

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 & Natural Resources

Form C-102
Revised June 10, 2003

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

10 2007
OCD-ARTESIA

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34779	² Pool Code	³ Pool Name Cottonwood Creek - Wolfcamp
⁴ Property Code	⁵ Property Name 1625 Federal Com	⁶ Well Number 301
⁷ OGRID No. 218885	⁸ Operator Name LCX Energy, LLC	⁹ Elevation 3570.9' GR

¹⁰ Surface Location

UL or lot no. A	Section 30	Township 16S	Range 25E	Lot Idn	Feet from the 660	North/South line North	Feet from the 760	East/West line East	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. P	Section 30	Township 16S	Range 25E	Lot Idn	Feet from the 663	North/South line South	Feet from the 792	East/West line East	County Eddy
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

16						¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Kanicia Carrillo Printed Name Regulatory, kanicia@eeronline.com Title and E-mail Address 04/02/07 Date
						¹⁸ 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 of Survey Signature and Seal of Professional Surveyor Certificate Number

A Gyrodata Directional Survey

for

LCX ENERGY

Lease: 1625 Federal Common Well: No. 301, 4.5 " Drillpipe
Location: Big Dog Rig 2, Eddy County, New Mexico

Job Number: MD1206G_338

Run Date: 25 Dec 2006

Surveyor: Cody Dutton

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.899333 deg. N Longitude: 104.518139 deg. W

Azimuth Correction:

Gyro: 0.10000 deg East to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

Lcx Energy

Lease: 1625 Federal Common Well: No. 301, 4.5 Inch Drillpipe

Location: Big Dog Rig 2, Eddy County, New Mexico

Job Number: MD1206G_338

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0-4965 FEET RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4.5" DRILLPIPE. ALL MEASURED DEPTHS AND COORDINATES REFRENCED TO BIG DOG RIG 2'S R.K.B. R.K.B. EQUALS 17 FEET.							

110.00	0.20	151.43	S 28 34 E	0.18	110.00	0.2 151.4	0.17 S 0.09 E
290.00	0.94	141.47	S 38 32 E	0.41	289.99	2.0 144.0	1.60 S 1.16 E
470.00	1.05	169.05	S 10 57 E	0.27	469.96	5.0 151.3	4.37 S 2.39 E
650.00	1.01	204.78	S 24 47 W	0.35	649.94	7.7 164.6	7.42 S 2.04 E
831.72	1.03	217.99	S 38 0 W	0.13	831.63	10.2 178.0	10.16 S 0.36 E
1014.96	1.05	219.32	S 39 19 W	0.02	1014.84	12.9 187.7	12.76 S 1.72 W
1198.20	0.81	208.90	S 28 54 W	0.16	1198.05	15.6 192.6	15.20 S 3.41 W
1381.44	0.65	206.91	S 26 55 W	0.09	1381.28	17.8 194.6	17.26 S 4.51 W
1564.68	0.75	204.06	S 24 3 W	0.05	1564.50	20.0 195.8	19.28 S 5.47 W
1747.92	0.81	209.98	S 29 59 W	0.06	1747.73	22.5 197.1	21.50 S 6.60 W
1931.16	0.85	210.78	S 30 47 W	0.02	1930.95	25.1 198.5	23.78 S 7.94 W
2114.40	0.50	219.43	S 39 26 W	0.19	2114.18	27.2 199.7	25.57 S 9.15 W
2297.64	0.35	223.66	S 43 40 W	0.08	2297.41	28.4 200.7	26.60 S 10.05 W
2480.88	0.21	208.62	S 28 37 W	0.09	2480.65	29.3 201.2	27.31 S 10.61 W
2664.12	0.19	224.38	S 44 23 W	0.03	2663.89	29.9 201.5	27.83 S 10.98 W
2847.36	0.27	261.68	S 81 41 W	0.09	2847.13	30.4 202.5	28.10 S 11.62 W
3030.60	0.25	265.33	S 85 20 W	0.02	3030.36	30.8 203.8	28.20 S 12.46 W
3213.84	0.26	269.12	S 89 7 W	0.01	3213.60	31.2 205.2	28.24 S 13.28 W
3397.08	0.23	267.21	S 87 12 W	0.02	3396.84	31.6 206.5	28.26 S 14.07 W

A Gyrodata Directional Survey

Lcx Energy

Lease: 1625 Federal Common Well: No. 301, 4.5 Inch Drillpipe

Location: Big Dog Rig 2, Eddy County, New Mexico

Job Number: MD1206G_338

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
3580.32	0.08	247.57	S 67 34 W	0.09	3580.08	31.9 207.2	28.33 S 14.55 W
3763.56	0.09	77.40	N 77 24 E	0.09	3763.32	31.9 207.1	28.35 S 14.54 W
3946.80	0.26	97.78	S 82 13 E	0.10	3946.56	31.6 206.3	28.37 S 13.99 W
4130.04	0.70	93.00	S 87 0 E	0.24	4129.79	31.1 203.6	28.49 S 12.47 W
4313.28	1.45	80.55	N 80 33 E	0.43	4313.00	29.6 197.9	28.16 S 9.07 W
4496.52	1.70	77.19	N 77 11 E	0.15	4496.17	27.5 188.6	27.18 S 4.13 W
4679.71	1.51	82.40	N 82 24 E	0.13	4679.29	26.3 178.0	26.26 S 0.93 E
4863.00	1.42	83.32	N 83 19 E	0.05	4862.52	26.3 167.7	25.67 S 5.58 E
4950.50	1.36	82.70	N 82 42 E	0.07	4949.99	26.6 163.2	25.41 S 7.69 E

Final Station Closure: Distance: 26.55 ft Az: 163.17 deg.



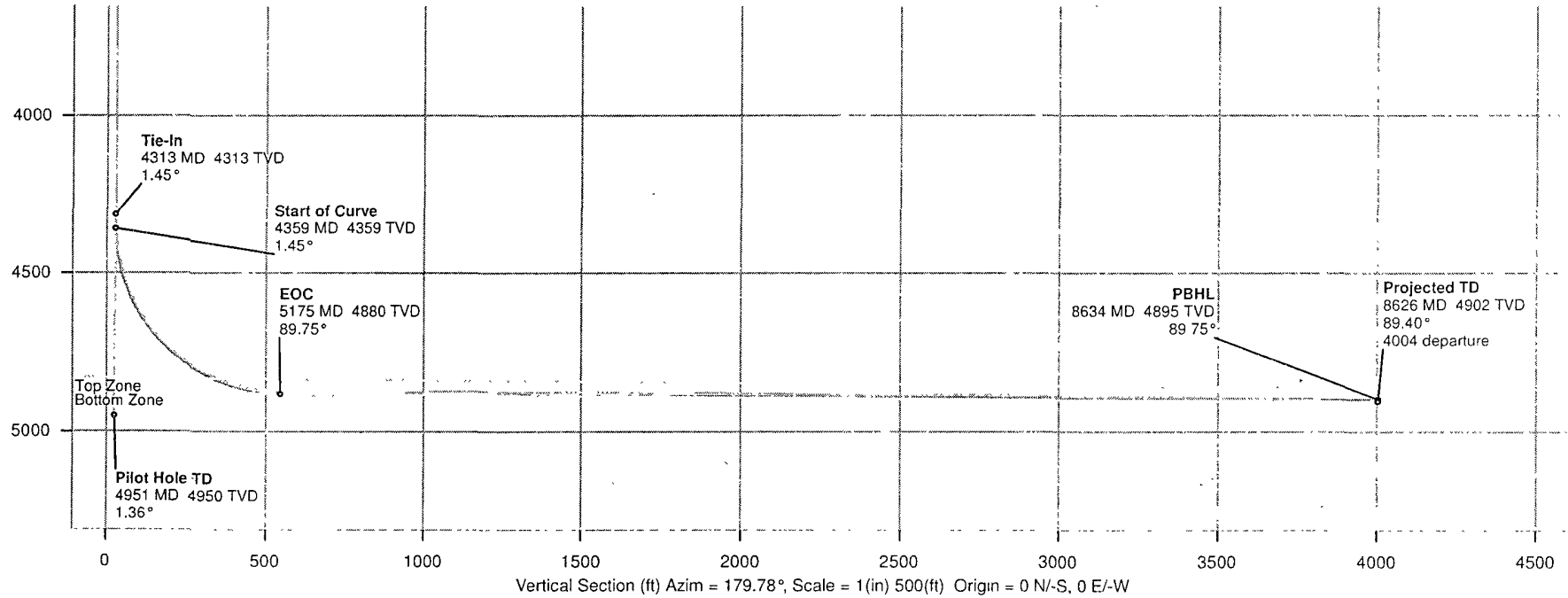
Survey Report

Report Date: January 11, 2007	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy LLC	Vertical Section Azimuth: 179.780°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1625 Fed Com #301 / 1625 Fed Com #301	TVD Reference Datum: RKB
Well: 1625 Fed Com #301	TVD Reference Elevation: 0.0 ft relative to
Borehole: 1625 Fed Com #301	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.590°
Survey Name / Date: 1625 Fed Com #301_surveys / January 2, 2007	Total Field Strength: 49403.808 nT
Tort / AHD / DDI / ERD ratio: 153.927° / 4020.08 ft / 6.037 / 0.820	Magnetic Dip: 60.758°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: January 02, 2007
Location Lat/Long: N 32 53 58.012, W 104 31 7.291	Magnetic Declination Model: IGRF 2005
Location Gnd N/E Y/X: N 691003.200 ftUS, E 484446.500 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.10068078°	Total Corr Mag North -> Grid North: +8.691°
Grid Scale Factor: 0.99991280	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)
Tie-In	4313.30	1.45	80.55	4313.02	28.12	-28.15	-8.99	29.55	197.71	0.43
	4332.00	2.50	125.60	4331.71	28.32	-28.35	-8.43	29.58	196.55	9.61
	4364.00	4.30	150.00	4363.65	29.77	-29.80	-7.26	30.67	193.69	7.10
	4395.00	7.00	158.70	4394.50	32.54	-32.56	-5.99	33.11	190.43	9.11
	4426.00	9.90	163.80	4425.16	36.87	-36.88	-4.56	37.16	187.05	9.65
	4458.00	12.60	168.80	4456.54	42.94	-42.95	-3.12	43.06	184.15	8.96
	4489.00	15.20	173.20	4486.63	50.30	-50.30	-1.98	50.34	182.25	9.05
	4520.00	18.10	175.50	4516.33	59.14	-59.14	-1.12	59.15	181.08	9.59
	4551.00	21.20	175.50	4545.52	69.53	-69.53	-0.30	69.53	180.25	10.00
	4583.00	24.10	176.20	4575.05	81.82	-81.82	0.59	81.82	179.59	9.10
	4614.00	27.20	176.80	4602.99	95.22	-95.22	1.40	95.23	179.16	10.03
	4645.00	30.80	177.40	4630.10	110.23	-110.22	2.16	110.24	178.88	11.65
	4677.00	34.60	178.30	4657.02	127.50	-127.49	2.80	127.53	178.74	11.97
	4708.00	38.20	180.00	4681.97	145.89	-145.88	3.06	145.92	178.80	12.06
	4739.00	41.90	180.10	4705.70	165.84	-165.83	3.04	165.86	178.95	11.94
	4770.00	45.70	179.20	4728.07	187.29	-187.28	3.18	187.31	179.03	12.42
	4802.00	49.60	178.20	4749.62	210.93	-210.92	3.72	210.95	178.99	12.40
	4833.00	53.40	179.10	4768.92	235.18	-235.17	4.29	235.21	178.96	12.47
	4864.00	57.10	179.90	4786.58	260.65	-260.63	4.51	260.67	179.01	12.12
	4896.00	60.90	180.90	4803.06	288.07	-288.06	4.31	288.09	179.14	12.17
	4927.00	64.40	181.20	4817.30	315.59	-315.58	3.80	315.60	179.31	11.32
	4958.00	67.90	181.70	4829.84	343.93	-343.92	3.09	343.93	179.49	11.39
	4990.00	71.50	181.80	4840.94	373.92	-373.91	2.17	373.92	179.67	11.25
	5021.00	74.90	181.70	4849.89	403.57	-403.57	1.26	403.57	179.82	10.97
	5084.00	79.30	180.80	4863.96	464.95	-464.95	-0.07	464.95	180.01	7.12
	5115.00	81.30	180.30	4869.18	495.50	-495.51	-0.37	495.51	180.04	6.64
	5146.00	83.60	180.20	4873.25	526.23	-526.23	-0.50	526.24	180.05	7.43
	5177.00	83.80	179.00	4876.65	557.04	-557.05	-0.28	557.05	180.03	3.90
	5240.00	86.30	178.60	4882.09	619.79	-619.79	1.03	619.79	179.90	4.02
	5301.00	88.40	178.30	4884.91	680.71	-680.70	2.68	680.71	179.77	3.48
	5363.00	89.00	177.20	4886.32	742.65	-742.64	5.11	742.65	179.61	2.02
	5426.00	93.60	177.20	4884.89	805.55	-805.53	8.19	805.57	179.42	7.30
	5488.00	93.50	177.30	4881.05	867.37	-867.34	11.16	867.41	179.26	0.23
	5551.00	93.90	178.30	4876.98	930.20	-930.16	13.57	930.26	179.16	1.71
	5613.00	92.50	179.00	4873.52	992.09	-992.04	15.03	992.16	179.13	2.52
	5676.00	91.70	180.20	4871.21	1055.05	-1055.00	15.47	1055.11	179.16	2.29
	5739.00	90.00	181.00	4870.28	1118.03	-1117.98	14.81	1118.08	179.24	2.98
	5801.00	87.30	181.70	4871.74	1179.99	-1179.94	13.35	1180.02	179.35	4.50

LCX Energy LLC.

WELL 1625 Fed Com #301			FIELD Eddy County, NM Nad 83			STRUCTURE 1625 Fed Com #301		
Magnetic Parameters Model IGRF 2005	Dip Mag Dec. 60.758° +8.580°	Date FS January 02 2007 49499.8 mT	Surface Location Lat N29 53 58.012 Lon W104 31 7.291	Northings NAD83 New Mexico State Plane 691003.20 NUS 484448.20 DUS	Eastings US Feet 0 10068078 Grid Conv Scale Fact 0.9999127272	Miscellaneous Slon 1625 Fed Com #301 Plan 1625 Fed Com #301 - 5/20/07	TVD Ref RKB (0.00 ft above)	Spot Date January 02, 2007

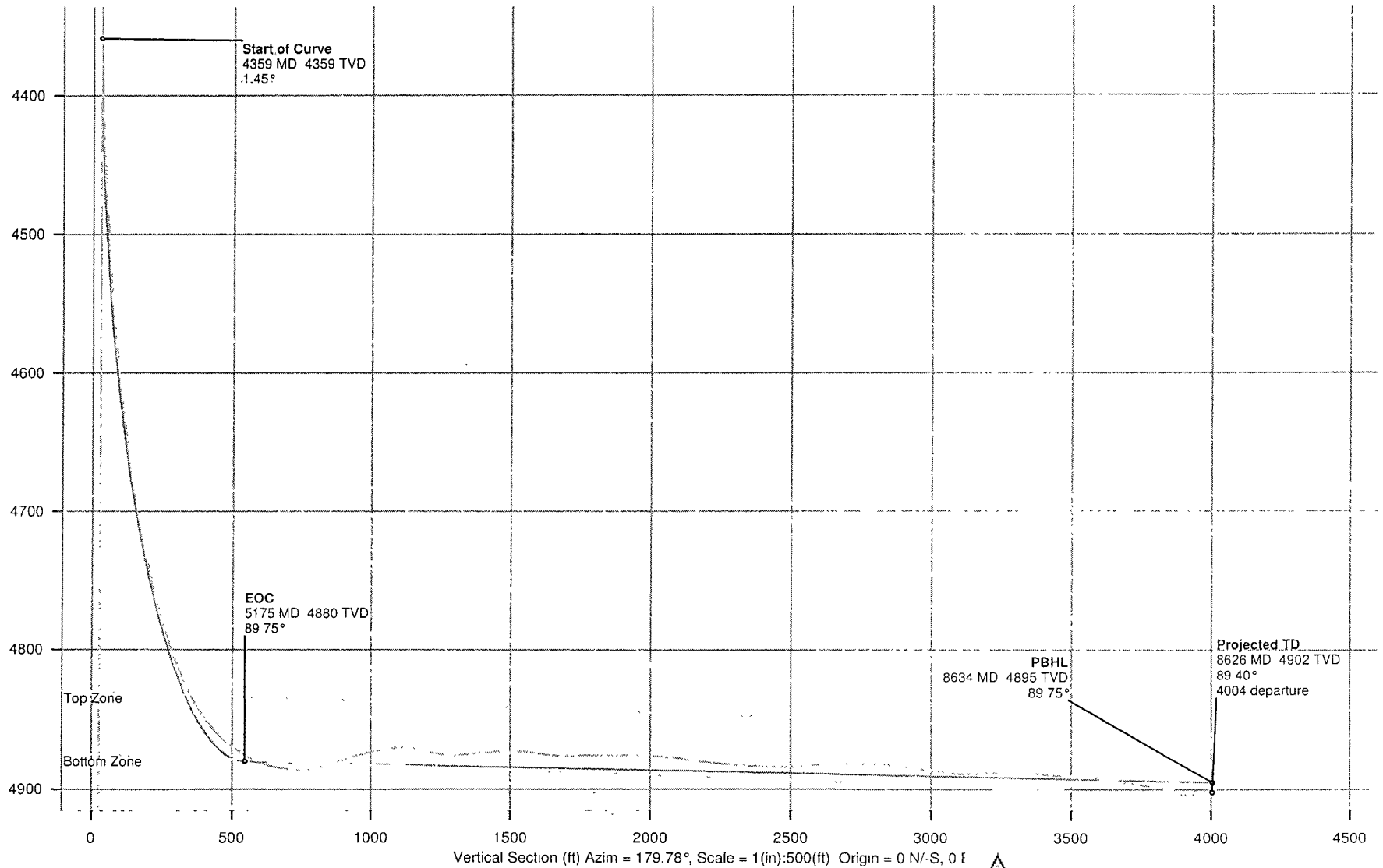


INTERDIR
Directional Drilling Specialists



LCX Energy LLC.

WELL	1625 Fed Com #301	FIELD	Eddy County, NM Nad 83	STRUCTURE	1625 Fed Com #301
Magnetics Parameters Model	IGRP 2005	Dip	60.756° Mag Dec. +8.501°	Date	January 02 2007 FS 49402.8 ft
Surface Location Lat	N29 53 54.012	Long	W104 31 7.891	Northings	E89302
NAD83 New Mexico State Planes	Eastem Zone US Feet	691003.20 NUS	0 10068076*	Scale Factor	0.999912722
Miscellaneous Stat	1625 Fed Com #301	TVD Ref	RKB 10.00 ft above 1	Stop Date	January 02, 2007



INTERBID
Directional Drilling Specialists



LCX Energy LLC.

WELL 1625 Fed Com #301			FIELD Eddy County, NM Nad 83			STRUCTURE 1625 Fed Com #301		
Magnetic Parameters	Dip	Date	Surface Location	Normaling	WAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous	TVD Ref	RKB (0.00 ft above)
Model IGRF 2005	60.758°	January, 02 2007	Lat N32 53 58.012	691003.20 NUS	Grid Conv. 0.10068078	Six 1625 Fed Com #301	1625 Fed Com #301	1625 Fed Com #301
Map Ref	Map Ref	FS	Long W104 31 7.621	689109.16	Surface Elev. 5152.127872	Sign	1625 Fed Com #301	1625 Fed Com #301

