

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 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		2 OGRID Number 218885
APR 17 2008 OCD-ARTESIA		3 API Number 30 - 015-36304
Property Code 36200	Property Name 1625 STATE COM.	Well No. 163
Proposed Pool 1 Cottonwood Creek; 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
D	16	16S	25E		660'	NORTH	660'	WEST	EDDY

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

Work Type Code N		Well Type Code G	Cable/Rotary ROTARY	Lease Type Code S	Ground Level Elevation 3524'
Multiple NO	Proposed Depth TVD-4885 MD-8611'	Formation WOLFCAM	Contractor Big Dog Drilling	Spud Date When approved	
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water	
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐		Pit Volume: 15M ³ bbls		Drilling Method:	
Closed-Loop System ☐		Fresh Water ☒ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐			

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	Conductor	40'	Redi-mix	Surface
17 1/2"	13 3/8"	48#	350' ±	395 Sx.	Surface
12 1/4"	8 5/8"	24#	1200 ±'	450 Sx.	Surface
7 7/8"	5 1/2"	17#	MD-8611 ±'	1100 Sx.	1000' From Sur.

22 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 blow out prevention program, if any. Use additional sheets if necessary.

SEE ATTACHED SHEET FOR DETAIL

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 NMOCDD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved by: Jim W. Green	
Title: Agent		Title: District II Supervisor	
E-mail Address: joejanica@valornet.com		Approval Date: 4/30/08	
Date: 04/16/08		Expiration Date: 4/30/10	
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'.
4. Run and set 1200' of 8-5/8" 24# J55 casing. Cement to surface with Lead: 250 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.

No known presence of any H₂S in this area none of the other wells drilled by LCX ENERGY, LLC. has encountered any H₂S.

Surface hole and intermediate hole will be drilled with fresh water and the cut brine will be used to drill to TD.

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36.304	Pool Code 75250	Pool Name COTTONWOOD CREEK-WOLFCAMP
Property Code 36200	Property Name 1625 STATE COM	Well Number 163
OGRID No. 218885	Operator Name LCX ENERGY	Elevation 3524'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	16 S	25 E		660	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
M	16	16 S	25 E		660	SOUTH	660	WEST	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

SURFACE LOCATION Lat - N32°55'42.61" Long - W104°29'48.54" SPC - 701563.196 E - 191177.135 (NAD-83) BOTTOM HOLE LOCATION Lat - N32°55'03.42" Long - W104°29'48.43" SPC - 697602.175 E - 191179.984 (NAD-83) POINT OF FORMATION ENTRY PROJECT AREA PRODUCING AREA VA-2799 NW/4 V-6920 SW/4 S-L B-H 660' 3961.1'	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. <i>Joe T. Janica</i> Signature Date 04/16/08 Joe T. Janica Printed Name 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. DECEMBER 21, 2007 Date Surveyed Signature of Gary L. Jones Professional Surveyor NEW MEXICO 7977 W.O. No. 18856 Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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EXHIBIT "A"

CO. RD. 122

CO. RD. 122

PROPOSED LEASE ROAD 568.3'

150' NORTH
OFF SET
3524.2'

LCX ENERGY
1625 STATE COM #163
ELEV. - 3524'

150' WEST
OFF SET ☐
.3524.3'

150' EAST
□ OFF SET
.3524 2'

Lat.-N 32°55'42.61"
Long-W 104°29'48.54"
(NAD-83)

□
150' SOUTH
OFF SET
3524.1'

FROM THE JUNCTION OF U.S. HWY 285 AND CO. RD.
122 (COTTONWOOD), GO WEST ON CO. RD. 122 FOR
7.3 MILES TO PROPOSED LEASE ROAD.

200 0 200 400 FEET

SCALE: 1" = 200'

LCX ENERGY

REF: 1625 STATE COM #163 / WELL PAD TOPO

THE 1625 STATE COM #163 LOCATED 660' FROM
THE NORTH LINE AND 660' FROM THE WEST LINE OF
SECTION 16, 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: 18856

Drawn By: J. M. SMALL

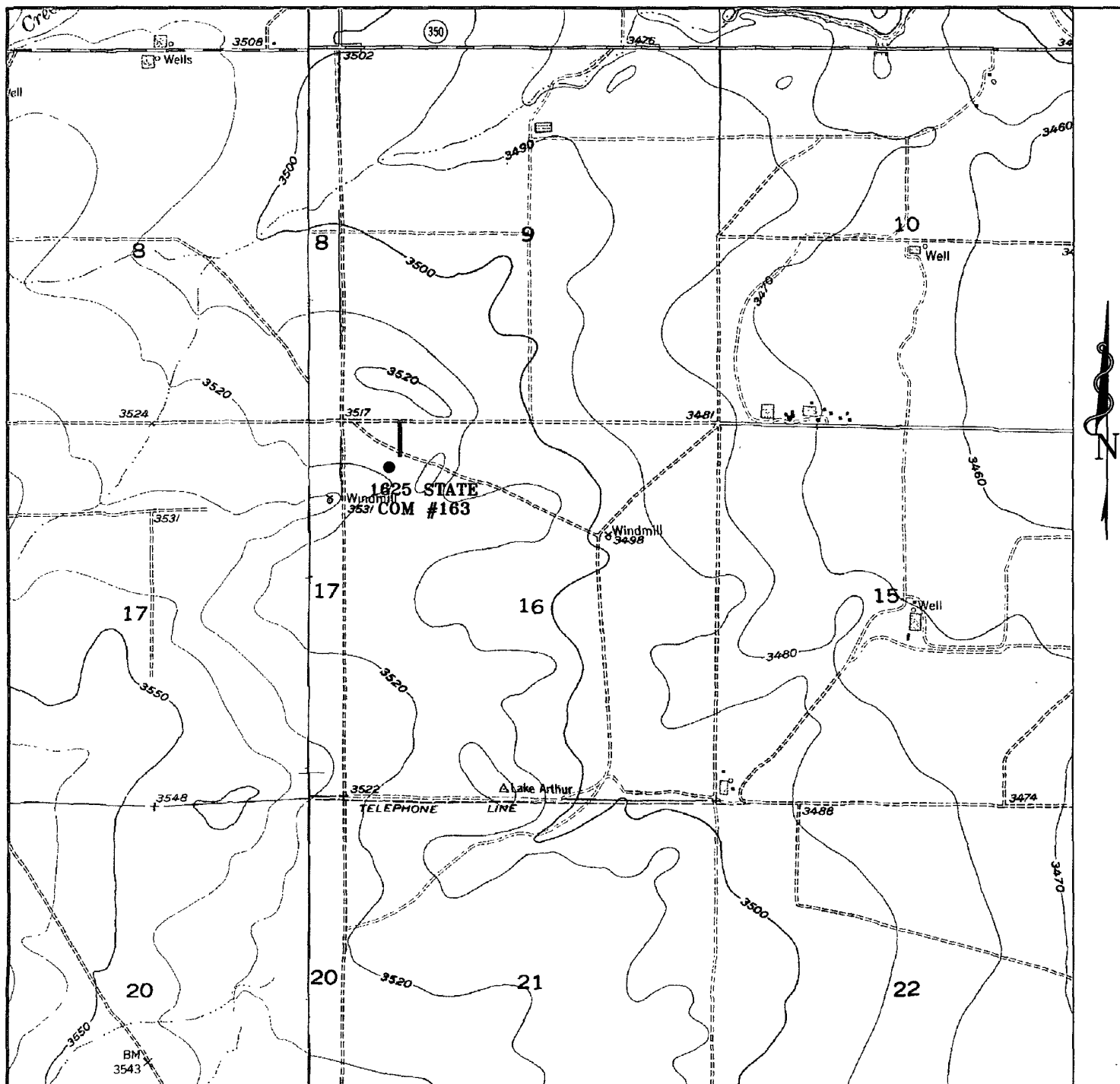
Date: 12-24-2007

Disk: JMS 18856W

Survey Date: 12-21-2007

Sheet 1 of 1

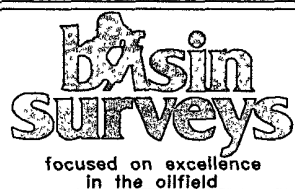
Sheets



1625 STATE COM #163

Located 660' FNL and 660' FWL

Section 16, 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

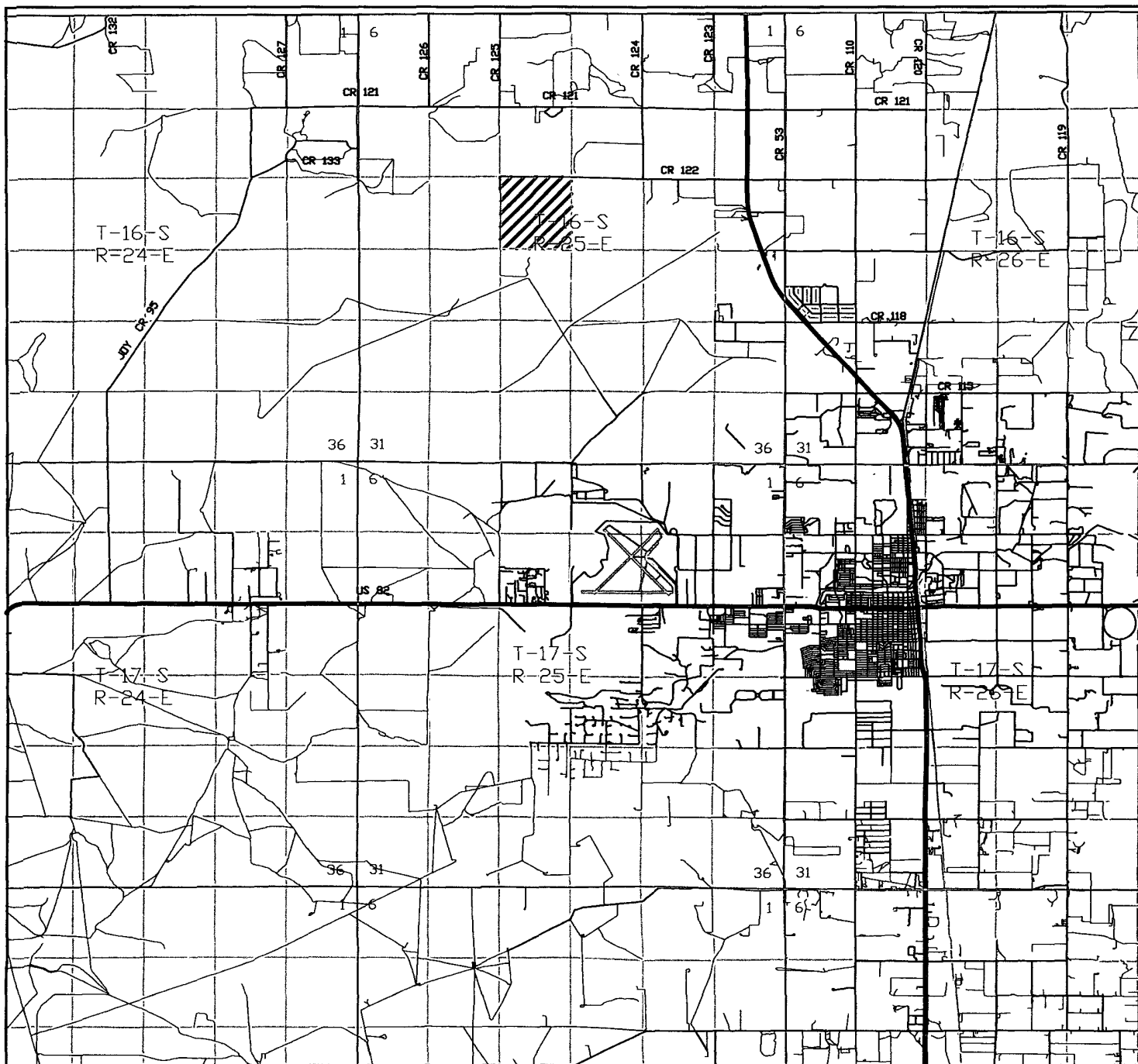
W.O. Number: JMS 18856T

Survey Date: 12-21-2007

Scale: 1" = 2000'

Date: 12-24-2007

**LCX
ENERGY**



1625 STATE COM #163
 Located at 660' FNL and 660 FWL
 Section 16, Township 16 South, Range 25 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

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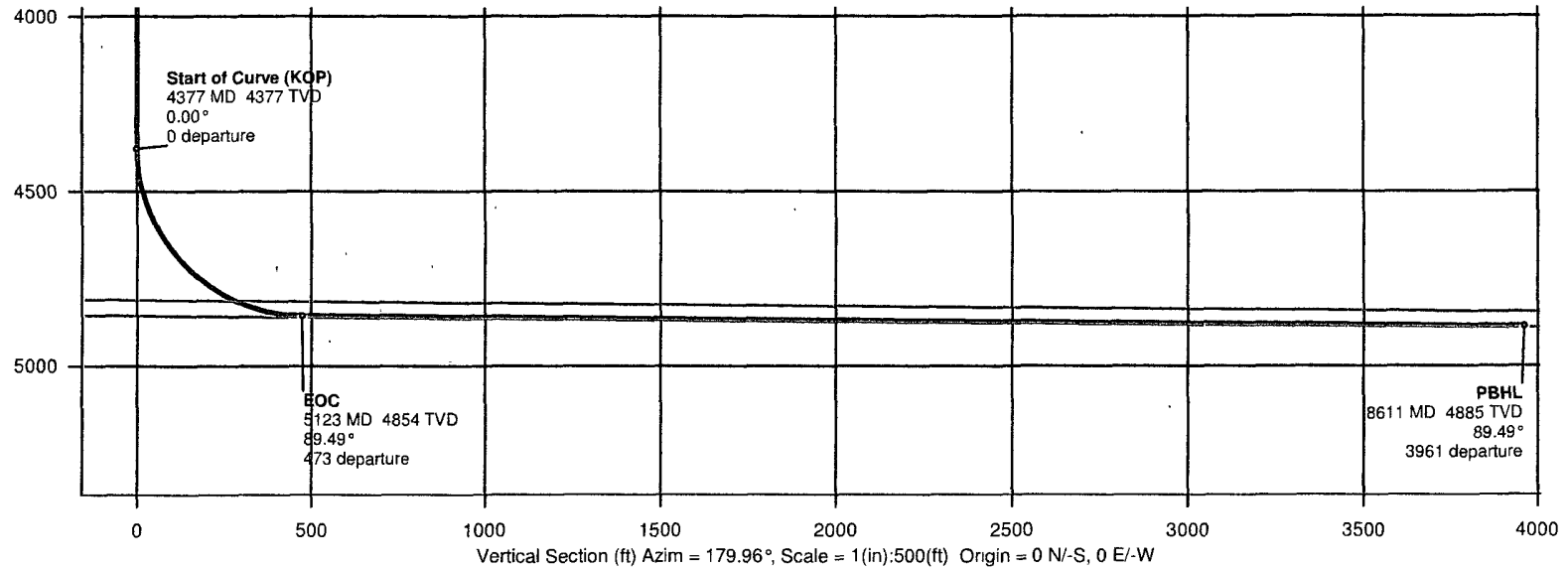
Scale: 1" = 2 MILES

Date: 12-24-2007

LCX
 ENERGY

LCX Energy, LLC.

WELL		1625 State Com #163		FIELD		Eddy County, NM NAD83		STRUCTURE		1625 State Com #163			
Magnetic Parameters				Surface Location				Miscellaneous					
Model	IGRF 2005	Dip	80.763°	Date	April 15, 2008	Lat	N32 55 42.612	NAD83 New Mexico State Plane - Eastern Zone, US Feet	Slot	1625 State Com #163	TVD Ref	RKB (0.00 ft above)	
		Mag Dec	-8.431°	FS	49361.0 nT	Lon	W104 29 48 538	Grid Conv	-0.0888606°	Plan	1625 State Com #163_r1	Srvy Date	April 15, 2008
						Northing	701563.20 NUS	Scale Fact	0.9999119721				
						Eastng	491177.14 EUS						



Proposal

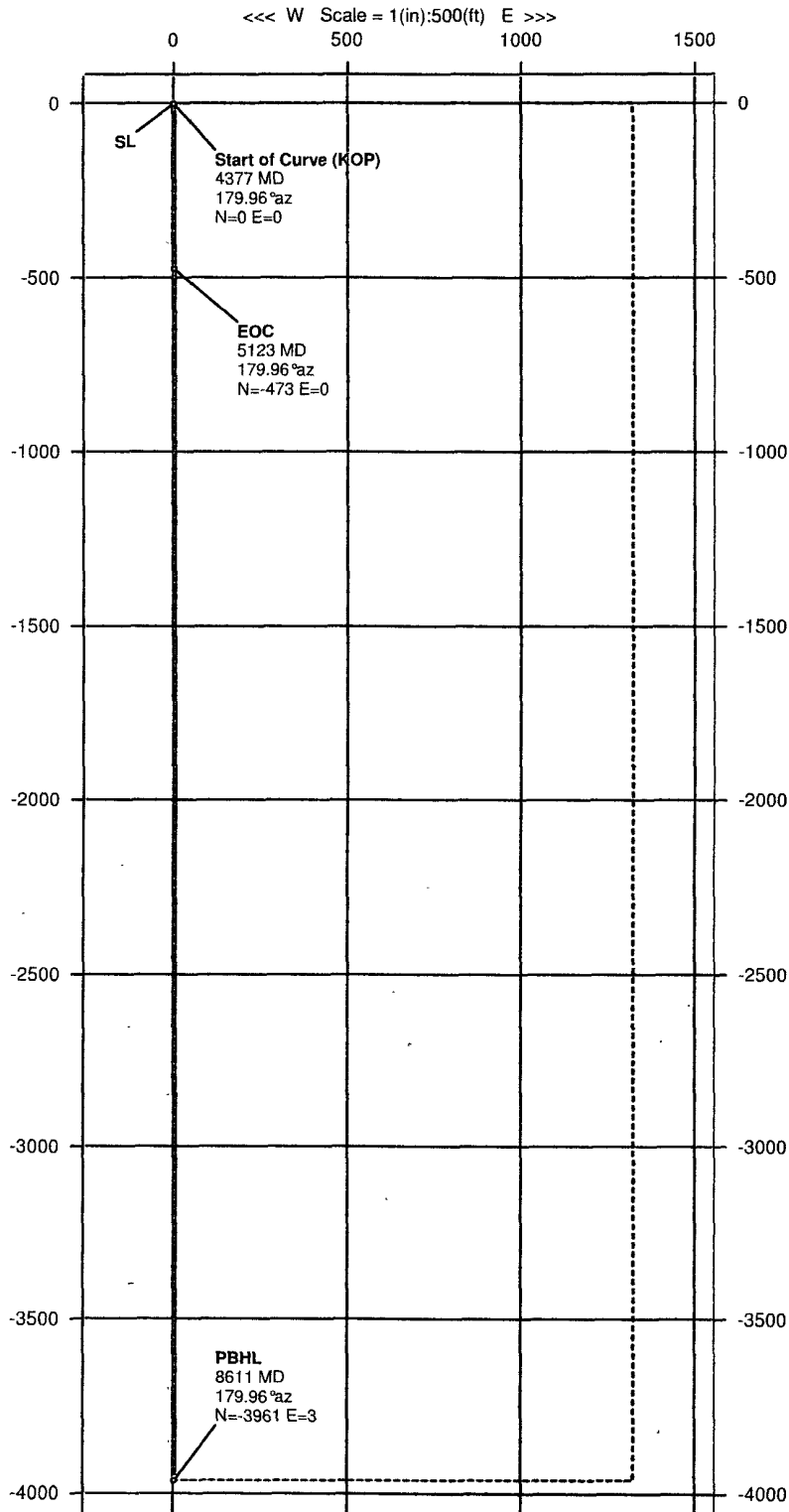
Report Date: April 15, 2008	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy, LLC	Vertical Section Azimuth: 179.959°
Field: Eddy County, NM NAD83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1625 State Com #163 / 1625 State Com #163	TVD Reference Datum: RKB
Well: 1625 State Com #163	TVD Reference Elevation: 0.0 ft relative to
Borehole: 1625 State Com #163	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.431°
Survey Name / Date: 1625 State Com #163_r1 / April 15, 2008	Total Field Strength: 49301.033 nT
Tort / AHD / DDI / ERD ratio: 89.494° / 3961.38 ft / 5.796 / 0.811	Magnetic Dip: 60.763°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: April 15, 2008
Location Lat/Long: N 32 55 42.612, W 104 29 48 538	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 701563 196 ftUS, E 491177 135 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.08886806°	Total Corr Mag North -> Grid North: +8.520°
Grid Scale Factor: 0.99991197	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)	Build Rate (deg/100 ft)	Walk Rate (deg/100 ft)
Tie-In	0.00	0.00	179.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	100.00	0.00	179.96	100.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	200.00	0.00	179.96	200.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	300.00	0.00	179.96	300.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	400.00	0.00	179.96	400.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	500.00	0.00	179.96	500.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	600.00	0.00	179.96	600.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	700.00	0.00	179.96	700.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	800.00	0.00	179.96	800.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	900.00	0.00	179.96	900.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1000.00	0.00	179.96	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1100.00	0.00	179.96	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1200.00	0.00	179.96	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1300.00	0.00	179.96	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1400.00	0.00	179.96	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1500.00	0.00	179.96	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1600.00	0.00	179.96	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1700.00	0.00	179.96	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1800.00	0.00	179.96	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	1900.00	0.00	179.96	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2000.00	0.00	179.96	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2100.00	0.00	179.96	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2200.00	0.00	179.96	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2300.00	0.00	179.96	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2400.00	0.00	179.96	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2500.00	0.00	179.96	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2600.00	0.00	179.96	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2700.00	0.00	179.96	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2800.00	0.00	179.96	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	2900.00	0.00	179.96	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3000.00	0.00	179.96	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3100.00	0.00	179.96	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3200.00	0.00	179.96	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3300.00	0.00	179.96	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3400.00	0.00	179.96	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3500.00	0.00	179.96	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3600.00	0.00	179.96	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3700.00	0.00	179.96	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3800.00	0.00	179.96	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	3900.00	0.00	179.96	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	4000.00	0.00	179.96	4000.00	0.00	0.00	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)	Build Rate (deg/100 ft)	Walk Rate (deg/100 ft)
Start of Curve (KOP)	4100.00	0.00	179.96	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	4200.00	0.00	179.96	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	4300.00	0.00	179.96	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
	4376.74	0.00	179.96	4376.74	0.00	0.00	0.00	0.00	0.00	0.00	179.96M	0.00	0.00
EOC	4400.00	2.79	179.96	4399.99	0.57	-0.57	0.00	0.57	179.96	12.00	179.96M	12.00	0.00
	4500.00	14.79	179.96	4498.64	15.82	-15.82	0.01	15.82	179.96	12.00	HS	12.00	0.00
	4600.00	26.79	179.96	4591.95	51.26	-51.26	0.04	51.26	179.96	12.00	HS	12.00	0.00
	4700.00	38.79	179.96	4675.86	105.32	-105.32	0.08	105.32	179.96	12.00	HS	12.00	0.00
	4800.00	50.79	179.96	4746.70	175.64	-175.64	0.13	175.64	179.96	12.00	HS	12.00	0.00
	4900.00	62.79	179.96	4801.37	259.16	-259.16	0.19	259.16	179.96	12.00	HS	12.00	0.00
	5000.00	74.79	179.96	4837.48	352.21	-352.21	0.25	352.21	179.96	12.00	HS	12.00	0.00
	5100.00	86.79	179.96	4853.45	450.74	-450.74	0.32	450.74	179.96	12.00	HS	12.00	0.00
	5122.52	89.49	179.96	4854.18	473.25	-473.25	0.34	473.25	179.96	12.00	---	12.00	0.00
	5200.00	89.49	179.96	4854.87	550.73	-550.73	0.40	550.73	179.96	0.00	---	0.00	0.00
	5300.00	89.49	179.96	4855.75	650.72	-650.72	0.47	650.72	179.96	0.00	---	0.00	0.00
	5400.00	89.49	179.96	4856.63	750.72	-750.72	0.54	750.72	179.96	0.00	---	0.00	0.00
	5500.00	89.49	179.96	4857.52	850.72	-850.71	0.61	850.72	179.96	0.00	---	0.00	0.00
	5600.00	89.49	179.96	4858.40	950.71	-950.71	0.68	950.71	179.96	0.00	---	0.00	0.00
	5700.00	89.49	179.96	4859.28	1050.71	-1050.71	0.76	1050.71	179.96	0.00	---	0.00	0.00
	5800.00	89.49	179.96	4860.17	1150.70	-1150.70	0.83	1150.70	179.96	0.00	---	0.00	0.00
	5900.00	89.49	179.96	4861.05	1250.70	-1250.70	0.90	1250.70	179.96	0.00	---	0.00	0.00
	6000.00	89.49	179.96	4861.93	1350.70	-1350.70	0.97	1350.70	179.96	0.00	---	0.00	0.00
	6100.00	89.49	179.96	4862.82	1450.69	-1450.69	1.04	1450.69	179.96	0.00	---	0.00	0.00
	6200.00	89.49	179.96	4863.70	1550.69	-1550.69	1.12	1550.69	179.96	0.00	---	0.00	0.00
PBHL	6300.00	89.49	179.96	4864.58	1650.68	-1650.68	1.19	1650.68	179.96	0.00	---	0.00	0.00
	6400.00	89.49	179.96	4865.47	1750.68	-1750.68	1.26	1750.68	179.96	0.00	---	0.00	0.00
	6500.00	89.49	179.96	4866.35	1850.68	-1850.68	1.33	1850.68	179.96	0.00	---	0.00	0.00
	6600.00	89.49	179.96	4867.23	1950.67	-1950.67	1.40	1950.67	179.96	0.00	---	0.00	0.00
	6700.00	89.49	179.96	4868.12	2050.67	-2050.67	1.47	2050.67	179.96	0.00	---	0.00	0.00
	6800.00	89.49	179.96	4869.00	2150.66	-2150.66	1.55	2150.66	179.96	0.00	---	0.00	0.00
	6900.00	89.49	179.96	4869.89	2250.66	-2250.66	1.62	2250.66	179.96	0.00	---	0.00	0.00
	7000.00	89.49	179.96	4870.77	2350.66	-2350.66	1.69	2350.66	179.96	0.00	---	0.00	0.00
	7100.00	89.49	179.96	4871.65	2450.65	-2450.65	1.76	2450.65	179.96	0.00	---	0.00	0.00
	7200.00	89.49	179.96	4872.54	2550.65	-2550.65	1.83	2550.65	179.96	0.00	---	0.00	0.00
	7300.00	89.49	179.96	4873.42	2650.64	-2650.64	1.91	2650.64	179.96	0.00	---	0.00	0.00
	7400.00	89.49	179.96	4874.30	2750.64	-2750.64	1.98	2750.64	179.96	0.00	---	0.00	0.00
	7500.00	89.49	179.96	4875.19	2850.64	-2850.64	2.05	2850.64	179.96	0.00	---	0.00	0.00
	7600.00	89.49	179.96	4876.07	2950.63	-2950.63	2.12	2950.63	179.96	0.00	---	0.00	0.00
	7700.00	89.49	179.96	4876.95	3050.63	-3050.63	2.19	3050.63	179.96	0.00	---	0.00	0.00
	7800.00	89.49	179.96	4877.84	3150.63	-3150.62	2.27	3150.63	179.96	0.00	---	0.00	0.00
	7900.00	89.49	179.96	4878.72	3250.62	-3250.62	2.34	3250.62	179.96	0.00	---	0.00	0.00
	8000.00	89.49	179.96	4879.60	3350.62	-3350.62	2.41	3350.62	179.96	0.00	---	0.00	0.00
	8100.00	89.49	179.96	4880.49	3450.61	-3450.61	2.48	3450.61	179.96	0.00	---	0.00	0.00
	8200.00	89.49	179.96	4881.37	3550.61	-3550.61	2.55	3550.61	179.96	0.00	---	0.00	0.00
PBHL	8300.00	89.49	179.96	4882.25	3650.61	-3650.60	2.63	3650.61	179.96	0.00	---	0.00	0.00
	8400.00	89.49	179.96	4883.14	3750.60	-3750.60	2.70	3750.60	179.96	0.00	---	0.00	0.00
	8500.00	89.49	179.96	4884.02	3850.60	-3850.60	2.77	3850.60	179.96	0.00	---	0.00	0.00
	8600.00	89.49	179.96	4884.90	3950.59	-3950.59	2.84	3950.59	179.96	0.00	---	0.00	0.00
	8610.79	89.49	179.96	4885.00	3961.38	-3961.38	2.85	3961.38	179.96	0.00	---	0.00	0.00

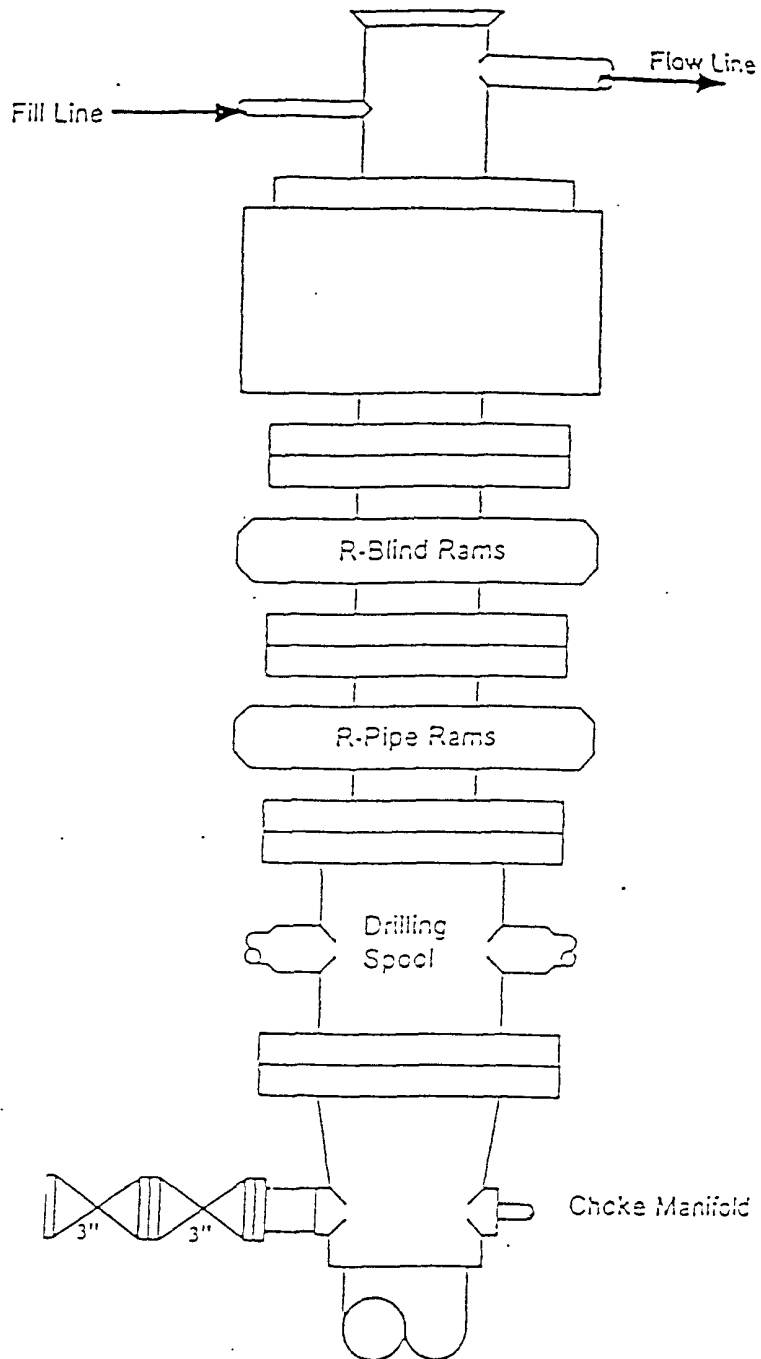
LCX Energy, LLC.

WELL	1625 State Com #163	FIELD	Eddy County, NM NAD83	STRUCTURE	1625 State Com #163
Magnetic Parameters Model IGRF 2015	Dip 69.763° Mag Dec -18.431°	Date April 15, 2008 FS 49301 0 n1	Surface Location Lat N32 55 42 G12 Lon W104 29 48 S38	NAD83 New Mexico State Planes, Eastern Zone, US Feet Northing 701563 20 EUS Easting 491177 14 EUS Grid Conv 0.00000000° Scale Fact 0.9999118721	Miscellaneous SK# 1625 State Com #163 Plan 1625 State Com #163, p1 TVD Ref RKB (0.00 ft above) Srvy Date April 15, 2008



INTREPID
Directional Drilling Specialists





Type 900 Series
3000 psi WP

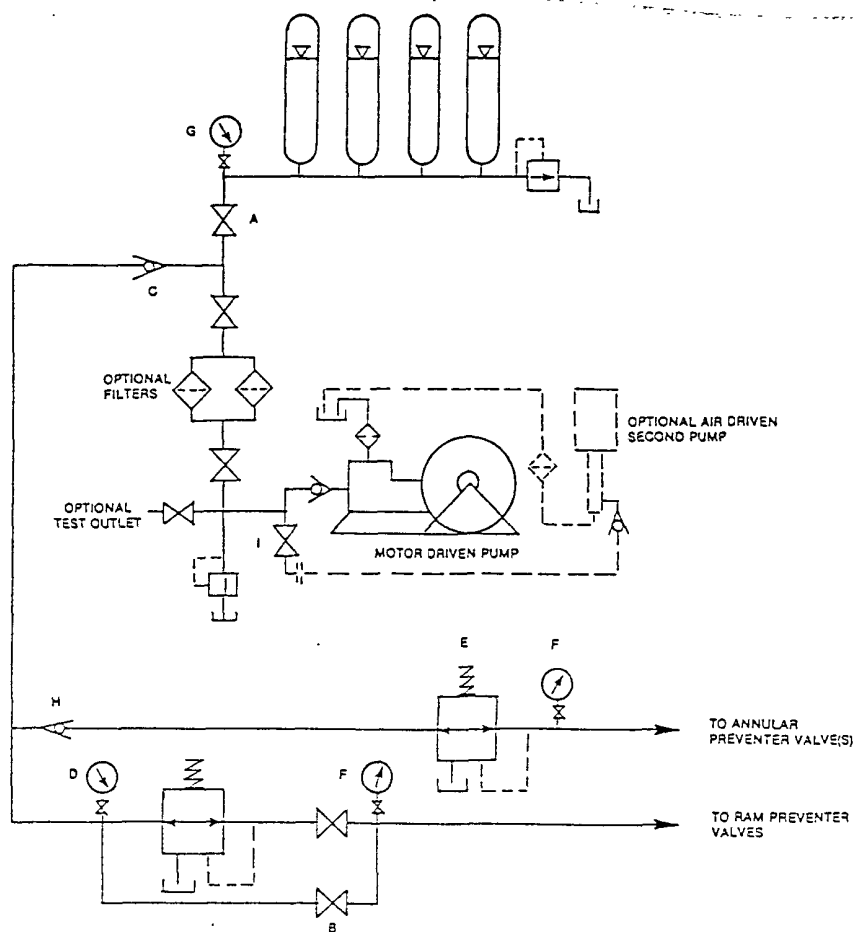


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

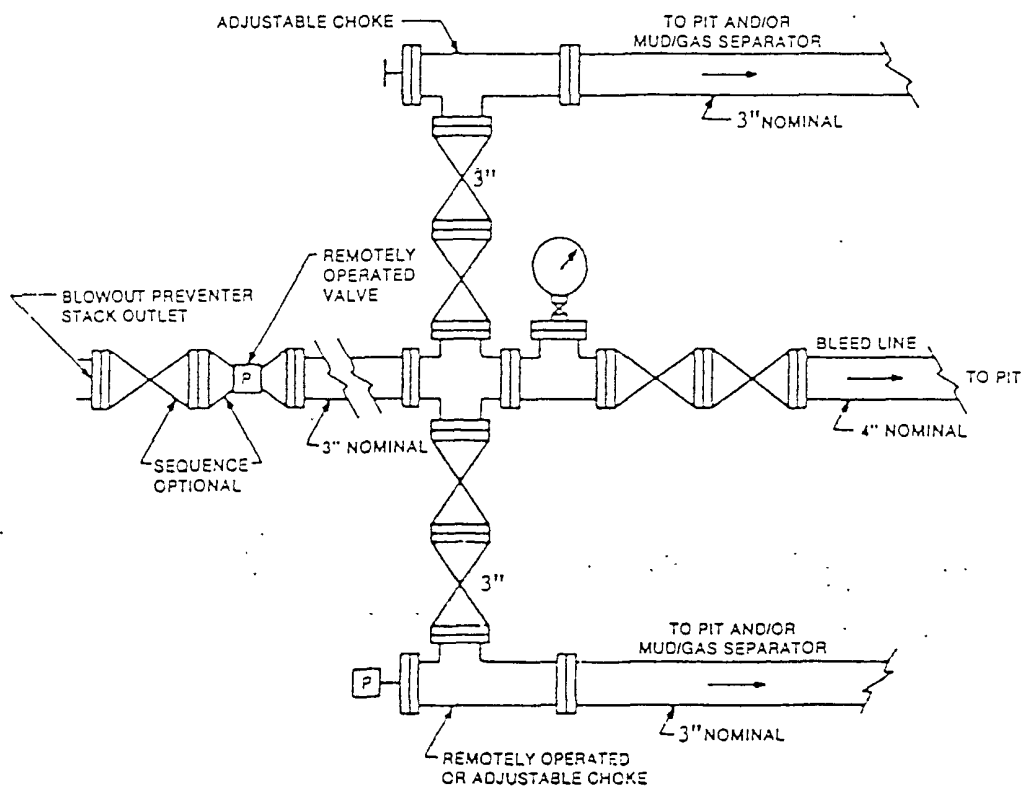


FIGURE K4-2. Typical choke manifold assembly for 5NI rated working pressure service — surface installation.