

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 Avenue, Artesia, NM 88210
District III
1000 Road, Aztec, NM 87410
District IV
1220 Santa Fe 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		OGRID Number 218885
Property Code	Property Name 1625 BUCK	API Number 015-35248
Proposed Pool 1 COTTONWOOD CREEK-WLOFCAMP (75250)		Well No. 111
Proposed Pool 2		

Surface Location

UL or lot no. P	Section 11	Township 16S	Range 25E	Lot Idn	Feet from the 235'	North/South line SOUTH	Feet from the 200'	East/West line EAST	County EDDY CO.
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

Proposed Bottom Hole Location If Different From Surface

UL or lot no. A	Section 11	Township 16S	Range 25E	Lot Idn	Feet from the 660'	North/South line NORTH	Feet from the 760'	East/West line EAST	County EDDY CO.
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

Additional Well Information

Work Type Code N	Well Type Code G	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3427'
Multiple NO	Proposed Depth TVD-4960±' MD-9020±'	Formation WOLFCAMP	Contractor BIG DOG DRILLING	Spud Date WHEN APPROVED
Depth to Groundwater 75'+		Distance from nearest fresh water well 5. miles Northwest		Distance from nearest surface water COTTONWOOD CREEK 1.6 MILES NW
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 18M bbls		Drilling Method: Fresh Water ☒ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐		
Closed-Loop System ☐				

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'	400 Sx.	Surface
12 1/4"	9 5/8"	36#	1200'	475 Sx.	Surface
8 3/4 - 7 7/8"	5 1/2"	15.5#	MD-9020±	600 Sx.	*Est. TOC 1000' FS
Operator to run CBL or Temp Survey to verify tie-back					

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 FOR DETAIL

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 NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Joe T. Janice
Title: Agent
E-mail Address: joejanica@valornet.com
Date: 11/27/06
Phone: 505-391-8503

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARRANT
DISTRICT II GEOLOGIST

Approval Date:

NOV 28 2006

Expiration Date:

NOV 28 2007

Conditions of Approval Attached ☐

LCX ENERGY, LLC
110 N. Marienfeld St., Suite 200
Midland, TX 79701
April 26, 2006

**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.

DISTRICT I
1625 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 & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Frances Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
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 75250	Pool Name COTTONWOOD CREEK-WOLFCAMP
Property Code	Property Name 1625 BUCK	Well Number "111"
OGRID No. 218885	Operator Name LCX ENERGY, LLC	Elevation 3427'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	11	16 S	25 E		235	SOUTH	200	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
A	11	16 S	25 E		660	NORTH	760	EAST	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

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.

Plane Coordinate
X = 505,717.4
Y = 706,726.9

(BH)

660'

760'

PROJECT AREA

FEE

PRODUCING AREA

Plane Coordinate
X = 505,724.6
Y = 702,728.2

(PP)

760'

Plane Coordinate
X = 506,285.2
Y = 702,298.9

660'

235'

200'

#1 (SL)

OPERATOR CERTIFICATION

I hereby certify the 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 or has a right to drill this well at this 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.

Joe T. Janica
Signature Date
Joe T. Janica 11/27/06
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.

April 20, 2006

Date of Survey

Signature & Seal of Professional Surveyor

W.O. Num. 2006-0292

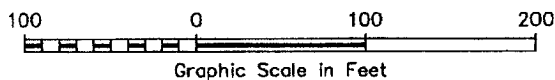
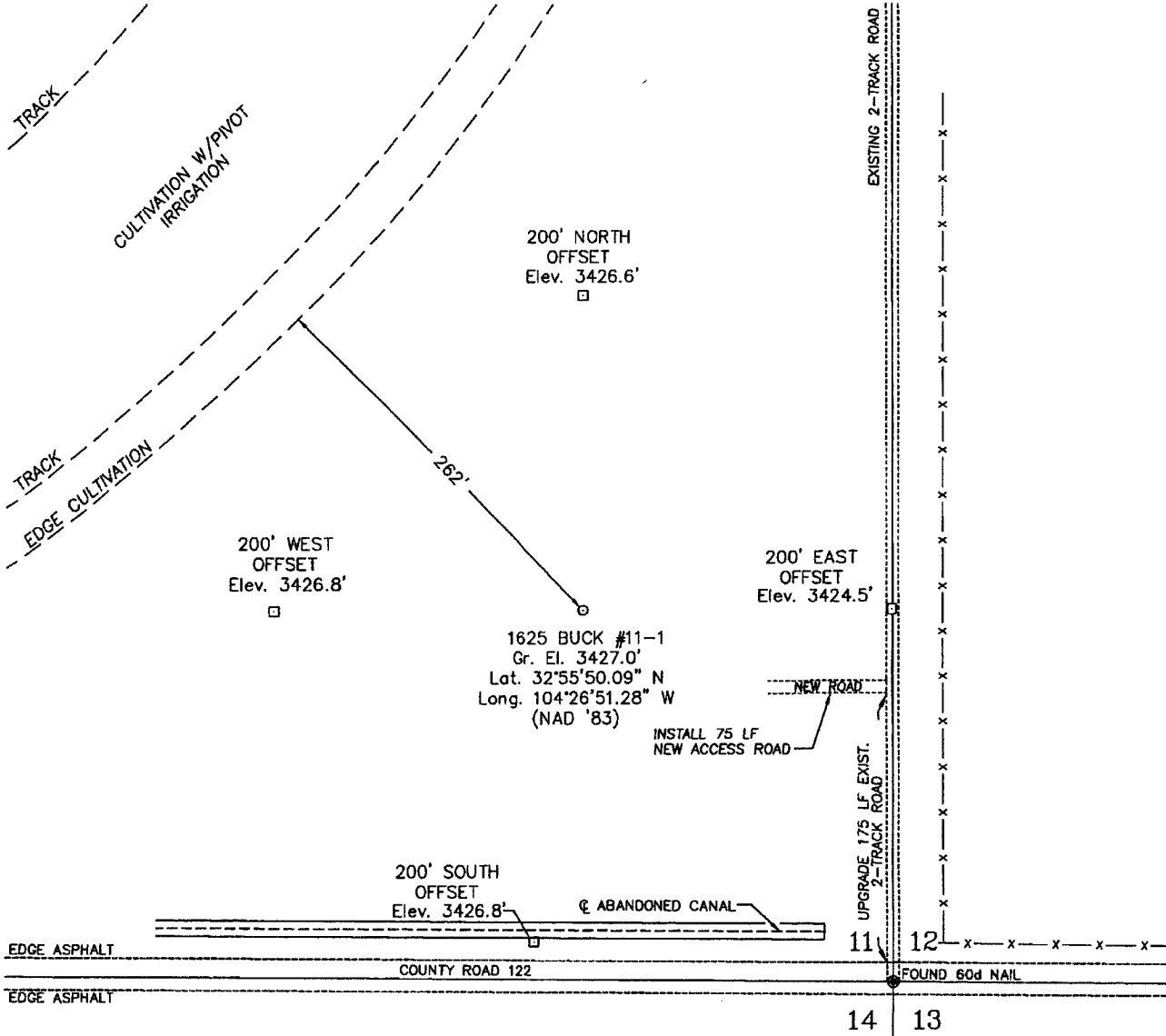
Certificate No. MAÇON McDONALD 12185

SECTION 11, TOWNSHIP 16 SOUTH, RANGE 25 EAST, N.M.P.M.

EDDY COUNTY

NEW MEXICO

L-2006-0292



LCX ENERGY, LLC

1625 BUCK #11-1

Located 235' FSL & 200' FEL, Section 11
Township 16 S, Range 25 E, N.M.P.M.
Eddy County, New Mexico

Drawn By: JSR

Date: October 26, 2006

Scale: 1"=100'

Field Book: 326 / 54

Revision Date:

Quadrangle: Espuela

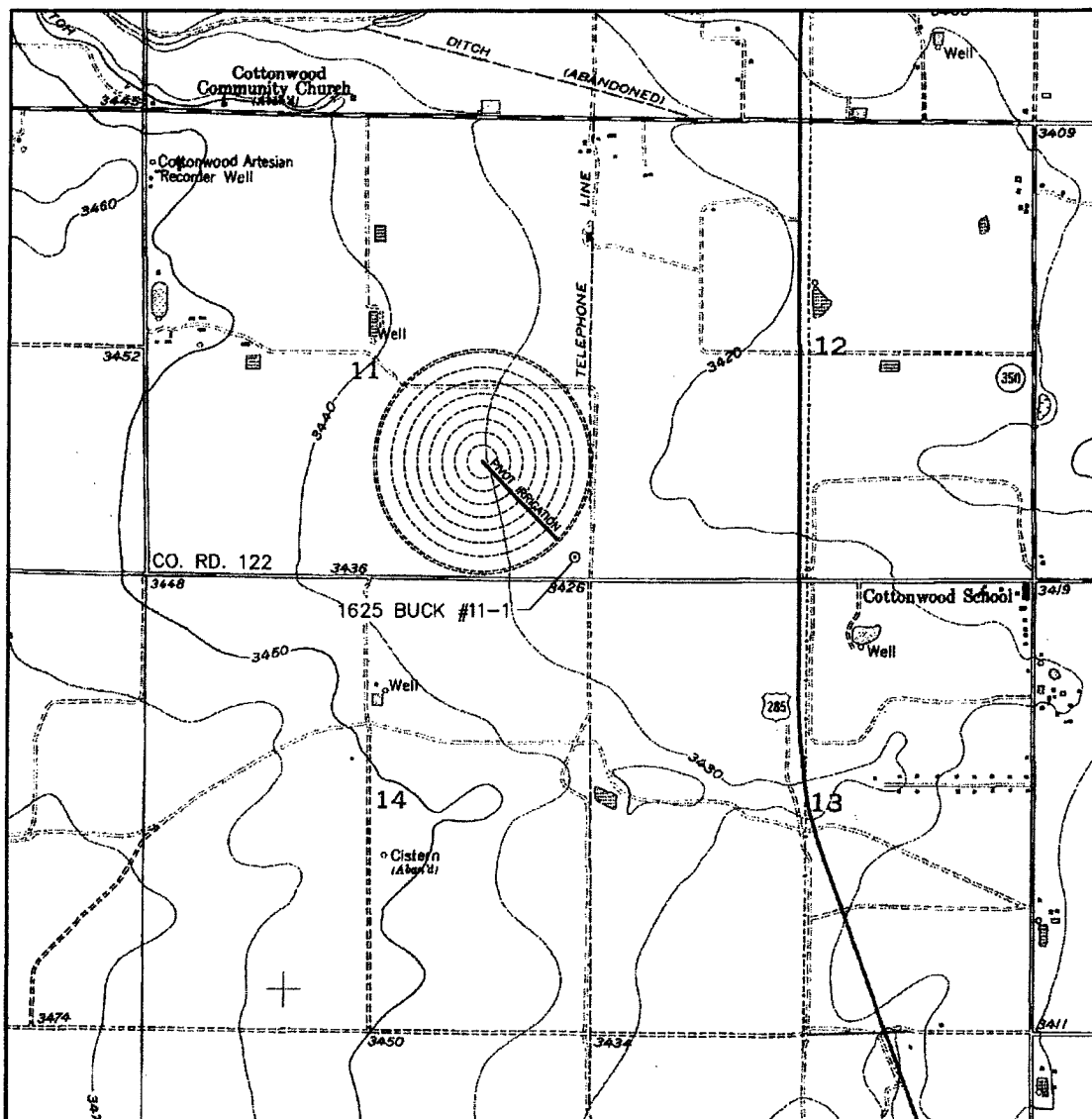
W.O. No: 2006-0292

Dwg. No.: L-2006-0292

**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. 11 TWP. 16-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 200' FEL & 235' FSL

ELEVATION 3427'

OPERATOR LCX ENERGY, LLC

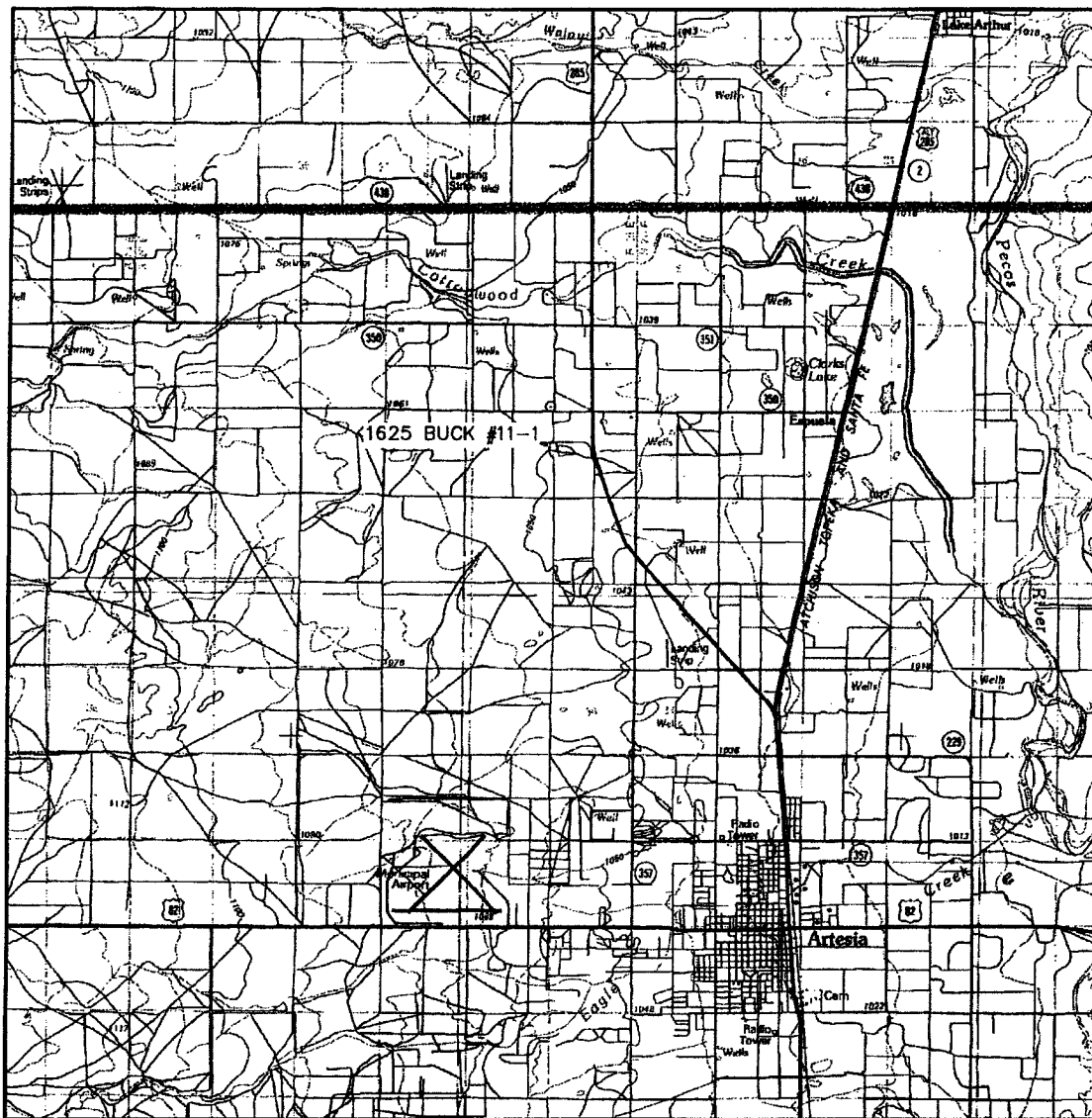
LEASE 1625 BUCK #11-1

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

**WEST
COMPANY**
of Midland, Inc.

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

VICINITY MAP



SEC. 11 TWP. 16-S RGE. 25-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 200' FEL & 235' FSL
 ELEVATION 3427'
 OPERATOR LCX ENERGY, LLC
 LEASE 1625 BUCK #11-1



**WEST
COMPANY**
 of Midland, Inc.

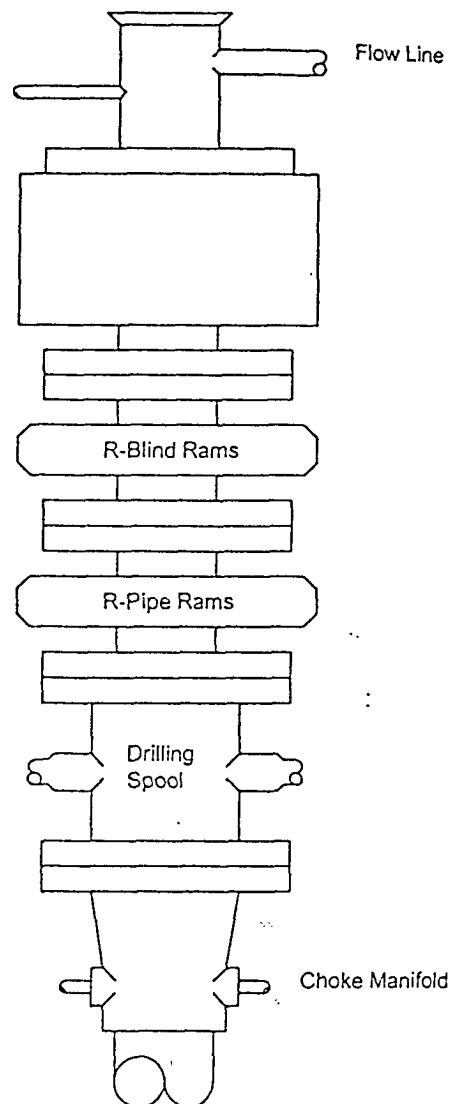
110 W. LOUISIANA, STE. 110
 MIDLAND TEXAS, 79701
 (432) 687-0865 - (432) 687-0868 FAX

BLOWOUT PREVENTER SYSTEM

3000 PSI

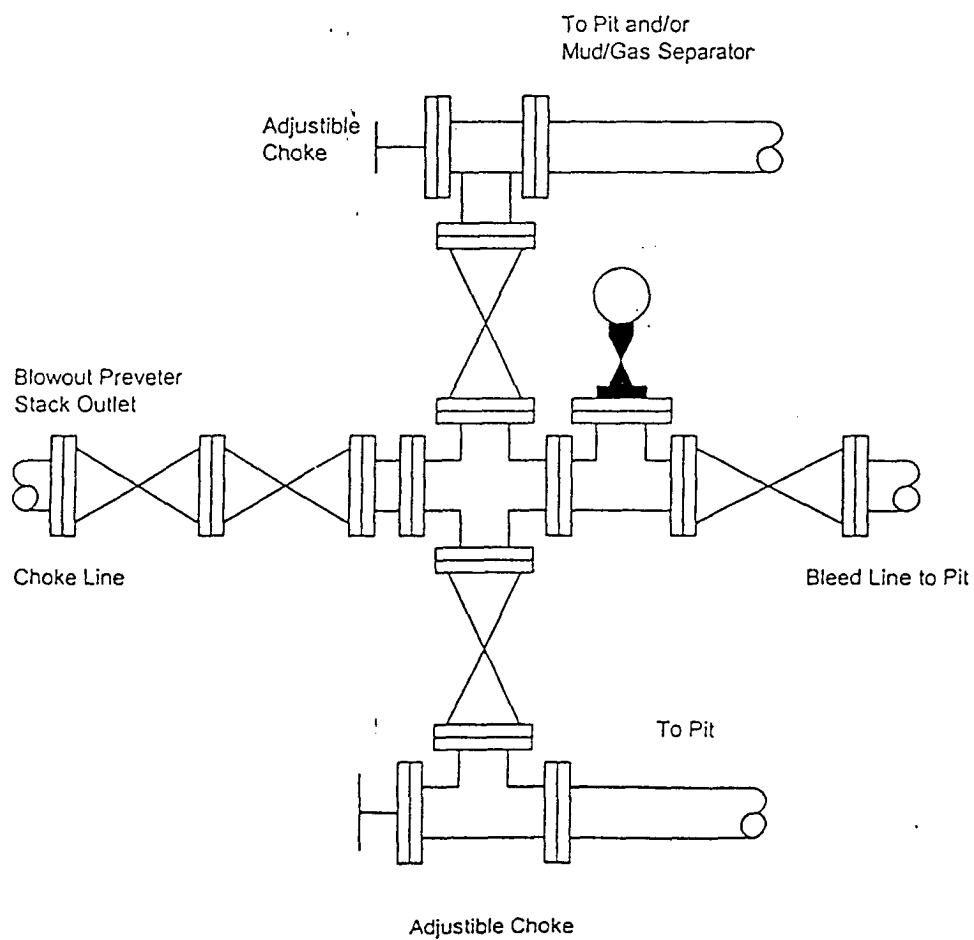
Fill Line

Flow Line



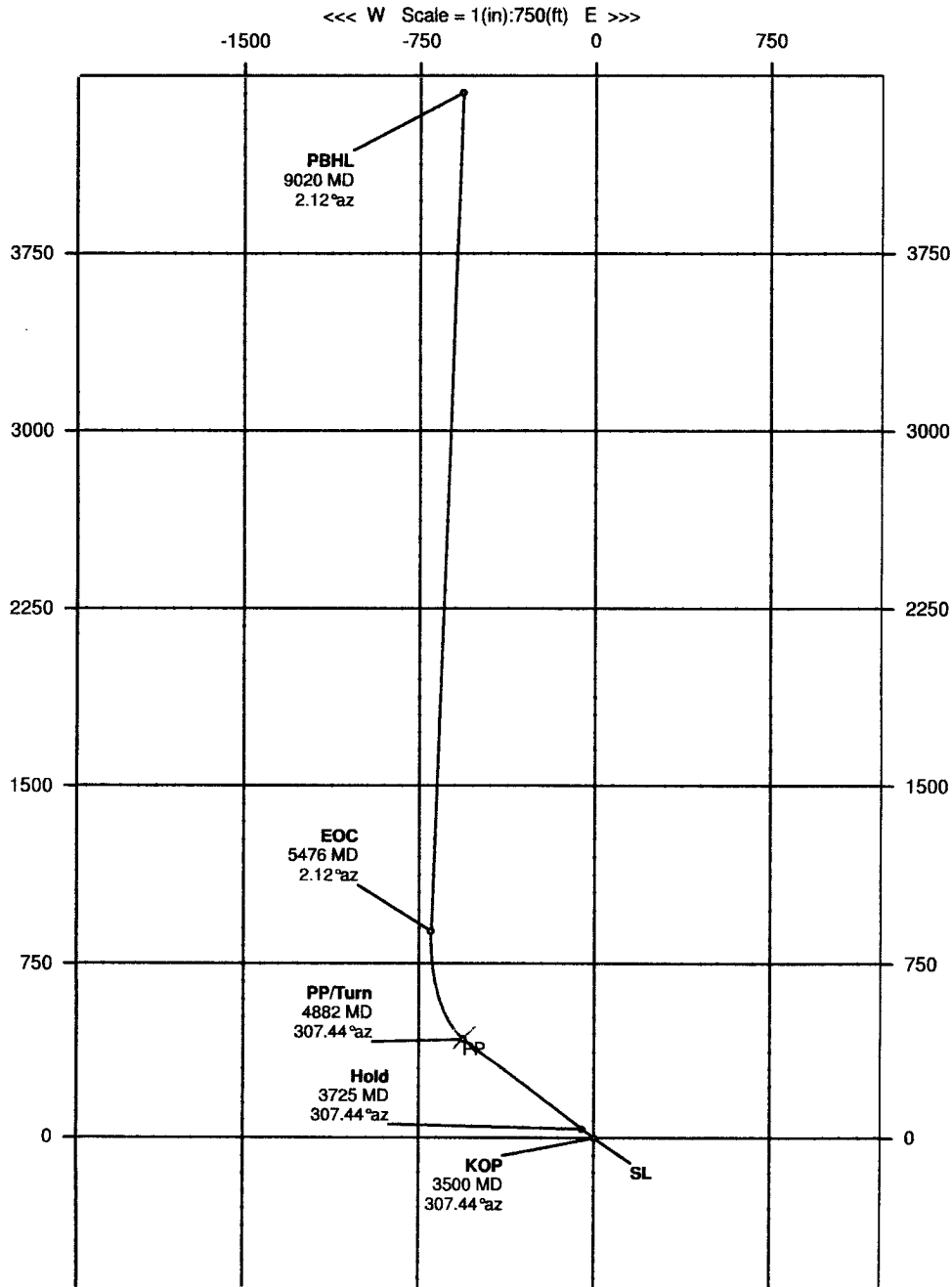
900 SERIES
3000 PSI WP

Choke Manifold Assembly for 5M WP System



LCX Energy, LLC

WELL	1625 BUCK #11-1	FIELD	Eddy County, NM Nad 83	STRUCTURE	1625 BUCK #11-1
Magnetic Parameters		Surface Location		Miscellaneous	
Model:	IGRF 2005	Dip:	60.804°	Date:	October 30, 2006
Mag Dec:	+8.582°	FS:	49448.3 nT	Lat:	N32 55 50.089
		Lon:	W104 26 51.283	North:	702296.90 NUS
				Grid Conv:	-0.06210630°
				Scale Fact:	0.9998104879
				Plan:	1625 BUCK #11-1
				TVD Ref:	RKR (0.00 ft above)
				Srvy Date:	October 30, 2006

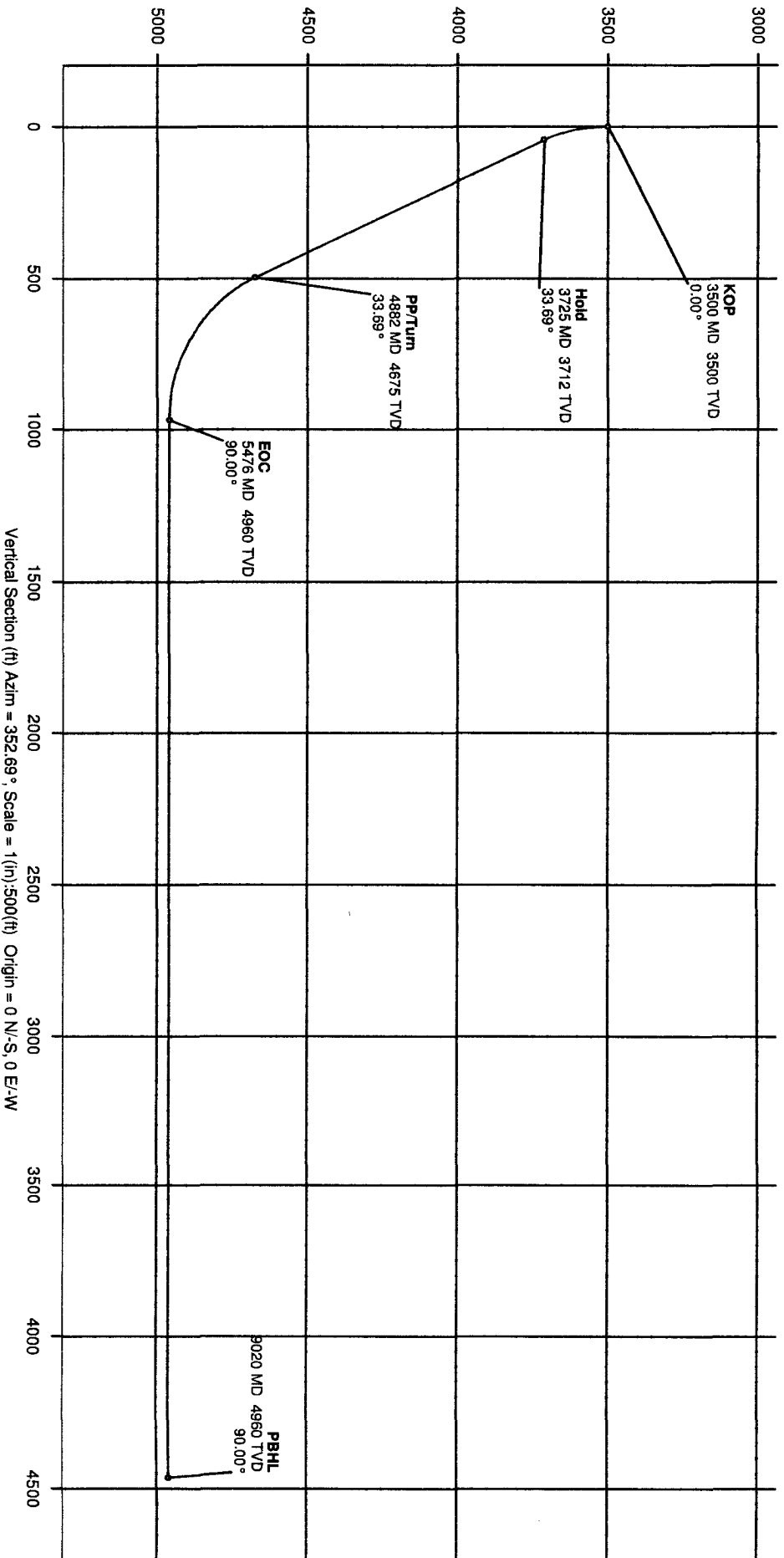


INTREPID
Directional Drilling Specialists



LCX Energy, LLC

WELL		FIELD		STRUCTURE	
1625 BUCK #11-1		Eddy County, NM Nad 83		1625 BUCK #11-1	
Logistic Parameters	Drp:	60 BOP	Date:	October 30, 2006	Surface Location
Model:	LOGE-2005	Mag Dev:	48.56°	494643.71	Lat: N43 55 50.088
					Long: W104 48 51.283
					Northing: 7122286.80 US
					Eastng: 559585.20 US
					NAADS New Mexico State Plane, Eastern Zone, US Feet
					Grid Cont: -0.06219630°
					Scale Fact: 0.9999104878
					Mag. Intensity
					Sic: 1625 BUCK #11-1
					Plan: 1625 Buck #11-1
					TVD Ref: PWB (0.00' above)
					SVY Date: October 30, 2006



INTREPID
Directional Drilling Specialists



Proposal



Report Date: October 30, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: LCX Energy, LLC	Vertical Section Azimuth: 352.690°
Field: Eddy County, NM Nad 83	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: 1625 BUCK #11-1 / 1625 BUCK #11-1	TVD Reference Datum: RKB
Well: 1625 BUCK #11-1	TVD Reference Elevation: 0.0 ft relative to
Borehole: 1625 BUCK #11-1	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.582°
Survey Name / Date: 1625 Buck #11-1 / October 30, 2006	Total Field Strength: 49448.252 nT
Tort / AHD / DDI / ERD ratio: 104.979° / 4742.94 ft / 5.957 / 0.956	Magnetic Dip: 60.804°
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: October 30, 2006
Location Lat/Long: N 32 55 50.089, W 104 26 51.283	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 702298.900 ftUS, E 506285.200 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.06210630°	Total Corr Mag North -> Grid North: +8.644°
Grid Scale Factor: 0.99991050	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	307.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	0.00	307.44	100.00	0.00	0.00	0.00	0.00	0.00	0.00
	200.00	0.00	307.44	200.00	0.00	0.00	0.00	0.00	0.00	0.00
	300.00	0.00	307.44	300.00	0.00	0.00	0.00	0.00	0.00	0.00
	400.00	0.00	307.44	400.00	0.00	0.00	0.00	0.00	0.00	0.00
	500.00	0.00	307.44	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	600.00	0.00	307.44	600.00	0.00	0.00	0.00	0.00	0.00	0.00
	700.00	0.00	307.44	700.00	0.00	0.00	0.00	0.00	0.00	0.00
	800.00	0.00	307.44	800.00	0.00	0.00	0.00	0.00	0.00	0.00
	900.00	0.00	307.44	900.00	0.00	0.00	0.00	0.00	0.00	0.00
	1000.00	0.00	307.44	1000.00	0.00	0.00	0.00	0.00	0.00	0.00
	1100.00	0.00	307.44	1100.00	0.00	0.00	0.00	0.00	0.00	0.00
	1200.00	0.00	307.44	1200.00	0.00	0.00	0.00	0.00	0.00	0.00
	1300.00	0.00	307.44	1300.00	0.00	0.00	0.00	0.00	0.00	0.00
	1400.00	0.00	307.44	1400.00	0.00	0.00	0.00	0.00	0.00	0.00
	1500.00	0.00	307.44	1500.00	0.00	0.00	0.00	0.00	0.00	0.00
	1600.00	0.00	307.44	1600.00	0.00	0.00	0.00	0.00	0.00	0.00
	1700.00	0.00	307.44	1700.00	0.00	0.00	0.00	0.00	0.00	0.00
	1800.00	0.00	307.44	1800.00	0.00	0.00	0.00	0.00	0.00	0.00
	1900.00	0.00	307.44	1900.00	0.00	0.00	0.00	0.00	0.00	0.00
	2000.00	0.00	307.44	2000.00	0.00	0.00	0.00	0.00	0.00	0.00
	2100.00	0.00	307.44	2100.00	0.00	0.00	0.00	0.00	0.00	0.00
	2200.00	0.00	307.44	2200.00	0.00	0.00	0.00	0.00	0.00	0.00
	2300.00	0.00	307.44	2300.00	0.00	0.00	0.00	0.00	0.00	0.00
	2400.00	0.00	307.44	2400.00	0.00	0.00	0.00	0.00	0.00	0.00
	2500.00	0.00	307.44	2500.00	0.00	0.00	0.00	0.00	0.00	0.00
	2600.00	0.00	307.44	2600.00	0.00	0.00	0.00	0.00	0.00	0.00
	2700.00	0.00	307.44	2700.00	0.00	0.00	0.00	0.00	0.00	0.00
	2800.00	0.00	307.44	2800.00	0.00	0.00	0.00	0.00	0.00	0.00
	2900.00	0.00	307.44	2900.00	0.00	0.00	0.00	0.00	0.00	0.00
	3000.00	0.00	307.44	3000.00	0.00	0.00	0.00	0.00	0.00	0.00
	3100.00	0.00	307.44	3100.00	0.00	0.00	0.00	0.00	0.00	0.00
	3200.00	0.00	307.44	3200.00	0.00	0.00	0.00	0.00	0.00	0.00
	3300.00	0.00	307.44	3300.00	0.00	0.00	0.00	0.00	0.00	0.00
	3400.00	0.00	307.44	3400.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP	3500.00	0.00	307.44	3500.00	0.00	0.00	0.00	0.00	0.00	0.00
	3600.00	15.00	307.44	3598.86	9.16	7.91	-10.33	13.02	307.44	15.00
	3700.00	30.00	307.44	3690.99	36.03	31.11	-40.63	51.17	307.44	15.00

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)
Hold	3724.58	33.69	307.44	3711.86	45.16	39.00	-50.92	64.14	307.44	15.00
	3800.00	33.69	307.44	3774.62	74.61	64.43	-84.14	105.97	307.44	0.00
	3900.00	33.69	307.44	3857.83	113.66	98.15	-128.17	161.44	307.44	0.00
	4000.00	33.69	307.44	3941.03	152.72	131.88	-172.21	216.90	307.44	0.00
	4100.00	33.69	307.44	4024.24	191.77	165.60	-216.25	272.37	307.44	0.00
	4200.00	33.69	307.44	4107.45	230.82	199.32	-260.28	327.84	307.44	0.00
	4300.00	33.69	307.44	4190.66	269.87	233.04	-304.32	383.30	307.44	0.00
	4400.00	33.69	307.44	4273.87	308.92	266.77	-348.36	438.77	307.44	0.00
	4500.00	33.69	307.44	4357.07	347.97	300.49	-392.39	494.23	307.44	0.00
	4600.00	33.69	307.44	4440.28	387.03	334.21	-436.43	549.70	307.44	0.00
	4700.00	33.69	307.44	4523.49	426.08	367.93	-480.47	605.16	307.44	0.00
	4800.00	33.69	307.44	4606.70	465.13	401.66	-524.50	660.63	307.44	0.00
PP/Turn	4882.09	33.69	307.44	4675.00	497.19	429.34	-560.65	706.16	307.44	0.00
	4900.00	34.82	310.69	4689.81	504.48	435.69	-568.47	716.24	307.47	12.00
	5000.00	42.44	325.63	4768.04	555.94	482.33	-609.32	777.12	308.36	12.00
	5100.00	51.48	336.47	4836.32	623.80	546.28	-644.12	844.58	310.30	12.00
	5200.00	61.29	344.79	4891.68	705.10	624.76	-671.35	917.07	312.94	12.00
EOC	5300.00	71.53	351.65	4931.68	796.29	714.32	-689.80	993.02	316.00	12.00
	5400.00	81.98	357.72	4954.59	893.38	811.07	-698.69	1070.52	319.26	12.00
	5476.19	90.00	2.12	4959.92	968.69	886.99	-698.79	1129.18	321.77	12.00
	5500.00	90.00	2.12	4959.92	992.18	910.78	-697.91	1147.43	322.54	0.00
	5600.00	90.00	2.12	4959.92	1090.83	1010.72	-694.21	1226.16	325.52	0.00
	5700.00	90.00	2.12	4959.93	1189.48	1110.65	-690.52	1307.80	328.13	0.00
	5800.00	90.00	2.12	4959.93	1288.13	1210.58	-686.82	1391.84	330.43	0.00
	5900.00	90.00	2.12	4959.93	1386.78	1310.51	-683.13	1477.87	332.47	0.00
	6000.00	90.00	2.12	4959.93	1485.43	1410.44	-679.43	1565.56	334.28	0.00
	6100.00	90.00	2.12	4959.94	1584.08	1510.37	-675.74	1654.65	335.90	0.00
	6200.00	90.00	2.12	4959.94	1682.73	1610.31	-672.04	1744.92	337.35	0.00
	6300.00	90.00	2.12	4959.94	1781.38	1710.24	-668.35	1836.19	338.65	0.00
	6400.00	90.00	2.12	4959.94	1880.03	1810.17	-664.65	1928.34	339.84	0.00
	6500.00	90.00	2.12	4959.94	1978.68	1910.10	-660.96	2021.23	340.91	0.00
	6600.00	90.00	2.12	4959.95	2077.32	2010.03	-657.27	2114.76	341.89	0.00
	6700.00	90.00	2.12	4959.95	2175.97	2109.96	-653.57	2208.87	342.79	0.00
	6800.00	90.00	2.12	4959.95	2274.62	2209.90	-649.88	2303.47	343.61	0.00
	6900.00	90.00	2.12	4959.95	2373.27	2309.83	-646.18	2398.51	344.37	0.00
	7000.00	90.00	2.12	4959.96	2471.92	2409.76	-642.49	2493.94	345.07	0.00
	7100.00	90.00	2.12	4959.96	2570.57	2509.69	-638.79	2589.71	345.72	0.00
	7200.00	90.00	2.12	4959.96	2669.22	2609.62	-635.10	2685.79	346.32	0.00
	7300.00	90.00	2.12	4959.96	2767.87	2709.56	-631.40	2782.15	346.88	0.00
	7400.00	90.00	2.12	4959.96	2866.52	2809.49	-627.71	2878.76	347.41	0.00
	7500.00	90.00	2.12	4959.97	2965.17	2909.42	-624.01	2975.59	347.89	0.00
	7600.00	90.00	2.12	4959.97	3063.82	3009.35	-620.32	3072.62	348.35	0.00
	7700.00	90.00	2.12	4959.97	3162.47	3109.28	-616.62	3169.84	348.78	0.00
	7800.00	90.00	2.12	4959.97	3261.12	3209.21	-612.93	3267.22	349.19	0.00
	7900.00	90.00	2.12	4959.98	3359.77	3309.15	-609.23	3364.76	349.57	0.00
	8000.00	90.00	2.12	4959.98	3458.42	3409.08	-605.54	3462.44	349.93	0.00
	8100.00	90.00	2.12	4959.98	3557.07	3509.01	-601.84	3560.25	350.27	0.00
	8200.00	90.00	2.12	4959.98	3655.72	3608.94	-598.15	3658.17	350.59	0.00
	8300.00	90.00	2.12	4959.98	3754.36	3708.87	-594.45	3756.21	350.89	0.00
	8400.00	90.00	2.12	4959.99	3853.01	3808.80	-590.76	3854.35	351.18	0.00
	8500.00	90.00	2.12	4959.99	3951.66	3908.74	-587.07	3952.58	351.46	0.00
	8600.00	90.00	2.12	4959.99	4050.31	4008.67	-583.37	4050.89	351.72	0.00
	8700.00	90.00	2.12	4959.99	4148.96	4108.60	-579.68	4149.29	351.97	0.00
	8800.00	90.00	2.12	4960.00	4247.61	4208.53	-575.98	4247.76	352.21	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)
PBHL	8900.00	90.00	2.12	4960.00	4346.26	4308.46	-572.29	4346.30	352.43	0.00
	9000.00	90.00	2.12	4960.00	4444.91	4408.39	-568.59	4444.91	352.65	0.00
	9020.02	90.00	2.12	4960.00	4464.66	4428.41	-567.85	4464.66	352.69	0.00