



PATHFINDER
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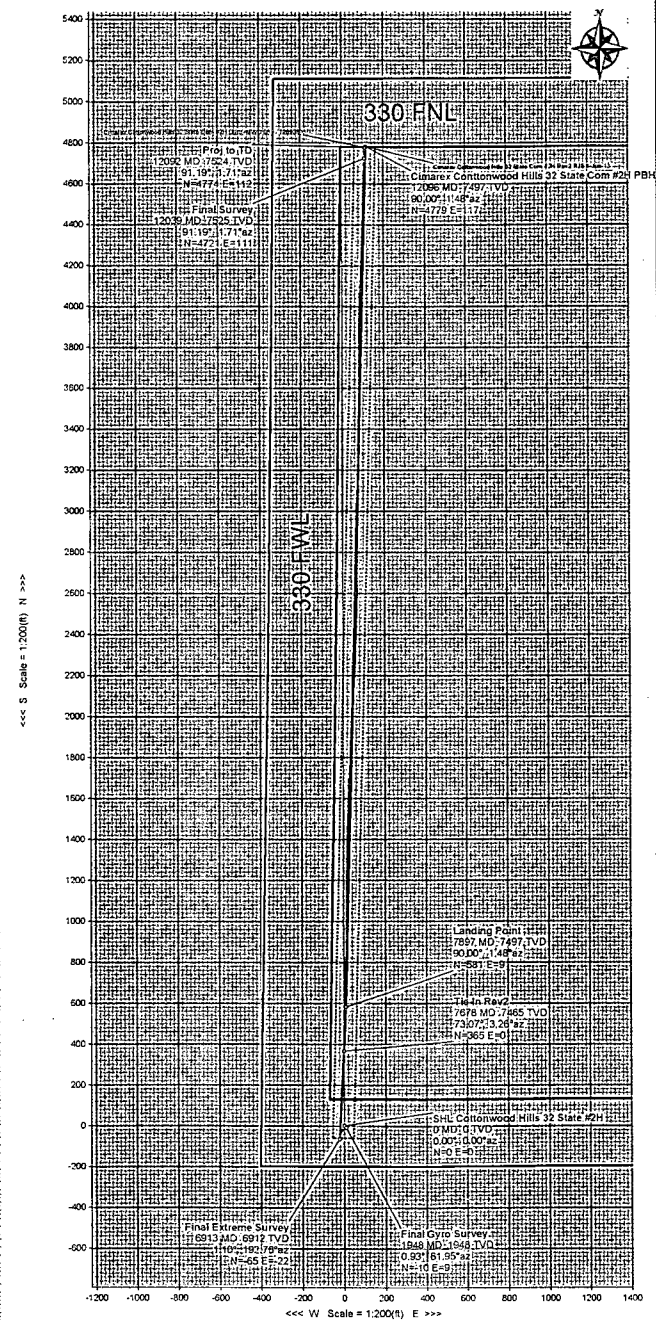
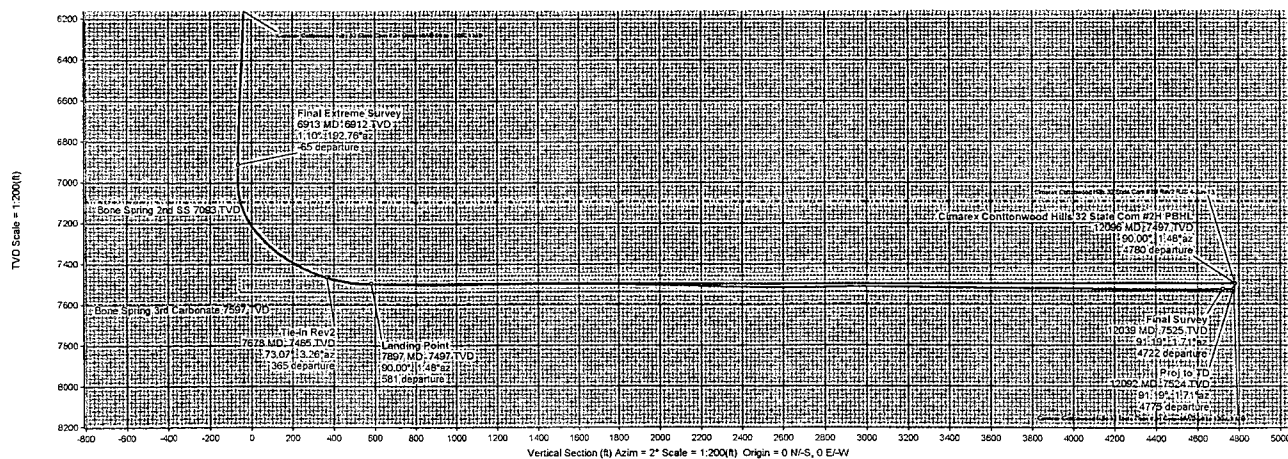
WELL		FIELD		STRUCTURE	
Cottonwood Hills 32 State Com #2H		NM Eddy County		Caclus 104	
Magnetic Parameters		Strata Location		Miscellaneous	
Model:	BGGM 2017	Dip:	59.841°	Date:	May 17, 2017
		Mag Dec:	7.711°	PS:	482.4 mT
		Lat:	N 32.446° E	Strata:	NAD83 New Mexico State Plane, Eastern Zone, US Feet
		Long:	W 101.113 10.818	North:	367506 W RLIS
				Grid Coord:	0.000°
				Scale:	0.00000051
				Stat Ref:	Cottonwood Hills 32 State Com F102 Ref
				Stat Date:	May 17, 2017



Grid North
Tot Corr (M→G 7.6803°)
Mag Dec (7.741°)
Grid Conv (0.060°)

Legend

- Celeron 1.6GHz/256MB 32 State Cash 3300
 Celeron 1.6GHz/256MB 32 State Cash F2H Dosing Tunnel
 Celeron 1.6GHz/256MB 32 State Cash F2H Beta Spring 2nd SS 7080 TVO
 Celeron 1.6GHz/256MB 32 State Cash 330 HL
 Celeron 1.6GHz/256MB 32 State Cash F2H Beta Spring 3rd 4-Jun-10
 Celeron 1.6GHz/256MB 32 State Cash F2H Beta Spring 2nd 4-Jun-10
 Celeron 1.6GHz/256MB 32 State Cash F2H Beta Spring 2nd 4-Jun-10



Drawn By: R. Schueder
Date Created: June 04, 2013 01:59:47 PM
Checked By:
Checked Date:
Approved By:
Approved Date:

3005 41084



Cimarex Cottonwood Hills 32 State Com #2H Gyro+MWD 0ft to 12092ft MD

(Def Survey)

Report Date: June 11, 2013 - 09:21 AM
 Client: Cimarex
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Cactus 104 / Cimarex Cottonwood Hills 32 State Com #2H
 Well: Cimarex Cottonwood Hills 32 State Com #2H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex Cottonwood Hills 32 State Com #2H Gyro+MWD 0ft to 12092ft MD
 Survey Date: May 29, 2013
 Tort / AHD / DDI / ERD Ratio: 135.897 ° / 4941.117 ft / 6.033 / 0.856
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 4' 46.42842", W 104° 13' 10.81813"
 Location Grid N/E Y/X: N 392700.900 ftUS, E 576540.800 ftUS
 CRS Grid Convergence Angle: 0.0604 °
 Grid Scale Factor: 0.99991051

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 2.000 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3268.000 ft above
 Seabed / Ground Elevation: 3248.000 ft above
 Magnetic Declination: 7.740 °
 Total Gravity Field Strength: 998.4896mgn (9.80665 Based)
 Total Magnetic Field Strength: 48246.629 nT
 Magnetic Dip Angle: 59.876 °
 Declination Date: May 29, 2013
 Magnetic Declination Model: BGGM 2013
 North Reference: Grid North
 Grid Convergence Used: 0.0604 °
 Total Corr Mag North->Grid North: 7.6798 °
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
SHL Cottonwood Hills 32 State #2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	121.47M
	100.00	0.34	121.47	100.00	-0.15	-0.15	0.25	0.30	121.47	0.34	118.95M
	200.00	0.59	118.95	200.00	-0.53	-0.53	0.96	1.11	120.30	0.56	159.5M
	280.22	0.46	159.50	280.21	-1.01	-1.06	1.43	1.78	126.55	0.48	183.96M
	369.08	0.34	183.96	369.07	-1.60	-1.66	1.54	2.26	137.15	0.23	216.98M
	457.88	0.38	216.98	457.87	-2.11	-2.16	1.34	2.54	148.09	0.23	196.47M
	547.78	0.23	196.47	547.77	-2.53	-2.57	1.11	2.80	156.58	0.20	180.73M
	637.65	0.45	180.73	637.64	-3.05	-3.09	1.06	3.27	161.15	0.26	162.55M
	728.15	0.66	162.55	728.13	-3.90	-3.95	1.21	4.13	162.98	0.30	167.54M
	823.54	0.58	167.54	823.52	-4.89	-4.94	1.48	5.16	163.36	0.10	181.44M
	918.30	0.49	181.44	918.27	-5.76	-5.81	1.57	6.02	164.89	0.17	192.46M
	1013.28	0.61	192.46	1013.25	-6.66	-6.71	1.45	6.87	167.81	0.17	203.32M
	1108.27	0.69	203.32	1108.23	-7.69	-7.73	1.12	7.81	171.79	0.15	199.57M
	1202.94	0.71	199.57	1202.89	-8.78	-8.81	0.69	8.84	175.50	0.05	185.41M
	1297.61	0.58	185.41	1297.56	-9.82	-9.84	0.45	9.85	177.37	0.22	138.46M
	1392.59	0.59	138.46	1392.53	-10.65	-10.68	0.73	10.71	176.09	0.49	105.03M
	1487.40	0.84	105.03	1487.34	-11.16	-11.23	1.73	11.36	171.26	0.50	93.15M
	1582.98	0.62	93.15	1582.91	-11.33	-11.44	2.92	11.81	165.69	0.28	73.85M
	1677.60	0.77	73.85	1677.52	-11.14	-11.29	4.04	11.99	160.31	0.29	74.36M
	1773.23	1.16	74.36	1773.14	-10.65	-10.85	5.59	12.21	152.75	0.41	80.79M
Final Gyro Survey	1868.03	1.50	80.79	1867.91	-10.12	-10.39	7.74	12.96	143.33	0.39	61.95M
	1948.03	0.93	61.95	1947.90	-9.59	-9.92	9.35	13.63	136.71	0.86	338.66M
	2066.00	0.31	338.66	2065.86	-8.82	-9.17	10.07	13.62	132.32	0.80	343.05M
	2161.00	0.22	343.05	2160.86	-8.41	-8.76	9.93	13.24	131.42	0.10	351.36M
	2256.00	0.31	351.36	2255.86	-7.98	-8.33	9.84	12.89	130.27	0.10	347.75M
	2353.00	0.22	347.75	2352.86	-7.54	-7.89	9.76	12.55	128.96	0.09	337.34M
	2447.00	0.22	337.34	2446.86	-7.21	-7.55	9.65	12.25	128.03	0.04	331.45M
	2542.00	0.22	331.45	2541.85	-6.88	-7.22	9.49	11.92	127.25	0.02	336.46M
	2637.00	0.22	336.46	2636.85	-6.56	-6.89	9.33	11.60	126.44	0.02	266.24M
	2732.00	0.40	266.24	2731.85	-6.43	-6.75	8.93	11.19	127.07	0.41	244.57M
	2828.00	0.31	244.57	2827.85	-6.58	-6.88	8.36	10.82	129.45	0.17	245.23M
	2922.00	0.22	245.23	2921.85	-6.78	-7.06	7.96	10.65	131.57	0.10	244.66M
	3017.00	0.31	244.66	3016.85	-6.98	-7.25	7.57	10.48	133.77	0.09	232.27M
	3112.00	0.31	232.27	3111.85	-7.26	-7.52	7.13	10.36	136.51	0.07	185.46M
	3207.00	0.09	185.46	3206.85	-7.50	-7.75	6.92	10.39	138.23	0.27	213.28M
	3300.00	0.31	213.28	3299.85	-7.79	-8.03	6.78	10.51	139.85	0.25	232.13M
	3396.00	0.40	232.13	3395.84	-8.23	-8.45	6.37	10.59	143.01	0.15	235.34M
	3491.00	0.31	235.34	3490.84	-8.59	-8.80	5.90	10.60	146.19	0.10	234.33M
	3586.00	0.31	234.33	3585.84	-8.90	-9.10	5.48	10.62	148.96	0.01	229.54M
	3682.00	0.48	229.54	3681.84	-9.33	-9.51	4.96	10.73	152.47	0.18	230.55M
	3777.00	0.40	230.55	3776.84	-9.82	-9.98	4.40	10.91	156.21	0.08	227.26M
	3872.00	0.62	227.26	3871.83	-10.40	-10.54	3.77	11.19	160.34	0.23	227.56M
	3967.00	0.48	227.56	3966.83	-11.04	-11.16	3.10	11.58	164.50	0.15	226.55M
	4062.00	0.48	226.55	4061.82	-11.61	-11.70	2.51	11.97	167.88	0.01	252.13M
	4158.00	0.62	252.13	4157.82	-12.07	-12.14	1.73	12.26	171.90	0.29	247.74M
	4254.00	0.62	247.74	4253.82	-12.46	-12.49	0.75	12.52	176.56	0.05	251.34M
	4348.00	0.62	251.34	4347.81	-12.85	-12.85	-0.20	12.85	180.90	0.04	244.04M
	4443.00	0.62	244.04	4442.80	-13.27	-13.24	-1.15	13.29	184.97	0.08	245.93M
	4538.00	0.62	245.93	4537.80	-13.74	-13.67	-2.08	13.83	188.66	0.02	249.76M
	4633.00	0.79	249.76	4632.79	-14.21	-14.11	-3.17	14.46	192.65	0.19	229.94M
	4728.00	0.62	229.94	4727.78	-14.80	-14.67	-4.17	15.25	195.88	0.31	232.27M
	4823.00	0.79	232.27	4822.78	-15.57	-15.40	-5.08	16.21	198.27	0.18	226.73M
	4919.00	0.79	226.73	4918.77	-16.46	-16.26	-6.09	17.36	200.54	0.08	220.53M
	5014.00	0.79	220.53	5013.76	-17.44	-17.20	-6.99	18.57	202.12	0.09	217.94M
	5108.00	1.10	217.94	5107.75	-18.67	-18.41	-7.97	20.06	203.41	0.33	215.66M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS ("/100ft)	TF (°)
Final Extreme Survey	5204.00	1.01	215.66	5203.73	-20.12	-19.82	-9.03	21.78	204.49	0.10	216.75M
	5300.00	1.19	216.75	5299.71	-21.65	-21.31	-10.12	23.59	205.40	0.19	211.57M
	5393.00	1.01	211.57	5392.69	-23.15	-22.78	-11.12	25.35	206.03	0.22	213.55M
	5488.00	1.10	213.55	5487.68	-24.66	-24.25	-12.07	27.09	206.45	0.10	219.26M
	5583.00	1.19	219.26	5582.66	-26.22	-25.78	-13.20	28.96	207.11	0.15	222.95M
	5678.00	1.32	222.95	5677.64	-27.83	-27.34	-14.57	30.98	208.05	0.16	219.83M
	5773.00	1.80	219.83	5772.60	-29.84	-29.29	-16.27	33.50	209.05	0.51	219.83M
	5869.00	1.58	219.83	5868.56	-32.07	-31.46	-18.08	36.29	209.88	0.23	215.74M
	5963.00	1.32	215.74	5962.53	-34.00	-33.34	-19.54	38.64	210.38	0.30	208.14M
	6058.00	1.41	208.14	6057.50	-35.96	-35.25	-20.73	40.90	210.46	0.21	190.56M
	6153.00	1.49	190.56	6152.47	-38.23	-37.50	-21.51	43.23	209.84	0.47	182.83M
	6248.00	2.29	182.83	6247.42	-41.35	-40.61	-21.83	46.11	208.26	0.88	175.27M
	6343.00	2.50	175.27	6342.34	-45.30	-44.57	-21.75	49.60	206.02	0.40	180.24M
	6438.00	2.59	180.24	6437.24	-49.51	-48.78	-21.59	53.35	203.87	0.25	171.27M
	6533.00	2.68	171.27	6532.14	-53.83	-53.12	-21.26	57.22	201.81	0.44	174.83M
	6628.00	2.11	174.83	6627.06	-57.75	-57.06	-20.77	60.72	200.00	0.62	181.73M
	6724.00	1.80	181.73	6723.00	-61.01	-60.33	-20.65	63.77	198.90	0.40	194.34M
	6818.00	1.58	194.34	6816.96	-63.75	-63.06	-21.02	66.47	198.44	0.46	192.76M
	6913.00	1.10	192.76	6911.94	-65.93	-65.22	-21.55	68.68	198.28	0.51	209.81M
	6981.00	0.88	209.81	6979.93	-67.03	-66.31	-21.95	69.84	198.32	0.54	354.3M
	7013.00	2.46	354.30	7011.92	-66.57	-65.84	-22.14	69.46	198.59	10.05	1.86M
	7044.00	6.95	1.86	7042.81	-64.03	-63.30	-22.15	67.06	199.28	14.59	3.53M
	7076.00	11.78	3.53	7074.37	-58.83	-58.10	-21.88	62.08	200.64	15.12	1.67L
	7108.00	17.15	3.00	7105.35	-50.84	-50.12	-21.43	54.51	203.15	16.79	1.56L
	7140.00	21.98	2.65	7135.49	-40.13	-39.42	-20.91	44.62	207.94	15.10	2.39R
	7172.00	26.73	3.09	7164.63	-26.94	-26.25	-20.24	33.15	217.64	14.85	1.52R
	7203.00	31.92	3.35	7191.65	-11.76	-11.09	-19.39	22.34	240.22	16.75	1.91L
	7235.00	36.58	3.09	7218.10	6.24	6.88	-18.38	19.63	290.53	14.57	3.05L
	7267.00	39.83	2.82	7243.24	26.02	26.65	-17.36	31.80	326.91	10.17	4.89R
	7299.00	41.94	3.09	7267.43	46.96	47.56	-16.28	50.27	341.10	6.82	3.52L
	7330.00	43.97	2.91	7290.12	68.08	68.66	-15.18	70.31	347.54	6.56	HS
	7362.00	46.78	2.91	7312.59	90.85	91.40	-14.02	92.47	351.28	8.78	1.83L
	7393.00	50.91	2.74	7332.99	114.19	114.71	-12.87	115.43	353.60	13.33	4.54L
	7425.00	54.61	2.38	7352.35	139.66	140.15	-11.73	140.64	355.21	11.60	5.26L
	7457.00	56.98	2.12	7370.34	166.12	166.60	-10.70	166.94	356.33	7.44	HS
	7489.00	58.92	2.12	7387.32	193.24	193.70	-9.69	193.94	357.14	6.06	9.6R
	7521.00	61.20	2.56	7403.29	220.97	221.40	-8.56	221.57	357.79	7.22	10.57R
	7553.00	63.75	3.09	7418.08	249.34	249.74	-7.16	249.85	358.36	8.10	7.3R
	7585.00	65.60	3.35	7431.76	278.26	278.62	-5.53	278.68	358.86	5.53	2.59R
	7616.00	67.44	3.44	7444.11	306.68	307.00	-3.85	307.03	359.28	5.94	3.07R
Survey 4-Jun-13	7648.00	70.61	3.62	7455.57	336.55	336.82	-2.01	336.83	359.66	9.92	7.97L
	7678.00	73.07	3.26	7464.92	365.04	365.27	-0.30	365.27	359.95	8.28	13.91L
	7710.00	75.10	2.74	7473.69	395.81	396.00	1.31	396.01	0.19	6.53	18.65L
	7742.00	77.65	1.86	7481.23	426.90	427.08	2.56	427.08	0.34	8.40	11.31L
	7774.00	81.16	1.15	7487.11	458.35	458.51	3.38	458.53	0.42	11.18	2.9L
Survey 5-Jun-13	7806.00	84.50	0.98	7491.11	490.09	490.25	3.97	490.27	0.46	10.45	5.24R
	7837.00	86.35	1.15	7493.58	520.99	521.15	4.54	521.17	0.50	5.99	5.49R
	7932.00	89.16	1.42	7497.30	615.90	616.04	6.67	616.08	0.62	2.97	52.35L
	8027.00	89.43	1.07	7498.47	710.88	711.01	8.74	711.07	0.70	0.47	68.88L
	8122.00	89.60	0.63	7499.27	805.86	806.00	10.15	806.06	0.72	0.50	36.87L
	8217.00	89.96	0.36	7499.64	900.83	900.99	10.97	901.06	0.70	0.47	HS
	8313.00	90.22	0.36	7499.49	996.79	996.99	11.57	997.06	0.66	0.27	124.69L
	8407.00	90.04	0.10	7499.27	1090.74	1090.99	11.95	1091.06	0.63	0.34	75.68R
	8502.00	90.40	1.51	7498.91	1185.72	1185.98	13.28	1186.05	0.64	1.53	HS
	8597.00	91.28	1.51	7497.52	1280.70	1280.93	15.79	1281.03	0.71	0.93	HS
	8692.00	91.80	1.51	7494.96	1375.67	1375.87	18.29	1375.99	0.76	0.55	168.86R
	8787.00	90.48	1.77	7493.07	1470.64	1470.81	21.01	1470.96	0.82	1.42	145.28R
	8882.00	89.08	2.74	7493.44	1565.64	1565.73	24.74	1565.92	0.91	1.79	60.56L
	8978.00	89.43	2.12	7494.69	1661.63	1661.63	28.81	1661.88	0.99	0.74	165R
	9073.00	88.46	2.38	7496.43	1756.61	1756.54	32.54	1756.84	1.06	1.06	HS
Survey 6-Jun-13	9168.00	88.64	2.38	7498.84	1851.58	1851.43	36.49	1851.79	1.13	0.19	78.96R
	9263.00	88.72	2.79	7501.03	1946.55	1946.31	40.77	1946.74	1.20	0.44	122.21L
	9358.00	88.55	2.52	7503.29	2041.51	2041.18	45.17	2041.68	1.27	0.34	62.02R
	9454.00	88.72	2.84	7505.58	2137.48	2137.05	49.66	2137.62	1.33	0.38	55.3L
	9549.00	88.90	2.58	7507.55	2232.45	2231.92	54.15	2232.58	1.39	0.33	45.81L
	9644.00	89.25	2.22	7509.08	2327.44	2326.82	58.13	2327.55	1.43	0.53	131.82R
	9739.00	89.08	2.41	7510.47	2422.42	2421.74	61.96	2422.53	1.47	0.27	76.35L
	9833.00	89.34	1.34	7511.76	2516.41	2515.68	65.04	2516.52	1.48	1.17	55.49L
	9929.00	89.78	0.70	7512.50	2612.40	2611.66	66.75	2612.51	1.46	0.81	46.59L
	10024.00	90.13	0.33	7512.58	2707.36	2706.65	67.60	2707.50	1.43	0.54	18.71R
Survey 7-Jun-13	10119.00	90.75	0.54	7511.85	2802.32	2801.65	68.32	2802.48	1.40	0.69	90R
	10214.00	90.75	0.72	7510.60	2897.29	2896.63	69.37	2897.46	1.37	0.19	145.94R
	10309.00	90.04	1.20	7509.95	2992.27	2991.62	70.96	2992.46	1.36	0.90	178.9L
	10403.00	89.52	1.19	7510.31	3086.26	3085.59	72.92	3086.46	1.35	0.55	53.53L
	10498.00	89.69	0.96	7510.96	3181.25	3180.58	74.70	3181.45	1.35	0.30	172.66R
	10593.00	88.37	1.13	7512.57	3276.22	3275.54	76.43	3276.44	1.34	1.40	49.84R
	10688.00	88.64	1.45	7515.05	3371.18	3370.49	78.57	3371.40	1.34	0.44	64.7L
	10783.00	88.90	0.90	7517.09	3466.14	3465.45	80.52	3466.38	1.33	0.64	18.76L
	10879.00	89.43	0.72	7518.49	3562.11	3561.42	81.87	3562.37	1.32	0.58	37.4R
	10974.00	89.60	0.85	7519.29	3657.09	3656.41	83.18	3657.36	1.30	0.23	74.75L

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (*/100ft)	TF (°)
	11068.00	89.78	0.19	7519.80	3751.05	3750.41	84.03	3751.35	1.28	0.73	138.37L
	11163.00	89.69	0.11	7520.24	3846.00	3845.41	84.28	3846.33	1.26	0.13	119.95R
	11258.00	89.16	1.03	7521.19	3940.97	3940.39	85.22	3941.32	1.24	1.12	115.32R
	11353.00	88.55	2.32	7523.09	4035.95	4035.33	88.00	4036.29	1.25	1.50	80.37L
	11448.00	88.64	1.79	7525.42	4130.92	4130.24	91.40	4131.25	1.27	0.57	51.18R
	11544.00	89.34	2.86	7527.11	4226.90	4226.15	95.13	4227.22	1.29	1.16	35.36L
	11638.00	89.96	2.22	7527.69	4320.89	4320.07	99.13	4321.20	1.31	0.81	90L
	11733.00	89.96	1.65	7527.75	4415.89	4415.01	102.34	4416.20	1.33	0.60	90L
	11828.00	89.96	1.30	7527.82	4510.89	4509.98	104.79	4511.20	1.33	0.37	35.54R
	11923.00	90.66	1.80	7527.31	4605.88	4604.94	107.36	4606.19	1.34	0.91	11.56L
	12019.00	91.10	1.71	7525.83	4701.87	4700.89	110.30	4702.18	1.34	0.47	HS
Final Survey	12039.00	91.19	1.71	7525.43	4721.87	4720.87	110.89	4722.18	1.35	0.45	HS
Proj to TD	12092.00	91.19	1.71	7524.33	4774.86	4773.84	112.47	4775.16	1.35	0.00	

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	20.000	Act Stns	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Cimarex Cottonwood Hills 32 State Com #2H Gyro+MWD 0ft to 12092ft
	20.000	1948.030	Act Stns	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Cottonwood Hills 32 State Com
	1948.030	6913.000	Act Stns	30.000	30.000	SLB_MWD-POOR	Original Borehole / Cimarex Cottonwood Hills 32 State Com
	6913.000	12039.000	Act Stns	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Cottonwood Hills 32 State Com
	12039.000	12092.000	Act Stns	30.000	30.000	SLB_BLIND+TREND	Original Borehole / Cimarex Cottonwood Hills 32 State Com

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 16, 2010

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 35-015-41084	Pool Code 97818	Pool Name Wildcat G-03 S252636M; Bone Spring
Property Code 39082	Property Name COTTONWOOD HILLS 32 STATE COM	Well Number 2H
UGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3248

Surface Location

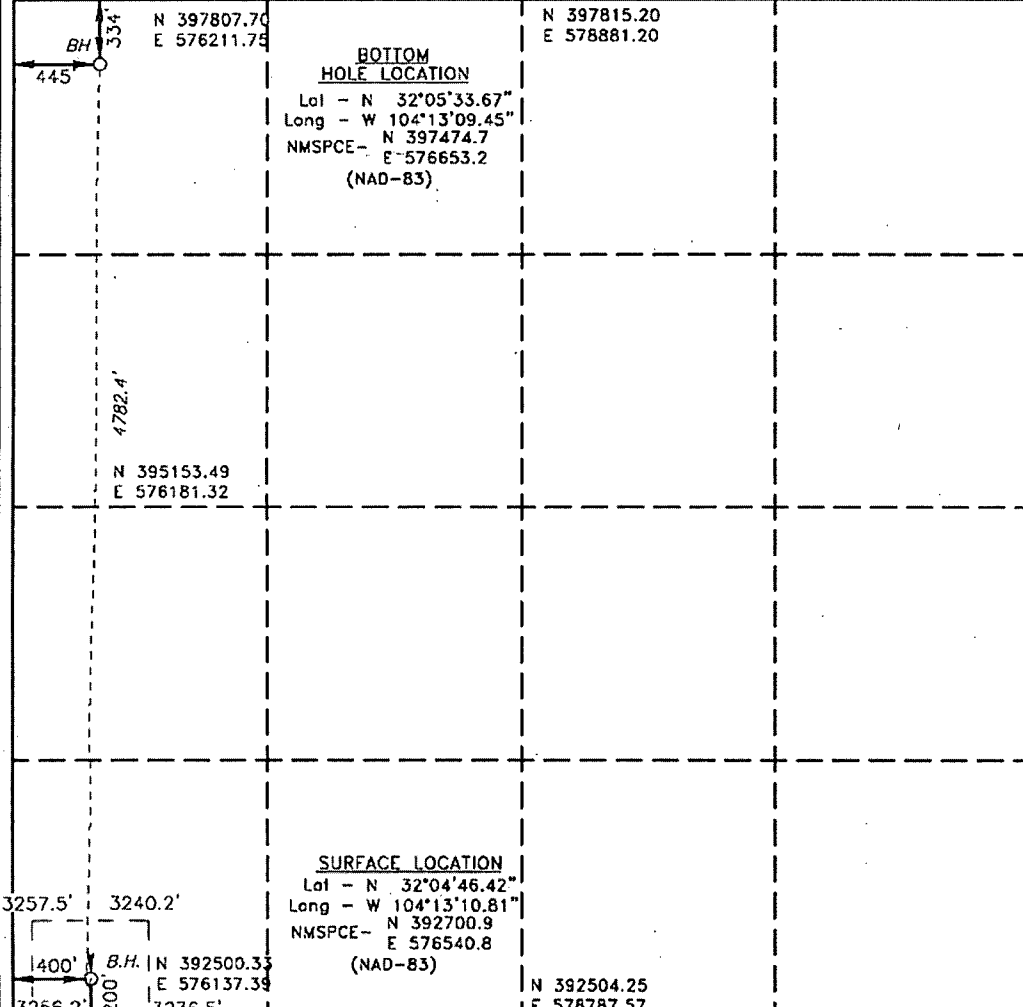
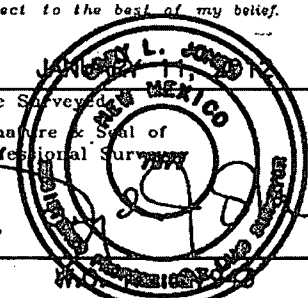
UL or lot No. M	Section 32	Township 25 S	Range 27 E	Lot Idn	Feet from the 200	North/South line SOUTH	Feet from the 400	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No. D	Section 32	Township 25 S	Range 27 E	Lot Idn	Feet from the 334	North/South line NORTH	Feet from the 445	East/West line WEST	County EDDY
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

 BOTTOM HOLE LOCATION Lot - N 32°05'33.67" Long - W 104°13'09.45" NMSPC - N 397474.7 E 576653.2 (NAD-83) SURFACE LOCATION Lot - N 32°04'46.42" Long - W 104°13'10.81" NMSPC - N 392700.9 E 576540.8 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Aricka Easterling</i> 8/21/13 Signature Date Aricka Easterling Printed Name aeasterling@cimarex.com Email Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date Surveyed Signature & Seal of Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 27943
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