

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

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. 6 DESTA DRIVE SUITE 6800 MIDLAND, TEXAS 79705		2 OGRID Number 218885
Property Code 34222		Property Name 1625 STATE OOD-ARTEZIA
Proposed Pool 1 -ABO WILDCAT 96048		Well No. 221
Proposed Pool 2		API Number 30 - 015-34155

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North-South line	Feet from the	East-West line	County
A	22	16S	25E		760'	NORTH	660'	EAST	EDDY CO.

8 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
D	22	16S	25E		760'	NORTH	660'	WEST	EDDY CO.

Additional Well Information

11 Work Type Code N	12 Well Type Code G	13 Cable/Rotary ROTARY	14 Lease Type Code P	15 Ground Level Elevation 3473' GR.
16 Multiple NO	17 Proposed Depth TVD 4975' MD 9000	18 Formation ABO	19 Contractor UNKNOWN	20 Spud Date WHEN APPROVED
Depth to Groundwater 100'		Distance from nearest fresh water well .9 Miles		
Distance from nearest surface water COTTONWOOD CREEK 2.5 Mi North				
21 Proposed Casing and Cement Program Hole Size: 26" Casing Size: 20" Casing weight/foot: Conductor Setting Depth: 40' Sacks of Cement: Redi-mix Estimated TOC: 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" 26# 5500' 670 Sx. 1000' FS 6 1/8" 4 1/2" 11.6 MD 9000'TVD4975' No cement Liner not cem.				

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 blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHED SHEET

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

Intermediate

Fresh Water mud to @ 1200'

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: TIM W. GUM	
Title: Agent		DISTRICT II SUPERVISOR	
Approval Date: JUN 14 2005		Expiration Date: JUN 14 2006	
E-mail Address:			
Date: 06/08/05	Phone: 505-391-8503	Conditions of Approval Attached ☐	

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 350'. Run and set 350' of 13 3/8" 48# H-40 ST&C casing. Cement with 450 Sx. of Class "C" cement + 25CaCl, + ¼# Flocele/Sx., circulate cement to surface.
3. Drill 12¼" hole to 1200'. Run and set 1200' of 9 5/8" 36# J-55 ST&C casing. Cement with 375 Sx. of 65/35 Class "C" POZ + 5% NaCl, + 6% Bentonite + ¼# Flocele/Sx., tail in with 100 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
4. Drill 8 3/4" hole to 550'. Run and set 5500' of 7" 26# J=55 LT&C casing. Cement with 500 Sx. of 50/50 Class "C" POZ, + 5% Salt, + 10% Gel, tail in with 170 Sx. of Class "C" cement + additives. Top of cement must be at least 1000' From surface.
5. Run in hole with CIBP and set at 4690'±, run in hole with whipstock and check orientation for 270° West, go in hole with mill and cut a window in 7" casing at 4675'±. Pick up lateral drilling assembly with a 6 1/8" bit and drill a 3960'± lateral to BHL at 760' FNL & 660' FWL SECTION 23 T16S-R25E EDDY CO. NM. TVD 4975'± MD 9000'±.
6. Run and set a 4400' 4½" 11.6# L-80 HDL slotted liner from 9000' MD back to 4600'± liner hanger set at 4600'±. This liner will not be cemented.

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Dr., Hobbs, NM 88240

II
Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name COTTONWOOD CREEK-ABO WILDCAT
Property Code	Property Name 1625 STATE	Well Number 221
OGRID No. 218885	Operator Name LCX ENERGY, LLC	Elevation 3473'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	16 S	25 E		760	NORTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

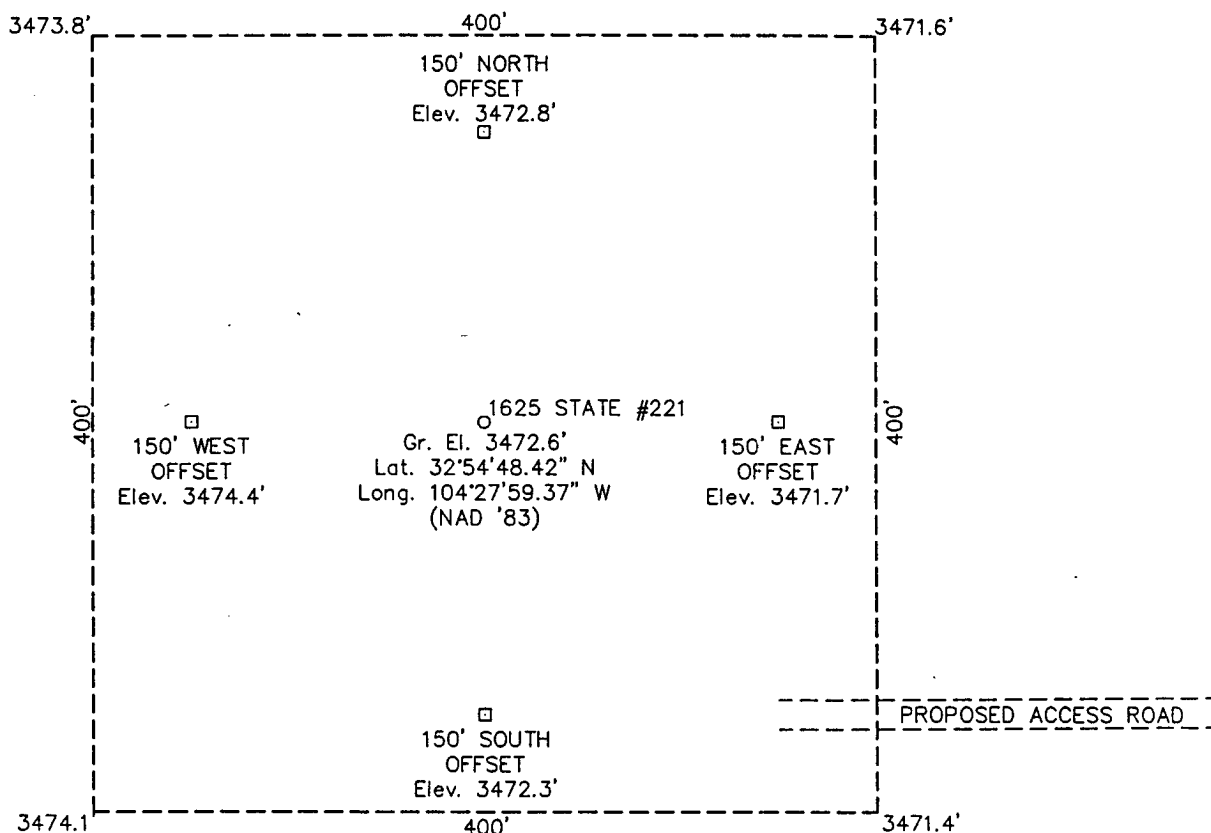
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	16 S	25 E		760	NORTH	660	WEST	EDDY
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

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

Plane Coordinate X = 496,453.8 Y = 606,140.0 (BHL) Plane Coordinate X = 500,474.7 Y = 606,072.9 (KSL) PROJECT AREA PRODUCING AREA	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title Date 06/08/05 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. May 17, 2005 Date Surveyed Signature & Seal of Professional Surveyor W.O. Num. 2005-0430 Certificate No. MACON McDONALD 12185
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NOTE:

- 1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1983. Distances shown hereon are mean horizontal surface values.



DRIVING DIRECTIONS

FROM THE INTERSECTION OF U.S. HIGHWAY 285 AND U.S. HIGHWAY 82 IN ARTESIA, NM GO NORTH AND NORTHWEST ON SAID U.S. HIGHWAY 285 FOR 2.2 MILES. THEN TURN LEFT ON COMPRESS ROAD (COUNTY ROAD 115) AND GO WEST FOR 1.2 MILES TO 26TH STREET THEN TURN RIGHT AND GO NORTH ON 26TH STREET FOR 0.75 MILES TO FRANCO ROAD. THEN TURN LEFT AND GO WEST ON FRANCO ROAD FOR 1 MILE TO AN EXISTING 2 TRACT ROAD. THEN TURN RIGHT AND GO NORTH ON THE EXISTING 2-TRACK ROAD, ALONG THE EAST LINE OF SECTION 26 AND 23, A DISTANCE OF 1.15 MILES TO A POINT FROM WHICH THE PROPOSED LOCATION IS LOCATED WEST, ACROSS PASTURE LAND, APPROXIMATELY 1.1 MILES.



LCX ENERGY, LLC

1625 STATE #221

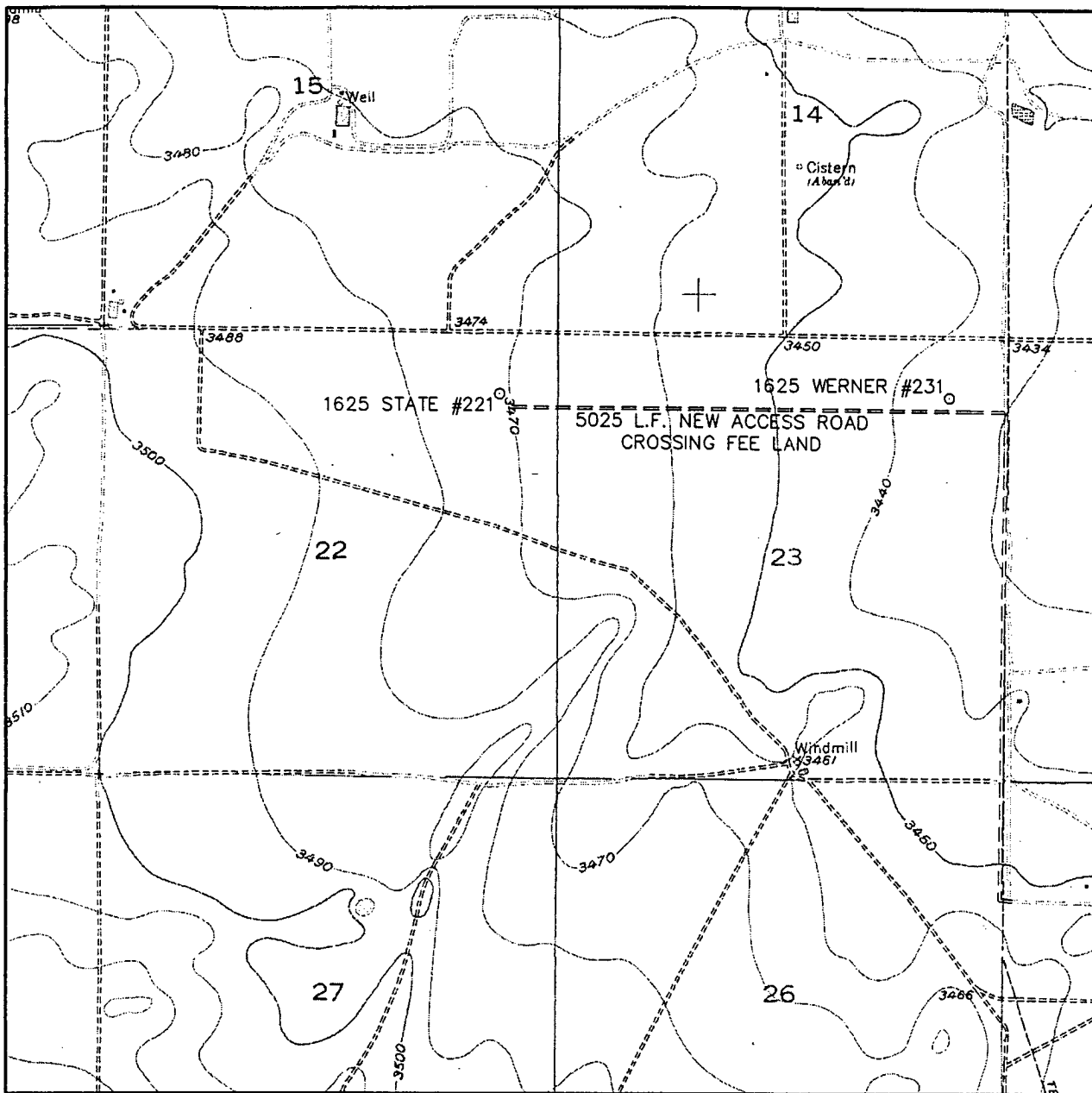
Located 760' FNL & 660' FEL, Section 22
Township 16 South, Range 25 East, N.M.P.M.
Eddy County, New Mexico

Drawn By: LVA	Date: May 23, 2005
Scale: 1"=100'	Field Book: 303 / 11-15
Revision Date:	Quadrangle: Espuela
W.O. No: 2005-0430	Dwg. No.: L-2005-0430-A

**WEST
COMPANY**
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
ESPUELA - 10'

SEC. 22 TWP. 16-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 760' FNL & 660' FEL

ELEVATION 3473'

OPERATOR LCX ENERGY, LLC

LEASE 1625 STATE

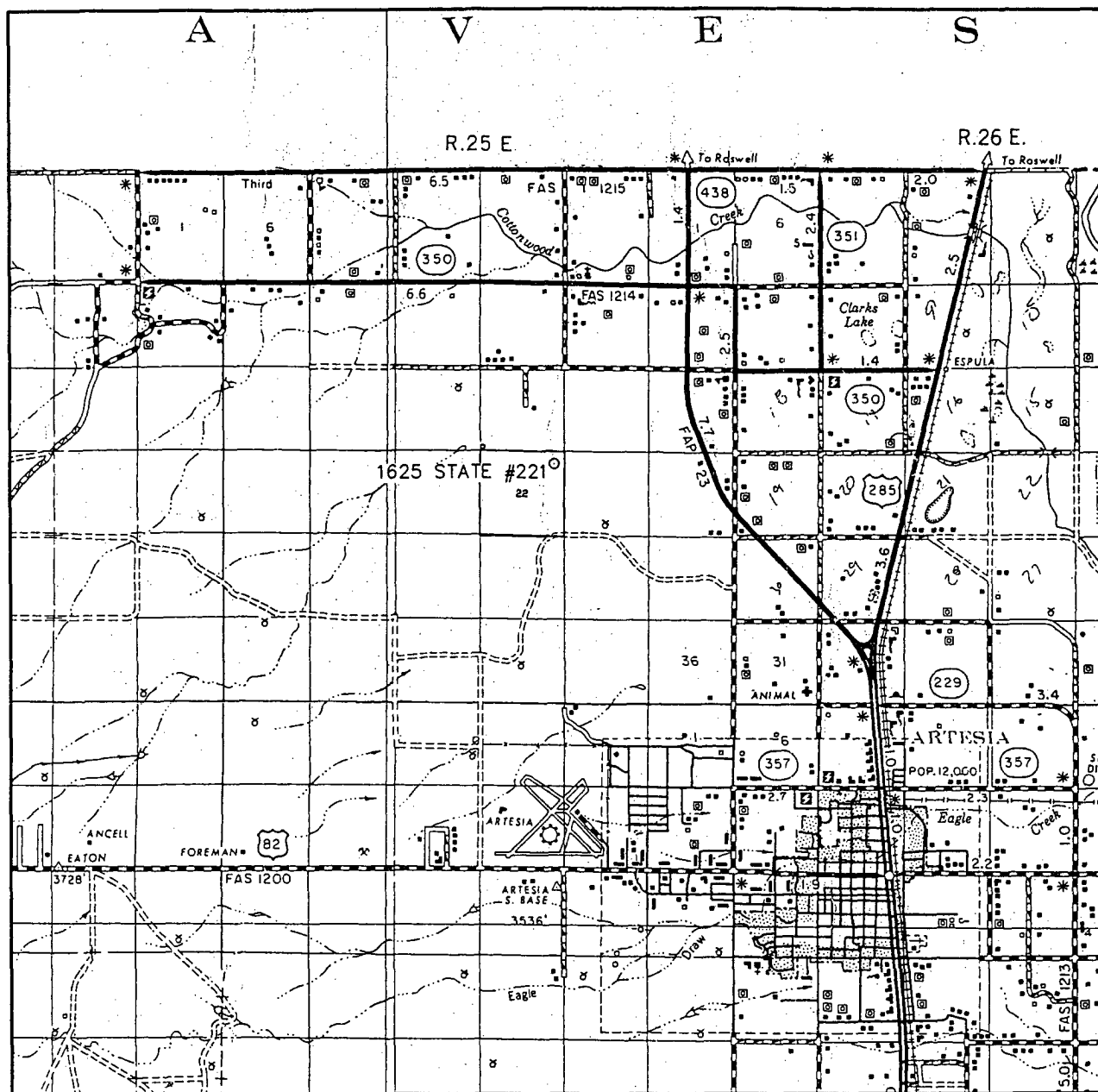
U.S.G.S. TOPOGRAPHIC MAP
ESPUELA, N.M.



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110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 22 TWP. 16-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 760' FNL & 660' FEL

ELEVATION 3473'

OPERATOR LCX ENERGY, LLC

LEASE 1625 STATE

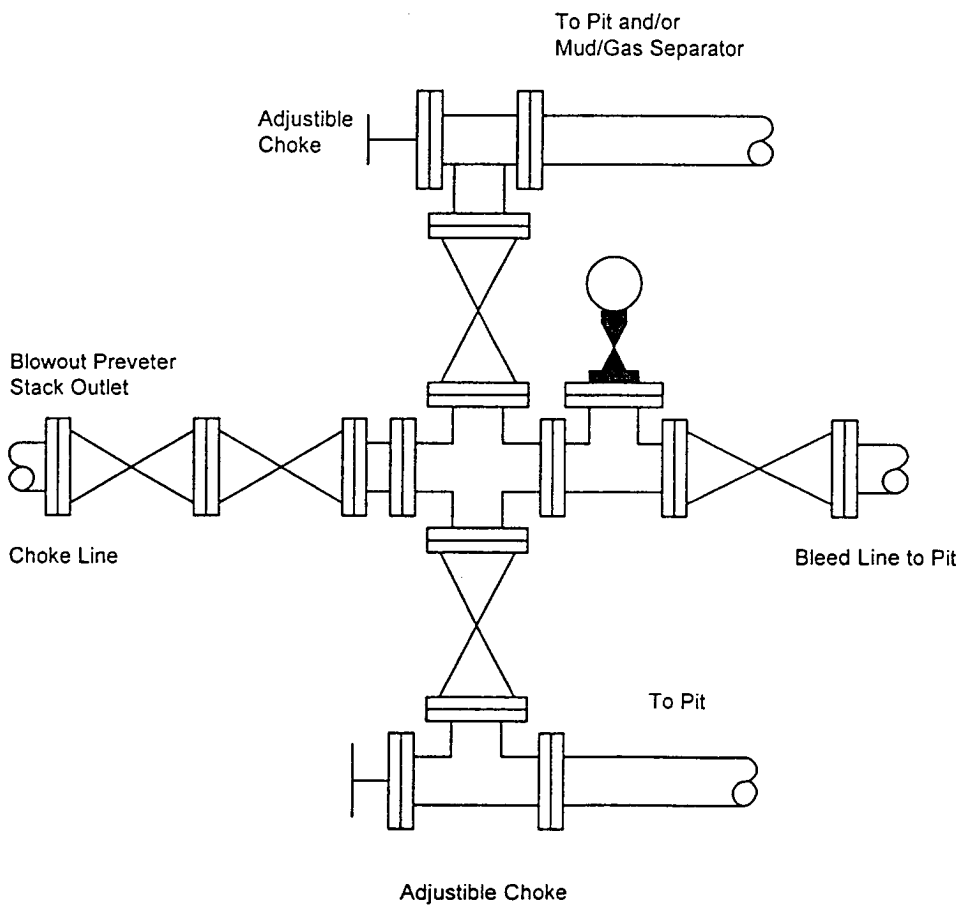


**WEST
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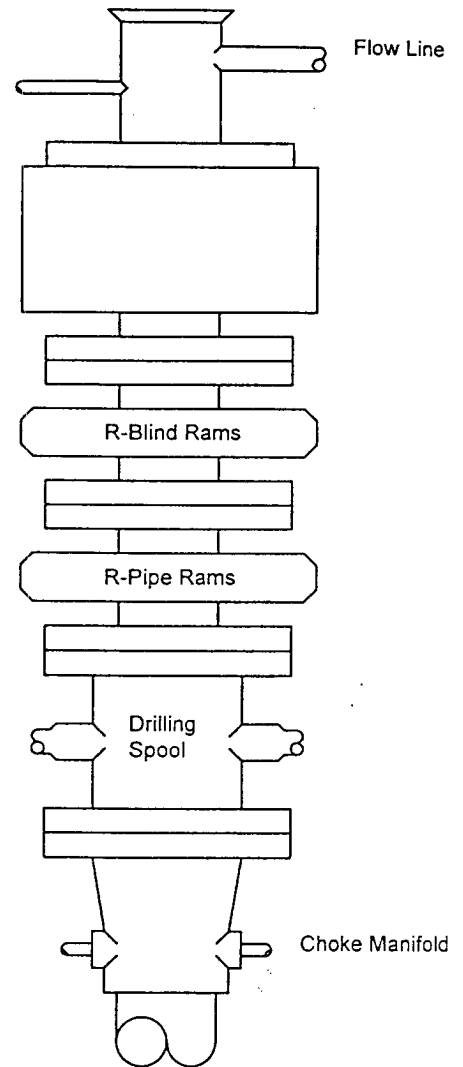
110 W. LOUISIANA, STE. 110
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BLOWOUT PREVENTER SYSTEM

Choke Manifold Assembly for 3M WP System



Fill Line



Type 900 Series
3000 psi WP

Proposal



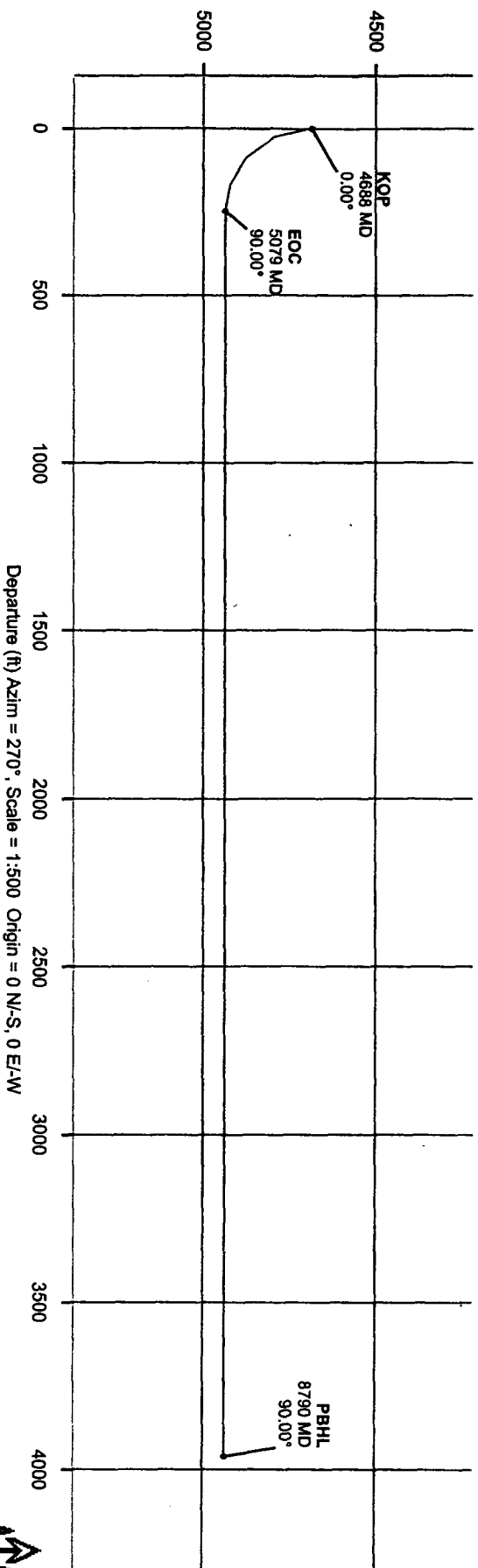
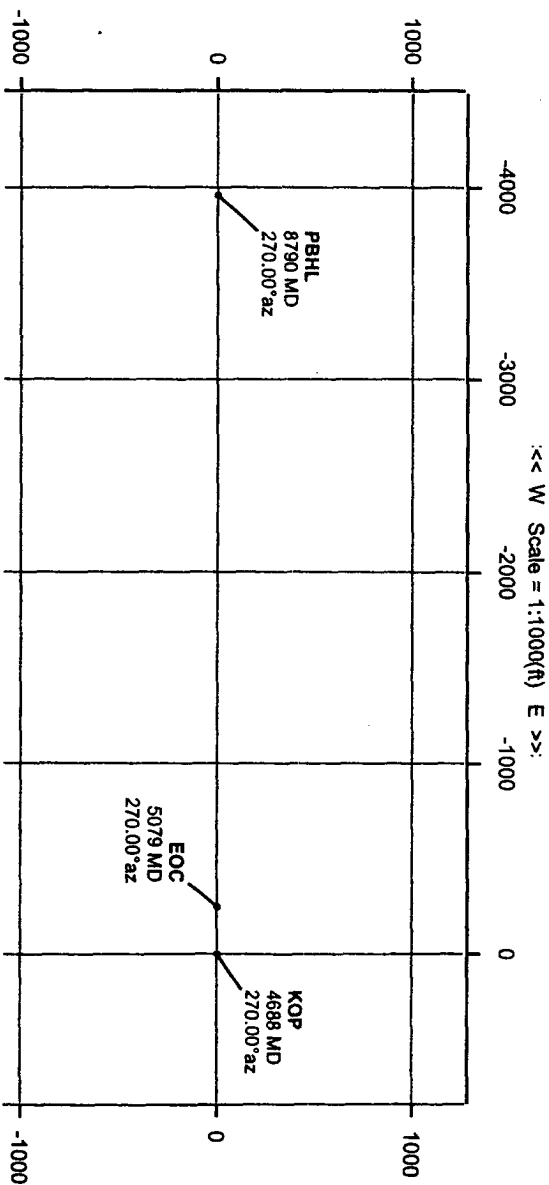
Report Date: June 6, 2005 Client: Endeavor Energy Field: Eddy County, NM Nad 83 Structure / Slot: 1625 ST Com #221 / 1625 ST Com #221 Well: 1625 ST Com #221 Borehole: 1625 ST Com #221 UW/AP#: Survey Name / Date: 1625 ST 221_r1 / June 6, 2005 Tort / AHD / DDI / ERD ratio: 90.000° / 3960.00 ft / 5.802 / 0.802 Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet Location Lat/Long: N 32 27 58.536, W 104 17 54.240 Location Grid N/E Y/X: N 533358.051 ftUS, E 552111.259 ftUS Grid Convergence Angle: +0.01875232° Grid Scale Factor: 0.99990922	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 270.000° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 0.0 ft relative to Sea Bed / Ground Level Elevation: 0.000 ft relative to Magnetic Declination: 8.638° Total Field Strength: 49318.957 nT Magnetic Dip: 60.427° Declination Date: June 06, 2005 Magnetic Declination Model: IGRF 2005 North Reference: Grid North Total Corr Mag North -> Grid North: +8.619° Local Coordinates Referenced To: Well Head
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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	0.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-90.00M
KOP	4687.89	0.00	270.00	4687.89	0.00	0.00	0.00	0.00	0.00	0.00	-90.00M
	4700.00	2.79	270.00	4700.00	0.29	-0.00	-0.29	0.29	270.00	23.00	-90.00M
	4800.00	25.79	270.00	4796.25	24.80	-0.00	-24.80	24.80	270.00	23.00	0.00G
	4900.00	48.79	270.00	4875.28	84.98	-0.00	-84.98	84.98	270.00	23.00	0.00G
	5000.00	71.79	270.00	4924.52	171.25	-0.00	-171.25	171.25	270.00	23.00	0.00G
EOC	5079.19	90.00	270.00	4937.00	249.11	-0.00	-249.11	249.11	270.00	23.00	0.00G
PBHL	8790.08	90.00	270.00	4937.00	3960.00	-0.00	-3960.00	3960.00	270.00	0.00	0.00G

Endeavor Energy

WELL 1625 ST Com #221 FIELD Eddy County, NM Nad 83 STRUCTURE 1625 ST Com #221

Map/Site Parameters	Dr: 80.427'	Date: June 08, 2006	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous	TVD Ref: PBH (0.00 ft above)
Model: IORF 2005	Mag Dec: 48.638°	ES: 48315.0 m	Lat: N32 27 54.638	Northings: 533358.05 M/S	Shc: 1625 ST Com #221	Srv Date: Mon 08 40 AM June 08 2005
			Long: W104 17 54.240	Eastings: 832117.26 M/S	Plan: 1625 ST 221.r1	
				Scale Feet: 0.8000002235		



ENDERB
Directional Drilling Specialists

