

Division I
1625 N. French Dr., Hobbs, NM 88240
Division II
1301 W. Grand Avenue, Artesia, NM 88210
Division III
1000 Rio Brazos Road, Aztec, NM 87410
Division 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 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

MAR 03 2008 OCD-ARTESIA		Operator Name and Address LCX ENERGY, LLC. 101 NORTH MARIENFELD SUITE 200 MIDLAND, TEXAS 79701		OGRID Number 218885	
Property Code 36200		Property Name 1625 STATE		Well No. 292	
Proposed Pool 1 COTTONWOOD CREEK-WOLFCAMP (75250)		Proposed Pool 2			

Surface Location

UL or lot no.	Section	Township	Range	Lot ID#	Feet from the	North-South line	Feet from the	East-West line	County
E	29	16S	25E		1880'	NORTH	660'	WEST	EDDY

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot ID#	Feet from the	North-South line	Feet from the	East-West line	County
H	29	16S	25E		1880'	NORTH	660'	EAST	EDDY

Additional Well Information

Work Type Code N	Well Type Code G	Cable Rotary ROTARY	Lease Type Code S	Ground Level Elevation
Multiple NO	Proposed Depth MD-9043 TVD-4920	Formation WOLFCAMP	Contractor BIG DOG DRILLING	Spud Date WHEN APPROVED
Depth to Groundwater 100'+		Distance from nearest fresh water well 1.3 MI±		Distance from nearest surface water None
Liner: Synthetic ☒ _____mils thick Clay ☐ Pit Volume: 24M bbls 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"	Conductor	40'	Redi-mix	Surface
17½"	13 3/8"	48#	350'	455 Sx	Surface
12½"	8 5/8"	24#	1200'	525 Sx.	Surface
7 7/8"	5½"	17#	9043'	1100 Sx	1000' FS

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.

SEE ATTACHED SHEET

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

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 NMOC guidelines ☐ general permit ☐ or an (attached) alternative OCD-approved plan ☐		OIL CONSERVATION DIVISION Approved by <i>Joe T. Janica</i> District II Supervisor	
Printed name: Joe T. Janica		Title:	
Title: Agent		Approval Date: 3/17/08	
E-mail Address: joejanica@valornet.com		Expiration Date: 3/17/10	
Date: 02/29/08	Phone: 505-391-8503	Conditions of Approval Attached ☐	

LCX ENERGY, LLC

110 N. Marienfeld St., Suite 200

Midland, TX 79701

Aug. 15, 2007

**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'.
4. Run and set 1200' of 8-5/8" 24# J55 casing. Cement to surface with Lead: 325 sx 35/65 Poz/C + 6% gel + 2% CaCl₂ (12.7 ppg, 1.94 cu ft/sk) and Tail: 200 sx. of Class "C" cement + 2% CaCl₂ (14.8 ppg, 1.34 cu ft/sk). Circulate cement to surface.
Note: if losses occur, additional light weight and thixotropic slurries may be added to increase the overall volume. These slurries are:
PVL + 12% gel + 3% BWOW salt + bridging agents (1.0 ppg, 2.75 cu ft/sk)
10-2 RFC (10% D53, 2% CaCl₂) + bridging agents (14.2 ppg, 1.62 cu ft/sk)
5. Drill 7-7/8" hole. Drill 7-7/8" curve and land lateral in pay zone (approx. 4700-4900 ft TVD). Pickup lateral drilling assembly with a 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 production casing. Cement 5-1/2" with Lead: 750 sx 50/50 Poz/C (11.9 ppg, 2.46 cu ft/sk) and Tail: 350 sx PVL + 100% CaCO₃ (acid soluble cement) + fluid loss additive + 1% CaCl₂ (13.0 ppg, 2.79 cu ft/sk) attempting to bring top of cement to 1,000'.

Contingency String:

If lost circulation occurs while drilling the 17-1/2" hole:

- 2a. Run and set 350' of 13-3/8" 48# H-40 ST&C casing. Cement with Lead: 195 sx 35/65 Poz/C + 6% gel + 2% CaCl₂ (12.7 ppg, 1.94 cu ft/sk) and Tail: 200 sx of Class "C" cement + 2% CaCl₂ (14.8 ppg, 1.34 cu ft/sk). Circulate cement to surface.

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

THERE IS NO KNOWN PRESENCE OF ANY H₂S IN THIS AREA, OTHER WELLS DRILLED IN THIS AREA HAVE NOT ENCOUNTERED ANY H₂S.

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36188	Pool Code 75250	Pool Name COTTONWOOD CREEK-WOLFCAMP
Property Code 36200	Property Name 1625 STATE	Well Number 292
OGRID No. 218885	Operator Name LCX ENERGY	Elevation 3567'

Surface Location

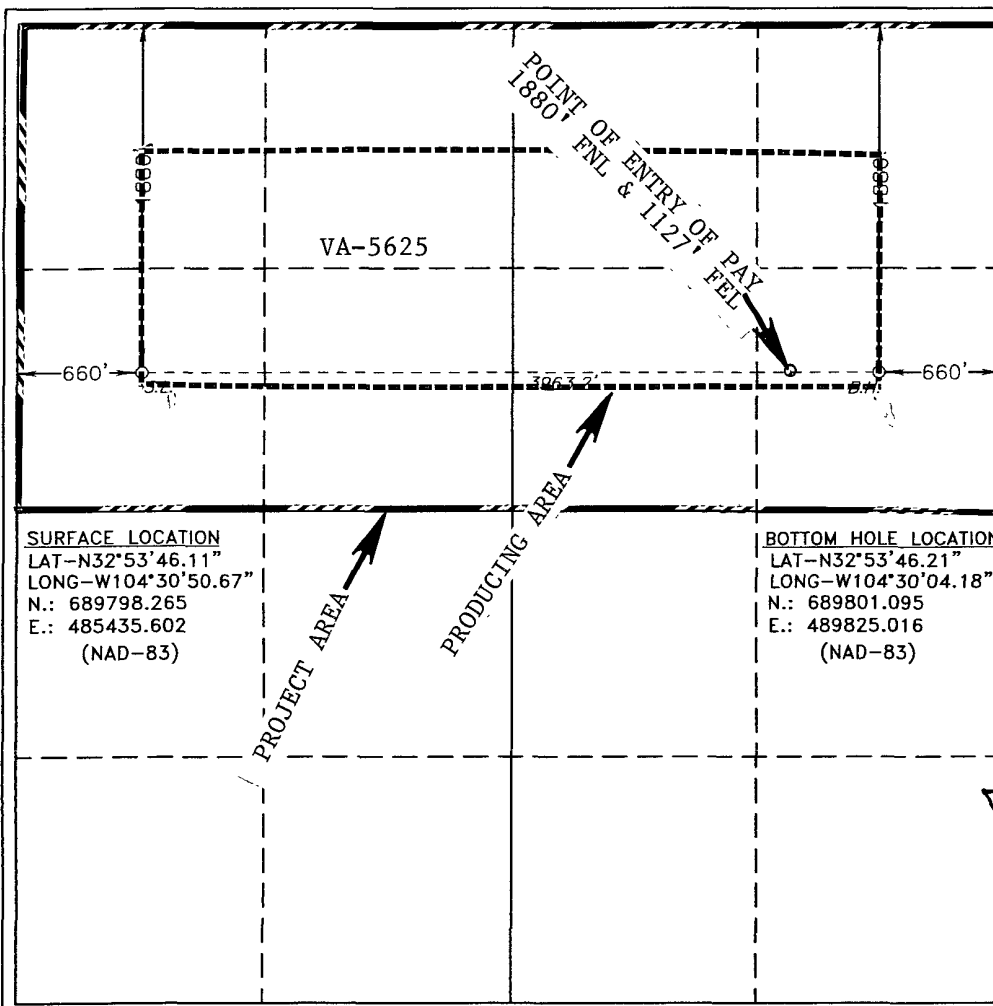
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	29	16 S	25 E		1880	NORTH	660	WEST	EDDY

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
H	29	16 S	25 E		1880	NORTH	660	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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 that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Joe T. Janica Date 02/29/08
Printed Name Joe T. Janica

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.

FEBRUARY 21, 2008

Date Surveyed _____
Signature & Seal _____
Professional Surveyor _____

Certificate No. 7977

BASIN SURVEYS

SECTION 29, TOWNSHIP 16 SOUTH, RANGE 25 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

PROPOSED LEASE ROAD 1747.4'



150' NORTH
OFF SET
3566.9'
□

LCX ENERGY
1625 STATE #292
ELEV. - 3567'

150' WEST
OFF SET □
3568.1'

150' EAST
□ OFF SET
3566.7'

LAT-N 32°53'46.11"
LONG-W 104°30'50.67"
(NAD-83)

□
150' SOUTH
OFF SET
3566.3'

200 0 200 400 FEET

SCALE: 1" = 200'

DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF STATE HWY 82 AND CO. RD. 91,
GO NORTH ON CO. RD. 91 FOR 1.0 MILES TO LEASE ROAD,
ON LEASE ROAD GO NORTH APPROX 3.0 MILES TO LEASE
ROAD, ON LEASE ROAD GO WEST TO PROPOSED LEASE
ROAD.

LCX ENERGY

REF: 1625 STATE #292 / Well Pad Topo

THE 1625 STATE No. 292 LOCATED 1880' FROM
THE NORTH LINE AND 660' FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 16 SOUTH, RANGE 25 EAST,

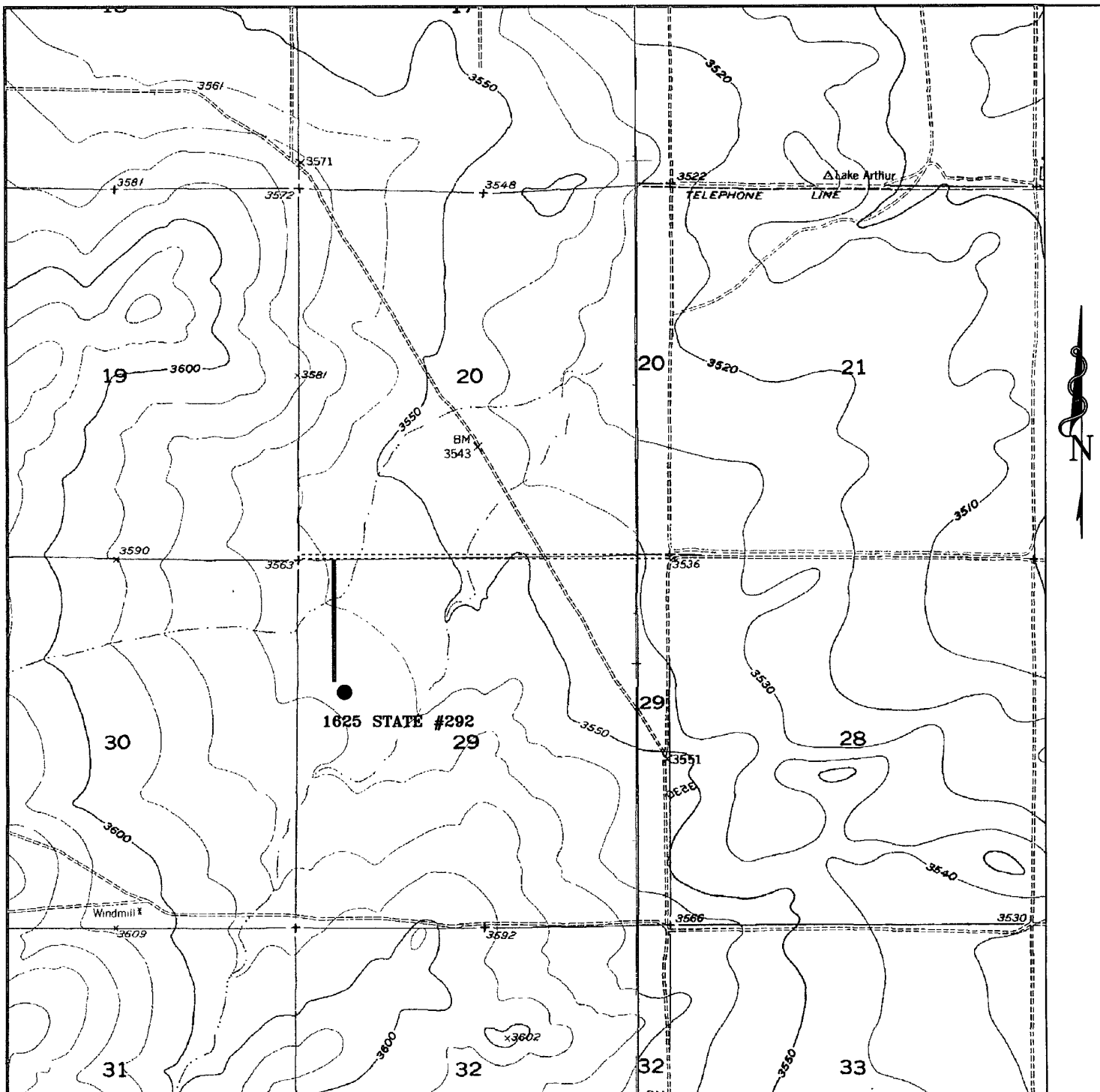
N.M.P.M., EDDY COUNTY, NEW MEXICO.

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

W.O. Number: 19261 Drawn By: J. M. SMALL

Date: 02-21-2008 Disk: 19261W

Survey Date: 02-17-2008 Sheet 1 of 1 Sheets



1625 STATE #292

Located at 1880' FNL and 660' FWL

Section 29, 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

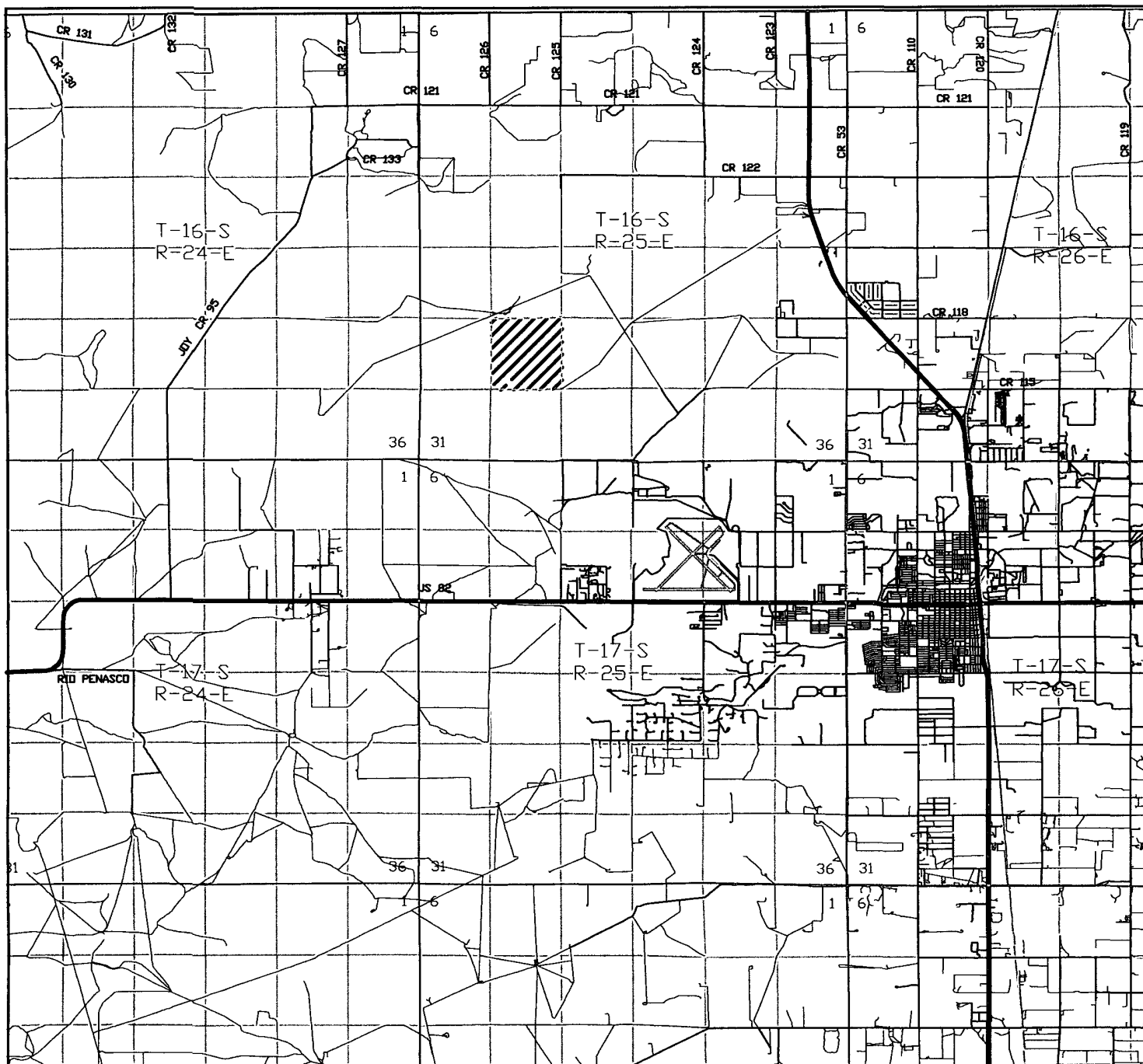
W.O. Number: JMS 19261T

Survey Date: 02-17-2008

Scale: 1" = 2000'

Date: 02-21-2008

LCX ENERGY



1625 STATE #292
 Located at 1880' FNL and 660 FWL
 Section 29, 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
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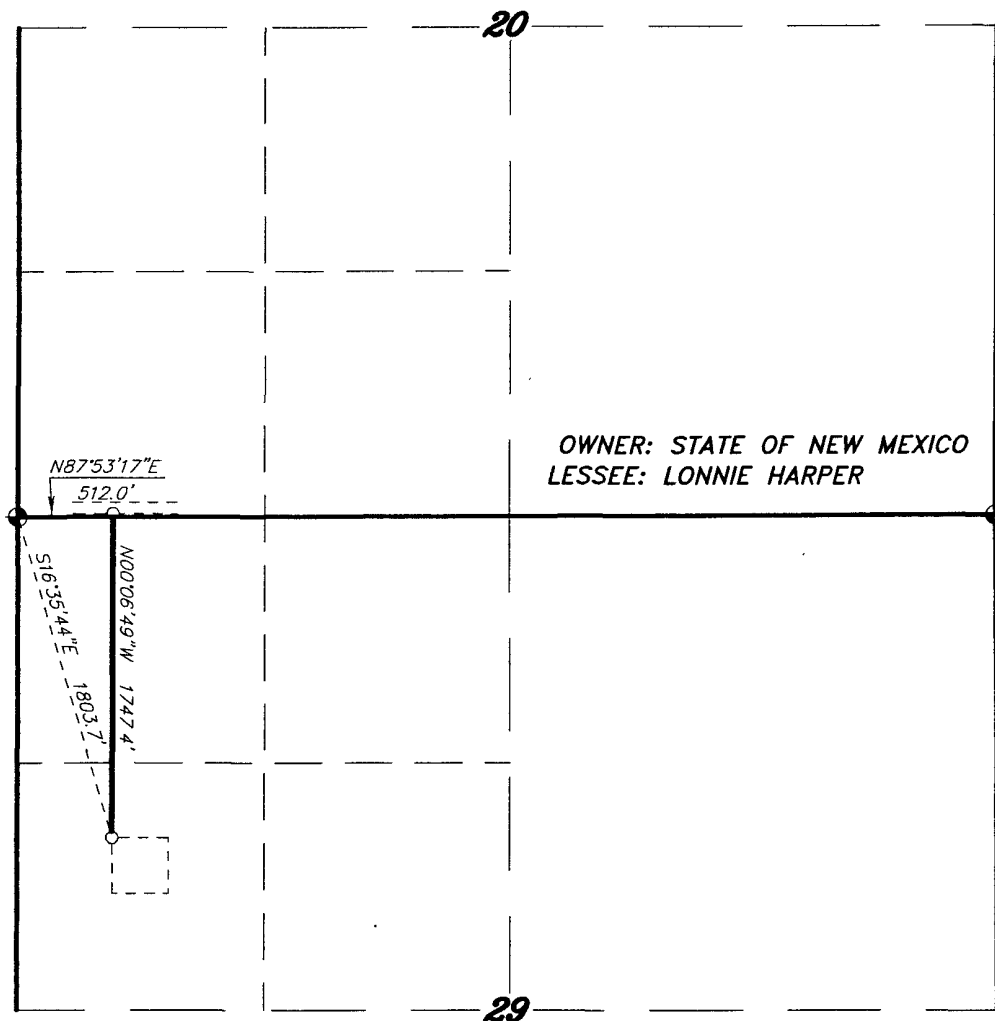
Survey Date: 02-17-2008

Scale: 1" = 2 MILES

Date: 02-21-2008

**LCX
ENERGY**

SECTIONS 20&29, 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 SECTIONS 20&29, 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 S.16°35'44"E., 1803.7 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 29; THENCE N.00°06'49"W., 1747.4 FEET TO THE END OF THIS LINE WHICH LIES N.87°53'17"E., 512.0 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 20. SAID STRIP OF LAND BEING 1747.4 FEET OR 105.90 RODS IN LENGTH AND CONTAINING 0.80 ACRES, MORE OR LESS, AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 NW/4 (SEC 29)= 24.29 RODS = 0.18 ACRES NW/4 NW/4 (SEC 29)= 80.59 RODS = 0.61 ACRES

SW/4 SW/4 (SEC 20)= 1.02 RODS = 0.01 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

1000 0 1000 2000 FEET

LCX ENERGY

REF: PROPOSED ROAD TO THE LCX - 1625 STATE #292

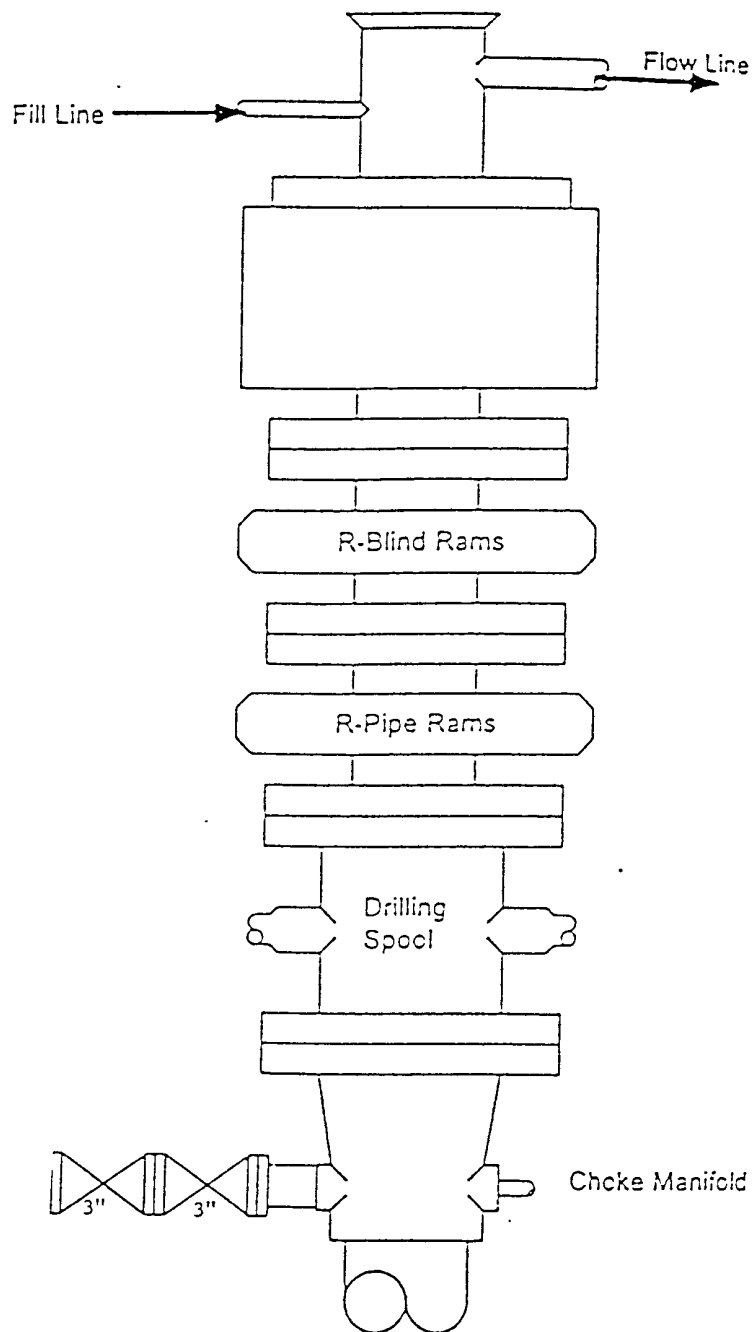
A ROAD CROSSING STATE LAND IN
SECTIONS 20&29, TOWNSHIP 16 SOUTH, RANGE 25 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

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

W.O. Number: 19261 Drawn By: J. M. SMALL

Date: 02-21-2008 Disk: 19261W

Survey Date: 02-17-2008 Sheet 1 of 1 Sheets



Type 900 Series
3000 psi WP

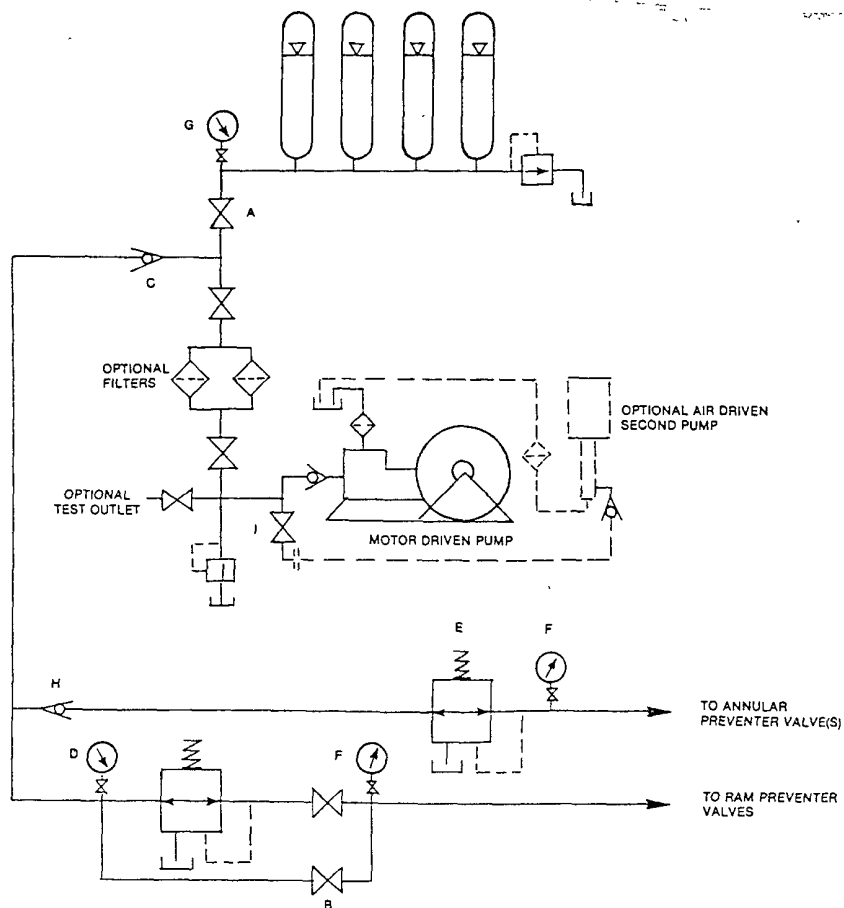


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

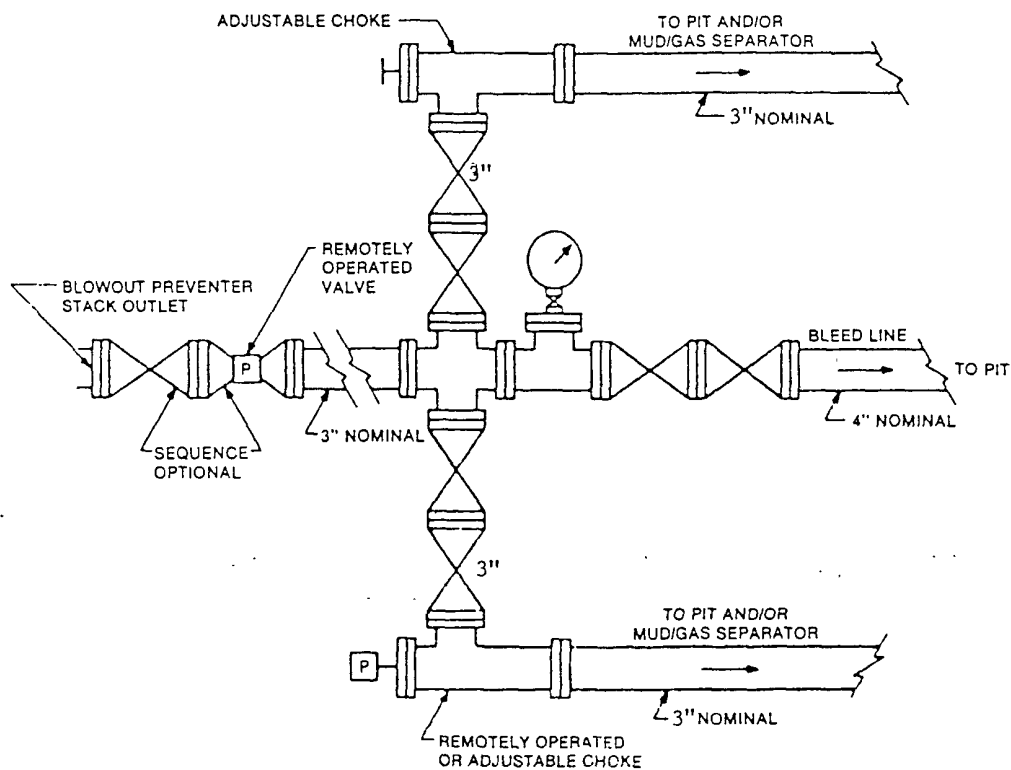


FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service — surface installation.

Proposal



Report Date: February 28, 2008	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy	Vertical Section Azimuth: 89.960°
Field: Eddy County, NM NAD83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1625 State Com #292 / 1625 State Com #292	TVD Reference Datum: RKB
Well: 1625 State Com #292	TVD Reference Elevation: 0.0 ft relative to
Borehole: 1625 State Com #292	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.451°
Survey Name / Date: 1625 State Com #292_r1 / February 28, 2008	Total Field Strength: 49291.547 nT
Tort / AHD / DDI / ERD ratio: 88.956° / 4389.81 ft / 5.855 / 0.891	Magnetic Dip: 60.733°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: February 28, 2008
Location Lat/Long: N 32 53 46.106, W 104 30 55.665	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 689798.265 ftUS, E 485435.602 ftUS	North Reference: Gnd North
Grid Convergence Angle: -0.09891785°	Total Corr Mag North -> Grid North: +8.550°
Grid Scale Factor: 0.99991267	Local Coordinates Referenced To: Well Head

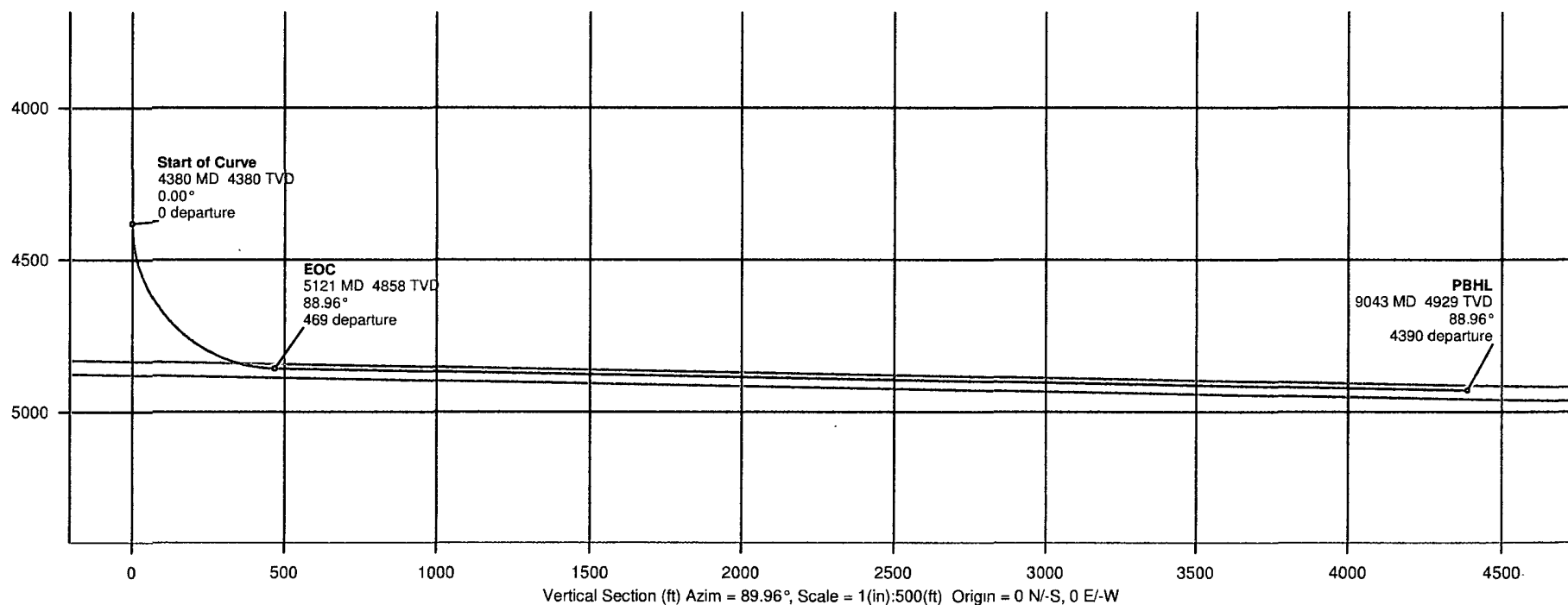
Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)
Tie-In	0.00	0.00	89.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	100.00	0.00	89.96	100.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	200.00	0.00	89.96	200.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	300.00	0.00	89.96	300.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	400.00	0.00	89.96	400.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	500.00	0.00	89.96	500.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	600.00	0.00	89.96	600.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	700.00	0.00	89.96	700.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	800.00	0.00	89.96	800.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	900.00	0.00	89.96	900.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1000.00	0.00	89.96	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1100.00	0.00	89.96	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1200.00	0.00	89.96	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1300.00	0.00	89.96	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1400.00	0.00	89.96	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1500.00	0.00	89.96	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1600.00	0.00	89.96	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1700.00	0.00	89.96	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1800.00	0.00	89.96	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	1900.00	0.00	89.96	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2000.00	0.00	89.96	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2100.00	0.00	89.96	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2200.00	0.00	89.96	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2300.00	0.00	89.96	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2400.00	0.00	89.96	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2500.00	0.00	89.96	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2600.00	0.00	89.96	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2700.00	0.00	89.96	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2800.00	0.00	89.96	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	2900.00	0.00	89.96	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3000.00	0.00	89.96	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3100.00	0.00	89.96	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3200.00	0.00	89.96	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3300.00	0.00	89.96	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3400.00	0.00	89.96	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3500.00	0.00	89.96	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3600.00	0.00	89.96	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3700.00	0.00	89.96	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)	Mag / Grav Tool Face (deg)
	3800.00	0.00	89.96	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	3900.00	0.00	89.96	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	4000.00	0.00	89.96	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	4100.00	0.00	89.96	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	4200.00	0.00	89.96	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	4300.00	0.00	89.96	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	---
Start of Curve	4380.16	0.00	89.96	4380.16	0.00	0.00	0.00	0.00	0.00	0.00	89.96M
	4400.00	2.38	89.96	4399.99	0.41	0.00	0.41	0.41	89.96	12.00	89.96M
	4500.00	14.38	89.96	4498.75	14.96	0.01	14.96	14.96	89.96	12.00	HS
	4600.00	26.38	89.96	4592.31	49.72	0.03	49.72	49.72	89.96	12.00	HS
	4700.00	38.38	89.96	4676.61	103.18	0.07	103.18	103.18	89.96	12.00	HS
	4800.00	50.38	89.96	4747.95	173.00	0.11	173.00	173.00	89.96	12.00	HS
	4900.00	62.38	89.96	4803.22	256.12	0.17	256.12	256.12	89.96	12.00	HS
	5000.00	74.38	89.96	4839.99	348.91	0.22	348.91	348.91	89.96	12.00	HS
EOC	5100.00	86.38	89.96	4856.67	447.33	0.29	447.33	447.33	89.96	12.00	HS
	5121.46	88.96	89.96	4857.54	468.76	0.30	468.76	468.76	89.96	12.00	---
	5200.00	88.96	89.96	4858.97	547.30	0.35	547.29	547.30	89.96	0.00	---
	5300.00	88.96	89.96	4860.80	647.28	0.42	647.28	647.28	89.96	0.00	---
	5400.00	88.96	89.96	4862.62	747.26	0.48	747.26	747.26	89.96	0.00	---
	5500.00	88.96	89.96	4864.44	847.25	0.55	847.25	847.25	89.96	0.00	---
	5600.00	88.96	89.96	4866.26	947.23	0.61	947.23	947.23	89.96	0.00	---
	5700.00	88.96	89.96	4868.08	1047.21	0.68	1047.21	1047.21	89.96	0.00	---
	5800.00	88.96	89.96	4869.91	1147.20	0.74	1147.20	1147.20	89.96	0.00	---
	5900.00	88.96	89.96	4871.73	1247.18	0.80	1247.18	1247.18	89.96	0.00	---
	6000.00	88.96	89.96	4873.55	1347.16	0.87	1347.16	1347.16	89.96	0.00	---
	6100.00	88.96	89.96	4875.37	1447.15	0.93	1447.15	1447.15	89.96	0.00	---
	6200.00	88.96	89.96	4877.19	1547.13	1.00	1547.13	1547.13	89.96	0.00	---
	6300.00	88.96	89.96	4879.02	1647.11	1.06	1647.11	1647.11	89.96	0.00	---
	6400.00	88.96	89.96	4880.84	1747.10	1.13	1747.10	1747.10	89.96	0.00	---
	6500.00	88.96	89.96	4882.66	1847.08	1.19	1847.08	1847.08	89.96	0.00	---
	6600.00	88.96	89.96	4884.48	1947.06	1.26	1947.06	1947.06	89.96	0.00	---
	6700.00	88.96	89.96	4886.31	2047.05	1.32	2047.05	2047.05	89.96	0.00	---
	6800.00	88.96	89.96	4888.13	2147.03	1.38	2147.03	2147.03	89.96	0.00	---
	6900.00	88.96	89.96	4889.95	2247.01	1.45	2247.01	2247.01	89.96	0.00	---
	7000.00	88.96	89.96	4891.77	2347.00	1.51	2347.00	2347.00	89.96	0.00	---
	7100.00	88.96	89.96	4893.59	2446.98	1.58	2446.98	2446.98	89.96	0.00	---
	7200.00	88.96	89.96	4895.42	2546.96	1.64	2546.96	2546.96	89.96	0.00	---
	7300.00	88.96	89.96	4897.24	2646.95	1.71	2646.95	2646.95	89.96	0.00	---
	7400.00	88.96	89.96	4899.06	2746.93	1.77	2746.93	2746.93	89.96	0.00	---
	7500.00	88.96	89.96	4900.88	2846.91	1.84	2846.91	2846.91	89.96	0.00	---
	7600.00	88.96	89.96	4902.70	2946.90	1.90	2946.90	2946.90	89.96	0.00	---
	7700.00	88.96	89.96	4904.53	3046.88	1.96	3046.88	3046.88	89.96	0.00	---
	7800.00	88.96	89.96	4906.35	3146.86	2.03	3146.86	3146.86	89.96	0.00	---
	7900.00	88.96	89.96	4908.17	3246.85	2.09	3246.85	3246.85	89.96	0.00	---
	8000.00	88.96	89.96	4909.99	3346.83	2.16	3346.83	3346.83	89.96	0.00	---
	8100.00	88.96	89.96	4911.81	3446.81	2.22	3446.81	3446.81	89.96	0.00	---
	8200.00	88.96	89.96	4913.64	3546.80	2.29	3546.80	3546.80	89.96	0.00	---
	8300.00	88.96	89.96	4915.46	3646.78	2.35	3646.78	3646.78	89.96	0.00	---
	8400.00	88.96	89.96	4917.28	3746.76	2.42	3746.76	3746.76	89.96	0.00	---
	8500.00	88.96	89.96	4919.10	3846.75	2.48	3846.75	3846.75	89.96	0.00	---
	8600.00	88.96	89.96	4920.93	3946.73	2.54	3946.73	3946.73	89.96	0.00	---
	8700.00	88.96	89.96	4922.75	4046.71	2.61	4046.71	4046.71	89.96	0.00	---
	8800.00	88.96	89.96	4924.57	4146.70	2.67	4146.70	4146.70	89.96	0.00	---
	8900.00	88.96	89.96	4926.39	4246.68	2.74	4246.68	4246.68	89.96	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)	Mag / Grav Tool Face (deg)
	9000.00	88.96	89.96	4928.21	4346.66	2.80	4346.66	4346.66	89.96	0.00	---
PBHL	9043.15	88.96	89.96	4929.00	4389.81	2.83	4389.81	4389.81	89.96	0.00	---

LCX Energy

WELL	1625 State #292	FIELD	Eddy County, NM NAD83	STRUCTURE	1625 State Com #292
Magnetic Parameters		Surface Location		Miscellaneous	
Model	IGRF 2005	Lat	N32 53 46 106	Slot	1625 State Com #292
Dip	80.733°	Lon	W104 30 55 685	Plan	1625 State Com #292_r1
Mag Dec	+8.451°			TVD Ref	RKB (0.00 ft above)
Date	February 28, 2008	North	689788 27 8US	Srvy Date	February 28, 2008
FS	49291.5 nT	Easting	485435 00 8US		
		Grid Conv	-0.09891785°		
		Scale Fact	0.9999126695		



LCX Energy

WELL 1625 State #292	FIELD Eddy County, NM NAD83	STRUCTURE 1625 State Com #292
Magnetic Parameters Model IGRF 2005	Dip 89.733° Mag Dec -48.451° Date February 28, 2008 FS 49231.5 nT	Surface Location Lat N32 53 48.106 Lon W104 30 55.665 NAD83 New Mexico State Plane, Eastern Zone US Feet 660796.27 FUS Northing 485435.69 FUS Easting 0.9999126695 Scale Fact 0.9999126695

Miscellaneous Sheet 1625 State Com #292 Plan 1625 State Com #292.r1	TVD Ref RKB (0.00 ft above) Survey Date February 28, 2008
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