

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 S. 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 1724 SMITH "14"		API Number 30 - 015-35363
Proposed Pool 1 COLLINS RANCH-WOLFCAMP (75010)		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
M	14	17S	24E		660'	South	760'	WEST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	14	17S	24E		660'	NORTH	760'	WEST	EDDY

Work Type Code N	Well Type Code G	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3732'
Multiple NO	Proposed Depth MD-8697' TVD-4960'	Formation WOLFCAMP	Contractor BIG DOG DRILLING	Spud Date WHEN APPROVED
Depth to Groundwater 280'		Distance from nearest fresh water well .5 Mi NE		Distance from nearest surface water None known
Liner: Synthetic ☒ 12' tails thick Clay ☐		Pit Volume: 18Mbbbls		
Closed-Loop System ☐		Drilling Method: Fresh Water ☒ Brine ☒ Diesel Oil-based ☐ Gas/Air ☐		

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#		600 Sx.	Est TOC 1000'

Verify tie back by CBS or Temp Survey

** 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 & 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. ARANT	
Title: Agent		DISTRICT II GEOLOGIST	
E-mail Address: joejanica@valornet.com		Approval Date: JAN 15 2007	
Date: 01/09/07		Expiration Date: JAN 15 2008	
Phone: 505-391-8503		Conditions of Approval Attached ☐	

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

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

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	Pool Name
	75010	COLLINS RANCH-WOLFCAMP
Property Code	Property Name	Well Number
	1724 SMITH "14"	1
OGRID No.	Operator Name	Elevation
218885	LCX ENERGY	3732'

Surface Location

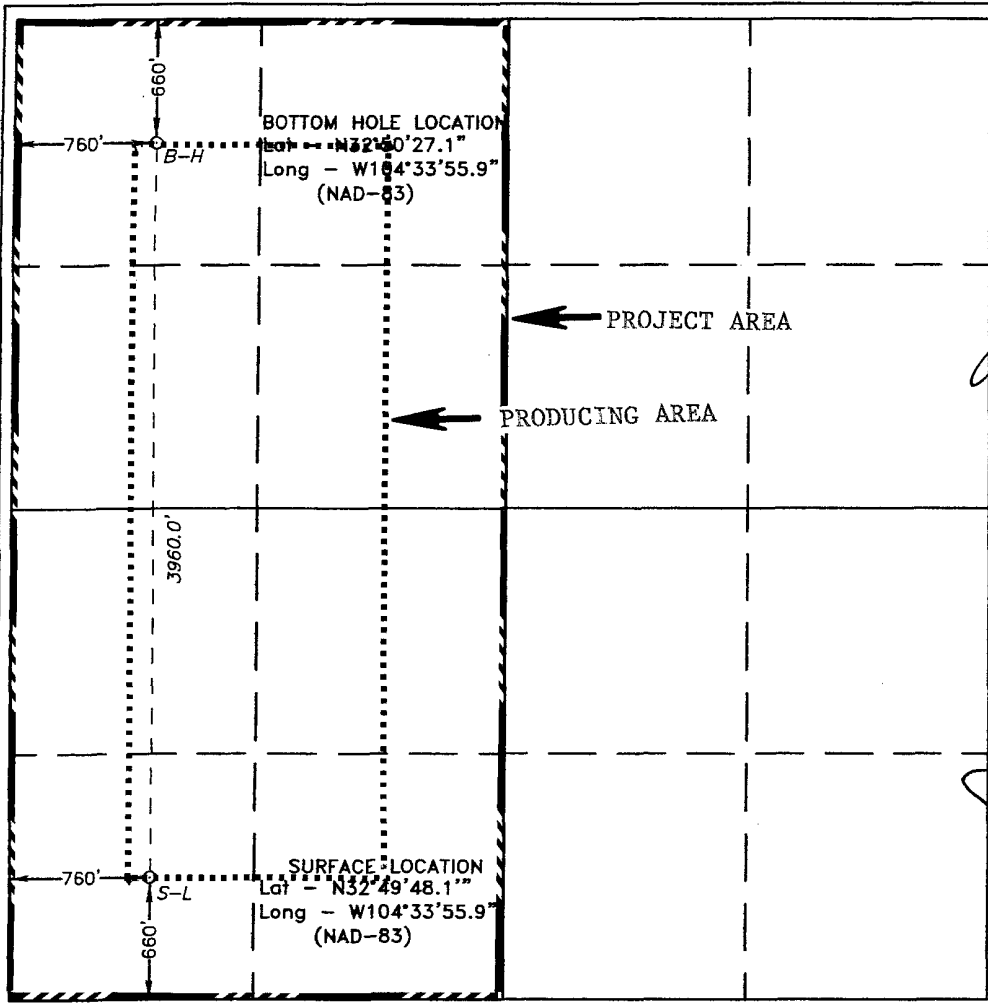
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	14	17 S	24 E		660	SOUTH	760	WEST	EDDY

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
D	14	17 S	24 E		660	NORTH	760	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

	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 01/09/07 Joe T. Janica Printed Name Agent 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 01, 2005 Date Surveyed Signature & Seal of Professional Surveyor 7977 Certificate No. 7977 BASIN SURVEYS
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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.

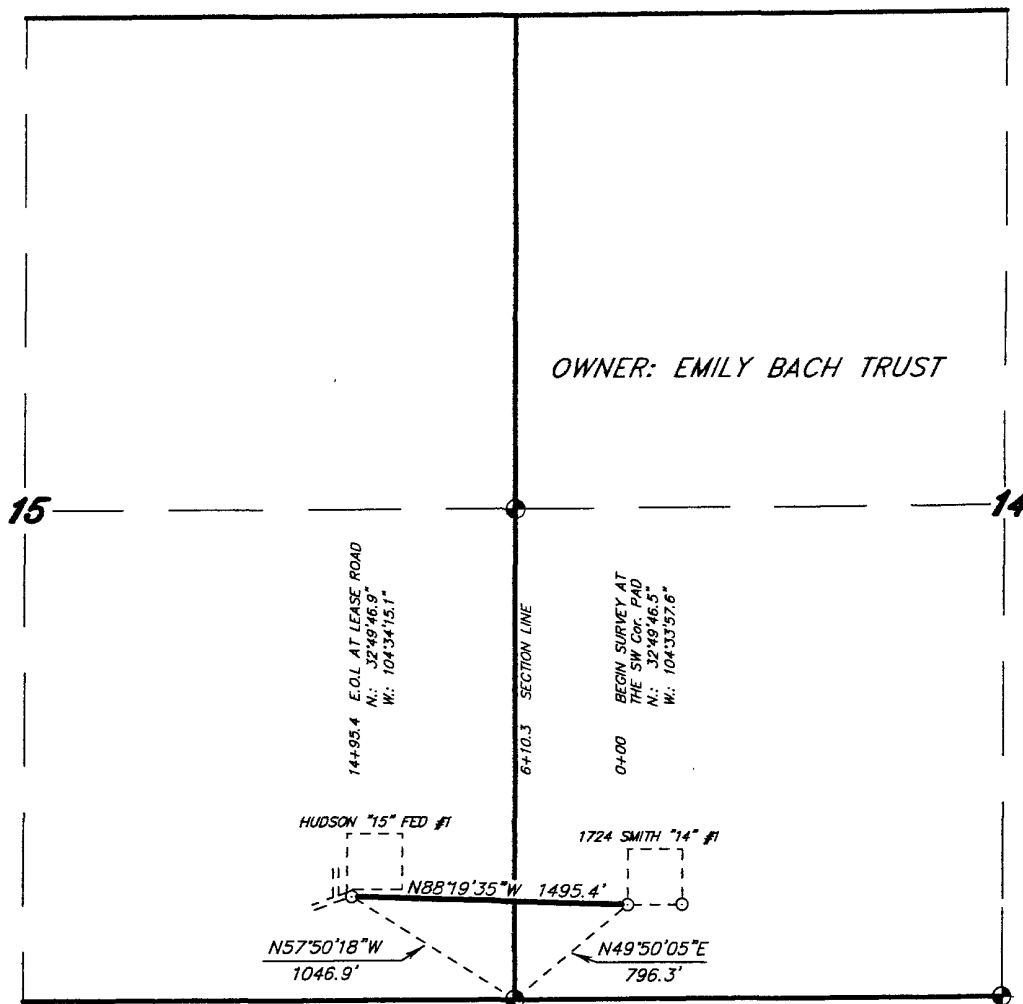
If hole conditions dictate running a 7" contingency string in the 8-3/4" hole :

- 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.

SECTION 14&15, TOWNSHIP 17 SOUTH, RANGE 24 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



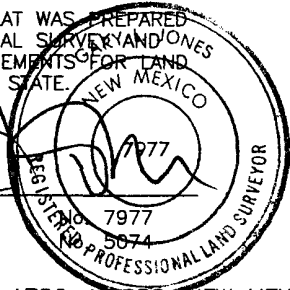
LEGAL DESCRIPTION

A STRIP OF LAND 20.0 FEET WIDE, LOCATED IN SECTIONS 14&15, TOWNSHIP 17 SOUTH, RANGE 24 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.49°50'05"E., 796.3 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 14; THENCE N.88°19'35"W., 1495.4 FEET TO THE END OF THIS LINE WHICH LIES N.57°50'18"W., 1046.9 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 15. SAID STRIP OF LAND BEING 1495.4 FEET OR 90.63 RODS IN LENGTH.

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

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



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

LCX ENERGY

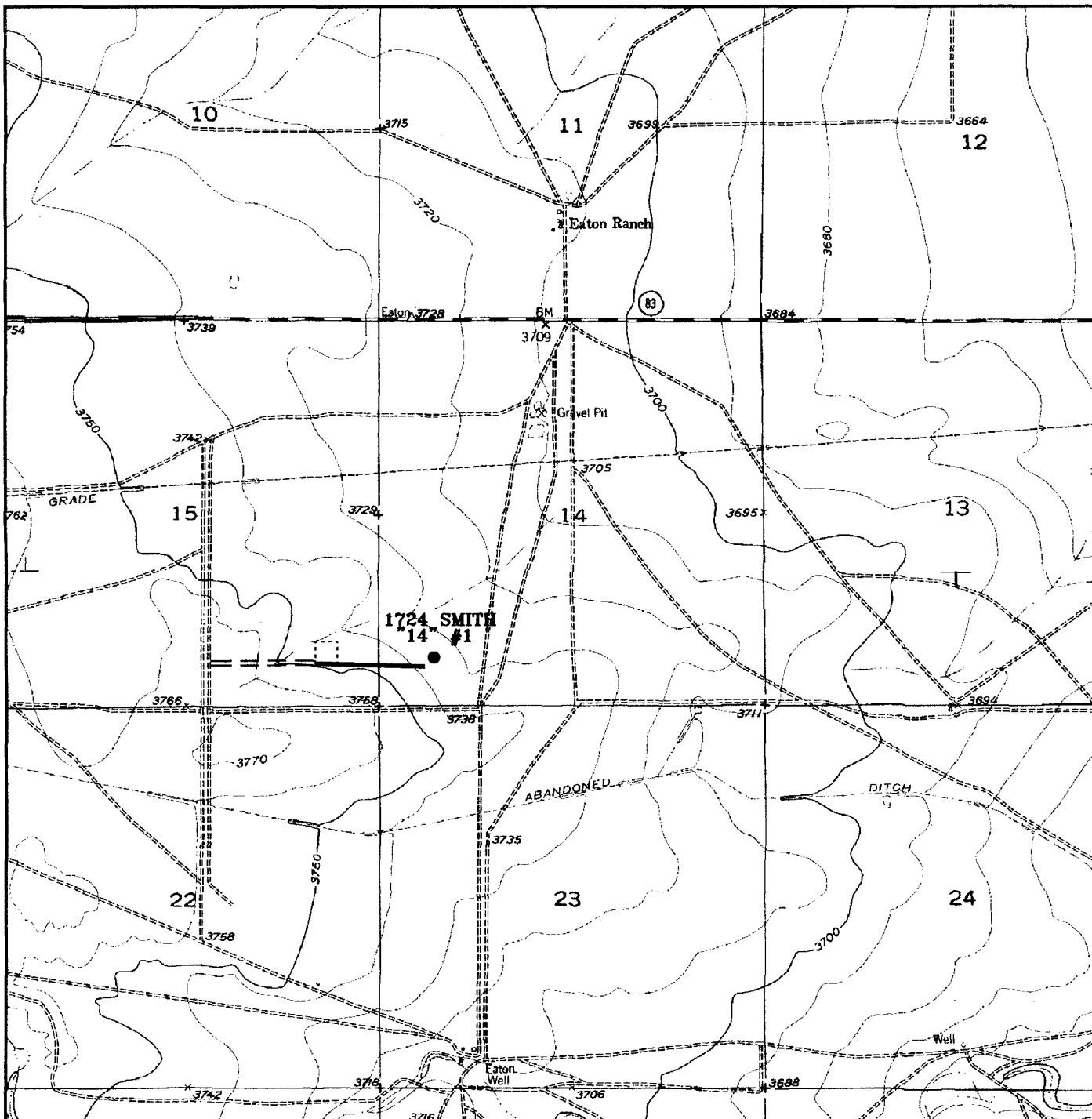
REF: PROPOSED ROAD TO THE LCX - 1724 SMITH "14" #1

A ROAD CROSSING FEE LAND IN
SECTIONS 14&15, TOWNSHIP 17 SOUTH, RANGE 24 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

W.O. Number: 17550 Drawn By: J. M. SMALL

Date: 12-12-2006 Disk: JMS 17550R

Survey Date: 12-01-2006 Sheet 1 of 1 Sheets



PROPOSED LEASE ROAD TO THE 1724 SMITH "14" #1
 Section 14, Township 17 South, Range 24 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

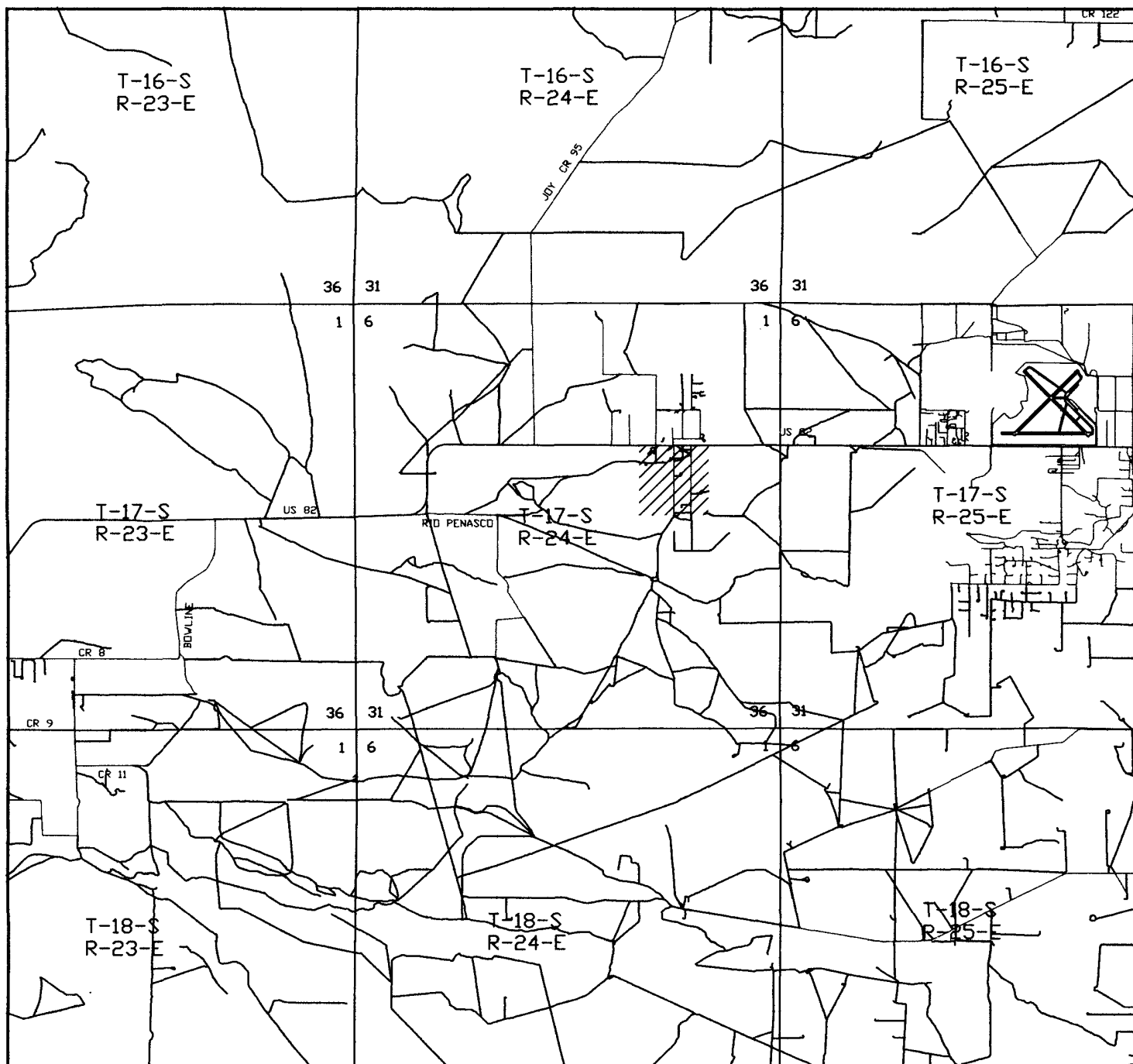
W.O. Number: JMS 17550T

Survey Date: 12-01-2006

Scale: 1" = 2000'

Date: 12-12-2006

LCX
ENERGY



1724 SMITH "14" #1
 Located 660' FSL and 760' FWL
 Section 14, Township 17 South, Range 24 East,
 N.M.P.M., Eddy County, New Mexico.

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

W.O. Number: JMS 17452T

Survey Date: 12-01-2006

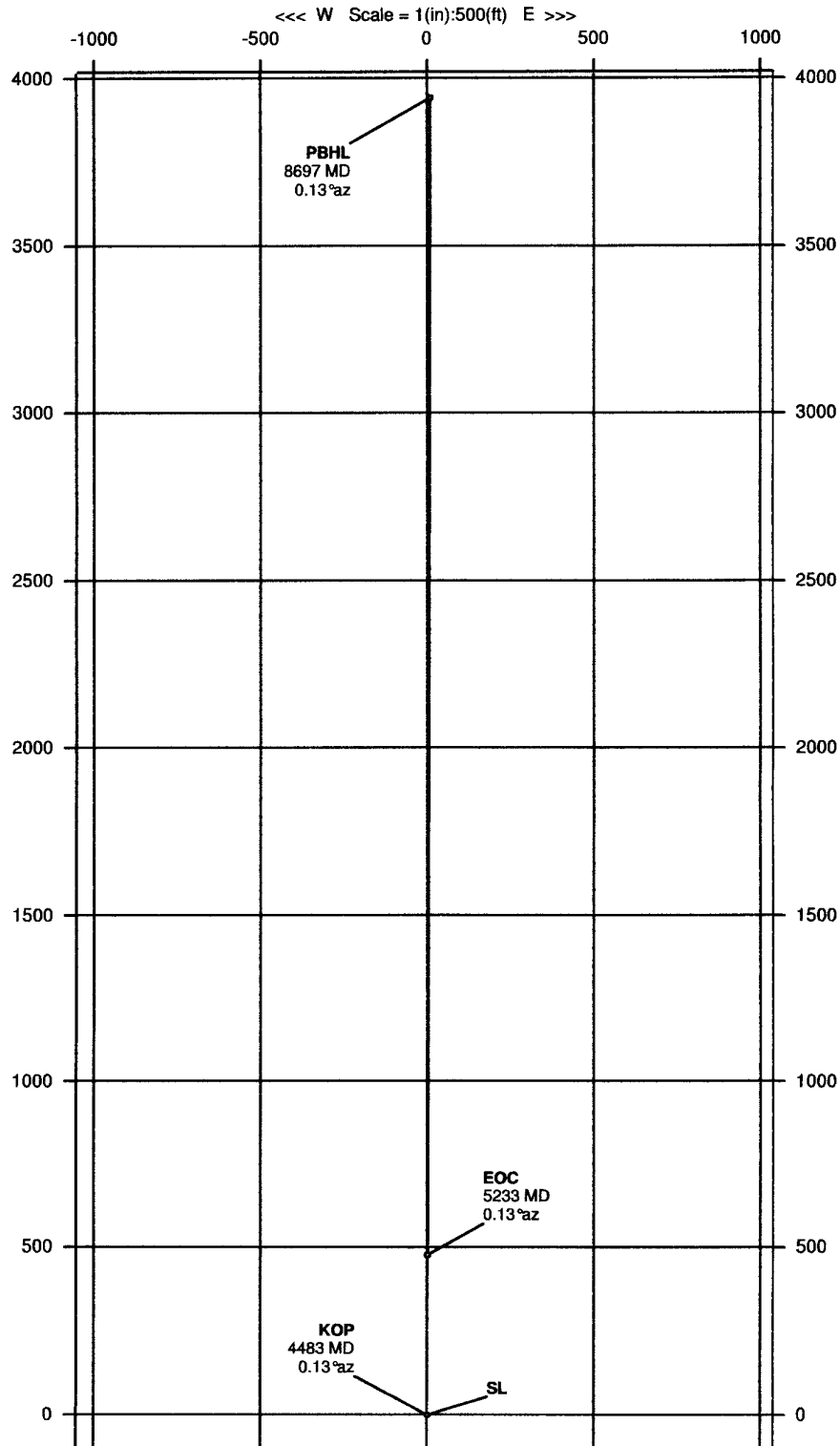
Scale: 1" = 2 MILES

Date: 12-05-2006

LCX
ENERGY

LCX Energy

WELL	1724 Smith 14 #1	FIELD	Eddy County, NM Nad 83	STRUCTURE	1724 Smith 14 #1
Magnetic Parameters		Surface Location		Miscellaneous	
Model:	KCRF 2005	Lat:	N32 49 48.100	Grid Conv:	-0.12586440"
Dip:	60.685°	Long:	W104 33 55.900	Scale Fact:	0.999914916
Mag Dec:	+8.602°	Date:	January 09, 2007	Slid:	1724 Smith 14 #1
		FS:	48354.2 nT	Plan:	1724 Smith 14 #1 .r1
				TVD Ref:	RKB (0.00 ft above)
				Srvy Date:	January 09, 2007



INTREPID
Directional Drilling Specialists



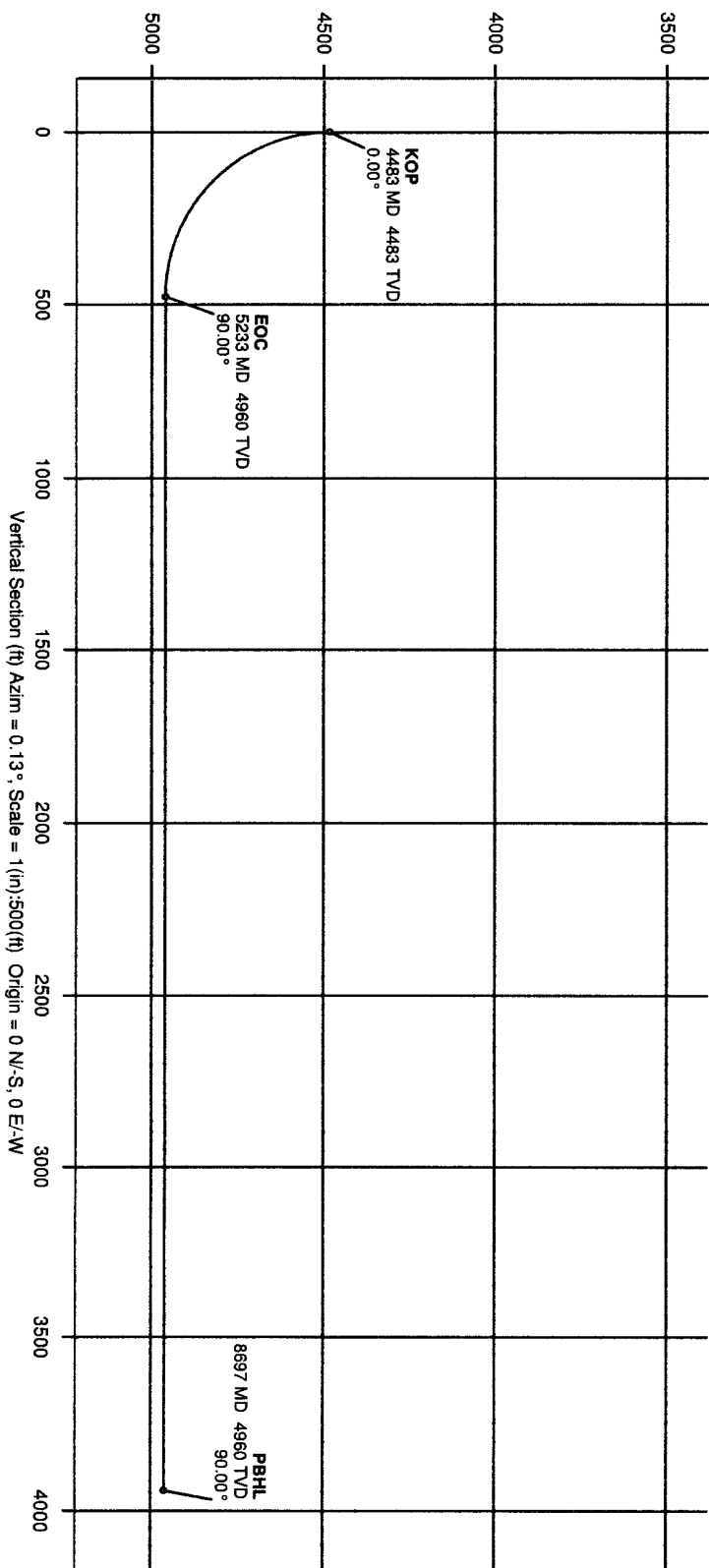
LCX Energy

WELL 1724 Smith 14 #1

FIELD Eddy County, NM Nad 83

STRUCTURE 1724 Smith 14 #1

Magnetic Parameters		Data		Surface Location		MADSS New Mexico State Plane, Eastern Zone, US F.T.M.		Magnetic Data	
Model	UNIT 8008	Dip	50.587°	Latitude	36.2007	NAD83	40554.01	Grid Northing	47019.87 M.S.
		Magn. Dec.	-8.692°	Long.	104.93.800	Zone	10	Grid Easting	2.99814916
								True Dip	10.000000
								SDP Date	10/23/00



INTERPID
Directional Drilling Specialists



Proposal

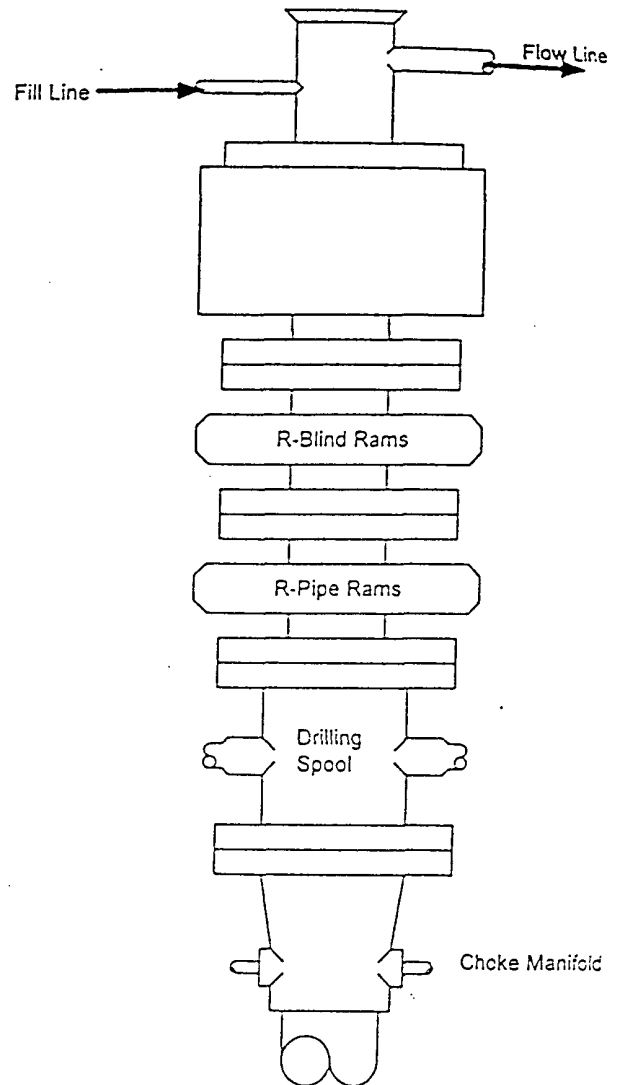
Report Date: January 9, 2007	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy	Vertical Section Azimuth: 0.130°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1724 Smith 14 #1 / 1724 Smith 14 #1	TVD Reference Datum: RKB
Well: 1724 Smith 14 #1	TVD Reference Elevation: 0.0 ft relative to
Borehole: 1724 Smith 14 #1	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.602°
Survey Name / Date: 1724 Smith 14 #1_r1 / January 9, 2007	Total Field Strength: 49354.151 nT
Tort / AHD / DDI / ERD ratio: 90.000° / 3941.71 ft / 5.794 / 0.795	Magnetic Dip: 60.685°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: January 09, 2007
Location Lat/Long: N 32 49 48.100, W 104 33 55.900	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 665775.352 ftUS, E 470015.868 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.12588440°	Total Corr Mag North -> Grid North: +8.728°
Grid Scale Factor: 0.99991492	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	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	0.00	0.13	100.00	0.00	0.00	0.00	0.00	0.00	0.00
	200.00	0.00	0.13	200.00	0.00	0.00	0.00	0.00	0.00	0.00
	300.00	0.00	0.13	300.00	0.00	0.00	0.00	0.00	0.00	0.00
	400.00	0.00	0.13	400.00	0.00	0.00	0.00	0.00	0.00	0.00
	500.00	0.00	0.13	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	600.00	0.00	0.13	600.00	0.00	0.00	0.00	0.00	0.00	0.00
	700.00	0.00	0.13	700.00	0.00	0.00	0.00	0.00	0.00	0.00
	800.00	0.00	0.13	800.00	0.00	0.00	0.00	0.00	0.00	0.00
	900.00	0.00	0.13	900.00	0.00	0.00	0.00	0.00	0.00	0.00
	1000.00	0.00	0.13	1000.00	0.00	0.00	0.00	0.00	0.00	0.00
	1100.00	0.00	0.13	1100.00	0.00	0.00	0.00	0.00	0.00	0.00
	1200.00	0.00	0.13	1200.00	0.00	0.00	0.00	0.00	0.00	0.00
	1300.00	0.00	0.13	1300.00	0.00	0.00	0.00	0.00	0.00	0.00
	1400.00	0.00	0.13	1400.00	0.00	0.00	0.00	0.00	0.00	0.00
	1500.00	0.00	0.13	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
	1600.00	0.00	0.13	1600.00	0.00	0.00	0.00	0.00	0.00	0.00
	1700.00	0.00	0.13	1700.00	0.00	0.00	0.00	0.00	0.00	0.00
	1800.00	0.00	0.13	1800.00	0.00	0.00	0.00	0.00	0.00	0.00
	1900.00	0.00	0.13	1900.00	0.00	0.00	0.00	0.00	0.00	0.00
	2000.00	0.00	0.13	2000.00	0.00	0.00	0.00	0.00	0.00	0.00
	2100.00	0.00	0.13	2100.00	0.00	0.00	0.00	0.00	0.00	0.00
	2200.00	0.00	0.13	2200.00	0.00	0.00	0.00	0.00	0.00	0.00
	2300.00	0.00	0.13	2300.00	0.00	0.00	0.00	0.00	0.00	0.00
	2400.00	0.00	0.13	2400.00	0.00	0.00	0.00	0.00	0.00	0.00
	2500.00	0.00	0.13	2500.00	0.00	0.00	0.00	0.00	0.00	0.00
	2600.00	0.00	0.13	2600.00	0.00	0.00	0.00	0.00	0.00	0.00
	2700.00	0.00	0.13	2700.00	0.00	0.00	0.00	0.00	0.00	0.00
	2800.00	0.00	0.13	2800.00	0.00	0.00	0.00	0.00	0.00	0.00
	2900.00	0.00	0.13	2900.00	0.00	0.00	0.00	0.00	0.00	0.00
	3000.00	0.00	0.13	3000.00	0.00	0.00	0.00	0.00	0.00	0.00
	3100.00	0.00	0.13	3100.00	0.00	0.00	0.00	0.00	0.00	0.00
	3200.00	0.00	0.13	3200.00	0.00	0.00	0.00	0.00	0.00	0.00
	3300.00	0.00	0.13	3300.00	0.00	0.00	0.00	0.00	0.00	0.00
	3400.00	0.00	0.13	3400.00	0.00	0.00	0.00	0.00	0.00	0.00
	3500.00	0.00	0.13	3500.00	0.00	0.00	0.00	0.00	0.00	0.00
	3600.00	0.00	0.13	3600.00	0.00	0.00	0.00	0.00	0.00	0.00
	3700.00	0.00	0.13	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	0.13	3800.00	0.00	0.00	0.00	0.00	0.00	0.00
	3900.00	0.00	0.13	3900.00	0.00	0.00	0.00	0.00	0.00	0.00
	4000.00	0.00	0.13	4000.00	0.00	0.00	0.00	0.00	0.00	0.00
	4100.00	0.00	0.13	4100.00	0.00	0.00	0.00	0.00	0.00	0.00
	4200.00	0.00	0.13	4200.00	0.00	0.00	0.00	0.00	0.00	0.00
	4300.00	0.00	0.13	4300.00	0.00	0.00	0.00	0.00	0.00	0.00
	4400.00	0.00	0.13	4400.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP	4482.54	0.00	0.13	4482.54	0.00	0.00	0.00	0.00	0.00	0.00
	4500.00	2.10	0.13	4500.00	0.32	0.32	0.00	0.32	0.13	12.00
	4600.00	14.10	0.13	4598.82	14.38	14.38	0.03	14.38	0.13	12.00
	4700.00	26.10	0.13	4692.56	48.67	48.67	0.11	48.67	0.13	12.00
	4800.00	38.10	0.13	4777.12	101.71	101.71	0.22	101.71	0.13	12.00
	4900.00	50.10	0.13	4848.81	171.17	171.17	0.38	171.17	0.13	12.00
	5000.00	62.10	0.13	4904.49	254.01	254.01	0.56	254.01	0.13	12.00
	5100.00	74.10	0.13	4941.72	346.63	346.63	0.76	346.63	0.13	12.00
EOC	5200.00	86.10	0.13	4958.89	444.95	444.95	0.98	444.95	0.13	12.00
	5232.54	90.00	0.13	4960.00	477.46	477.46	1.05	477.46	0.13	12.00
	5300.00	90.00	0.13	4960.00	544.93	544.93	1.20	544.93	0.13	0.00
	5400.00	90.00	0.13	4960.00	644.93	644.93	1.42	644.93	0.13	0.00
	5500.00	90.00	0.13	4960.00	744.93	744.93	1.64	744.93	0.13	0.00
	5600.00	90.00	0.13	4960.00	844.93	844.93	1.86	844.93	0.13	0.00
	5700.00	90.00	0.13	4960.00	944.93	944.93	2.08	944.93	0.13	0.00
	5800.00	90.00	0.13	4960.00	1044.93	1044.93	2.30	1044.93	0.13	0.00
	5900.00	90.00	0.13	4960.00	1144.93	1144.93	2.52	1144.93	0.13	0.00
	6000.00	90.00	0.13	4960.00	1244.93	1244.93	2.74	1244.93	0.13	0.00
	6100.00	90.00	0.13	4960.00	1344.93	1344.93	2.96	1344.93	0.13	0.00
	6200.00	90.00	0.13	4960.00	1444.93	1444.93	3.18	1444.93	0.13	0.00
	6300.00	90.00	0.13	4960.00	1544.93	1544.93	3.39	1544.93	0.13	0.00
	6400.00	90.00	0.13	4960.00	1644.93	1644.93	3.61	1644.93	0.13	0.00
	6500.00	90.00	0.13	4960.00	1744.93	1744.93	3.83	1744.93	0.13	0.00
	6600.00	90.00	0.13	4960.00	1844.93	1844.93	4.05	1844.93	0.13	0.00
	6700.00	90.00	0.13	4960.00	1944.93	1944.92	4.27	1944.93	0.13	0.00
	6800.00	90.00	0.13	4960.00	2044.93	2044.92	4.49	2044.93	0.13	0.00
	6900.00	90.00	0.13	4960.00	2144.93	2144.92	4.71	2144.93	0.13	0.00
	7000.00	90.00	0.13	4960.00	2244.93	2244.92	4.93	2244.93	0.13	0.00
	7100.00	90.00	0.13	4960.00	2344.93	2344.92	5.15	2344.93	0.13	0.00
	7200.00	90.00	0.13	4960.00	2444.93	2444.92	5.37	2444.93	0.13	0.00
	7300.00	90.00	0.13	4960.00	2544.93	2544.92	5.59	2544.93	0.13	0.00
	7400.00	90.00	0.13	4960.00	2644.93	2644.92	5.81	2644.93	0.13	0.00
	7500.00	90.00	0.13	4960.00	2744.93	2744.92	6.03	2744.93	0.13	0.00
	7600.00	90.00	0.13	4960.00	2844.93	2844.92	6.25	2844.93	0.13	0.00
	7700.00	90.00	0.13	4960.00	2944.93	2944.92	6.47	2944.93	0.13	0.00
	7800.00	90.00	0.13	4960.00	3044.93	3044.92	6.69	3044.93	0.13	0.00
	7900.00	90.00	0.13	4960.00	3144.93	3144.92	6.91	3144.93	0.13	0.00
	8000.00	90.00	0.13	4960.00	3244.93	3244.92	7.13	3244.93	0.13	0.00
	8100.00	90.00	0.13	4960.00	3344.93	3344.92	7.35	3344.93	0.13	0.00
	8200.00	90.00	0.13	4960.00	3444.93	3444.92	7.57	3444.93	0.13	0.00
	8300.00	90.00	0.13	4960.00	3544.93	3544.92	7.79	3544.93	0.13	0.00
	8400.00	90.00	0.13	4960.00	3644.93	3644.92	8.01	3644.93	0.13	0.00
	8500.00	90.00	0.13	4960.00	3744.93	3744.92	8.23	3744.93	0.13	0.00
	8600.00	90.00	0.13	4960.00	3844.93	3844.92	8.45	3844.93	0.13	0.00
PBHL	8696.78	90.00	0.13	4960.00	3941.71	3941.70	8.66	3941.71	0.13	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)
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BLOWOUT PREVENTER SYSTEM



Type 900 Series
3000 psi WP

Choke Manifold Assembly for 3M WP System

