0.9	51.27	8788.08	-5472.58	-291.27	-267.79	-288.64	0.13
8910.39	0.88	66.56	8882.49	-5566.99	-290.52	-266.55	-287.9	0.25
9004.82	1.06	71.06	8976.91	-5661.41	-289.95	-265.06	-287.34	0.21
9099.25	0.84	84.61	9071.33	-5755.83	-289.6	-263.54	-287.01	0.33
9193.68	0.63	108.73	9165.75	-5850.25	-289.7	-262.36	-287.12	0.39
9288.11	0.7	118.39	9260.17	-5944.67	-290.14	-261.36	-287.57	0.14
9382.54	0.95	181.84	9354.6	-6039.1	-291.2	-260.88	-288.63	0.95
9476.97	1.3	234.95	9449.01	-6133.51	-292.59	-261.78	-290.02	1.12
9571.4	1.76	239.01	9543.41	-6227.91	-293.96	-263.9	-291.36	0.5
9665.83	2.05	242.97	9637.78	-6322.28	-295.47	-266.65	-292.85	0.34
9760.26	2.48	240.54	9732.14	-6416.64	-297.24	-269.93	-294.59	0.47
9854.69	3.18	236.06	9826.45	-6510.95	-299.71	-273.88	-297.02	0.78
9949.12	3.78	238.22	9920.71	-6605.21	-302.81	-278.7	-300.07	0.65
10043.55	3.58	245.53	10014.95	-6699.45	-305.67	-284.03	-302.88	0.54
10137.98	3.01	242.26	10109.22	-6793.72	-308.05	-288.91	-305.21	0.64
10232.41	1.8	240.93	10203.56	-6888.06	-309.92	-292.4	-307.05	1.28
10326.84	0.83	288.72	10297.97	-6982.47	-310.42	-294.35	-307.53	1.47
10421.27	0.73	313.48	10392.39	-7076.89	-309.79	-295.43	-306.89	0.37
10515.7	0.69	303.95	10486.82	-7171.32	-309.06	-296.34	-306.15	0.13
10610.13	0.63	277.91	10581.24	-7265.74	-308.67	-297.32	-305.75	0.32
10704.56	0.81	271.59	10675.66	-7360.16	-308.58	-298.51	-305.65	0.21
10798.99	0.99	279.7	10770.08	-7454.58	-308.42	-299.98	-305.48	0.23
10893.42	1.23	282.24	10864.49	-7548.99	-308.07	-301.77	-305.11	0.26
10987.85	1.45	290.45	10958.9	-7643.4	-307.44	-303.88	-304.45	0.31
11082.28	1.45	299.49	11053.3	-7737.8	-306.43	-306.04	-303.43	0.24
11176.71	1.15	301.78	11147.7	-7832.2	-305.35	-307.89	-302.32	0.32

11271.14	0.93	313.38	11242.12	-7926.62	-304.32	-309.25	-301.28	0.32
11365.57	0.78	299.07	11336.54	-8021.04	-303.48	-310.37	-300.43	0.28
11460	0.85	282.84	11430.96	-8115.46	-303.01	-311.61	-299.95	0.25
11508	0.83	272.88	11478.95	-8163.45	-302.92	-312.31	-299.85	0.31
11671	1.8	248.9	11641.91	-8326.41	-303.78	-315.87	-300.68	0.67
11718	6.6	345.1	11688.8	-8373.3	-301.43	-317.26	-298.32	14.95
11765	12.2	350.1	11735.15	-8419.65	-293.92	-318.81	-290.79	12.03
11812	16.7	352.8	11780.65	-8465.15	-282.32	-320.51	-279.18	9.68
11860	18.5	3.6	11826.42	-8510.92	-267.88	-320.9	-264.73	7.75
11908	24.6	8.3	11871.04	-8555.54	-250.37	-318.97	-247.24	13.2
11954	30.1	6.2	11911.89	-8596.39	-229.42	-316.34	-226.31	12.14
12001	32.8	1.7	11951.98	-8636.48	-204.97	-314.69	-201.88	7.61
12048	35.9	358.5	11990.79	-8675.29	-178.46	-314.68	-175.37	7.63
12095	41.1	354.9	12027.56	-8712.06	-149.27	-316.41	-146.17	12.04
12143	47	356.3	12062.04	-8746.54	-116.01	-318.95	-112.89	12.46
12190	52.2	358	12092.5	-8777	-80.28	-320.71	-77.14	11.4
12238	55.6	358	12120.77	-8805.27	-41.52	-322.06	-38.37	7.08
12285	57.3	357.9	12146.75	-8831.25	-2.38	-323.46	0.78	3.62
12332	61.4	359.4	12170.7	-8855.2	38.03	-324.4	41.2	9.14
12379	66.7	359.5	12191.26	-8875.76	80.28	-324.81	83.45	11.28
12427	71	359.2	12208.58	-8893.08	125.03	-325.32	128.2	8.98
12474	73.8	358.9	12222.79	-8907.29	169.82	-326.06	173	5.99
12521	75.9	358.1	12235.07	-8919.57	215.17	-327.25	218.36	4.76
12568	79	358.7	12245.28	-8929.78	261.02	-328.53	264.22	6.71
12616	82.9	0.9	12252.83	-8937.33	308.41	-328.69	311.61	9.3
12710	90.1	1.4	12258.57	-8943.07	402.16	-326.81	405.33	7.68
12804	91.6	0.1	12257.17	-8941.67	496.13	-325.58	499.29	2.11
12899	92.8	359.3	12253.53	-8938.03	591.06	-326.07	594.22	1.52
12994	94.3	357	12247.64	-8932.14	685.82	-329.13	689	2.89
13088	94.6	357.6	12240.35	-8924.85	779.43	-333.55	782.65	0.71
13183	93.1	358.3	12233.97	-8918.47	874.15	-336.94	877.4	1.74
13277	91.7	359	12230.04	-8914.54	968.04	-339.15	971.31	1.66
13371	92.3	359.3	12226.75	-8911.25	1061.97	-340.54	1065.25	0.71
13465	89.5	359.4	12225.28	-8909.78	1155.94	-341.61	1159.23	2.98
13560	89	359.8	12226.52	-8911.02	1250.93	-342.27	1254.22	0.67
13653	88.3	2	12228.71	-8913.21	1343.89	-340.81	1347.16	2.48
13748	88.3	4.3	12231.53	-8916.03	1438.7	-335.59	1441.91	2.42
13840	85.7	6	12236.35	-8920.85	1530.19	-327.35	1533.32	3.38
13936	86.9	5.5	12242.54	-8927.04	1625.51	-317.75	1628.53	1.35
14031	87.3	6.3	12247.35	-8931.85	1719.88	-308	1722.81	0.94
14125	87.7	7.4	12251.45	-8935.95	1813.12	-296.8	1815.93	1.24
14220	88.3	6.1	12254.76	-8939.26	1907.4	-285.64	1910.1	1.51
14314	89.7	5.8	12256.4	-8940.9	2000.88	-275.9	2003.48	1.52
14408	89.2	4.2	12257.31	-8941.81	2094.51	-267.71	2097.03	1.78
14502	86.8	2.7	12260.59	-8945.09	2188.28	-262.05	2190.73	3.01
14597	92.1	3.6	12261.5	-8946	2283.09	-256.83	2285.49	5.66
14618	92.1	4	12260.73	-8945.23	2304.03	-255.44	2306.42	1.9

14712	90.8	3.2	12258.35	-8942.85	2397.81	-249.54	2400.14	1.62
14807	84.5	2	12262.24	-8946.74	2492.59	-245.24	2494.87	6.75
14901	80.9	1.1	12274.19	-8958.69	2585.77	-242.71	2588.02	3.95
14996	82.1	358.2	12288.23	-8972.73	2679.72	-243.29	2681.97	3.27
15089	81.6	356.4	12301.42	-8985.92	2771.67	-247.63	2773.96	1.99
15184	82.4	352.7	12314.64	-8999.14	2865.3	-256.56	2867.67	3.95
15278	85.1	350.4	12324.88	-9009.38	2957.72	-270.3	2960.22	3.76
15373	93.2	349.8	12326.28	-9010.78	3051.21	-286.61	3053.87	8.55
15467	94.5	351	12319.97	-9004.47	3143.68	-302.25	3146.49	1.88
15561	92.9	356.1	12313.9	-8998.4	3236.86	-312.78	3239.76	5.68
15655	95.7	358.3	12306.85	-8991.35	3330.47	-317.37	3333.41	3.78
15750	93.8	1.9	12298.99	-8983.49	3425.12	-317.2	3428.06	4.27
15844	93.3	2.1	12293.17	-8977.67	3518.88	-313.92	3521.78	0.57
15938	92	0	12288.82	-8973.32	3612.76	-312.2	3615.64	2.63
16032	92	358.5	12285.54	-8970.04	3706.69	-313.43	3709.58	1.59
16126	90.1	355.5	12283.82	-8968.32	3800.53	-318.35	3803.46	3.78
16221	95.9	358.5	12278.84	-8963.34	3895.22	-323.32	3898.19	6.87
16315	90	357	12274.01	-8958.51	3988.98	-327.01	3991.98	6.48
16409	95.2	357.8	12269.75	-8954.25	4082.75	-331.27	4085.8	5.6
16503	96.4	358.5	12260.25	-8944.75	4176.22	-334.29	4179.29	1.48
16597	89.8	0.2	12255.17	-8939.67	4270.02	-335.35	4273.09	7.25
16691	85.6	2.7	12258.94	-8943.44	4363.89	-332.97	4366.93	5.2
16786	83.3	1.1	12268.13	-8952.63	4458.38	-329.84	4461.39	2.94
16887	89.5	355.7	12274.47	-8958.97	4559.05	-332.66	4562.09	8.13
16981	90.6	351.6	12274.39	-8958.89	4652.46	-343.06	4655.59	4.52
17073	98.6	354	12267.01	-8951.51	4743.35	-354.55	4746.59	9.08
17170	95.8	356.4	12254.86	-8939.36	4839.24	-362.6	4842.55	3.79
17265	95.1	357.7	12245.83	-8930.33	4933.68	-367.46	4937.03	1.55
17359	91.7	359.3	12240.26	-8924.76	5027.46	-369.92	5030.84	4
17453	91.4	359	12237.72	-8922.22	5121.42	-371.31	5124.8	0.45
17548	88.5	358.5	12237.8	-8922.3	5216.39	-373.38	5219.79	3.1
17642	90	359.5	12239.03	-8923.53	5310.36	-375.02	5313.77	1.92
17736	88.8	0.8	12240.01	-8924.51	5404.35	-374.78	5407.76	1.88
17831	86.8	358.9	12243.66	-8928.16	5499.27	-375.03	5502.67	2.9
17925	91.8	1.4	12244.81	-8929.31	5593.23	-374.78	5596.62	5.95
18019	90.2	2.2	12243.17	-8927.67	5687.16	-371.83	5690.52	1.9
18114	88.3	1.8	12244.41	-8928.91	5782.09	-368.51	5785.42	2.04
18208	89.1	1.6	12246.54	-8931.04	5876.03	-365.72	5879.32	0.88
18303	89.6	0.2	12247.62	-8932.12	5971	-364.23	5974.28	1.56
18398	85.2	357.1	12251.93	-8936.43	6065.85	-366.46	6069.14	5.66
18492	84.3	356.4	12260.53	-8945.03	6159.3	-371.77	6162.64	1.21
18530	84.3	356	12264.31	-8948.81	6197.03	-374.27	6200.39	1.05

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to Well. 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 359.440° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.

Grid Convergence at Surface is 0.513° .

Based upon Minimum Curvature type calculations, at a Measured Depth of 18530.00ft., the Bottom Hole Displacement is 6208.32ft., in the Direction of 359.440° (Grid).

X	Y	Latitude	Longitude	Comments
839378	428699	32.1749	-103.37	
839378	428699	32.1749	-103.37	
839378.3	428699	32.1749	-103.37	
839379.2	428699.1	32.1749	-103.37	
839380.2	428699.5	32.17491	-103.37	
839380.9	428700.1	32.17491	-103.37	
839381.6	428700.8	32.17491	-103.37	
839382.3	428701.5	32.17491	-103.37	
839382.8	428702.3	32.17491	-103.37	
839383.9	428703.8	32.17492	-103.37	
839386.1	428706.1	32.17492	-103.37	
839388.9	428708.6	32.17493	-103.37	
839391.9	428711.6	32.17494	-103.37	
839394.6	428714.7	32.17495	-103.37	
839396.4	428717.4	32.17495	-103.37	
839397	428719.4	32.17496	-103.37	
839397.3	428721.9	32.17497	-103.37	
839398	428725	32.17498	-103.37	
839398.9	428728	32.17498	-103.37	
839400.4	428730.9	32.17499	-103.37	
839402.3	428733.3	32.175	-103.37	
839404.7	428735.4	32.175	-103.37	
839407.6	428737.5	32.17501	-103.37	
839410.6	428739.4	32.17501	-103.37	
839413.5	428740.8	32.17502	-103.37	
839416	428741.6	32.17502	-103.37	

839417.7	428741.7	32.17502	-103.37
839419.3	428741.8	32.17502	-103.37
839421.1	428741.5	32.17502	-103.37
839422.6	428740.4	32.17502	-103.37
839423.7	428738.4	32.17501	-103.37
839424.7	428736.1	32.17501	-103.37
839425.7	428733.8	32.175	-103.37
839426.3	428731.4	32.17499	-103.37
839425.2	428728.2	32.17498	-103.37
839421.9	428724.4	32.17497	-103.37
839417.3	428720.2	32.17496	-103.37
839411.5	428715.2	32.17495	-103.37
839405	428710.1	32.17493	-103.37
839398.3	428705.3	32.17492	-103.37
839392.2	428700.5	32.17491	-103.37
839387	428695.8	32.1749	-103.37
839383	428690.8	32.17488	-103.37
839380.1	428684.1	32.17486	-103.37
839376.9	428675.4	32.17484	-103.37
839371.7	428666	32.17481	-103.37
839364.5	428656.3	32.17479	-103.37
839355.7	428647.2	32.17476	-103.37
839344.3	428639.5	32.17474	-103.37
839330.8	428633.4	32.17473	-103.37
839316.8	428629.8	32.17472	-103.37
839303.5	428627.9	32.17471	-103.37
839293.7	428626	32.17471	-103.37
839287.5	428623.1	32.1747	-103.37
839280.6	428618.8	32.17469	-103.37
839272.4	428613.4	32.17467	-103.37
839264.2	428607.1	32.17465	-103.37
839256.2	428599	32.17463	-103.37
839248.3	428590.1	32.17461	-103.37
839240.4	428581	32.17458	-103.371
839232.3	428571.8	32.17456	-103.371
839224.2	428562.4	32.17453	-103.371
839216.2	428552.8	32.17451	-103.371
839208.3	428543	32.17448	-103.371
839200.6	428533	32.17445	-103.371
839193	428522.9	32.17442	-103.371
839185.8	428513.1	32.1744	-103.371
839179	428504.5	32.17437	-103.371
839172.3	428496.5	32.17435	-103.371
839165.9	428488.5	32.17433	-103.371
839159.6	428480.3	32.17431	-103.371
839153.5	428472	32.17429	-103.371
839147.5	428463.6	32.17426	-103.371

839141.7	428454.9	32.17424	-103.371
839136.1	428446.5	32.17422	-103.371
839130.5	428438.4	32.17419	-103.371
839125.2	428430.3	32.17417	-103.371
839120.3	428422.3	32.17415	-103.371
839116.7	428415.2	32.17413	-103.371
839113.8	428409.6	32.17412	-103.371
839110.8	428405.4	32.1741	-103.371
839107.9	428403.2	32.1741	-103.371
839105	428402.5	32.1741	-103.371
839103.1	428402.6	32.1741	-103.371
839102	428402.9	32.1741	-103.371
839101.4	428402.8	32.1741	-103.371
839101.5	428402.5	32.1741	-103.371
839102.1	428402.5	32.1741	-103.371
839103	428402.6	32.1741	-103.371
839104	428403	32.1741	-103.371
839105.2	428403.6	32.1741	-103.371
839106.3	428404.5	32.1741	-103.371
839107.6	428405.6	32.1741	-103.371
839109	428406.7	32.17411	-103.371
839110.2	428407.7	32.17411	-103.371
839111.5	428408.5	32.17411	-103.371
839112.9	428409.1	32.17411	-103.371
839114.5	428409.4	32.17411	-103.371
839115.6	428409.3	32.17411	-103.371
839116.6	428408.9	32.17411	-103.371
839117.1	428407.8	32.17411	-103.371
839116.2	428406.4	32.17411	-103.371
839114.1	428405	32.1741	-103.371
839111.4	428403.5	32.1741	-103.371
839108.1	428401.8	32.17409	-103.371
839104.1	428399.3	32.17409	-103.371
839099.3	428396.2	32.17408	-103.371
839094	428393.3	32.17407	-103.371
839089.1	428391	32.17406	-103.371
839085.6	428389.1	32.17406	-103.371
839083.7	428388.6	32.17406	-103.371
839082.6	428389.2	32.17406	-103.371
839081.7	428389.9	32.17406	-103.371
839080.7	428390.3	32.17406	-103.371
839079.5	428390.4	32.17406	-103.371
839078	428390.6	32.17406	-103.371
839076.2	428390.9	32.17406	-103.371
839074.1	428391.6	32.17407	-103.371
839072	428392.6	32.17407	-103.371
839070.1	428393.7	32.17407	-103.371

839068.8	428394.7	32.17408	-103.371
839067.6	428395.5	32.17408	-103.371
839066.4	428396	32.17408	-103.371
839065.7	428396.1	32.17408	-103.371
839062.1	428395.2	32.17408	-103.371 First Pro MWD Survey, 11671.00' MD, 11641.91' TVD
839060.7	428397.6	32.17408	-103.371
839059.2	428405.1	32.1741	-103.371
839057.5	428416.7	32.17414	-103.371
839057.1	428431.1	32.17418	-103.371
839059	428448.6	32.17422	-103.371
839061.7	428469.6	32.17428	-103.371
839063.3	428494	32.17435	-103.371
839063.3	428520.5	32.17442	-103.371
839061.6	428549.7	32.1745	-103.371
839059.1	428583	32.17459	-103.371
839057.3	428618.7	32.17469	-103.371
839055.9	428657.5	32.1748	-103.371
839054.5	428696.6	32.17491	-103.371
839053.6	428737	32.17502	-103.371
839053.2	428779.3	32.17513	-103.371
839052.7	428824	32.17526	-103.371
839051.9	428868.8	32.17538	-103.371
839050.8	428914.2	32.1755	-103.371
839049.5	428960	32.17563	-103.371
839049.3	429007.4	32.17576	-103.371
839051.2	429101.2	32.17602	-103.371
839052.4	429195.1	32.17628	-103.371
839051.9	429290.1	32.17654	-103.371
839048.9	429384.8	32.1768	-103.371
839044.5	429478.4	32.17705	-103.371
839041.1	429573.2	32.17732	-103.371
839038.9	429667	32.17757	-103.371
839037.5	429761	32.17783	-103.371
839036.4	429854.9	32.17809	-103.371
839035.7	429949.9	32.17835	-103.371
839037.2	430042.9	32.17861	-103.371
839042.4	430137.7	32.17887	-103.371
839050.7	430229.2	32.17912	-103.371
839060.3	430324.5	32.17938	-103.371
839070	430418.9	32.17964	-103.371
839081.2	430512.1	32.17989	-103.371
839092.4	430606.4	32.18015	-103.371
839102.1	430699.9	32.18041	-103.371
839110.3	430793.5	32.18067	-103.371
839116	430887.3	32.18093	-103.371
839121.2	430982.1	32.18119	-103.371
839122.6	431003	32.18124	-103.371

839128.5	431096.8	32.1815	-103.371
839132.8	431191.6	32.18176	-103.371
839135.3	431284.8	32.18202	-103.371
839134.7	431378.7	32.18228	-103.371
839130.4	431470.7	32.18253	-103.371
839121.4	431564.3	32.18279	-103.371
839107.7	431656.7	32.18304	-103.371
839091.4	431750.2	32.1833	-103.371
839075.8	431842.7	32.18355	-103.371
839065.2	431935.9	32.18381	-103.371
839060.6	432029.5	32.18407	-103.371
839060.8	432124.1	32.18433	-103.371
839064.1	432217.9	32.18458	-103.371
839065.8	432311.8	32.18484	-103.371
839064.6	432405.7	32.1851	-103.371
839059.7	432499.5	32.18536	-103.371
839054.7	432594.2	32.18562	-103.371
839051	432688	32.18588	-103.371
839046.7	432781.8	32.18613	-103.371
839043.7	432875.2	32.18639	-103.371
839042.7	432969	32.18665	-103.371
839045	433062.9	32.18691	-103.371
839048.2	433157.4	32.18717	-103.371
839045.3	433258.1	32.18744	-103.371
839034.9	433351.5	32.1877	-103.371
839023.5	433442.4	32.18795	-103.371
839015.4	433538.2	32.18821	-103.371
839010.5	433632.7	32.18847	-103.371
839008.1	433726.5	32.18873	-103.371
839006.7	433820.4	32.18899	-103.371
839004.6	433915.4	32.18925	-103.371
839003	434009.4	32.18951	-103.371
839003.2	434103.4	32.18977	-103.371
839003	434198.3	32.19003	-103.371
839003.2	434292.2	32.19029	-103.371
839006.2	434386.2	32.19054	-103.371
839009.5	434481.1	32.19081	-103.371
839012.3	434575	32.19106	-103.371
839013.8	434670	32.19132	-103.371
839011.5	434764.9	32.19159	-103.371
839006.2	434858.3	32.19184	-103.371 Final Survey, 18492.00' MD, 12260.53' TVD
839003.7	434896	32.19195	-103.371 Projected TD, 18530.00' MD, 12264.31' TVD