

30.015.36715

Survey Report



Company: Cimarex
Well: TOAD 31 #1
API or UWI: 30-015-36715
State: NM
County: Eddy
Comment:

Location: Eddy County
Rig: TECO #2
Job Number: 01045-433-22
Operator: Taylor
Magnetic Declination: 8.170
Proposed Azimuth: 269.6
North Reference: TRUE

Tiein Survey Data:

Depth	Inclination	Azimuth	TVD	N/-S	E/-W
3,700.00	0.3	194.0	3,699.89	-3.37	19.25

Depth	Inclination	Azimuth	TVD	N/-S	E/-W	CA	CD	VS	DogLeg
3,776.00	17.2	253.8	3,774.74	-6.75	8.33	129.0	10.72	-8.28	22.4
3,786.00	21.8	247.9	3,784.17	-7.86	5.19	146.6	9.42	-5.13	49.9
3,796.00	25.1	248.3	3,793.34	-9.34	1.49	170.9	9.46	-1.42	33.0
3,808.00	29.2	248.0	3,804.02	-11.38	-3.59	197.5	11.93	3.67	34.2
3,818.00	32.8	255.5	3,812.59	-12.98	-8.47	213.1	15.50	8.57	52.6
3,828.00	36.0	246.8	3,820.84	-14.82	-13.80	223.0	20.25	13.91	58.4
3,837.00	38.3	248.1	3,828.02	-16.90	-18.82	228.1	25.29	18.95	27.0
3,847.00	40.4	250.0	3,835.75	-19.16	-24.74	232.2	31.30	24.88	24.2
3,857.00	42.2	251.4	3,843.26	-21.34	-30.97	235.4	37.61	31.13	20.2
3,868.00	44.4	253.8	3,851.27	-23.59	-38.17	238.3	44.87	38.34	25.0
3,878.00	46.1	255.8	3,858.31	-25.45	-45.02	240.5	51.72	45.21	22.2
3,888.00	48.1	257.3	3,865.12	-27.16	-52.15	242.5	58.80	52.35	22.8
3,900.00	50.4	258.8	3,872.95	-29.04	-61.04	244.6	67.60	61.25	21.4
3,910.00	52.5	260.4	3,879.18	-30.45	-68.73	246.1	75.17	68.95	24.4
3,920.00	54.3	262.3	3,885.14	-31.65	-76.67	247.6	82.95	76.90	23.6
3,932.00	56.2	257.5	3,891.98	-33.39	-86.37	248.9	92.60	86.61	36.5
3,942.00	58.2	265.9	3,897.41	-34.59	-94.68	249.9	100.80	94.93	73.4
3,952.00	60.1	267.5	3,902.54	-35.08	-103.25	251.2	109.04	103.50	23.4
3,963.00	62.3	269.3	3,907.84	-35.35	-112.88	252.6	118.29	113.14	24.6
3,973.00	64.5	270.7	3,912.31	-35.35	-121.82	253.8	126.85	122.08	25.3
3,983.00	66.5	271.8	3,916.46	-35.15	-130.92	255.0	135.56	131.17	22.4
3,995.00	69.5	273.1	3,920.95	-34.67	-142.03	256.3	146.20	142.28	26.9

4,005.00	71.6	273.1	3,924.28	-34.16	-151.45	257.3	155.25	151.69	21.0
4,015.00	74.0	272.9	3,927.24	-33.66	-160.99	258.2	164.47	161.23	24.1
4,026.00	76.4	273.2	3,930.05	-33.10	-171.61	259.1	174.77	171.84	22.0
4,036.00	78.2	274.0	3,932.25	-32.49	-181.34	259.8	184.23	181.57	19.6
4,046.00	80.9	274.5	3,934.06	-31.76	-191.15	260.6	193.77	191.38	27.4
4,066.00	83.7	279.2	3,936.74	-29.39	-210.82	262.1	212.86	211.03	27.2
4,089.00	88.9	279.7	3,938.23	-25.62	-233.45	263.7	234.85	233.63	22.7
4,120.00	91.6	279.2	3,938.09	-20.53	-264.03	265.6	264.82	264.17	8.9
4,152.00	91.1	279.2	3,937.34	-15.42	-295.61	267.0	296.01	295.71	1.6
4,184.00	89.5	278.6	3,937.17	-10.47	-327.22	268.2	327.39	327.29	5.3
4,216.00	89.6	278.7	3,937.42	-5.66	-358.85	269.1	358.90	358.89	0.4
4,247.00	89.1	278.6	3,937.77	-0.99	-389.50	269.9	389.50	389.50	1.6
4,279.00	88.9	278.7	3,938.33	3.82	-421.13	270.5	421.15	421.09	0.7
4,310.00	89.1	277.5	3,938.87	8.18	-451.82	271.0	451.89	451.74	3.9
4,342.00	89.1	276.9	3,939.38	12.20	-483.56	271.4	483.71	483.46	1.9
4,373.00	89.6	275.1	3,939.73	15.44	-514.39	271.7	514.62	514.26	6.0
4,405.00	90.0	274.5	3,939.84	18.11	-546.27	271.9	546.57	546.13	2.3
4,437.00	89.9	274.5	3,939.87	20.62	-578.18	272.0	578.54	578.01	0.3
4,469.00	91.0	274.1	3,939.62	23.02	-610.08	272.2	610.52	609.90	3.7
4,500.00	90.9	274.2	3,939.10	25.27	-641.00	272.3	641.50	640.80	0.5
4,531.00	91.0	274.0	3,938.59	27.48	-671.91	272.3	672.48	671.70	0.7
4,562.00	90.8	273.1	3,938.10	29.40	-702.85	272.4	703.47	702.62	3.0
4,594.00	90.4	273.0	3,937.77	31.10	-734.80	272.4	735.46	734.56	1.3
4,626.00	90.7	272.8	3,937.46	32.72	-766.76	272.4	767.46	766.50	1.1
4,656.00	91.1	271.8	3,936.99	33.93	-796.73	272.4	797.45	796.46	3.6
4,686.00	90.8	271.8	3,936.49	34.87	-826.71	272.4	827.45	826.44	1.0
4,718.00	89.4	271.3	3,936.43	35.73	-858.70	272.4	859.44	858.42	4.6
4,749.00	89.1	271.1	3,936.84	36.38	-889.69	272.3	890.44	889.40	1.2
4,780.00	87.8	269.9	3,937.68	36.65	-920.68	272.3	921.41	920.38	5.7
4,812.00	88.0	269.7	3,938.85	36.54	-952.66	272.2	953.36	952.36	0.9
4,844.00	88.4	269.0	3,939.86	36.18	-984.64	272.1	985.30	984.35	2.5
4,876.00	88.4	269.0	3,940.75	35.62	-1,016.62	272.0	1,017.24	1,016.33	0.0
4,908.00	88.1	269.4	3,941.73	35.17	-1,048.60	271.9	1,049.19	1,048.32	1.6
4,940.00	88.0	269.2	3,942.82	34.78	-1,080.58	271.8	1,081.14	1,080.30	0.7
4,971.00	87.3	268.9	3,944.09	34.27	-1,111.55	271.8	1,112.08	1,111.27	2.5

5,003.00	87.1	269.2	3,945.65	33.74	-1,143.51	271.7	1,144.01	1,143.23	1.1
5,034.00	87.3	269.2	3,947.16	33.31	-1,174.47	271.6	1,174.94	1,174.19	0.6
5,066.00	87.0	269.0	3,948.76	32.81	-1,206.43	271.6	1,206.87	1,206.15	1.1
5,098.00	87.7	269.6	3,950.24	32.42	-1,238.39	271.5	1,238.81	1,238.12	2.9
5,130.00	87.3	269.3	3,951.63	32.11	-1,270.36	271.4	1,270.76	1,270.09	1.6
5,162.00	88.7	269.8	3,952.75	31.86	-1,302.33	271.4	1,302.72	1,302.07	4.6
5,194.00	88.9	270.2	3,953.42	31.86	-1,334.33	271.4	1,334.71	1,334.06	1.4
5,226.00	88.6	270.3	3,954.12	32.00	-1,366.32	271.3	1,366.69	1,366.05	1.0
5,257.00	88.0	269.9	3,955.04	32.05	-1,397.31	271.3	1,397.67	1,397.03	2.3
5,289.00	88.0	269.4	3,956.15	31.86	-1,429.29	271.3	1,429.64	1,429.01	1.6
5,321.00	89.8	269.7	3,956.77	31.60	-1,461.28	271.2	1,461.62	1,461.01	5.7
5,352.00	90.1	269.8	3,956.79	31.47	-1,492.28	271.2	1,492.61	1,492.01	1.0
5,384.00	90.5	270.0	3,956.63	31.41	-1,524.28	271.2	1,524.60	1,524.01	1.4
5,415.00	89.4	269.5	3,956.65	31.28	-1,555.28	271.2	1,555.59	1,555.00	3.9
5,447.00	89.2	269.4	3,957.04	30.97	-1,587.27	271.1	1,587.57	1,587.00	0.7
5,478.00	88.9	268.7	3,957.56	30.46	-1,618.26	271.1	1,618.55	1,618.00	2.5
5,510.00	88.7	269.0	3,958.23	29.81	-1,650.25	271.0	1,650.52	1,649.99	1.1
5,541.00	88.5	269.3	3,958.99	29.36	-1,681.24	271.0	1,681.49	1,680.98	1.2
5,572.00	88.0	269.0	3,959.93	28.90	-1,712.22	271.0	1,712.46	1,711.96	1.9
5,604.00	87.9	269.1	3,961.08	28.37	-1,744.19	270.9	1,744.42	1,743.94	0.4
5,635.00	87.9	268.9	3,962.21	27.82	-1,775.17	270.9	1,775.39	1,774.92	0.6
5,667.00	87.4	268.4	3,963.53	27.07	-1,807.13	270.9	1,807.33	1,806.89	2.2
5,699.00	87.2	268.1	3,965.03	26.10	-1,839.08	270.8	1,839.27	1,838.84	1.1
5,730.00	87.9	268.1	3,966.36	25.07	-1,870.04	270.8	1,870.20	1,869.80	2.3
5,762.00	87.3	267.9	3,967.70	23.95	-1,901.99	270.7	1,902.14	1,901.76	2.0
5,794.00	86.8	267.6	3,969.34	22.70	-1,933.92	270.7	1,934.05	1,933.70	1.8
5,826.00	87.2	267.6	3,971.02	21.36	-1,965.85	270.6	1,965.97	1,965.64	1.2
5,857.00	87.9	267.3	3,972.34	19.98	-1,996.79	270.6	1,996.89	1,996.59	2.5
5,889.00	88.4	267.3	3,973.38	18.48	-2,028.74	270.5	2,028.82	2,028.55	1.6
5,920.00	89.5	267.6	3,973.95	17.10	-2,059.70	270.5	2,059.77	2,059.52	3.7
5,951.00	90.6	267.7	3,973.92	15.83	-2,090.67	270.4	2,090.73	2,090.50	3.6
5,983.00	92.0	267.6	3,973.19	14.51	-2,122.64	270.4	2,122.69	2,122.48	4.4
6,014.00	91.6	267.6	3,972.22	13.22	-2,153.60	270.4	2,153.64	2,153.44	1.3
6,046.00	91.8	267.7	3,971.27	11.90	-2,185.56	270.3	2,185.59	2,185.41	0.7

6,077.00	93.0	267.6	3,969.97	10.63	-2,216.50	270.3	2,216.53	2,216.36	3.9
6,107.00	93.4	267.4	3,968.30	9.33	-2,246.43	270.2	2,246.45	2,246.30	1.5
6,137.00	93.2	267.4	3,966.57	7.97	-2,276.35	270.2	2,276.36	2,276.23	0.7
6,168.00	92.7	266.9	3,964.97	6.43	-2,307.27	270.2	2,307.27	2,307.16	2.3
6,200.00	91.7	266.7	3,963.75	4.65	-2,339.19	270.1	2,339.20	2,339.10	3.2
6,229.00	90.1	265.4	3,963.29	2.65	-2,368.12	270.1	2,368.12	2,368.04	7.1
6,263.00	92.0	265.8	3,962.67	0.04	-2,402.01	270.0	2,402.01	2,401.95	5.7
6,294.00	92.7	266.5	3,961.40	-2.04	-2,432.91	270.0	2,432.92	2,432.86	3.2
6,326.00	93.4	267.2	3,959.69	-3.80	-2,464.82	269.9	2,464.82	2,464.78	3.1
6,356.00	92.9	266.7	3,958.05	-5.39	-2,494.73	269.9	2,494.74	2,494.70	2.4
6,387.00	92.7	266.3	3,956.53	-7.28	-2,525.64	269.8	2,525.65	2,525.62	1.4
6,418.00	92.8	266.1	3,955.04	-9.33	-2,556.53	269.8	2,556.55	2,556.53	0.7
6,450.00	92.6	265.4	3,953.54	-11.70	-2,588.41	269.7	2,588.44	2,588.43	2.3
6,479.00	92.3	265.3	3,952.30	-14.05	-2,617.29	269.7	2,617.33	2,617.32	1.1
6,510.00	91.7	265.0	3,951.21	-16.67	-2,648.16	269.6	2,648.21	2,648.21	2.2
6,542.00	92.4	265.3	3,950.07	-19.37	-2,680.02	269.6	2,680.09	2,680.09	2.4
6,573.00	93.2	265.5	3,948.56	-21.86	-2,710.89	269.5	2,710.97	2,710.97	2.7
6,604.00	92.8	265.4	3,946.93	-24.31	-2,741.75	269.5	2,741.85	2,741.85	1.3
6,636.00	92.4	265.2	3,945.48	-26.93	-2,773.61	269.4	2,773.74	2,773.73	1.4
6,667.00	92.6	265.0	3,944.13	-29.58	-2,804.46	269.4	2,804.62	2,804.60	0.9
6,699.00	92.8	265.3	3,942.62	-32.28	-2,836.31	269.3	2,836.50	2,836.47	1.1
6,742.00	91.9	264.5	3,940.86	-36.10	-2,879.11	269.3	2,879.33	2,879.29	2.8
6,773.00	92.1	264.5	3,939.78	-39.07	-2,909.94	269.2	2,910.21	2,910.15	0.6
6,804.00	92.5	266.3	3,938.53	-41.55	-2,940.82	269.2	2,941.11	2,941.04	5.9
6,836.00	91.7	266.9	3,937.36	-43.45	-2,972.74	269.2	2,973.06	2,972.98	3.1
6,865.00	91.6	266.8	3,936.53	-45.04	-3,001.68	269.1	3,002.02	3,001.93	0.5
6,895.00	91.6	266.9	3,935.69	-46.69	-3,031.63	269.1	3,031.99	3,031.89	0.3
6,927.00	92.7	266.0	3,934.49	-48.67	-3,063.54	269.1	3,063.93	3,063.82	4.4
6,958.00	93.7	266.7	3,932.76	-50.64	-3,094.43	269.1	3,094.84	3,094.72	3.9
6,989.00	93.8	266.2	3,930.73	-52.56	-3,125.30	269.0	3,125.75	3,125.61	1.6
7,021.00	94.3	266.2	3,928.47	-54.67	-3,157.15	269.0	3,157.63	3,157.47	1.6
7,052.00	94.5	266.6	3,926.09	-56.61	-3,188.00	269.0	3,188.50	3,188.33	1.4
7,084.00	94.2	267.7	3,923.66	-58.20	-3,219.87	269.0	3,220.40	3,220.21	3.6
7,116.00	93.6	266.6	3,921.49	-59.79	-3,251.76	268.9	3,252.31	3,252.11	3.9
7,147.00	93.8	266.5	3,919.49	-61.65	-3,282.63	268.9	3,283.21	3,283.00	0.7

7,178.00	93.9	266.1	3,917.41	-63.64	-3,313.50	268.9	3,314.11	3,313.88	1.3
7,210.00	93.8	265.6	3,915.26	-65.95	-3,345.34	268.9	3,345.99	3,345.74	1.6
7,241.00	92.2	264.8	3,913.63	-68.54	-3,376.19	268.8	3,376.89	3,376.60	5.8
7,272.00	92.3	264.8	3,912.42	-71.35	-3,407.04	268.8	3,407.79	3,407.47	0.3
7,304.00	92.8	264.8	3,910.99	-74.25	-3,438.88	268.8	3,439.68	3,439.33	1.6
7,335.00	93.1	264.3	3,909.40	-77.19	-3,469.70	268.7	3,470.55	3,470.17	1.9
7,366.00	93.1	264.1	3,907.72	-80.32	-3,500.49	268.7	3,501.41	3,500.99	0.6
7,398.00	91.6	263.6	3,906.41	-83.74	-3,532.28	268.6	3,533.27	3,532.80	4.9
7,429.00	92.0	263.3	3,905.44	-87.28	-3,563.06	268.6	3,564.13	3,563.61	1.6
7,461.00	90.5	263.8	3,904.74	-90.87	-3,594.85	268.6	3,596.00	3,595.42	4.9
7,492.00	90.5	264.0	3,904.47	-94.16	-3,625.67	268.5	3,626.90	3,626.27	0.6
7,522.00	90.6	264.0	3,904.18	-97.30	-3,655.51	268.5	3,656.80	3,656.12	0.3
7,556.00	92.8	265.3	3,903.17	-100.47	-3,689.34	268.4	3,690.71	3,689.98	7.5
7,588.00	93.1	265.4	3,901.52	-103.06	-3,721.20	268.4	3,722.62	3,721.85	1.0
7,619.00	91.6	264.7	3,900.25	-105.73	-3,752.05	268.4	3,753.54	3,752.73	5.3
7,651.00	90.8	264.5	3,899.58	-108.74	-3,783.90	268.4	3,785.47	3,784.60	2.6
7,682.00	90.2	264.1	3,899.31	-111.82	-3,814.75	268.3	3,816.39	3,815.47	2.3
7,714.00	91.5	264.7	3,898.84	-114.94	-3,846.59	268.3	3,848.31	3,847.33	4.5
7,745.00	92.8	265.6	3,897.67	-117.56	-3,877.46	268.3	3,879.24	3,878.22	5.1
7,777.00	93.1	266.3	3,896.03	-119.82	-3,909.34	268.2	3,911.17	3,910.11	2.4
7,808.00	92.7	265.9	3,894.46	-121.93	-3,940.22	268.2	3,942.11	3,941.01	1.8
7,840.00	92.6	265.4	3,892.98	-124.35	-3,972.10	268.2	3,974.04	3,972.90	1.6
7,872.00	93.3	265.4	3,891.33	-126.91	-4,003.95	268.2	4,005.96	4,004.77	2.2
7,904.00	93.9	264.9	3,889.32	-129.61	-4,035.77	268.2	4,037.86	4,036.62	2.4
7,918.35	94.2	264.9	3,888.31	-130.89	-4,050.03	268.1	4,052.15	4,050.88	2.1