

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District II
1000 Rio Brazos Blvd, Aztec, NM 87410
District II
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address LCX ENERGY, LLC. 110 NORTH MARIENFELD SUITE 200 MIDLAND, TEXAS 79701		OGRID Number 218885
Property Code 36200	Property Name 1625 STATE COM.	Well No. 181
Proposed Pool 1 (75250) COTTONWOOD CREEK-WOLFCAMP		Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	16S	25E		660'	SOUTH	760'	EAST	EDDY

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	16S	25E		660'	NORTH	760'	EAST	EDDY

Additional Well Information

Work Type Code N	Well Type Code G	Cable/Rotary ROTARY	Lease Type Code P & S VA-2580	Ground Level Elevation 3571'
Multiple NO	Proposed Depth Md-9728 TVD-4960	Formation WOLFCAMP	Contractor BIG DOG DRILLING	Spud Date WHEN APPROVED
Depth to Groundwater 100'+		Distance from nearest fresh water well 1.2 Mi Southwest of location		Distance from nearest surface water None known
Liner: Synthetic ☒ 12 mils thick Clay ☐		Pit Volume: 18Mbbbls		
Closed-Loop System ☐		Drilling Method: Fresh Water ☒ Brine ☒ Diesel Oil-based ☐ Gas/Air ☐		

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	NA	40'	Redi-mix	Surface
17 1/2"	13 3/8"	48#	350'	450 Sx.	Surface
12 1/4"	9 5/8"	36#	1200'	475 Sx.	Surface
8 3/4"-7 7/8"	5 1/2"	17#	MD-9728' TVD-4960'	600 Sx.	Est TOC 1000' *

** Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

* Verify by CBL or Temp Survey

SEE ATTACHED SHEET

NOTIFY OCD OF SPUD & TIME
TO WITNESS CEMENTING OF
SURFACE CASING

Intermediate

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved by: BRYAN G. ARANT	
Title: Agent		DISTRICT II GEOLOGIST	
E-mail Address: joejanica@valornet.com		Approval Date: DEC 15 2006	
Date: 12/12/06		Expiration Date: DEC 15 2007	
Phone: 505-391-8503		Conditions of Approval Attached ☐	

LCX ENERGY, LLC
110 N. Marienfeld St., Suite 200
Midland, TX 79701

**Horizontal Drilling Procedure
Abo Wildcat Horizontals
(Eddy Co., NM)**

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17-1/2" hole to 350'.
3. Drill 12-1/4" hole to 1200'. Run and set 1200' of 9-5/8" 36# J-55 ST&C casing. Cement with 375 sx of 35/65 Poz/C + 5% NaCl + 6% Bentonite, tail in with 100 sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
4. Drill 7-7/8" or 8-3/4" hole to approx. 5000'. Set cement kick-off plug from TD to approx. 4400 ft with 150 sx H + 0.5% dispersant.
5. Dress cement top to desired kick-off point. Drill 7-7/8" curve and land lateral in pay zone (approx. 4900 ft TVD). Pickup lateral drilling assembly with an 8-3/4" or 7-7/8" bit and drill a +/-4000' lateral to 660' from lease line (approx. 4000 ft vertical section).
6. Run and set 5-1/2" 17# N80 or stronger production casing. Cement 5-1/2" with acid soluble cement through the lateral and 400 sx 50/50 Poz/C + 10% gel and tail in with 200 sx C + 200% CaCO₃ (acid soluble cement) + fluid loss additive + retarder (as required), attempting to bring top of cement to 1,000'.

Contingency Strings:

If lost circulation occurs in the surface hole:

- 2a. Run and set 350' of 13-3/8" 48# H-40 ST&C casing. Cement with 200 sx 35/65 Poz/C + 6% gel and tail in with 200 sx of Class "C" cement + 2% CaCl, circulate cement to surface.

If hole conditions dictate running a 7" contingency string in the 8-3/4" hole :

- 4a. Run approx. 5100 ft 7" 26# J55 or stronger casing to TD. Cement with 700 sx class 'C' cement + add's attempting bringing TOC to approx. 1,000 ft. This may be done in the vertical pilot hole or at the end of the 8-3/4" curve section.
- 4b. Run whipstock and cut a window in the 7" casing (or drill out with 6-1/8" BHA if 7" set at end of curve). Drill to TD.
- 5a. Step 5 will be omitted.
- 6a. Run and set approximately 4400 ft 4-1/2" 11.6# N/L80 liner from TD to approximately 200' above the window/7" casing shoe. Cement with approx. 110 sx C + 200% CaCO₃ (acid soluble cement) + add's attempting to bring TOC above liner top.

 FRESH WATER WILL BE USED TO DRILL THE 350' HOLE AND THE 1200' HOLE.

THERE IS NO KNOWN PRESENCE OF ANY H₂S IN THIS AREA. OTHER WELLS DRILLED HAVE NOT ENCOUNTERED ANY HYDROGEN SULFIDE WHILE DRILLING.

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

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87504-2088



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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 75250	Pool Name COTTONWOOD CREEK-WOLFCAMP
Property Code	Property Name 1625 STATE COM	Well Number 181
OGRID No. 218885	Operator Name LCX ENERGY	Elevation 3571'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	16 S	25 E		660	SOUTH	760	EAST	EDDY

Bottom Hole Location If Different From Surface

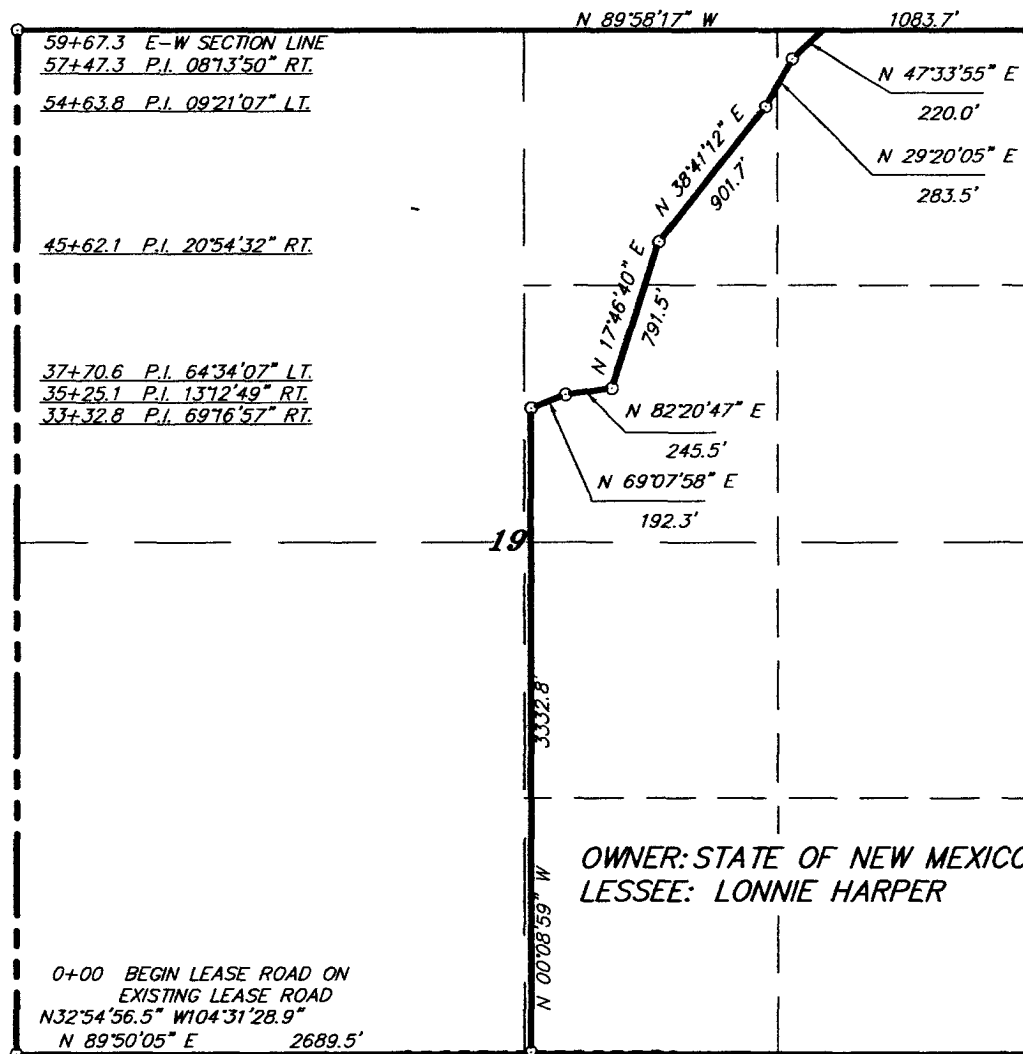
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	16 S	25 E		660	NORTH	760	EAST	EDDY

Dedicated Acres 320	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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 12/12/06 Date
	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. NOVEMBER 10, 2006 Date Surveyed Signature of Gary L. Jones Professional Surveyor 7977 No. 17396 Certificate No. Gary L. Jones 7977 JLP BASIN SURVEYS

**SECTION 19, TOWNSHIP 16 SOUTH, RANGE 25 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.**



LEGAL DESCRIPTION

A STRIP OF LAND 20.0 FEET WIDE, LOCATED IN SECTION 19, TOWNSHIP 16 SOUTH, RANGE 25 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING 10.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

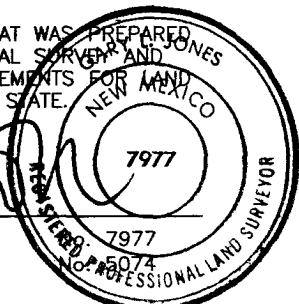
BEGINNING AT A POINT WHICH LIES N.89°50'05"E., 2689.5 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 19; THENCE N.00°08'59"W., 3332.8 FEET; THENCE N.69°07'58"E., 192.3 FEET; THENCE N.82°20'47"E., 245.5 FEET; THENCE N.17°46'40"E., 791.5 FEET; THENCE N.38°41'12"E., 901.7 FEET; THENCE N.29°20'05"E., 283.5 FEET; THENCE N.47°33'55"E., 220.0 FEET TO A POINT ON THE NORTH SECTION LINE WHICH LIES N.89°58'17"W., 1083.7 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 19. SAID STRIP OF LAND BEING 5967.3 FEET OR 361.65 RODS IN LENGTH AND CONTAINS 2.74 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 SE/4	79.71 RODS	0.60 ACRES	SW/4 NE/4	102.25 RODS	0.77 ACRES	NE/4 NE/4	23.25 RODS	0.18 ACRES
NW/4 SE/4	80.25 RODS	0.61 ACRES	NW/4 NE/4	76.19 RODS	0.58 ACRES			

TOTAL 5967.3 FEET = 361.65 RODS = 2.74 ACRES

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES
N.M. P.S.
TEXAS P.L.S.



BASIN SURVEYS P.O. BOX 1786—HOBBS, NEW MEXICO

W.O. Number: 17396 Drawn By: James Presley

Date: 11/20/06 Disk: JLP #1 — LCX17396

1000 0 1000 2000 FEET



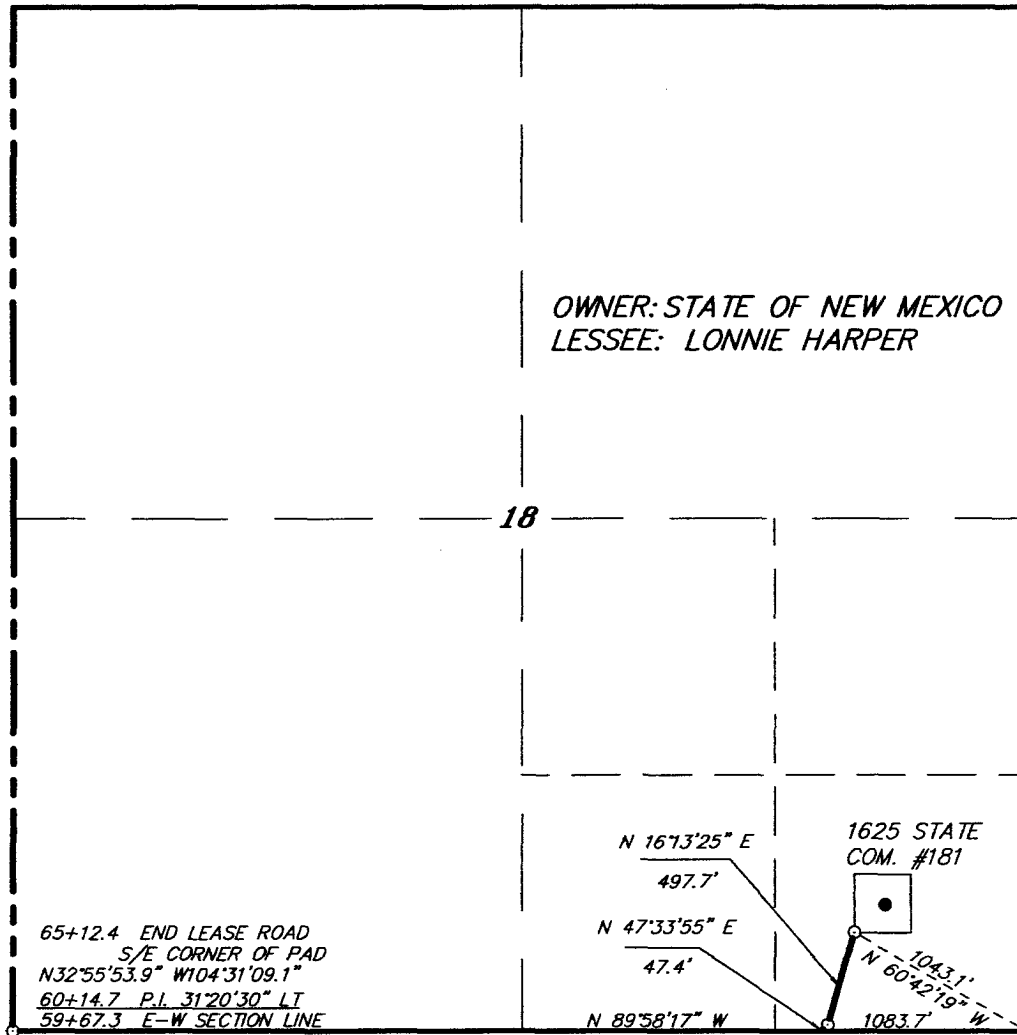
LCX ENERGY

REF: PROPOSED ROAD TO THE LCX-1625 STATE COM #181

A PIPELINE CROSSING STATE LAND IN
SECTION 19, TOWNSHIP 16 SOUTH, RANGE 25 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 11/15/06 Sheet 1 of 2 Sheets

SECTION 18, TOWNSHIP 16 SOUTH, RANGE 25 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



LEGAL DESCRIPTION

A STRIP OF LAND 20.0 FEET WIDE, LOCATED IN SECTION 18, TOWNSHIP 16 SOUTH, RANGE 25 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING 10.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT ON THE SOUTH SECTION LINE WHICH LIES N.89°58'17"W, 1083.7 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 18; THENCE N.47°33'55"E, 47.4 FEET; THENCE S.16°13'25"E, 497.7 FEET TO A POINT WHICH LIES N.60°42'19"W, 1043.1 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 18. SAID STRIP OF LAND BEING 545.1 FEET OR 33.04 RODS IN LENGTH AND CONTAINING 0.25 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

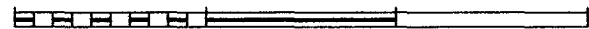
SE/4 SE/4 33.04 RODS 0.25 ACRES

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES N.M. P.S.
TEXAS P.L.S.



1000 0 1000 2000 FEET



LCX ENERGY

REF: PROPOSED ROAD TO THE LCX-1625 STATE COM #181

A PIPELINE CROSSING STATE LAND IN
SECTION 18, TOWNSHIP 16 SOUTH, RANGE 25 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

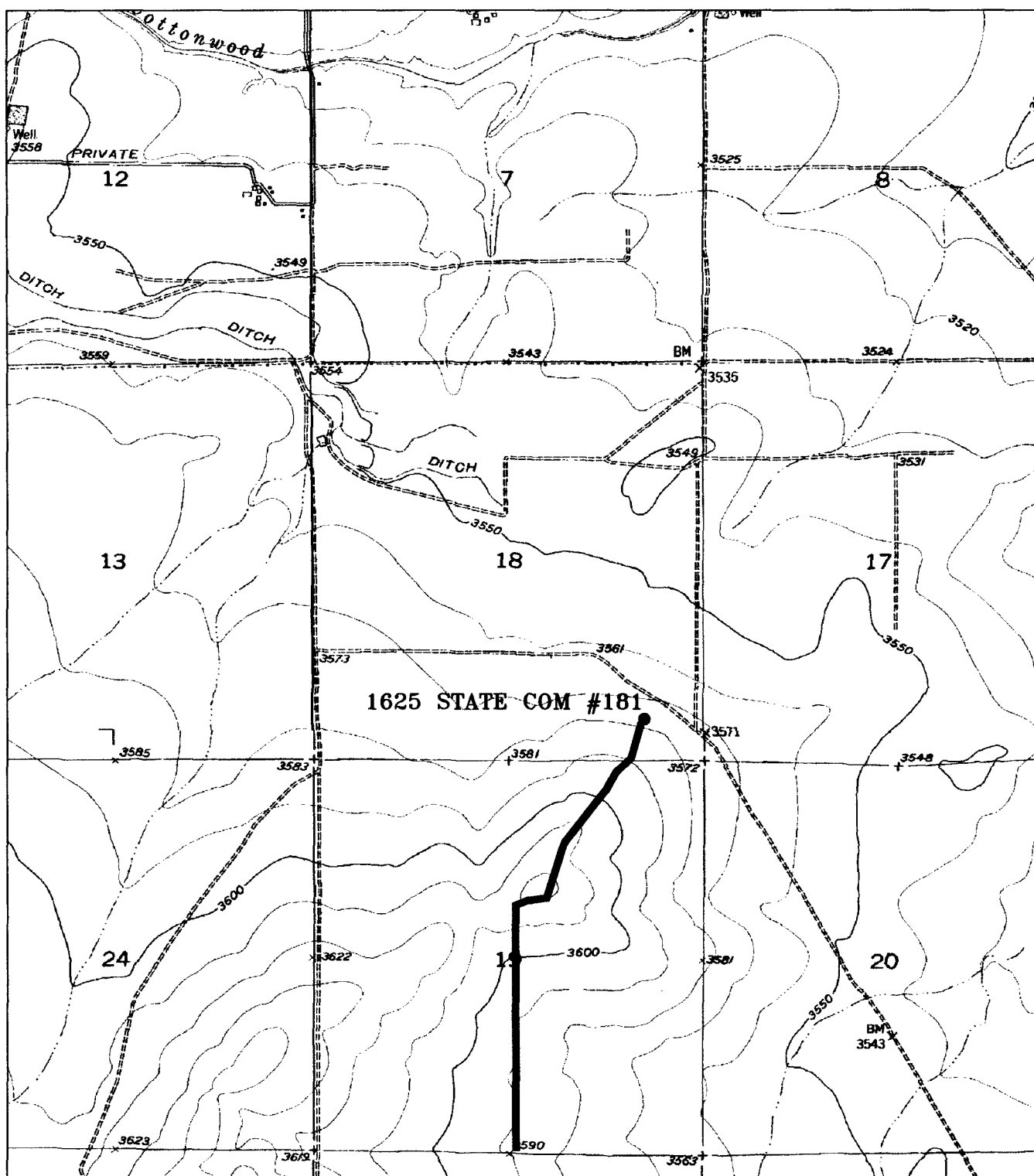
BASIN SURVEYS P.O. BOX 1786—HOBBS, NEW MEXICO

W.O. Number: 17396 Drawn By: James Presley

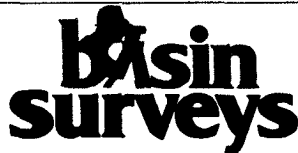
Date: 11/20/06 Disk: JLP #1 — LCX17396

Survey Date: 11/15/06

Sheet 2 of 2 Sheets



PROPOSED ROAD TO THE LCX-1625 STATE COM #181
 Sections 18&19, Township 16 South, Range 25 East,
 N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basinsurveys.com

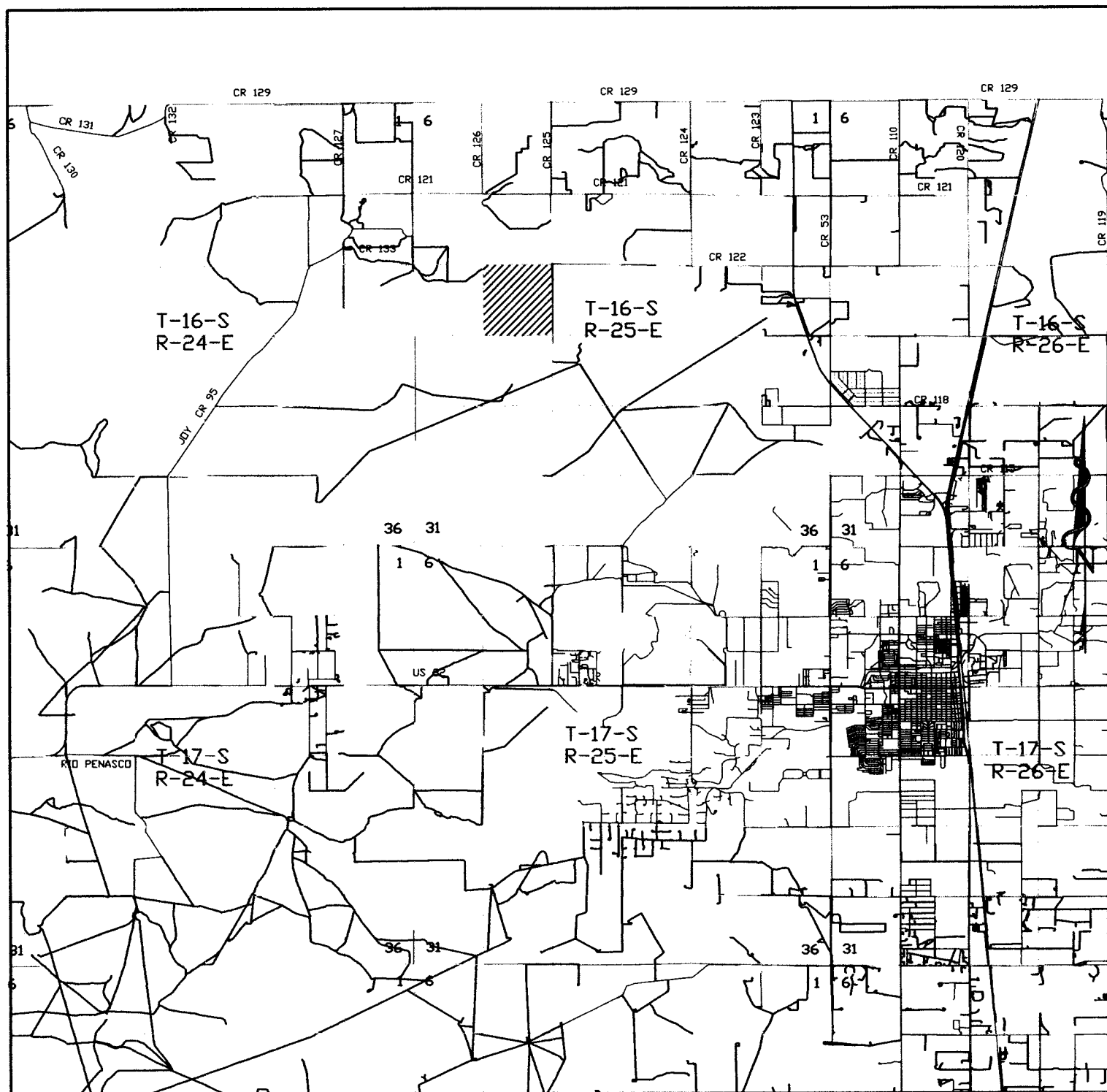
W.O. Number: 17396

Survey Date: 11/15/06

Scale: 1" = 2000'

Date: 11/20/06

LCX ENERGY



1625 STATE COM. #181

Located at 660' FSL and 760' FEL
 Section 18, Township 16 South, Range 25 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys

focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basinsurveys.com

W.O. Number: 17396AA - JLP CD#1

Survey Date: 11/10/06

Scale: 1" = 2000'

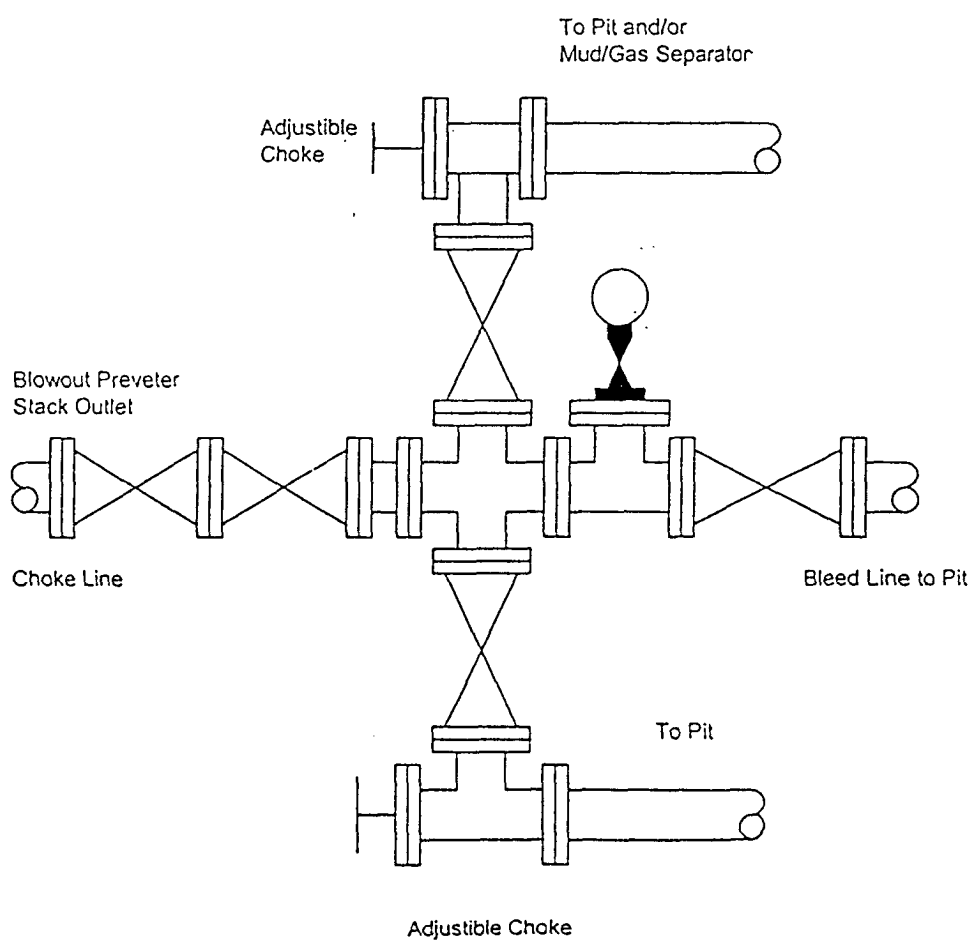
Date: 11/13/06

LCX
ENERGY

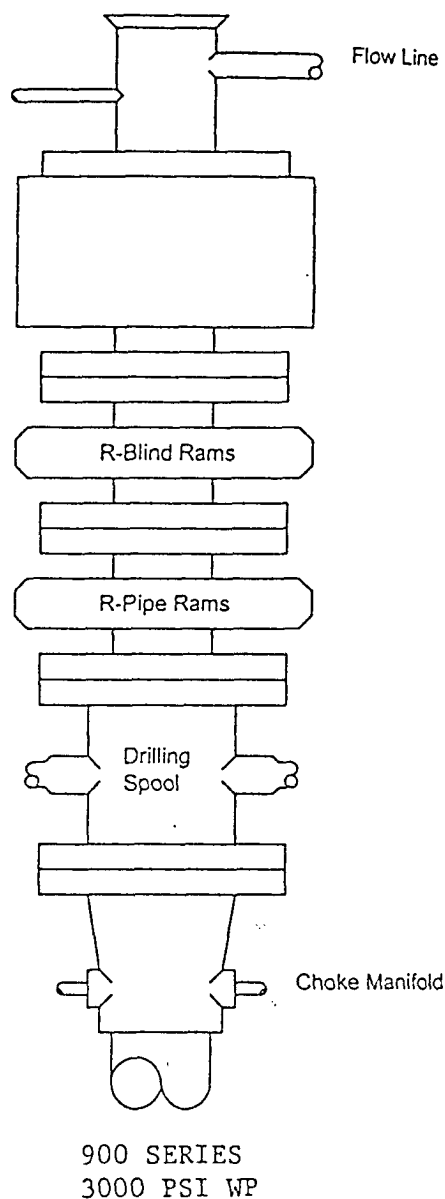
BLOWOUT PREVENTER SYSTEM

3000 PSI

Choke Manifold Assembly for 5M WP System



Fill Line



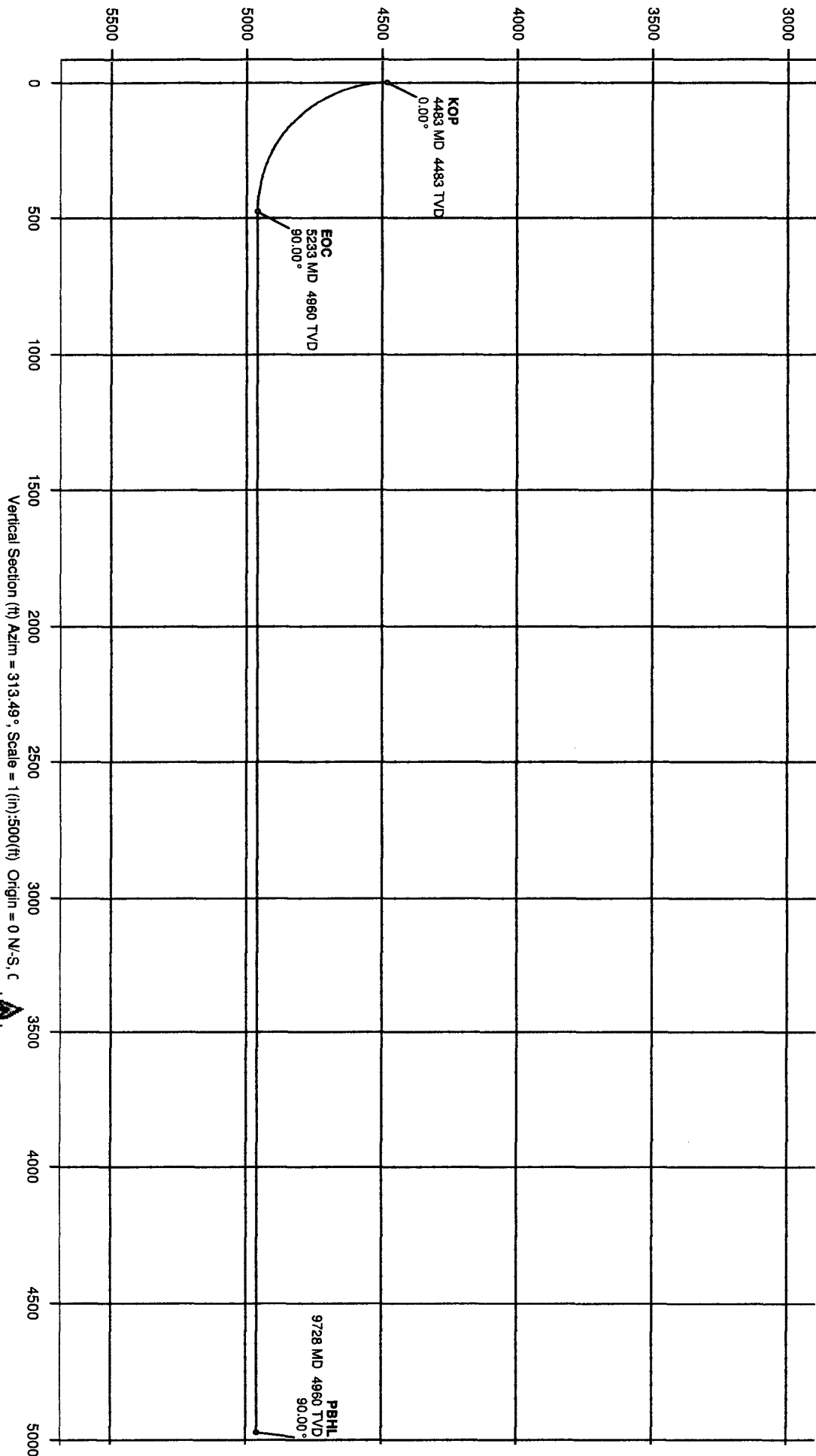
LCX Energy

WELL 1625 State Com #181

FIELD Eddy County, NM Nad 83

STRUCTURE 1625 State Com #181

Measured Parameters Model (DPR 2005)	Dip: 60.77° Mag Dec: -8.59°	Date: December 08, 2006 FS: 49421.4 FT	Survey Location Lat: NAD 83 3.500 Lon: W 104.31 7.200	UTM Zone NAD 83 Zone 18 S Easting: 44457.35 M Scale Factor: 0.999971958	Location Site: 1625 State Com #181 File: 1625 State Com #181.1	TVD Ref: BNG (0.00 1 above) Survey Date: December 08, 2006
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INTREPID
Directional Drilling Specialists



Proposal



Report Date:	December 8, 2006	Survey / DLS Computation Method:	Minimum Curvature / Lubinski
Client:	LCX Energy	Vertical Section Azimuth:	313.490°
Field:	Eddy County, NM Nad 83	Vertical Section Origin:	N 0.000 ft, E 0.000 ft
Structure / Slot:	1625 State Com #181 / 1625 State Com #181	TVD Reference Datum:	RKB
Well:	1625 State Com #181	TVD Reference Elevation:	0.0 ft relative to
Borehole:	1625 State Com #181	Sea Bed / Ground Level Elevation:	0.000 ft relative to
UWI/API#:		Magnetic Declination:	8.599°
Survey Name / Date:	1625 State Com #181_r1 / December 8, 2006	Total Field Strength:	49421.374 nT
Tort / AHD / DDH / ERD ratio:	90.000° / 4973.28 ft / 5.943 / 1.003	Magnetic Dip:	60.776°
Grid Coordinate System:	NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date:	December 08, 2006
Location Lat/Long:	N 32 55 3.500, W 104 31 7.300	Magnetic Declination Model:	IGRF 2005
Location Grid N/E Y/X:	N 697621.554 ftUS, E 484457.350 ftUS	North Reference:	Grid North
Grid Convergence Angle:	-0.10073158°	Total Corr Mag North > Grid North:	+8.700°
Grid Scale Factor:	0.99991280	Local Coordinates Referenced To:	Well Head

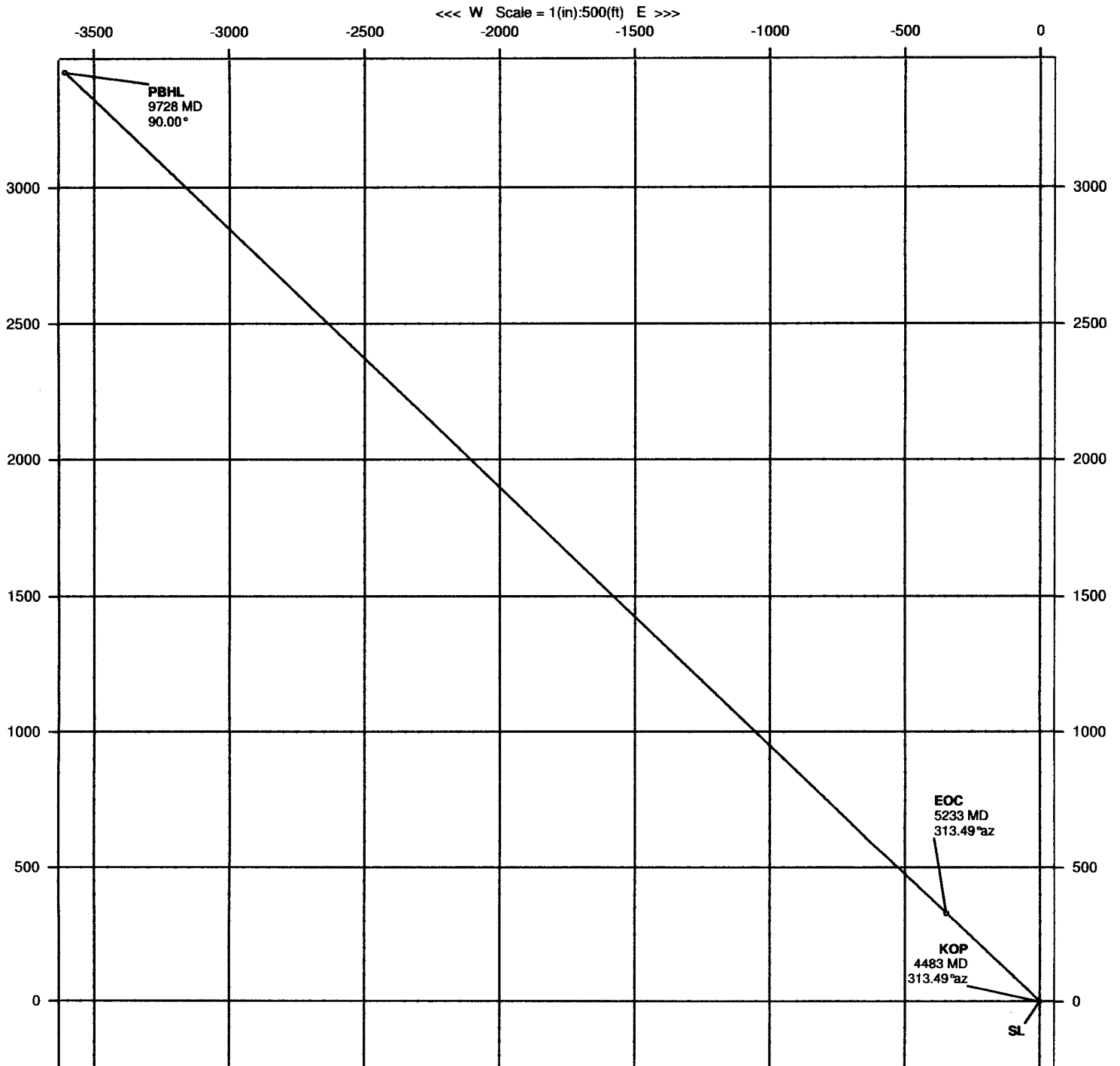
Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)
Tie-In	0.00	0.00	313.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	0.00	313.49	100.00	0.00	0.00	0.00	0.00	0.00	0.00
	200.00	0.00	313.49	200.00	0.00	0.00	0.00	0.00	0.00	0.00
	300.00	0.00	313.49	300.00	0.00	0.00	0.00	0.00	0.00	0.00
	400.00	0.00	313.49	400.00	0.00	0.00	0.00	0.00	0.00	0.00
	500.00	0.00	313.49	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	600.00	0.00	313.49	600.00	0.00	0.00	0.00	0.00	0.00	0.00
	700.00	0.00	313.49	700.00	0.00	0.00	0.00	0.00	0.00	0.00
	800.00	0.00	313.49	800.00	0.00	0.00	0.00	0.00	0.00	0.00
	900.00	0.00	313.49	900.00	0.00	0.00	0.00	0.00	0.00	0.00
	1000.00	0.00	313.49	1000.00	0.00	0.00	0.00	0.00	0.00	0.00
	1100.00	0.00	313.49	1100.00	0.00	0.00	0.00	0.00	0.00	0.00
	1200.00	0.00	313.49	1200.00	0.00	0.00	0.00	0.00	0.00	0.00
	1300.00	0.00	313.49	1300.00	0.00	0.00	0.00	0.00	0.00	0.00
	1400.00	0.00	313.49	1400.00	0.00	0.00	0.00	0.00	0.00	0.00
	1500.00	0.00	313.49	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
	1600.00	0.00	313.49	1600.00	0.00	0.00	0.00	0.00	0.00	0.00
	1700.00	0.00	313.49	1700.00	0.00	0.00	0.00	0.00	0.00	0.00
	1800.00	0.00	313.49	1800.00	0.00	0.00	0.00	0.00	0.00	0.00
	1900.00	0.00	313.49	1900.00	0.00	0.00	0.00	0.00	0.00	0.00
	2000.00	0.00	313.49	2000.00	0.00	0.00	0.00	0.00	0.00	0.00
	2100.00	0.00	313.49	2100.00	0.00	0.00	0.00	0.00	0.00	0.00
	2200.00	0.00	313.49	2200.00	0.00	0.00	0.00	0.00	0.00	0.00
	2300.00	0.00	313.49	2300.00	0.00	0.00	0.00	0.00	0.00	0.00
	2400.00	0.00	313.49	2400.00	0.00	0.00	0.00	0.00	0.00	0.00
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	2700.00	0.00	313.49	2700.00	0.00	0.00	0.00	0.00	0.00	0.00
	2800.00	0.00	313.49	2800.00	0.00	0.00	0.00	0.00	0.00	0.00
	2900.00	0.00	313.49	2900.00	0.00	0.00	0.00	0.00	0.00	0.00
	3000.00	0.00	313.49	3000.00	0.00	0.00	0.00	0.00	0.00	0.00
	3100.00	0.00	313.49	3100.00	0.00	0.00	0.00	0.00	0.00	0.00
	3200.00	0.00	313.49	3200.00	0.00	0.00	0.00	0.00	0.00	0.00
	3300.00	0.00	313.49	3300.00	0.00	0.00	0.00	0.00	0.00	0.00
	3400.00	0.00	313.49	3400.00	0.00	0.00	0.00	0.00	0.00	0.00
	3500.00	0.00	313.49	3500.00	0.00	0.00	0.00	0.00	0.00	0.00
	3600.00	0.00	313.49	3600.00	0.00	0.00	0.00	0.00	0.00	0.00
	3700.00	0.00	313.49	3700.00	0.00	0.00	0.00	0.00	0.00	0.00

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)
	3800.00	0.00	313.49	3800.00	0.00	0.00	0.00	0.00	0.00	0.00
	3900.00	0.00	313.49	3900.00	0.00	0.00	0.00	0.00	0.00	0.00
	4000.00	0.00	313.49	4000.00	0.00	0.00	0.00	0.00	0.00	0.00
	4100.00	0.00	313.49	4100.00	0.00	0.00	0.00	0.00	0.00	0.00
	4200.00	0.00	313.49	4200.00	0.00	0.00	0.00	0.00	0.00	0.00
	4300.00	0.00	313.49	4300.00	0.00	0.00	0.00	0.00	0.00	0.00
	4400.00	0.00	313.49	4400.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP	4482.54	0.00	313.49	4482.54	0.00	0.00	0.00	0.00	0.00	0.00
	4500.00	2.10	313.49	4500.00	0.32	0.22	-0.23	0.32	313.49	12.00
	4600.00	14.10	313.49	4598.82	14.38	9.89	-10.43	14.38	313.49	12.00
	4700.00	26.10	313.49	4692.56	48.67	33.50	-35.31	48.67	313.49	12.00
	4800.00	38.10	313.49	4777.12	101.71	70.00	-73.79	101.71	313.49	12.00
	4900.00	50.10	313.49	4848.81	171.17	117.80	-124.18	171.17	313.49	12.00
	5000.00	62.10	313.49	4904.49	254.01	174.82	-184.29	254.01	313.49	12.00
	5100.00	74.10	313.49	4941.72	346.63	238.56	-251.47	346.63	313.49	12.00
EOC	5200.00	86.10	313.49	4958.89	444.95	306.23	-322.81	444.95	313.49	12.00
	5232.54	90.00	313.49	4960.00	477.46	328.60	-346.40	477.46	313.49	12.00
	5300.00	90.00	313.49	4960.00	544.93	375.04	-395.34	544.93	313.49	0.00
	5400.00	90.00	313.49	4960.00	644.93	443.86	-467.89	644.93	313.49	0.00
	5500.00	90.00	313.49	4960.00	744.93	512.68	-540.44	744.93	313.49	0.00
	5600.00	90.00	313.49	4960.00	844.93	581.50	-612.99	844.93	313.49	0.00
	5700.00	90.00	313.49	4960.00	944.93	650.33	-685.54	944.93	313.49	0.00
	5800.00	90.00	313.49	4960.00	1044.93	719.15	-758.09	1044.93	313.49	0.00
	5900.00	90.00	313.49	4960.00	1144.93	787.97	-830.64	1144.93	313.49	0.00
	6000.00	90.00	313.49	4960.00	1244.93	856.80	-903.19	1244.93	313.49	0.00
	6100.00	90.00	313.49	4960.00	1344.93	925.62	-975.74	1344.93	313.49	0.00
	6200.00	90.00	313.49	4960.00	1444.93	994.44	-1048.29	1444.93	313.49	0.00
	6300.00	90.00	313.49	4960.00	1544.93	1063.26	-1120.84	1544.93	313.49	0.00
	6400.00	90.00	313.49	4960.00	1644.93	1132.09	-1193.39	1644.93	313.49	0.00
	6500.00	90.00	313.49	4960.00	1744.93	1200.91	-1265.94	1744.93	313.49	0.00
	6600.00	90.00	313.49	4960.00	1844.93	1269.73	-1338.49	1844.93	313.49	0.00
	6700.00	90.00	313.49	4960.00	1944.93	1338.56	-1411.04	1944.93	313.49	0.00
	6800.00	90.00	313.49	4960.00	2044.93	1407.38	-1483.58	2044.93	313.49	0.00
	6900.00	90.00	313.49	4960.00	2144.93	1476.20	-1556.13	2144.93	313.49	0.00
	7000.00	90.00	313.49	4960.00	2244.93	1545.02	-1628.68	2244.93	313.49	0.00
	7100.00	90.00	313.49	4960.00	2344.93	1613.85	-1701.23	2344.93	313.49	0.00
	7200.00	90.00	313.49	4960.00	2444.93	1682.67	-1773.78	2444.93	313.49	0.00
	7300.00	90.00	313.49	4960.00	2544.93	1751.49	-1846.33	2544.93	313.49	0.00
	7400.00	90.00	313.49	4960.00	2644.93	1820.31	-1918.88	2644.93	313.49	0.00
	7500.00	90.00	313.49	4960.00	2744.93	1889.14	-1991.43	2744.93	313.49	0.00
	7600.00	90.00	313.49	4960.00	2844.93	1957.96	-2063.98	2844.93	313.49	0.00
	7700.00	90.00	313.49	4960.00	2944.93	2026.78	-2136.53	2944.93	313.49	0.00
	7800.00	90.00	313.49	4960.00	3044.93	2095.61	-2209.08	3044.93	313.49	0.00
	7900.00	90.00	313.49	4960.00	3144.93	2164.43	-2281.63	3144.93	313.49	0.00
	8000.00	90.00	313.49	4960.00	3244.93	2233.25	-2354.18	3244.93	313.49	0.00
	8100.00	90.00	313.49	4960.00	3344.93	2302.07	-2426.73	3344.93	313.49	0.00
	8200.00	90.00	313.49	4960.00	3444.93	2370.90	-2499.28	3444.93	313.49	0.00
	8300.00	90.00	313.49	4960.00	3544.93	2439.72	-2571.83	3544.93	313.49	0.00
	8400.00	90.00	313.49	4960.00	3644.93	2508.54	-2644.38	3644.93	313.49	0.00
	8500.00	90.00	313.49	4960.00	3744.93	2577.37	-2716.93	3744.93	313.49	0.00
	8600.00	90.00	313.49	4960.00	3844.93	2646.19	-2789.47	3844.93	313.49	0.00
	8700.00	90.00	313.49	4960.00	3944.93	2715.01	-2862.02	3944.93	313.49	0.00
	8800.00	90.00	313.49	4960.00	4044.93	2783.83	-2934.57	4044.93	313.49	0.00
	8900.00	90.00	313.49	4960.00	4144.93	2852.66	-3007.12	4144.93	313.49	0.00

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)
	9000.00	90.00	313.49	4960.00	4244.93	2921.48	-3079.67	4244.93	313.49	0.00
	9100.00	90.00	313.49	4960.00	4344.93	2990.30	-3152.22	4344.93	313.49	0.00
	9200.00	90.00	313.49	4960.00	4444.93	3059.13	-3224.77	4444.93	313.49	0.00
	9300.00	90.00	313.49	4960.00	4544.93	3127.95	-3297.32	4544.93	313.49	0.00
	9400.00	90.00	313.49	4960.00	4644.93	3196.77	-3369.87	4644.93	313.49	0.00
	9500.00	90.00	313.49	4960.00	4744.93	3265.59	-3442.42	4744.93	313.49	0.00
	9600.00	90.00	313.49	4960.00	4844.93	3334.42	-3514.97	4844.93	313.49	0.00
	9700.00	90.00	313.49	4960.00	4944.93	3403.24	-3587.52	4944.93	313.49	0.00
PBHL	9728.35	90.00	313.49	4960.00	4973.28	3422.75	-3608.08	4973.28	313.49	0.00

LCX Energy

WELL 1625 State Com #181	FIELD Eddy County, NM Nad 83	STRUCTURE 1625 State Com #181
Magnetic Parameters Model: IGRF 2005 Dip: 60.776° Mag Dec: +8.589°	Surface Location Lat: N32 55 3.500 Lon: W104 31 7.300 NAD83 New Mexico State Planes, Eastern Zone, US Feet Northing: 687821.55 NUS Easting: 494457.35 NUS Grid Conv: -0.10073158° Scale Fact: 0.9999127958	Miscellaneous Shot: 1625 State Com #181 Plan: 1625 State Com #181_11 TVD Ref: RKB (0.40 ft above) Srvy Date: December 08, 2006



INTREPID
Directional Drilling Specialists

