

Survey Report

Report Date: January 26, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy LLC.	Vertical Section Azimuth: 270.450°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1625 Fed Com #322 / 1625 Fed Com #322	TVD Reference Datum: RKB
Well: 1625 Fed Com #322	TVD Reference Elevation: 0.0 ft relative to
Borehole: 1625 Fed Com #322	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.697°
Survey Name / Date: 1625 Fed Com #322_surveys / January 6, 2006	Total Field Strength: 49487.401 nT
Tort / AHD / DDI / ERD ratio: 134.837° / 4022.06 ft / 5.983 / 0.813	Magnetic Dip: 60.760°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: January 06, 2006
Location Lat/Long: N 32 52 37.767, W 104 30 3.539	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 682884.500 ftUS, E 489868.900 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.09100709°	Total Corr Mag North -> Grid North: +8.788°
Grid Scale Factor: 0.99991212	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	4415.50	1.49	87.52	4414.74	-33.60	-28.83	33.38	44.11	130.82	0.00	92.30M
	4426.00	1.40	92.30	4425.23	-33.87	-28.83	33.64	44.31	130.60	1.44	97.00M
	4457.00	0.80	97.00	4456.23	-34.46	-28.87	34.23	44.78	130.14	1.96	-76.20M
	4488.00	0.80	283.80	4487.23	-34.46	-28.85	34.24	44.77	130.12	5.15	-81.60M
	4519.00	4.00	278.40	4518.19	-33.18	-28.64	32.96	43.66	130.99	10.34	-80.90M
	4551.00	7.30	279.10	4550.04	-30.07	-28.15	29.85	41.03	133.33	10.31	-35.43G
	4583.00	9.30	270.70	4581.70	-25.47	-27.80	25.25	37.56	137.75	7.29	-3.99G
	4614.00	12.80	269.60	4612.12	-19.53	-27.79	19.31	33.85	145.21	11.31	-4.23G
	4645.00	16.20	268.70	4642.13	-11.77	-27.92	11.55	30.21	157.52	10.99	-2.29G
	4677.00	20.60	268.20	4672.48	-1.68	-28.19	1.46	28.23	177.04	13.76	-2.05G
	4707.00	25.40	267.80	4700.09	10.03	-28.61	-10.25	30.39	199.72	16.01	-4.64G
	4739.00	30.40	267.00	4728.36	24.97	-29.30	-25.21	38.65	220.71	15.67	-2.70G
	4770.00	35.30	266.60	4754.40	41.75	-30.24	-41.99	51.74	234.24	15.82	-8.42G
	4801.00	40.10	265.50	4778.92	60.65	-31.55	-60.89	68.58	242.61	15.63	-3.37G
	4833.00	44.90	265.10	4802.51	82.17	-33.33	-82.43	88.92	247.99	15.02	6.99G
	4864.00	49.90	265.90	4823.48	104.90	-35.11	-105.18	110.88	251.54	16.24	23.09G
	4895.00	53.70	267.90	4842.65	129.21	-36.42	-129.50	134.52	254.29	13.26	15.86G
	4927.00	58.20	269.40	4860.56	155.70	-37.03	-155.99	160.33	256.65	14.59	16.15G
	4958.00	62.50	270.80	4875.90	182.63	-36.98	-182.93	186.63	258.57	14.42	15.16G
	4989.00	64.50	271.40	4889.73	210.37	-36.44	-210.66	213.79	260.19	6.68	9.56G
	5020.00	67.80	272.00	4902.26	238.71	-35.60	-239.00	241.64	261.53	10.79	11.31G
	5051.00	71.60	272.80	4913.01	267.77	-34.38	-268.04	270.24	262.69	12.49	13.19G
	5083.00	74.90	273.60	4922.24	298.37	-32.67	-298.63	300.41	263.76	10.59	12.86G
	5114.00	77.90	274.30	4929.52	328.44	-30.59	-328.69	330.11	264.68	9.92	11.11G
	5146.00	78.90	274.50	4935.96	359.71	-28.19	-359.94	361.04	265.52	3.18	-9.31G
	5177.00	79.50	274.40	4941.77	390.09	-25.83	-390.30	391.15	266.21	1.96	-8.09G
	5209.00	83.70	273.80	4946.44	421.67	-23.56	-421.87	422.53	266.80	13.26	-9.87G
	5240.00	88.30	273.00	4948.60	452.55	-21.73	-452.73	453.25	267.25	15.06	0.00G
	5272.00	90.40	273.00	4948.97	484.51	-20.06	-484.68	485.10	267.63	6.56	11.31G
	5303.00	90.90	273.10	4948.61	515.48	-18.41	-515.64	515.97	267.96	1.64	-18.43G
	5334.00	91.20	273.00	4948.05	546.44	-16.76	-546.59	546.85	268.24	1.02	0.00G
	5366.00	91.40	273.00	4947.32	578.40	-15.08	-578.54	578.73	268.51	0.63	-71.55G
	5397.00	91.60	272.40	4946.51	609.37	-13.62	-609.49	609.64	268.72	2.04	-52.09G
	5428.00	92.30	271.50	4945.45	640.34	-12.57	-640.45	640.58	268.88	3.68	-90.00G
	5459.00	92.30	271.20	4944.21	671.31	-11.84	-671.42	671.53	268.99	0.97	-158.21G
	5490.00	91.80	271.00	4943.10	702.29	-11.24	-702.40	702.49	269.08	1.74	-6.33G
	5521.00	92.70	270.90	4941.88	733.26	-10.73	-733.37	733.45	269.16	2.92	-131.19G
	5552.00	92.00	270.10	4940.61	764.23	-10.46	-764.34	764.41	269.22	3.43	-99.46G

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	5580.00	91.90	269.50	4939.66	792.22	-10.56	-792.32	792.39	269.24	2.17	-108.43G
	5611.00	91.70	268.90	4938.69	823.19	-10.99	-823.30	823.38	269.24	2.04	-90.00G
	5642.00	91.70	268.70	4937.77	854.17	-11.64	-854.28	854.36	269.22	0.64	63.42G
	5674.00	91.80	268.90	4936.79	886.14	-12.31	-886.26	886.35	269.20	0.70	172.88G
	5736.00	91.00	269.00	4935.27	948.10	-13.45	-948.23	948.33	269.19	1.30	0.00G
	5799.00	91.00	269.00	4934.18	1011.07	-14.54	-1011.21	1011.32	269.18	0.00	-45.00G
	5860.00	91.10	268.90	4933.06	1072.04	-15.66	-1072.19	1072.31	269.16	0.23	161.57G
	5923.00	90.80	269.00	4932.01	1135.01	-16.82	-1135.17	1135.30	269.15	0.50	63.43G
	5986.00	91.00	269.40	4931.02	1197.98	-17.70	-1198.16	1198.29	269.15	0.71	63.42G
	6049.00	91.30	270.00	4929.76	1260.97	-18.03	-1261.15	1261.27	269.18	1.06	119.74G
	6112.00	90.90	270.70	4928.55	1323.95	-17.64	-1324.13	1324.25	269.24	1.28	141.34G
	6174.00	90.40	271.10	4927.85	1385.95	-16.67	-1386.12	1386.22	269.31	1.03	90.00G
	6237.00	90.40	271.30	4927.41	1448.94	-15.35	-1449.11	1449.19	269.39	0.32	116.56G
	6300.00	90.30	271.50	4927.02	1511.93	-13.81	-1512.09	1512.15	269.48	0.35	30.96G
	6364.00	90.80	271.80	4926.41	1575.91	-11.97	-1576.06	1576.10	269.56	0.91	0.00G
	6428.00	91.50	271.80	4925.12	1639.88	-9.96	-1640.01	1640.04	269.65	1.09	180.00G
	6491.00	90.90	271.80	4923.80	1702.85	-7.98	-1702.97	1702.98	269.73	0.95	7.12G
	6554.00	91.70	271.90	4922.37	1765.81	-5.94	-1765.92	1765.93	269.81	1.28	71.55G
	6618.00	91.80	272.20	4920.42	1829.76	-3.66	-1829.84	1829.85	269.89	0.49	44.98G
	6682.00	92.00	272.40	4918.30	1893.69	-1.09	-1893.76	1893.76	269.97	0.44	171.03G
	6746.00	90.10	272.70	4917.12	1957.63	1.76	-1957.68	1957.68	270.05	3.01	165.97G
	6809.00	89.70	272.80	4917.23	2020.58	4.78	-2020.61	2020.61	270.14	0.65	-167.01G
	6873.00	88.40	272.50	4918.30	2084.53	7.74	-2084.53	2084.54	270.21	2.08	-165.97G
	6936.00	87.60	272.30	4920.49	2147.45	10.38	-2147.44	2147.46	270.28	1.31	90.00G
	7000.00	87.60	272.60	4923.17	2211.36	13.11	-2211.32	2211.36	270.34	0.47	-45.00G
	7063.00	88.30	271.90	4925.43	2274.28	15.58	-2274.23	2274.28	270.39	1.57	-68.20G
	7126.00	88.50	271.40	4927.19	2337.24	17.39	-2337.18	2337.24	270.43	0.85	-30.97G
	7190.00	89.50	270.80	4928.30	2401.23	18.62	-2401.16	2401.23	270.44	1.82	-32.47G
	7254.00	90.60	270.10	4928.25	2465.23	19.12	-2465.15	2465.23	270.44	2.04	-45.00G
	7317.00	90.80	269.90	4927.48	2528.22	19.12	-2528.15	2528.22	270.43	0.45	-39.27G
	7380.00	91.90	269.00	4925.99	2591.19	18.52	-2591.13	2591.19	270.41	2.26	56.29G
	7444.00	92.10	269.30	4923.76	2655.14	17.57	-2655.08	2655.14	270.38	0.56	-170.54G
	7508.00	90.90	269.10	4922.09	2719.10	16.68	-2719.05	2719.10	270.35	1.90	-109.43G
	7571.00	90.30	267.40	4921.43	2782.05	14.75	-2782.02	2782.06	270.30	2.86	-135.00G
	7634.00	90.00	267.10	4921.26	2844.95	11.73	-2844.94	2844.97	270.24	0.67	38.66G
	7698.00	91.00	267.90	4920.70	2908.86	8.94	-2908.88	2908.89	270.18	2.00	-153.44G
	7761.00	90.60	267.70	4919.82	2971.79	6.52	-2971.83	2971.83	270.13	0.71	63.43G
	7825.00	90.70	267.90	4919.10	3035.71	4.07	-3035.77	3035.78	270.08	0.35	-90.00G
	7889.00	90.70	267.70	4918.31	3099.64	1.61	-3099.72	3099.72	270.03	0.31	96.33G
	7953.00	90.50	269.50	4917.64	3163.60	0.05	-3163.70	3163.70	270.00	2.83	-104.03G
	8016.00	90.30	268.70	4917.20	3226.58	-0.94	-3226.69	3226.69	269.98	1.31	98.97G
	8080.00	90.00	270.60	4917.04	3290.57	-1.34	-3290.68	3290.68	269.98	3.01	30.96G
	8144.00	91.00	271.20	4916.48	3354.57	-0.33	-3354.67	3354.67	269.99	1.82	66.02G
	8207.00	91.40	272.10	4915.16	3417.54	1.48	-3417.63	3417.63	270.02	1.56	-120.96G
	8271.00	91.10	271.60	4913.76	3481.50	3.55	-3481.58	3481.58	270.06	0.91	0.00G
	8335.00	91.50	271.60	4912.31	3545.47	5.34	-3545.54	3545.54	270.09	0.63	-153.44G
	8398.00	91.30	271.50	4910.77	3608.44	7.04	-3608.50	3608.51	270.11	0.35	-68.19G
	8462.00	91.50	271.00	4909.21	3672.42	8.43	-3672.46	3672.47	270.13	0.84	180.00G
	8525.00	91.30	271.00	4907.67	3735.40	9.53	-3735.44	3735.45	270.15	0.32	-158.20G
	8589.00	90.80	270.80	4906.50	3799.38	10.54	-3799.42	3799.43	270.16	0.84	165.96G
	8652.00	90.40	270.90	4905.84	3862.38	11.47	-3862.41	3862.42	270.17	0.65	-104.04G
	8716.00	90.30	270.50	4905.45	3926.38	12.26	-3926.40	3926.42	270.18	0.64	0.00G
Bit	8774.00	90.30	270.50	4905.14	3984.37	12.76	-3984.40	3984.42	270.18	0.00	0.00G

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
----------	-----------------------------	------------------------	--------------------	---------------	-------------------------------	--------------	--------------	-------------------	-------------------------------	-----------------------	----------------------