

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
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
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

S	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	
Property Code 36202		Property Name BIG DOG STATE UNIT
Proposed Pool 1 UNDES. FOURMILE DRAW-WOLFCAMP		Proposed Pool 2

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North-South line	Feet from the	East/West line	County
A	20	18S	23E		660'	NORTH	760'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North-South line	Feet from the	East/West line	County
P	20	18S	23E		660'	SOUTH	760'	EAST	EDDY

Additional Well Information

Work Type Code N	Well Type Code G	Cable/Rotary ROTARY	Lease Type Code S VA-2594	Ground Level Elevation 3996'
Multiple NO	Proposed Depth MD-8697 TVD-4960'	Formation WOLFCAMP	Contractor BIG DOG DRILLING	Spud Date WHEN APPROVED
Depth to Groundwater 100'+		Distance from nearest fresh water well 1 mile South of location		Distance from nearest surface water FOURMILE DRAW 1.5 Mi South
Liner: Synthetic ☒ 12 mils thick Clay ☐		Pit Volume: 18Mbbbls		Drilling Method:
Closed-Loop System ☐		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-8697' 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 casing

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. ARRANT DISTRICT II GEOLOGIST	
Title: Agent		Title:	
E-mail Address: joejanica@valornet.com		Approval Date: DEC 15 2006 Expiration Date: DEC 15 2007	
Date: 12/11/06	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.

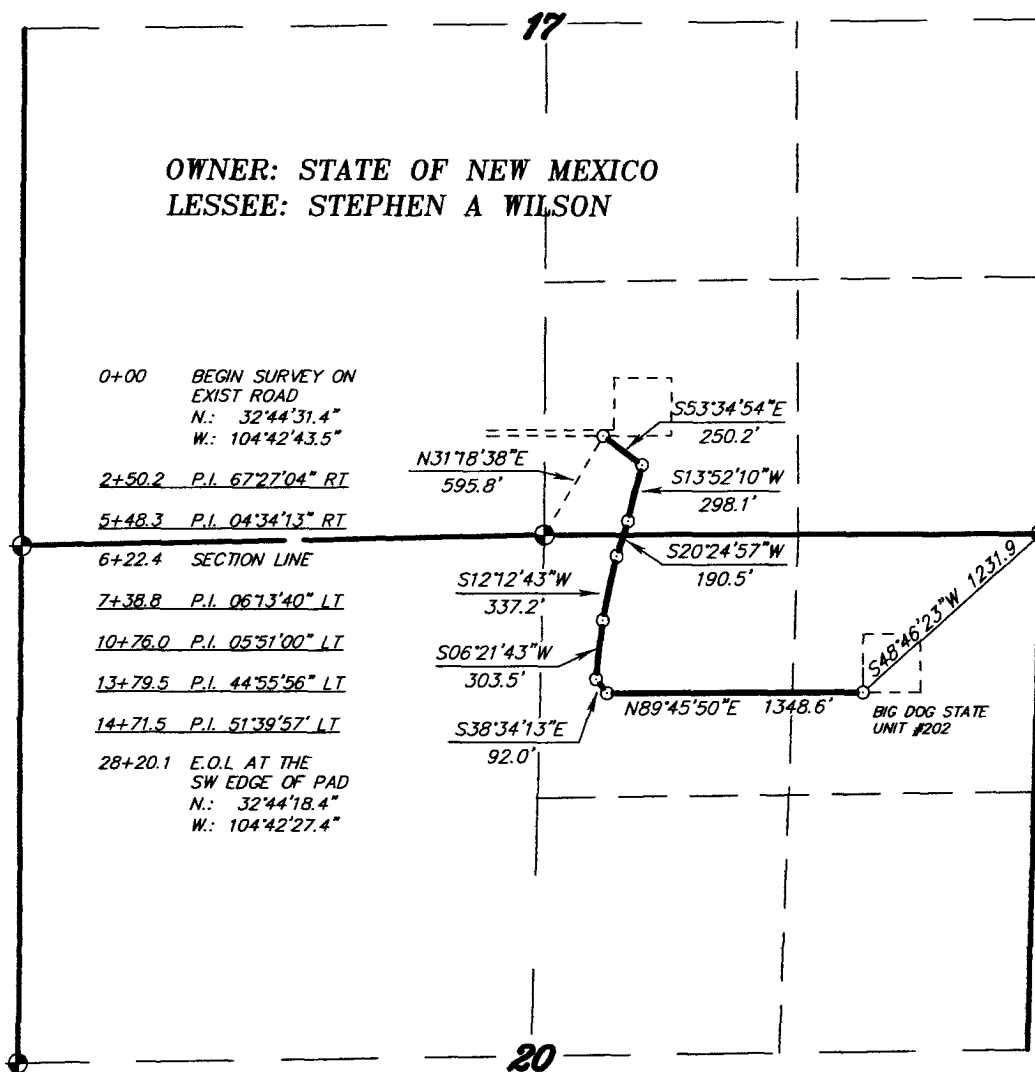
If hole conditions dictate running a 7" contingency string in the 8-3/4" hole :

- 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.

SECTIONS 17&20, TOWNSHIP 18 SOUTH, RANGE 23 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

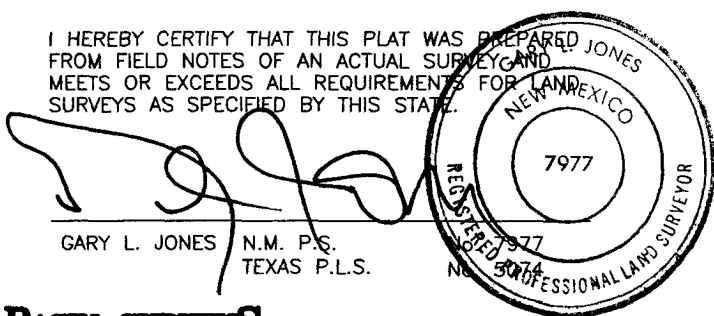


LEGAL DESCRIPTION

A STRIP OF LAND 20.0 FEET WIDE, LOCATED IN SECTIONS 17&20, TOWNSHIP 18 SOUTH, RANGE 23 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.31°18'38"E., 595.8 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 17; THENCE S.53°34'54"E., 250.2 FEET; THENCE S.13°52'10"W., 298.1 FEET; THENCE S.20°24'57"W., 190.5 FEET; THENCE S.12°12'43"W., 337.2 FEET; THENCE S.06°21'43"W., 303.5 FEET; THENCE S.38°34'13"E., 92.0 FEET; THENCE N.89°45'50"E., 1348.6 FEET TO THE END OF THIS LINE WHICH LIES S.48°46'23"W., 1231.9 FEET FROM THE NORTHEAST CORNER OF SAID SECTION 20. SAID STRIP OF LAND BEING 2820.1 FEET OR 170.92 RODS IN LENGTH AND CONTAINING 1.29 ACRES, MORE OR LESS, AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 SE/4 (SEC. 17) = 37.72 RODS = 0.29 ACRES NW/4 NE/4 (SEC. 20) = 110.67 RODS = 0.84 ACRES
NE/4 NE/4 (SEC. 20) = 22.53 RODS = 0.16 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

1000 0 1000 2000 FEET

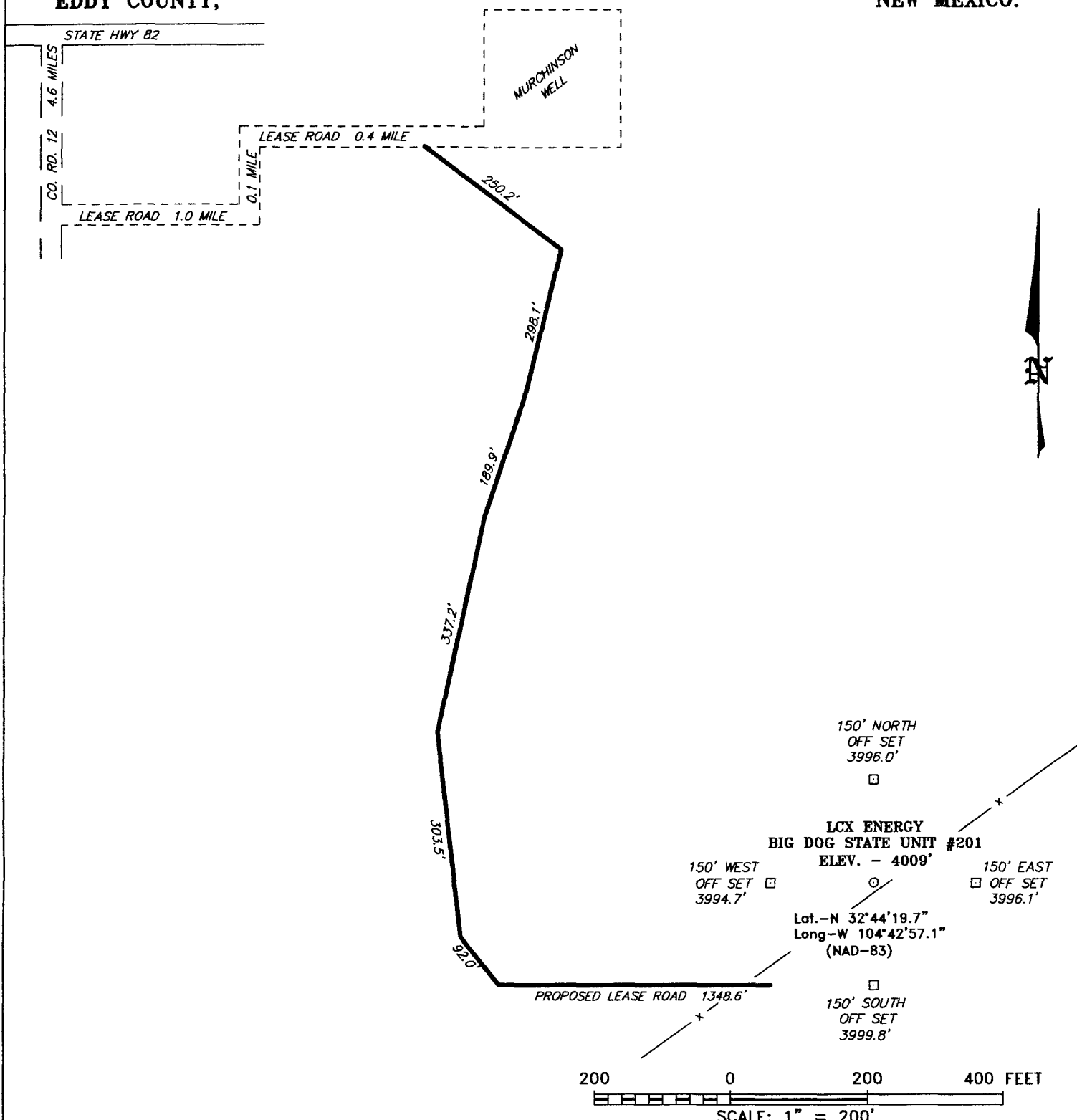
LCX ENERGY

REF: PROPOSED ROAD TO THE LCX - BIG DOG STATE UNIT #202

A ROAD CROSSING STATE LAND IN
SECTIONS 17&20, TOWNSHIP 18 SOUTH, RANGE 23 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

W.O. Number: 17398	Drawn By: J. M. SMALL	Survey Date: 11-16-2006	Sheet 1 of 1 Sheets
Date: 11-21-2006	Disk: JMS 17398R		

SECTION 20, TOWNSHIP 18 SOUTH, RANGE 23 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM HWY MARKER 86 ON STATE HWY 82, PROCEED WEST APPROX 250' FEET TO CO. RD. 12 (ARMSTRONG), ON CO RD #12 PROCEED SOUTH 4.6 MILES TO LEASE ROAD, ON LEASE ROAD PROCEED EAST 1.0 MILE TO LEASE ROAD, THENCE NORTH 0.1 MILE, THENCE EAST 0.4 MILE TO PROPOSED LEASE ROAD.

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

W.O. Number: 17398

Drawn By: J. M. SMALL

Date: 11-21-2006

Disk: JMS 17398W

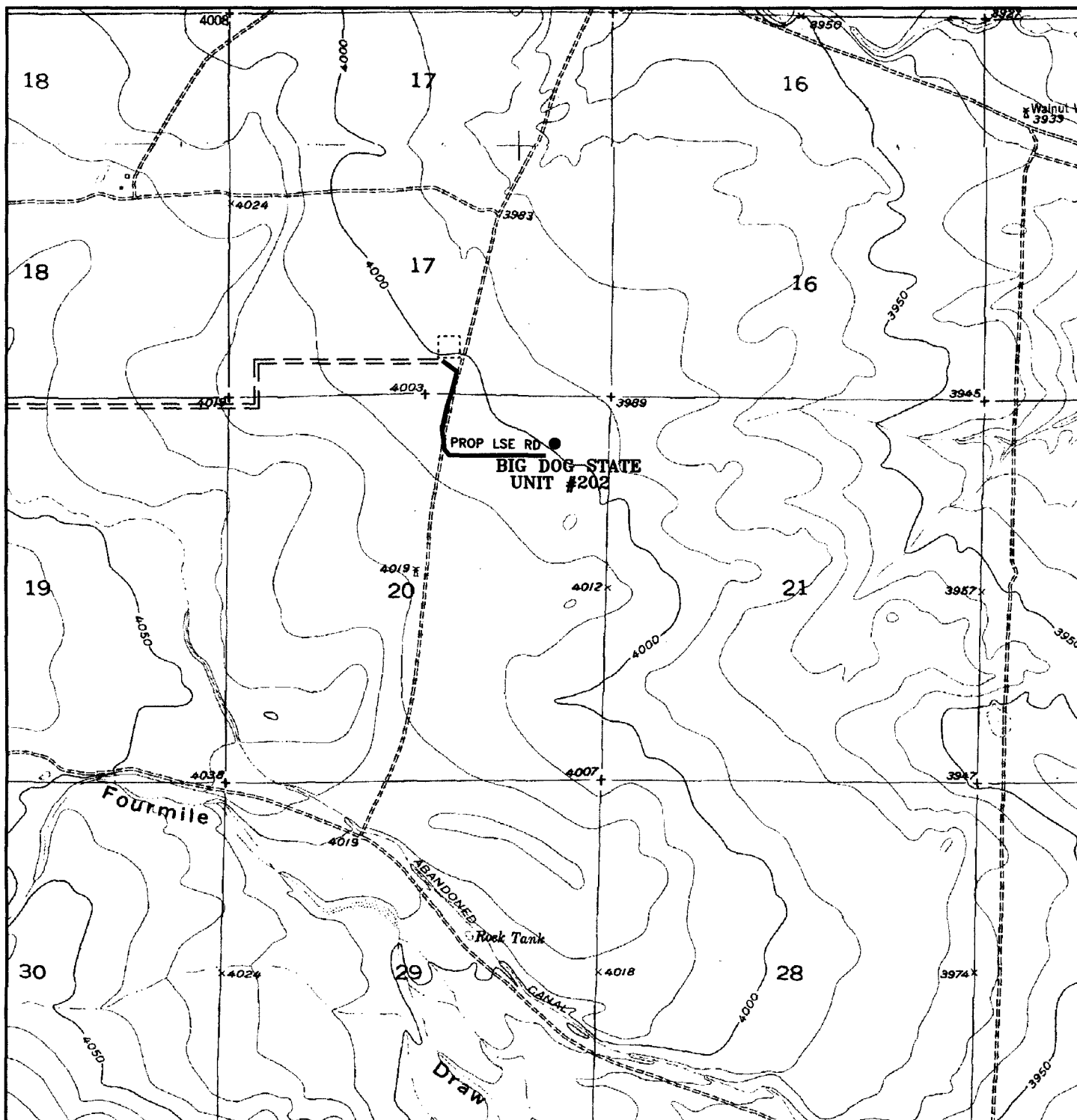
LCX ENERGY

REF: BIG DOG STATE UNIT #202 / WELL PAD TOPO

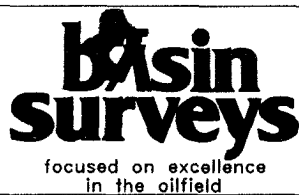
THE BIG DOG STATE UNIT No. 202 LOCATED 660' FROM
THE NORTH LINE AND 760' FROM THE EAST LINE OF
SECTION 20, TOWNSHIP 18 SOUTH, RANGE 23 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 11-16-2006

Sheet 1 of 1 Sheets



PROPOSED LEASE ROAD TO THE BIG DOG STATE UNIT #202
 Section 20, Township 18 South, Range 23 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

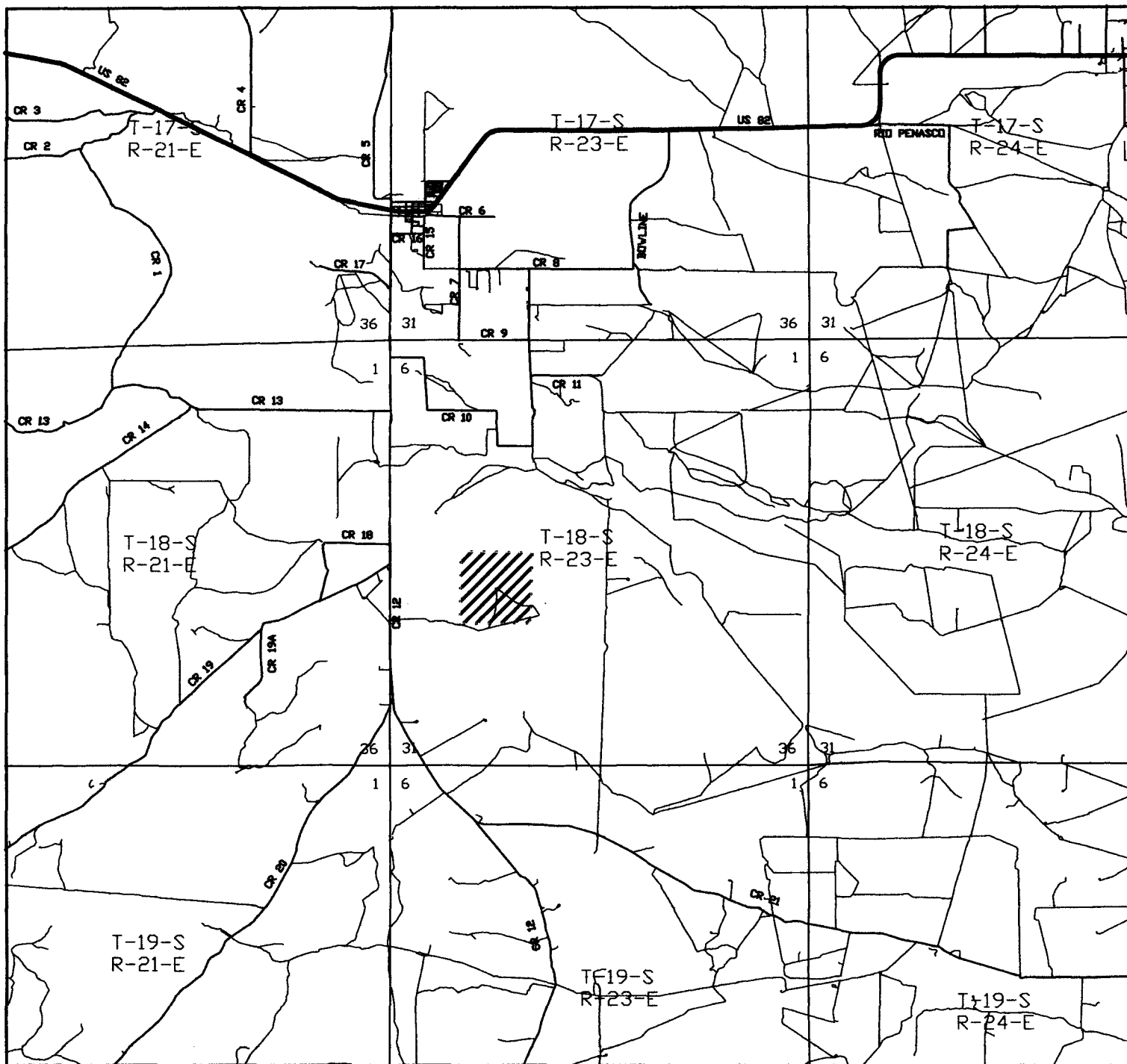
W.O. Number: JMS 17398TT

Survey Date: 11-16-2006

Scale: 1" = 2000'

Date: 11-21-2006

**LCX
ENERGY**



BIG DOG STATE UNIT #202
 Located 660' FNL and 760' FEL
 Section 20, Township 18 South, Range 23 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
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W.O. Number: JMS 17398T

Survey Date: 11-16-2006

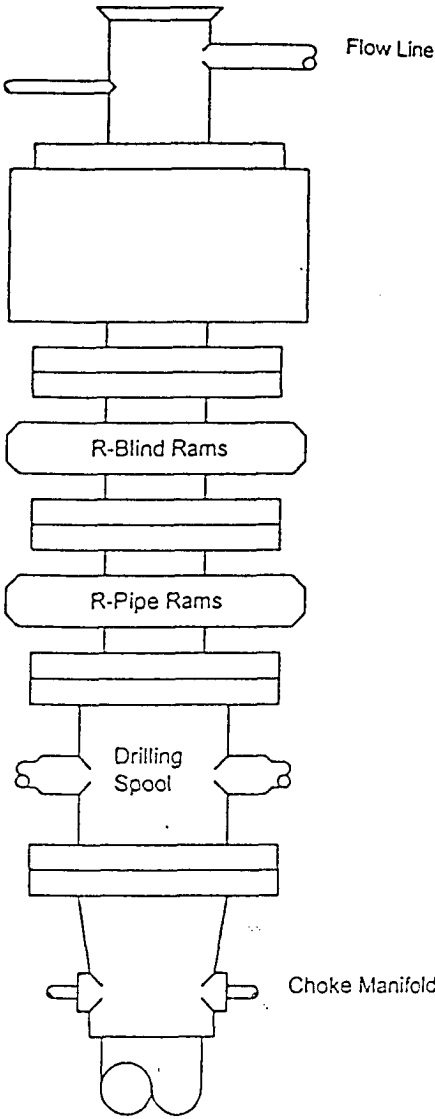
Scale: 1" = 2 MILES

Date: 11-21-2006

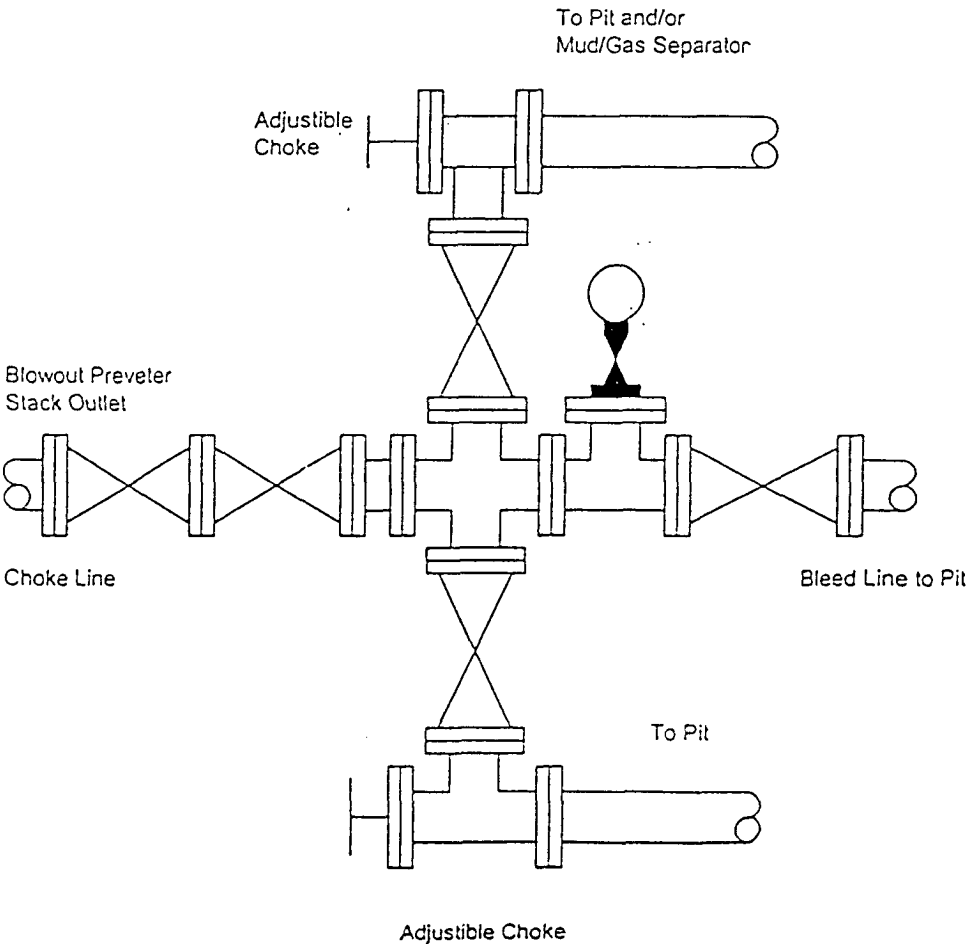
LCX
ENERGY

BLOWOUT PREVENTER SYSTEM

3000 PSI

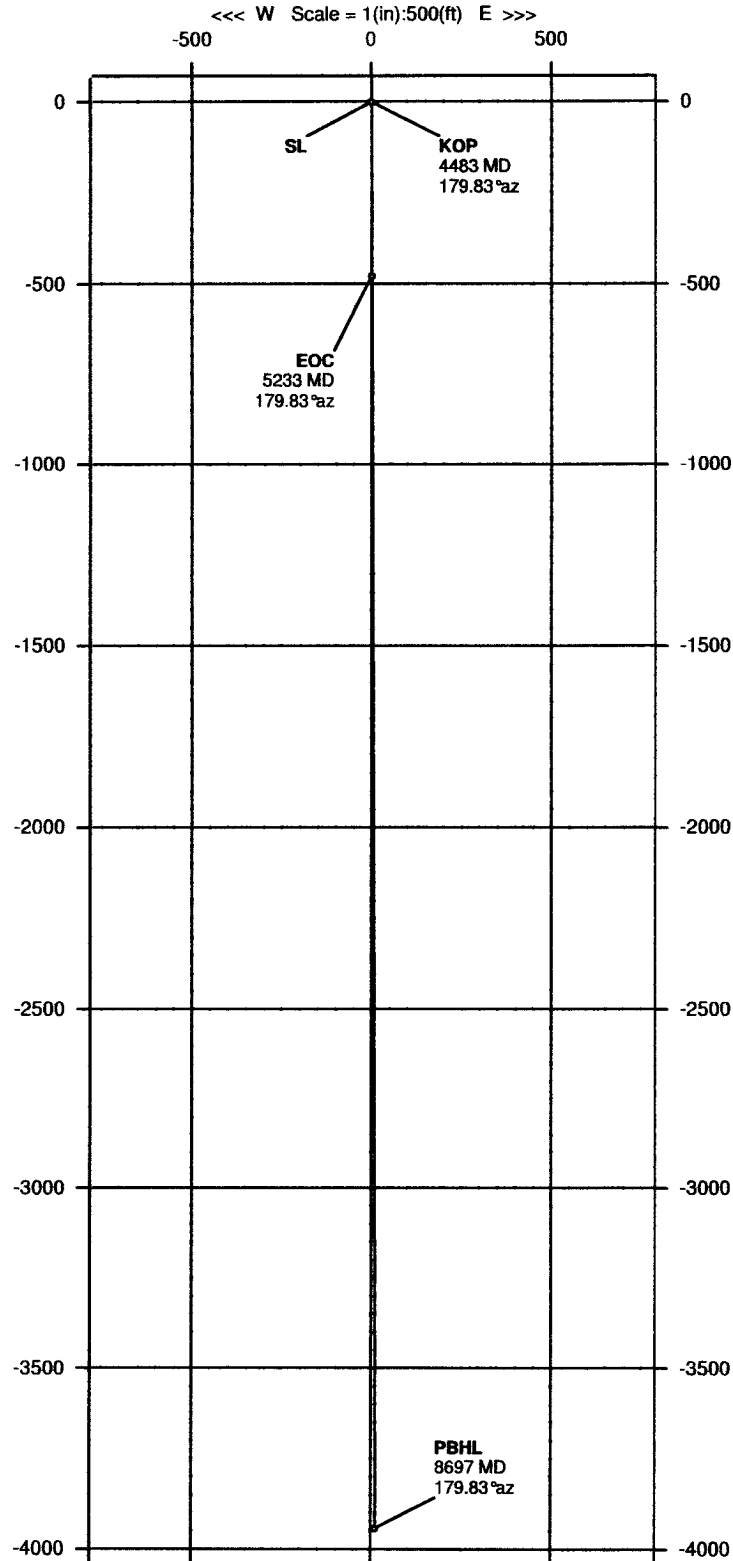


Choke Manifold Assembly for 5M WP System



LCX Energy

WELL	Big Dog State Unit #202	FIELD	Eddy County, NM Nad 83	STRUCTURE	Big Dog State Unit #202
Magnetic Parameters Model: KGRF 2005		Surface Location Lat: N29 44 19.900 Lon: W104 42 25.700		Miscellaneous Sheet: Big Dog State Unit #202 Plan: Big Dog State Unit #202.y1	
Dip: 60.575° Mag Dec: +5.666°		Date: December 06, 2006 FS: 49830.1 nT		NA83 New Mexico State Plane, Eastern Zone, US Feet Northing: 633733.11 RUS Easting: 426400.74 RUS Grid Conv: -0.2621800° Scale Fact: 0.999642191	
				TVD Ref: RKB (0.00 ft above) Srvy Date: December 06, 2006	



INTREPID
Directional Drilling Specialists



Proposal

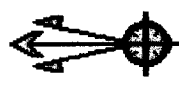
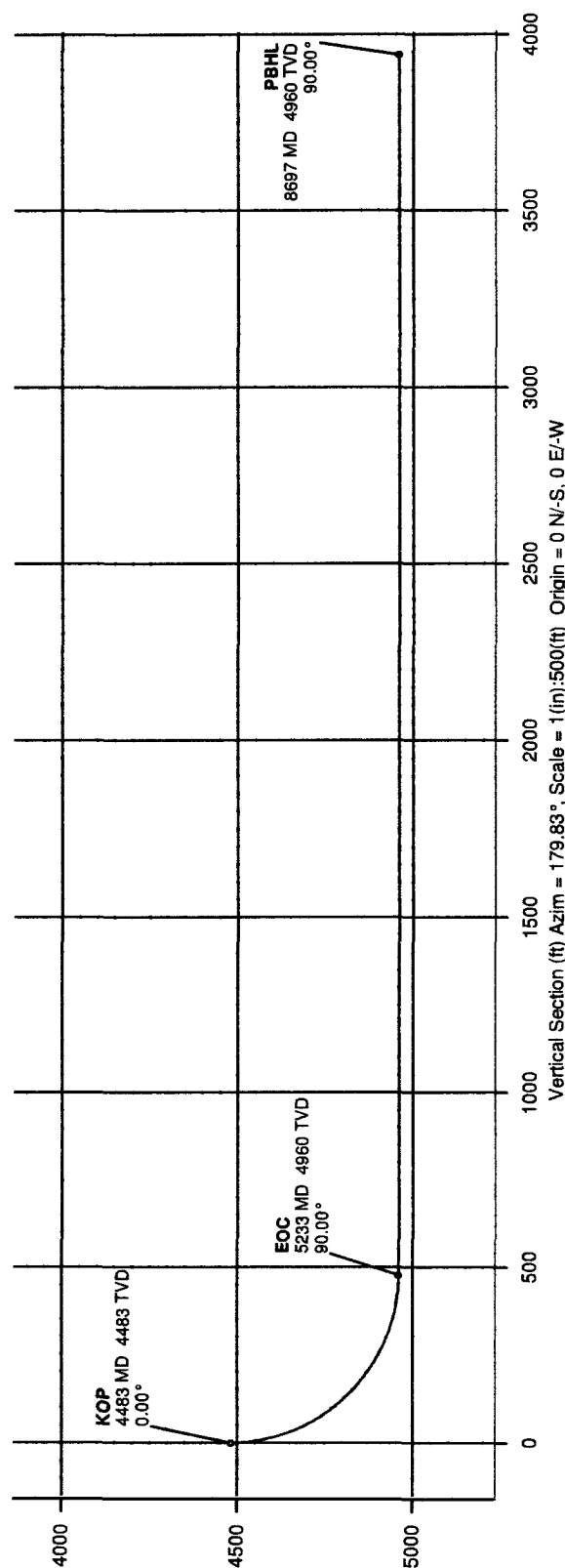
Report Date: December 6, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy	Vertical Section Azimuth: 179.830°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Big Dog State Unit #202 / Big Dog State Unit #202	TVD Reference Datum: RKB
Well: Big Dog State Unit #202	TVD Reference Elevation: 0.0 ft relative to
Borehole: Big Dog State Unit #202	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.666°
Survey Name / Date: Big Dog State Unit #202_r1 / December 6, 2006	Total Field Strength: 49290.139 nT
Tort / AHD / DDI / ERD ratio: 90.000° / 3941.73 ft / 5.794 / 0.795	Magnetic Dip: 60.575°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: December 06, 2006
Location Lat/Long: N 32 44 19.900, W 104 42 25.700	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 632732.115 ftUS, E 426400.739 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.20216020°	Total Corr Mag North -> Grid North: +8.868°
Grid Scale Factor: 0.99992422	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	179.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	0.00	179.83	100.00	0.00	0.00	0.00	0.00	0.00	0.00
	200.00	0.00	179.83	200.00	0.00	0.00	0.00	0.00	0.00	0.00
	300.00	0.00	179.83	300.00	0.00	0.00	0.00	0.00	0.00	0.00
	400.00	0.00	179.83	400.00	0.00	0.00	0.00	0.00	0.00	0.00
	500.00	0.00	179.83	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	600.00	0.00	179.83	600.00	0.00	0.00	0.00	0.00	0.00	0.00
	700.00	0.00	179.83	700.00	0.00	0.00	0.00	0.00	0.00	0.00
	800.00	0.00	179.83	800.00	0.00	0.00	0.00	0.00	0.00	0.00
	900.00	0.00	179.83	900.00	0.00	0.00	0.00	0.00	0.00	0.00
	1000.00	0.00	179.83	1000.00	0.00	0.00	0.00	0.00	0.00	0.00
	1100.00	0.00	179.83	1100.00	0.00	0.00	0.00	0.00	0.00	0.00
	1200.00	0.00	179.83	1200.00	0.00	0.00	0.00	0.00	0.00	0.00
	1300.00	0.00	179.83	1300.00	0.00	0.00	0.00	0.00	0.00	0.00
	1400.00	0.00	179.83	1400.00	0.00	0.00	0.00	0.00	0.00	0.00
	1500.00	0.00	179.83	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
	1600.00	0.00	179.83	1600.00	0.00	0.00	0.00	0.00	0.00	0.00
	1700.00	0.00	179.83	1700.00	0.00	0.00	0.00	0.00	0.00	0.00
	1800.00	0.00	179.83	1800.00	0.00	0.00	0.00	0.00	0.00	0.00
	1900.00	0.00	179.83	1900.00	0.00	0.00	0.00	0.00	0.00	0.00
	2000.00	0.00	179.83	2000.00	0.00	0.00	0.00	0.00	0.00	0.00
	2100.00	0.00	179.83	2100.00	0.00	0.00	0.00	0.00	0.00	0.00
	2200.00	0.00	179.83	2200.00	0.00	0.00	0.00	0.00	0.00	0.00
	2300.00	0.00	179.83	2300.00	0.00	0.00	0.00	0.00	0.00	0.00
	2400.00	0.00	179.83	2400.00	0.00	0.00	0.00	0.00	0.00	0.00
	2500.00	0.00	179.83	2500.00	0.00	0.00	0.00	0.00	0.00	0.00
	2600.00	0.00	179.83	2600.00	0.00	0.00	0.00	0.00	0.00	0.00
	2700.00	0.00	179.83	2700.00	0.00	0.00	0.00	0.00	0.00	0.00
	2800.00	0.00	179.83	2800.00	0.00	0.00	0.00	0.00	0.00	0.00
	2900.00	0.00	179.83	2900.00	0.00	0.00	0.00	0.00	0.00	0.00
	3000.00	0.00	179.83	3000.00	0.00	0.00	0.00	0.00	0.00	0.00
	3100.00	0.00	179.83	3100.00	0.00	0.00	0.00	0.00	0.00	0.00
	3200.00	0.00	179.83	3200.00	0.00	0.00	0.00	0.00	0.00	0.00
	3300.00	0.00	179.83	3300.00	0.00	0.00	0.00	0.00	0.00	0.00
	3400.00	0.00	179.83	3400.00	0.00	0.00	0.00	0.00	0.00	0.00
	3500.00	0.00	179.83	3500.00	0.00	0.00	0.00	0.00	0.00	0.00
	3600.00	0.00	179.83	3600.00	0.00	0.00	0.00	0.00	0.00	0.00
	3700.00	0.00	179.83	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)
KOP	3800.00	0.00	179.83	3800.00	0.00	0.00	0.00	0.00	0.00	0.00
	3900.00	0.00	179.83	3900.00	0.00	0.00	0.00	0.00	0.00	0.00
	4000.00	0.00	179.83	4000.00	0.00	0.00	0.00	0.00	0.00	0.00
	4100.00	0.00	179.83	4100.00	0.00	0.00	0.00	0.00	0.00	0.00
	4200.00	0.00	179.83	4200.00	0.00	0.00	0.00	0.00	0.00	0.00
	4300.00	0.00	179.83	4300.00	0.00	0.00	0.00	0.00	0.00	0.00
	4400.00	0.00	179.83	4400.00	0.00	0.00	0.00	0.00	0.00	0.00
	4482.54	0.00	179.83	4482.54	0.00	0.00	0.00	0.00	0.00	0.00
	4500.00	2.10	179.83	4500.00	0.32	-0.32	0.00	0.32	179.83	12.00
	4600.00	14.10	179.83	4598.82	14.38	-14.38	0.04	14.38	179.83	12.00
EOC	4700.00	26.10	179.83	4692.56	48.67	-48.67	0.14	48.67	179.83	12.00
	4800.00	38.10	179.83	4777.12	101.71	-101.71	0.30	101.71	179.83	12.00
	4900.00	50.10	179.83	4848.81	171.17	-171.17	0.51	171.17	179.83	12.00
	5000.00	62.10	179.83	4904.49	254.01	-254.01	0.76	254.01	179.83	12.00
	5100.00	74.10	179.83	4941.72	346.63	-346.62	1.03	346.63	179.83	12.00
	5200.00	86.10	179.83	4958.89	444.95	-444.95	1.32	444.95	179.83	12.00
	5232.54	90.00	179.83	4960.00	477.46	-477.46	1.42	477.46	179.83	12.00
	5300.00	90.00	179.83	4960.00	544.93	-544.93	1.62	544.93	179.83	0.00
	5400.00	90.00	179.83	4960.00	644.93	-644.93	1.92	644.93	179.83	0.00
	5500.00	90.00	179.83	4960.00	744.93	-744.93	2.22	744.93	179.83	0.00
	5600.00	90.00	179.83	4960.00	844.93	-844.93	2.51	844.93	179.83	0.00
	5700.00	90.00	179.83	4960.00	944.93	-944.93	2.81	944.93	179.83	0.00
	5800.00	90.00	179.83	4960.00	1044.93	-1044.93	3.11	1044.93	179.83	0.00
	5900.00	90.00	179.83	4960.00	1144.93	-1144.92	3.41	1144.93	179.83	0.00
	6000.00	90.00	179.83	4960.00	1244.93	-1244.92	3.70	1244.93	179.83	0.00
	6100.00	90.00	179.83	4960.00	1344.93	-1344.92	4.00	1344.93	179.83	0.00
	6200.00	90.00	179.83	4960.00	1444.93	-1444.92	4.30	1444.93	179.83	0.00
	6300.00	90.00	179.83	4960.00	1544.93	-1544.92	4.59	1544.93	179.83	0.00
	6400.00	90.00	179.83	4960.00	1644.93	-1644.92	4.89	1644.93	179.83	0.00
	6500.00	90.00	179.83	4960.00	1744.93	-1744.92	5.19	1744.93	179.83	0.00
	6600.00	90.00	179.83	4960.00	1844.93	-1844.92	5.49	1844.93	179.83	0.00
	6700.00	90.00	179.83	4960.00	1944.93	-1944.92	5.78	1944.93	179.83	0.00
	6800.00	90.00	179.83	4960.00	2044.93	-2044.92	6.08	2044.93	179.83	0.00
	6900.00	90.00	179.83	4960.00	2144.93	-2144.92	6.38	2144.93	179.83	0.00
	7000.00	90.00	179.83	4960.00	2244.93	-2244.92	6.68	2244.93	179.83	0.00
	7100.00	90.00	179.83	4960.00	2344.93	-2344.92	6.97	2344.93	179.83	0.00
	7200.00	90.00	179.83	4960.00	2444.93	-2444.92	7.27	2444.93	179.83	0.00
	7300.00	90.00	179.83	4960.00	2544.93	-2544.92	7.57	2544.93	179.83	0.00
	7400.00	90.00	179.83	4960.00	2644.93	-2644.92	7.87	2644.93	179.83	0.00
	7500.00	90.00	179.83	4960.00	2744.93	-2744.92	8.16	2744.93	179.83	0.00
PBHL	7600.00	90.00	179.83	4960.00	2844.93	-2844.92	8.46	2844.93	179.83	0.00
	7700.00	90.00	179.83	4960.00	2944.93	-2944.92	8.76	2944.93	179.83	0.00
	7800.00	90.00	179.83	4960.00	3044.93	-3044.92	9.06	3044.93	179.83	0.00
	7900.00	90.00	179.83	4960.00	3144.93	-3144.92	9.35	3144.93	179.83	0.00
	8000.00	90.00	179.83	4960.00	3244.93	-3244.92	9.65	3244.93	179.83	0.00
	8100.00	90.00	179.83	4960.00	3344.93	-3344.91	9.95	3344.93	179.83	0.00
	8200.00	90.00	179.83	4960.00	3444.93	-3444.91	10.25	3444.93	179.83	0.00
	8300.00	90.00	179.83	4960.00	3544.93	-3544.91	10.54	3544.93	179.83	0.00
	8400.00	90.00	179.83	4960.00	3644.93	-3644.91	10.84	3644.93	179.83	0.00
	8500.00	90.00	179.83	4960.00	3744.93	-3744.91	11.14	3744.93	179.83	0.00

LCX Energy

WELL		Big Dog State Unit #202		STRUCTURE		Big Dog State Unit #202	
FIELD		Eddy County, NM Nad 83		MISCELLANEOUS		TVD Ref: RKB (0.00 ft above)	
Map: 60.575°		Date: December 06, 2006		Big Dog State Unit #202		Soy Date: December 06, 2006	
Mag Dec: -8.865°		FS: 49260.1 FT		Big Dog State Unit #202, J1			
Mag Dec: 60.575°		Date: December 06, 2006		Big Dog State Unit #202			
Mag Dec: -8.865°		FS: 49260.1 FT		Big Dog State Unit #202			
Mag Dec: 60.575°		Date: December 06, 2006		Big Dog State Unit #202			
Mag Dec: -8.865°		FS: 49260.1 FT		Big Dog State Unit #202			



INTREPID
Directional Drilling Specialists