

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO.
30-015-33055

5. Indicate Type of Lease
STATE ☒ FEE ☐

State Oil & Gas Lease No. 33039

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well.
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER ☐ 5 ?

b. Type of Completion:
NEW ☐ WORK ☐ DEEPEN ☒ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER

2. Name of Operator

LCX Energy, LLC

NOV 26 2007

3. Address of Operator

OCD-ARTESIA

110 N. Marienfeld, Ste 200, Midland, TX 79701

7. Lease Name or Unit Agreement Name

STATE 1624

8. Well No.

291

9. Pool name or Wildcat

COTTONWOOD CREEK; WOLFCAMP

4. Well Location

Unit Letter C : 660 Feet From The NORTH Line and 1980 Feet From The WEST Line

Section 29 Township 16S Range 24E NMPM County EDDY

10. Date Spudded
03/07/2006

11. Date T.D. Reached
03/14/2006

12. Date Compl. (Ready to Prod.)
06/27/2006

13. Elevations (DF& RKB, RT, GR, etc.)
3699' GR

14. Elev. Casinghead

15. Total Depth
7435' MD

16. Plug Back T.D.
7493' MD

17. If Multiple Compl. How Many
Zones?

18. Intervals
Drilled By ☒

Rotary Tools
Cable Tools ☐

19. Producing Interval(s), of this completion - Top, Bottom, Name
4565' - 7305' MD 4590' - 6185'

20. Was Directional Survey Made
YES

21. Type Electric and Other Logs Run
N/A

22. Was Well Cored
NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	168'	17 1/2"	305 CL C	CIRC TO SURFACE
9 5/8"	36#	1520'	12 1/4"	1080 CL C	12 SX TO SURFACE
7"	26#	4562'	8 3/4"	487 CL C	TOC @ 1660'
5 1/2"	17#	3685'	7"	N/A	N/A

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2"	3685'	7539'	285	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	4260'	4260'

26. Perforation record (interval, size, and number)

7450' - 6910' - 50
6725' - 6185' - 50
6005' - 5460' - 50
5310' - 4590' - 50

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	4300 BBL SLICKWATER, 3600 BBL CUT
	BRINE WATER, 500 BBL 15% HCl ACID,
	8000# 20/40, 29,300# LITE PROP 125/(20/40)

28

PRODUCTION

Date First Production 7/4/2006		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING			Well Status (Prod. or Shut-in) PRODUCING		
Date of Test 07/24/2006	Hours Tested 24	Choke Size 48/64	Prod'n For Test Period	Oil - Bbl 0	Gas - MCF 320	Water - Bbl. 0	Gas - Oil Ratio 0
Flow Tubing Press. 344	Casing Pressure PKR	Calculated 24- Hour Rate	Oil - Bbl. 0	Gas - MCF 320	Water - Bbl. 0	Oil Gravity - API - (Corr.) N/A	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

Test Witnessed By
BILLWALKER

30. List Attachments

HORIZONTAL

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature Vickie L. Gotcher

Printed
Name Vickie L. Gotcher Title Regulatory Analyst

Date 11/21/2007

E-mail Address vickie@eeronline.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northeastern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 182	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 1238	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 2791	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo 3462	T.	T. Wingate	T.
T. Wolfcamp 4258		T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 4238 to 4380
 No. 2, from to
 No. 3, from to
 No. 4, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet
 No. 2, from to feet
 No. 3, from to feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
1520	1600	80	Anhydrite, Dolomite, Shale				
1600	1640	40	Anhydrite, Dolomite, Sand, Sh				
1640	2040	400	Anhydrite, Dolomite, Shale				
2040	2170	130	Anhydrite, Dolo, Sand, Shale				
2170	2370	200	Dolomite, Anhydrite, Shale				
2370	2450	80	Dolomite, Anhydrite, Shale, Silt				
2450	2880	430	Dolomite, Anhydrite, Shale				
2880	3080	200	Dolomite, Anhydrite, Shale				
3080	3530	450	Dolomite, Anhydrite, Shale				
3530	3620	90	Shale, Dolomite				
3620	3730	110	Dolomite, Shale, Anhydrite				
3730	4050	320	Dolomite, Shale				
4050	4080	30	Dolomite, Anhydrite, Shale				
4080	4565	485	Dolomite, Shale				

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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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-33055	² Pool Code 33039	³ Pool Name Cottonwood-Creek; Wolfcamp
⁴ Property Code 33039	⁵ Property Name 1624 State	⁶ Well Number 291
⁷ OGRID No. 218885	⁸ Operator Name LCX Energy, LLC	⁹ Elevation 3699'

¹⁰ Surface Location

UL or lot no C	Section 29	Township 16S	Range 24E	Lot. Idn	Feet from the 660	North/South line North	Feet from the 1980	East/West line West	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no K	Section 29	Township 16S	Range 24E	Lot. Idn	Feet from the 1281'	North/South line South	Feet from the 1932.5	East/West line West	County Eddy
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¹² Dedicated Acres 320	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 1980' 1973 660' 1981' Penetration Point 4885' TUD 1932.5' 1281' BHL	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 David Printed Name Regulatory, kanicia@eeronline.com Title and E-mail Address 7/28/06 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 Surveyer Certificate Number

Survey Report

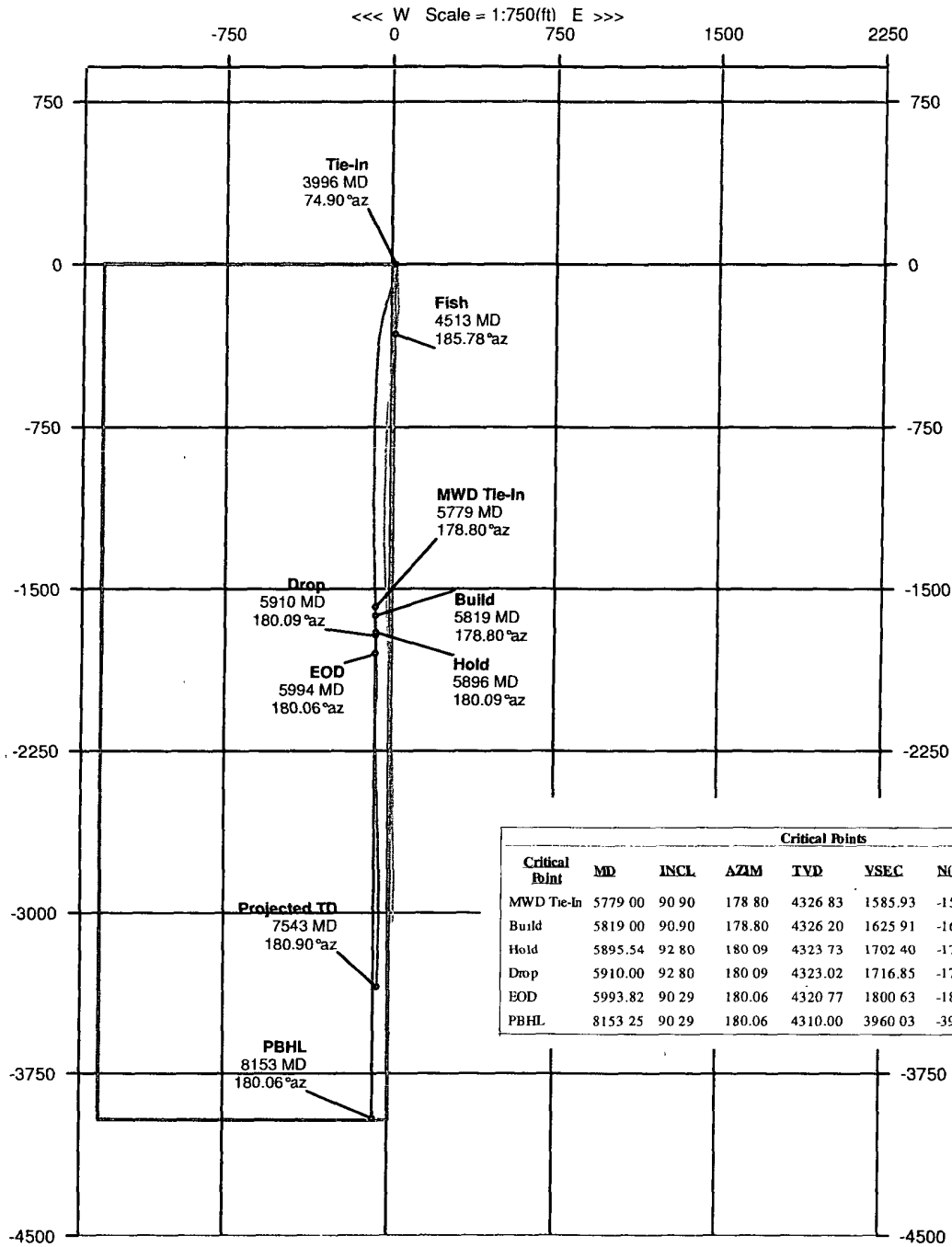
Report Date: April 25, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy	Vertical Section Azimuth: 180.000°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1624 State #291 / 1624 State #291	TVD Reference Datum:
Well: 1624 State #291	TVD Reference Elevation: 0 0 ft relative to
Borehole: 1624 State #291	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.728°
Survey Name / Date: 1624 State #291_surveys / March 8, 2006	Total Field Strength: 49470.497 nT
Tort / AHD / DDI / ERD ratio: 162.837° / 3360.76 ft / 5.979 / 0.776	Magnetic Dip: 60.756°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: March 08, 2006
Location Lat/Long: N 32 53 56.434, W 104 36 48 604	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 690908.000 ftUS, E 455346.800 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.15217672°	Total Corr Mag North -> Grid North: +8.880°
Grid Scale Factor: 0.99991756	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	3996.00	0.90	74.90	3995.90	-0.50	0.50	16.90	16.91	88.31	0.00	-175.00M
	4045.00	5.80	185.00	4044.82	1.87	-1.87	17.06	17.16	96.25	12.59	-33.18G
	4067.00	9.40	171.50	4066.62	4.75	-4.75	17.22	17.87	105.43	18.16	7.99G
	4099.00	18.10	175.40	4097.68	12.31	-12.31	18.01	21.81	124.35	27.33	20.71G
	4130.00	26.40	182.30	4126.35	24.02	-24.02	18.12	30.09	142.96	28.03	27.11G
	4162.00	33.20	188.50	4154.11	39.81	-39.81	16.54	43.11	157.44	23.30	30.16G
	4194.00	37.70	192.70	4180.17	58.03	-58.03	13.09	59.49	167.29	15.98	32.24G
	4226.00	41.90	196.60	4204.76	77.83	-77.83	7.88	78.23	174.22	15.26	16.75G
	4257.00	46.50	198.50	4226.98	98.43	-98.43	1.35	98.43	179.21	15.44	3.52G
	4289.00	51.60	198.90	4247.94	121.31	-121.31	-6.40	121.48	183.02	15.97	-4.69G
	4320.00	56.70	198.40	4266.09	145.11	-145.11	-14.42	145.83	185.68	16.50	-11.96G
	4353.00	61.70	197.20	4282.98	172.09	-172.09	-23.08	173.63	187.64	15.47	-26.59G
	4384.00	66.30	194.70	4296.57	198.88	-198.88	-30.72	201.23	188.78	16.51	-25.87G
	4416.00	70.80	192.40	4308.27	227.82	-227.82	-37.69	230.92	189.39	15.57	-15.22G
	4447.00	75.80	191.00	4317.18	256.89	-256.89	-43.70	260.58	189.65	16.70	-8.54G
	4479.00	80.40	190.30	4323.77	287.65	-287.65	-49.49	291.88	189.76	14.53	-21.76G
	4511.00	84.90	188.50	4327.87	318.96	-318.96	-54.67	323.61	189.73	15.13	-31.90G
	4543.00	88.60	186.20	4329.68	350.63	-350.63	-58.75	355.52	189.51	13.61	-38.66G
	4575.00	92.10	183.40	4329.49	382.51	-382.51	-61.43	387.41	189.12	14.01	-146.32G
	4639.00	91.80	183.20	4327.31	446.37	-446.37	-65.11	451.09	188.30	0.56	-158.62G
	4701.00	89.50	182.30	4326.60	508.29	-508.29	-68.08	512.83	187.63	3.98	0.00G
	4765.00	90.10	182.30	4326.83	572.24	-572.24	-70.65	576.58	187.04	0.94	-19.65G
	4828.00	91.50	181.80	4325.95	635.19	-635.19	-72.91	639.36	186.55	2.36	-164.06G
	4892.00	87.30	180.60	4326.62	699.16	-699.16	-74.25	703.09	186.06	6.82	6.01G
	4955.00	89.20	180.80	4328.54	762.12	-762.12	-75.02	765.80	185.62	3.03	-6.34G
	5018.00	91.00	180.60	4328.43	825.11	-825.11	-75.78	828.58	185.25	2.87	-146.31G
	5082.00	90.10	180.00	4327.82	889.11	-889.11	-76.12	892.36	184.89	1.69	180.00G
	5146.00	89.90	180.00	4327.82	953.11	-953.11	-76.12	956.14	184.57	0.31	0.00G
	5209.00	90.90	180.00	4327.38	1016.10	-1016.10	-76.12	1018.95	184.28	1.59	18.43G
	5273.00	91.20	180.10	4326.21	1080.09	-1080.09	-76.18	1082.78	184.03	0.49	-135.00G
	5336.00	91.00	179.90	4325.00	1143.08	-1143.08	-76.18	1145.62	183.81	0.45	-158.75G
	5399.00	89.20	179.20	4324.89	1206.08	-1206.08	-75.68	1208.45	183.59	3.07	-26.57G
	5462.00	90.20	178.70	4325.22	1269.06	-1269.06	-74.53	1271.25	183.36	1.77	-170.54G
	5526.00	88.40	178.40	4326.00	1333.04	-1333.04	-72.91	1335.03	183.13	2.85	8.75G
	5589.00	89.70	178.60	4327.04	1396.01	-1396.01	-71.26	1397.82	182.92	2.09	-90.00G
	5653.00	89.70	178.30	4327.38	1459.98	-1459.98	-69.53	1461.64	182.73	0.47	-11.31G
	5716.00	90.20	178.20	4327.43	1522.95	-1522.95	-67.60	1524.45	182.54	0.81	40.60G
	5779.00	90.90	178.80	4326.83	1585.93	-1585.93	-65.95	1587.30	182.38	1.46	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)
	5843.00	92.30	178.80	4325.04	1649.89	-1649.89	-64.61	1651.15	182.24	2.19	-90.00G
	5907.00	92.30	178.60	4322.47	1713.82	-1713.82	-63.16	1714.98	182.11	0.31	180.00G
	5970.00	90.20	178.60	4321.10	1776.78	-1776.78	-61.62	1777.85	181.99	3.33	-173.66G
	6034.00	89.30	178.50	4321.38	1840.76	-1840.76	-60.01	1841.74	181.87	1.41	-168.69G
	6097.00	88.80	178.40	4322.42	1903.73	-1903.73	-58.30	1904.62	181.75	0.81	180.00G
	6161.00	88.70	178.40	4323.82	1967.69	-1967.69	-56.52	1968.50	181.65	0.16	86.40G
	6224.00	89.30	187.70	4324.92	2030.52	-2030.52	-59.86	2031.40	181.69	14.79	-90.00G
	6288.00	89.30	179.40	4325.70	2094.33	-2094.33	-63.82	2095.31	181.75	12.97	-29.75G
	6351.00	90.00	179.00	4326.09	2157.33	-2157.33	-62.94	2158.24	181.67	1.28	-157.17G
	6415.00	88.10	178.20	4327.15	2221.30	-2221.30	-61.38	2222.14	181.58	3.22	1.85G
	6478.00	91.20	178.30	4327.53	2284.26	-2284.26	-59.46	2285.03	181.49	4.92	177.27G
	6553.00	89.10	178.40	4327.34	2359.22	-2359.22	-57.30	2359.92	181.39	2.80	-8.13G
	6616.00	89.80	178.30	4327.94	2422.19	-2422.19	-55.48	2422.83	181.31	1.12	-38.66G
	6680.00	90.30	177.90	4327.89	2486.16	-2486.16	-53.36	2486.73	181.23	1.00	161.56G
	6743.00	89.70	178.10	4327.89	2549.12	-2549.12	-51.16	2549.63	181.15	1.00	63.43G
	6807.00	89.90	178.50	4328.11	2613.09	-2613.09	-49.26	2613.55	181.08	0.70	-125.54G
	6870.00	89.40	177.80	4328.49	2676.05	-2676.05	-47.23	2676.47	181.01	1.37	38.66G
	6933.00	89.90	178.20	4328.88	2739.01	-2739.01	-45.03	2739.38	180.94	1.02	149.04G
	6996.00	89.40	178.50	4329.26	2801.99	-2801.99	-43.22	2802.32	180.88	0.93	32.01G
	7056.00	90.20	179.00	4329.47	2861.97	-2861.97	-41.91	2862.28	180.84	1.57	66.80G
	7119.00	90.50	179.70	4329.09	2924.97	-2924.97	-41.19	2925.26	180.81	1.21	111.80G
	7183.00	90.10	180.70	4328.75	2988.96	-2988.96	-41.42	2989.25	180.79	1.68	165.96G
	7244.00	89.70	180.80	4328.86	3049.96	-3049.96	-42.22	3050.25	180.79	0.68	99.46G
	7308.00	89.60	181.40	4329.25	3113.95	-3113.95	-43.44	3114.25	180.80	0.95	-33.69G
	7371.00	90.20	181.00	4329.36	3176.93	-3176.93	-44.76	3177.25	180.81	1.14	-161.56G
	7435.00	89.90	180.90	4329.31	3240.92	-3240.92	-45.82	3241.25	180.81	0.49	0.00G
Projected TD	7543.00	89.90	180.90	4329.49	3348.91	-3348.91	-47.52	3349.25	180.81	0.00	0.00G

LCX Energy

WELL	1624 State #291	FIELD	Eddy County, NM	STRUCTURE	1624 State #291
Magnetic Parameters Model IGRF 2005		Surface Location Lat N32 53 56 434 Lon W104 36 48 604		Miscellaneous Slot 1624 State #291 Plan 1624 State #291 surveys	
Dip 60 756* Mag Dec +8 728*		Date March 08, 2006 FS 49470 5 nT		TVD Ref (0 00 ft above) Wed 08 20 AM March 08, 2006	
		NADE3 New Mexico State Planes, Eastern Zone, US Feet Northing 690908 00 ftUS Easting 455346 60 ftUS Grid Conv -0 15217672* Scale Factor 9999175584			

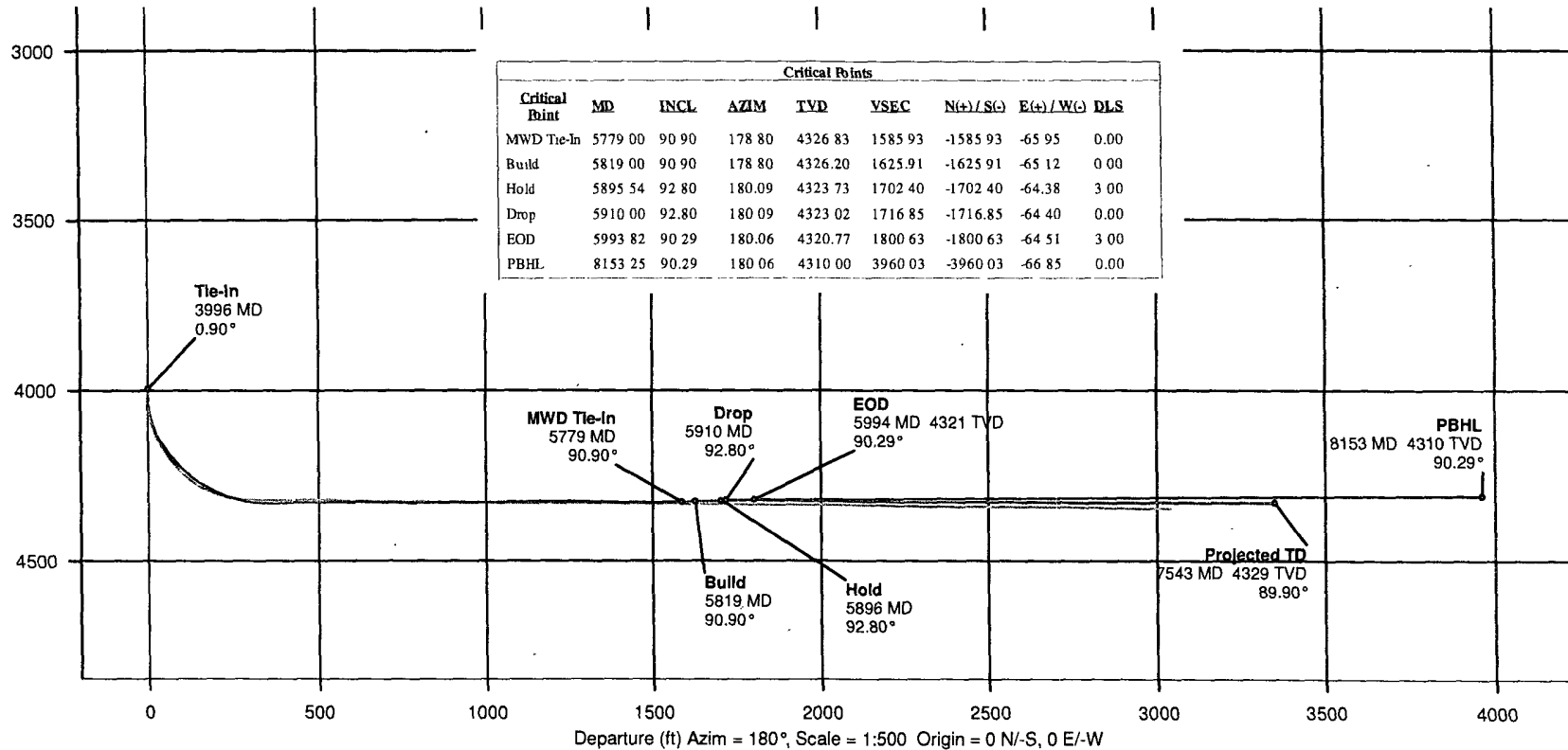


INTREPID
Directional Drilling Specialists



LCX Energy

WELL 1624 State #291			FIELD Eddy County, NM			STRUCTURE 1624 State #291		
Magnetic Parameters Model IGRF 2005			Surface Location Lat N32 53 56 434 Lon W104 35 48 604			Miscellaneous Slot 1624 State #291 Plan 1624 State #291 surveys		
Dip 60 756° Mag Dec +8 728°	Date March 08, 2006 FS 48470 5 nT		Northg 690908 00 HUS Easting 455346 80 HUS	Grid Conv -0 15217672° Scale Fact. 0 9999175584		TVD Ref (0 00 ft above) Srvy Date Wed 08 20 AM March 08, 2006		



INTREPID
Directional Drilling Specialists

