

|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Submit To Appropriate District Office<br>State Lease - 6 copies<br>Fee Lease - 5 copies<br>District I<br>1625 N French Dr, Hobbs, NM 88240<br>District II<br>1301 W Grand Avenue, Artesia, NM 88210<br>District III<br>1000 Rio Brazos Rd., Aztec, NM 87410<br>District IV<br>1220 S St Francis Dr., Santa Fe, NM 87505                                                   | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> | <b>Form C-105</b><br>Revised June 10, 2003                                                                                                                                                                                  |
| WELL API NO.<br>30-015-34235                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                       | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>                                                                                                                         |
| State Oil & Gas Lease No.                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| 1a Type of Well<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER _____<br><br>b Type of Completion<br>NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF<br>WELL OVER BACK RESVR <input type="checkbox"/> OTHER |                                                                                                                                                                                       | 7 Lease Name or Unit Agreement Name<br><br>Röss 1724 <span style="float: right;">SEP 06 2007</span><br><span style="float: right;"><b>OCD-ARTESIA</b></span>                                                                |
| 2 Name of Operator<br><br>LCX Energy, LLC                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       | 8 Well No<br><br>121                                                                                                                                                                                                        |
| 3 Address of Operator<br><br>110 N. Marienfeld, Ste. 200, Midland, TX 79701                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                       | 9 Pool name or Wildcat<br>Cottonwood Creek - Wolfcamp                                                                                                                                                                       |
| 4 Well Location<br><br>Unit Letter <u>0</u> <u>660</u> Feet From The <u>South</u> Line and <u>1880</u> Feet From The <u>East</u> Line<br><br>Section <u>12</u> Township <u>17S</u> Range <u>24E</u> NMPM <u>Eddy</u> County                                                                                                                                               |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| 10 Date Spudded<br>10/06/05                                                                                                                                                                                                                                                                                                                                               | 11 Date T D Reached<br>11/21/05                                                                                                                                                       | 12 Date Compl (Ready to Prod)<br>11/21/05                                                                                                                                                                                   |
| 13 Elevations (DF& RKB, RT, GR, etc)<br>3669' GR                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                       | 14 Elev Casinghead                                                                                                                                                                                                          |
| 15 Total Depth<br>9020'                                                                                                                                                                                                                                                                                                                                                   | 16 Plug Back T D<br>8977'                                                                                                                                                             | 17 If Multiple Compl How Many Zones?                                                                                                                                                                                        |
| 18 Intervals Drilled By                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | 19 Producing Interval(s), of this completion - Top, Bottom, Name<br>5300' - 8220'                                                                                                                                           |
| 20 Was Directional Survey Made<br>Yes                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                       | 21 Type Electric and Other Logs Run<br>Density/Neutron/GR/Micro Log                                                                                                                                                         |
| 22 Was Well Cored<br>No                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| <b>23. CASING RECORD (Report all strings set in well)</b>                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                               | WEIGHT LB /FT                                                                                                                                                                         | DEPTH SET                                                                                                                                                                                                                   |
| 13 3/8"                                                                                                                                                                                                                                                                                                                                                                   | 48#                                                                                                                                                                                   | 386'                                                                                                                                                                                                                        |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                    | 36#                                                                                                                                                                                   | 1340'                                                                                                                                                                                                                       |
| 5 1/2"                                                                                                                                                                                                                                                                                                                                                                    | 17#                                                                                                                                                                                   | 9020'                                                                                                                                                                                                                       |
| 24. LINER RECORD                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                       | 25. TUBING RECORD                                                                                                                                                                                                           |
| SIZE                                                                                                                                                                                                                                                                                                                                                                      | TOP                                                                                                                                                                                   | BOTTOM                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | SACKS CEMENT                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | SCREEN                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | SIZE                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | DEPTH SET                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | PACKER SET                                                                                                                                                                                                                  |
| 26 Perforation record (interval, size, and number)<br><br>5300' - 8220'                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br>DEPTH INTERVAL<br>5300' - 8220'<br>AMOUNT AND KIND MATERIAL USED<br>16500 gals 15% HCl Acid, 872650<br>gals Foamed Slick Wtr, W/214412#<br>100 MSH Sand, 204381# Brn Snd |
| <b>28 PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| Date First Production                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                       | Production Method (Flowing, gas lift, pumping - Size and type pump)                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Well Status (Prod. or Shut-in) Plan to Plug<br>No Well Test - Dry Hole                                                                                                                                                      |
| Date of Test                                                                                                                                                                                                                                                                                                                                                              | Hours Tested                                                                                                                                                                          | Choke Size                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Prod'n For Test Period                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Oil - Bbl                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Gas - MCF                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Water - Bbl                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Gas - Oil Ratio                                                                                                                                                                                                             |
| Flow Tubing Press                                                                                                                                                                                                                                                                                                                                                         | Casing Pressure                                                                                                                                                                       | Calculated 24-Hour Rate                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Oil - Bbl                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Gas - MCF                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Water - Bbl                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                       | Oil Gravity - API - (Corr)                                                                                                                                                                                                  |
| 29 Disposition of Gas (Sold, used for fuel, vented, etc.)                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       | Test Witnessed By                                                                                                                                                                                                           |
| 30 List Attachments                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| 31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief                                                                                                                                                                                                                                     |                                                                                                                                                                                       |                                                                                                                                                                                                                             |
| Signature <u>Vickie L. Gotcher</u>                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                       | Printed Name <u>Vickie L. Gotcher</u> Title <u>Regulatory Analyst</u> Date <u>09/05/07</u>                                                                                                                                  |
| E-mail Address <u>vickie@eeronline.com</u>                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                       |                                                                                                                                                                                                                             |

## **1724 ROSS #121 LITHOLOGY RECORD**

| <b><u>FROM</u></b> | <b><u>TO</u></b> | <b><u>THICKNESS<br/>IN FEET</u></b> | <b><u>LITHOLOGY</u></b>                 |
|--------------------|------------------|-------------------------------------|-----------------------------------------|
| 1200               | 1470             | 270                                 | ANHYDRITE/DOLOMITE                      |
| 1470               | 1800             | 330                                 | DOLOMITE/LIMESTONE                      |
| 1800               | 1840             | 40                                  | DOLOMITE/LIMESTONE/SAND                 |
| 1840               | 2120             | 280                                 | ANHYDRITE/DOLOMITE                      |
| 2120               | 2140             | 20                                  | DOLOMITE                                |
| 2140               | 2210             | 70                                  | ANHYDRITE/DOLOMITE                      |
| 2210               | 2280             | 70                                  | ANHYDRITE/DOLOMITE/LIMESTONE            |
| 2280               | 2420             | 140                                 | DOLOMITE/SAND/LIMESTONE                 |
| 2420               | 2680             | 240                                 | DOLOMITE/ANHYDRITE/SAND/LIMESTONE       |
| 2680               | 2830             | 150                                 | DOLOMITE/SAND/SHALE/SILT                |
| 2380               | 2880             | 500                                 | ANHYDRITE/DOLOMITE/LIMESTONE            |
| 2880               | 3000             | 120                                 | ANHYDRITE/DOLOMITE                      |
| 3000               | 3160             | 160                                 | DOLOMITE/LIMESTONE/SHALE                |
| 3160               | 3440             | 280                                 | ANHYDRITE/DOLOMITE/LIMESTONE/SAND/SHALE |
| 3440               | 3700             | 260                                 | ANHYDRITE/DOLOMITE/SHALE/LIMESTONE      |
| 3700               | 3780             | 80                                  | ANHYDRITE/LIME/DOLOMITE                 |
| 3780               | 3785             | 5                                   | ANHYDRITE/DOLOMITE                      |
| 3785               | 4900             | 1115                                | ANHYDRITE/DOLOMITE/SHALE                |
| 4900               | 4920             | 20                                  | ANHYDRITE/DOLOMITE/SHALE/LIME/CHERT     |
| 4920               | 4960             | 40                                  | ANHYDRITE/DOLOMITE/SHALE/CHERT          |
| 4960               | 4970             | 10                                  | ANHYDRITE/DOLOMITE/SHALE                |
| 4970               | 5000             | 30                                  | ANHYDRITE/DOLOMITE/LIME/SHALE           |
| 5000               | 5049             | 49                                  | DOLOMITE/LIME/SHALE                     |

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

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|               |                 |             |
|---------------|-----------------|-------------|
| API Number    | Pool Code       | Pool Name   |
|               |                 | WOLFCAMP    |
| Property Code | Property Name   | Well Number |
|               | 1724 ROSS       | 121         |
| OGRID No.     | Operator Name   | Elevation   |
| 218885        | LCX ENERGY, LLC | 3669' GR.   |

Surface Location

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| 0             | 12      | 17 S     | 24 E  |         | 660           | SOUTH            | 1880          | 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 |
| B             | 12      | 17 S     | 24 E  |         | 660           | NORTH            | 1880          | 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

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.

PROJECT AREA

PRODUCING AREA

Plane Coordinate  
X = 477,989.5  
Y = 671,137.1

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
Joe T. Janica  
Printed Name  
Agent  
Title  
07/21/05  
Date

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

June 20, 2005

Date Surveyed  
Signature & Seal of Professional Surveyor  
W.O. Num. 2005-0526  
Certificate No. MACON McDONALD 12185

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 400 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. circulate cement to surface.
3. Drill 12¼" hole to 1250'. Run and set 1250' of 9 5/8" 40# J-55 ST&C casing. Cement with 500 Sx. of Class "C" cement + 2% CaCl, + 5% NaCl, + 6% Bentonite, + ¼# Flocele/Sx, tail in with 200 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. Circulate cement to surface.
4. Drill 8 3/4" hole to 5000'. Run and set 5000' of 7" 26# L-80 LT&C casing. Cement with 500 Sx. of Class "C" cement + 6% Bentonite, + 5% Salt, + ¼# Flocele/Sx.; tail in with 200 Sx. of Class "C" cement + 2% CaCl, estimate to- of cement 900' from surface.
5. Run in hole with CIBP on wireline and set at 4750'±. Run in hole with Whipstock set at 4690'± orient 180° South, Run in hole with mill and cut a window at 4690'±. Run in hole with 6 1/8" bit and bottom hole assembly to drill horizontal hole to TVD of 4940'±, MD of 8790±.
6. Run and set 4400' of 4½" 11.6# L-80 liner from 4390' to 8790'±. Cement with 425 Sx. of Class "C" Premium Plus cement + additives. Cement to top of liner.

There is no known presence of H<sub>2</sub>S in this area, no H<sub>2</sub>S has been encountered in any of the wells drilled in this area. The Bureau of Land Management does not have any record of H<sub>2</sub>S being present there.

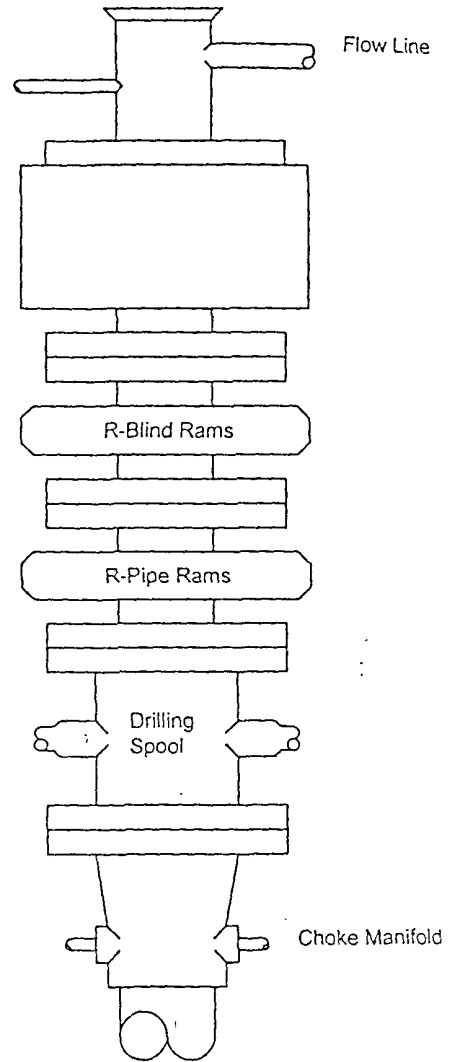
*Joel Janice*

# BLOWOUT PREVENTER SYSTEM

3000 PSI

Fill Line

Flow Line



900 SERIES  
3000 PSI WP

## Choke Manifold Assembly for 5M WP System

To Pit and/or  
Mud/Gas Separator

Adjustable  
Choke

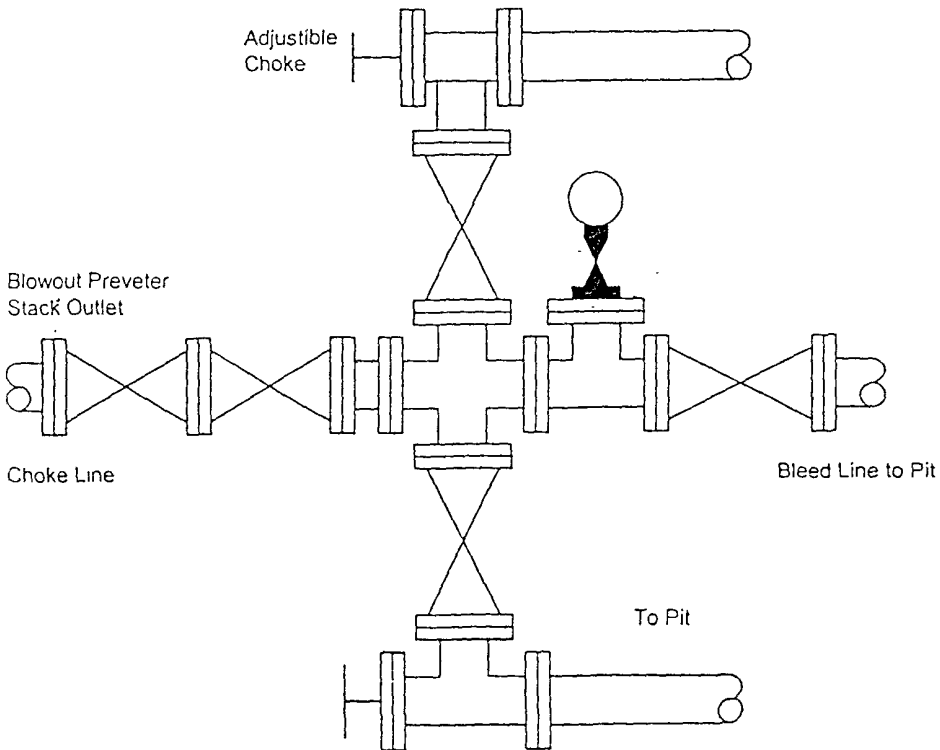
Blowout Preveter  
Stack Outlet

Choke Line

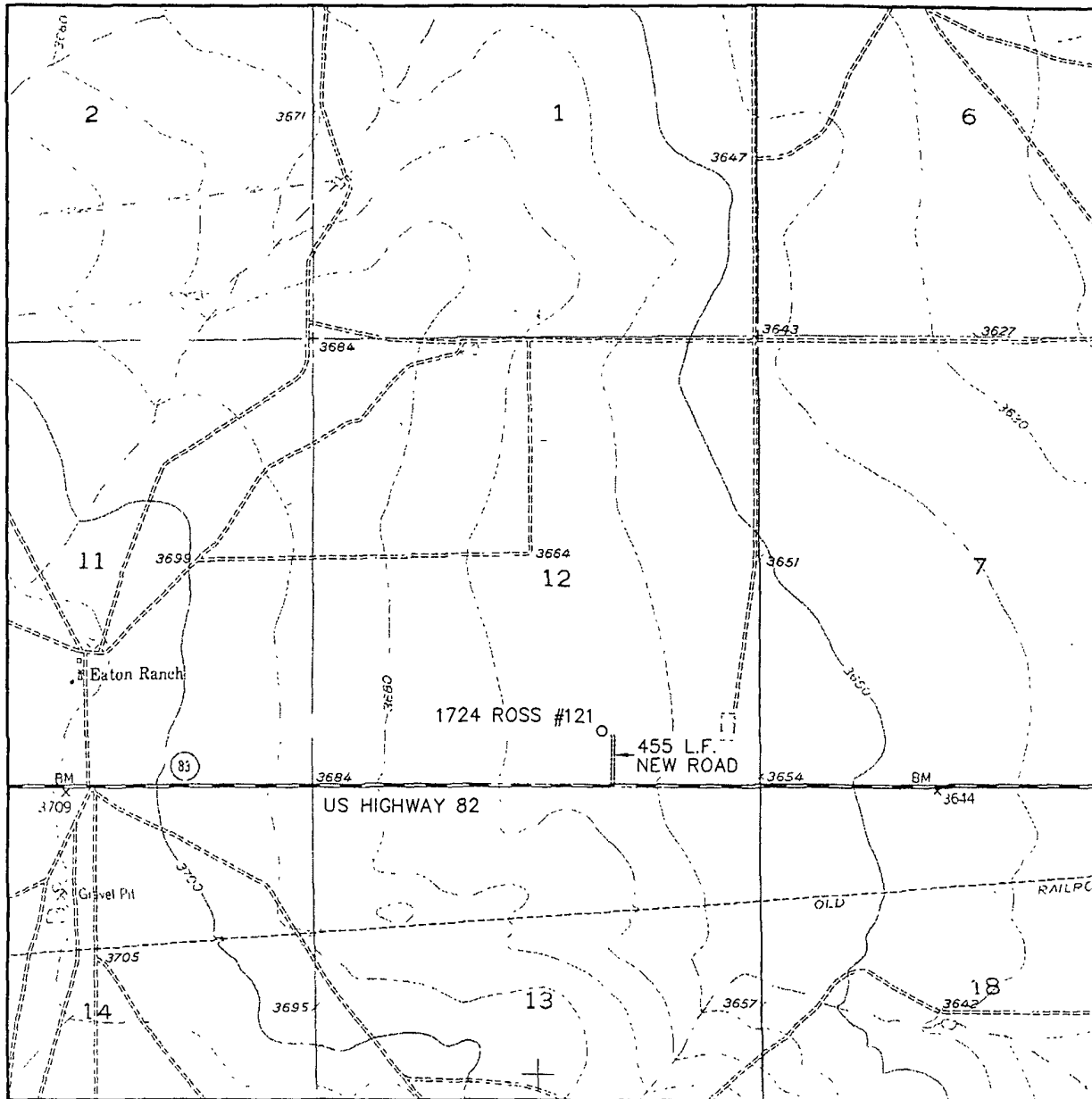
Bleed Line to Pit

To Pit

Adjustable Choke



# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'  
HOPE SE - 20'

SEC. 12 TWP. 17-S RGE. 24-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1880' FEL & 660' FSL

ELEVATION 3669'

OPERATOR LCX ENERGY, LLC

LEASE 1724 ROSS

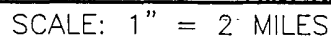
U.S.G.S. TOPOGRAPHIC MAP  
HOPE NE, N.M.



**WEST  
COMPANY**  
of Midland, Inc.

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

1. *Staphylococcus aureus* 2. *Staphylococcus epidermidis* 3. *Staphylococcus saprophyticus* 4. *Staphylococcus sciuri* 5. *Staphylococcus carnosus* 6. *Staphylococcus hyicus* 7. *Staphylococcus pasteuri* 8. *Staphylococcus saprophylus* 9. *Staphylococcus aureus* 10. *Staphylococcus aureus* 11. *Staphylococcus aureus* 12. *Staphylococcus aureus* 13. *Staphylococcus aureus* 14. *Staphylococcus aureus* 15. *Staphylococcus aureus* 16. *Staphylococcus aureus* 17. *Staphylococcus aureus* 18. *Staphylococcus aureus* 19. *Staphylococcus aureus* 20. *Staphylococcus aureus* 21. *Staphylococcus aureus* 22. *Staphylococcus aureus* 23. *Staphylococcus aureus* 24. *Staphylococcus aureus* 25. *Staphylococcus aureus* 26. *Staphylococcus aureus* 27. *Staphylococcus aureus* 28. *Staphylococcus aureus* 29. *Staphylococcus aureus* 30. *Staphylococcus aureus* 31. *Staphylococcus aureus* 32. *Staphylococcus aureus* 33. *Staphylococcus aureus* 34. *Staphylococcus aureus* 35. *Staphylococcus aureus* 36. *Staphylococcus aureus* 37. *Staphylococcus aureus* 38. *Staphylococcus aureus* 39. *Staphylococcus aureus* 40. *Staphylococcus aureus* 41. *Staphylococcus aureus* 42. *Staphylococcus aureus* 43. *Staphylococcus aureus* 44. *Staphylococcus aureus* 45. *Staphylococcus aureus* 46. *Staphylococcus aureus* 47. *Staphylococcus aureus* 48. *Staphylococcus aureus* 49. *Staphylococcus aureus* 50. *Staphylococcus aureus* 51. *Staphylococcus aureus* 52. *Staphylococcus aureus* 53. *Staphylococcus aureus* 54. *Staphylococcus aureus* 55. *Staphylococcus aureus* 56. *Staphylococcus aureus* 57. *Staphylococcus aureus* 58. *Staphylococcus aureus* 59. *Staphylococcus aureus* 60. *Staphylococcus aureus* 61. *Staphylococcus aureus* 62. *Staphylococcus aureus* 63. *Staphylococcus aureus* 64. *Staphylococcus aureus* 65. *Staphylococcus aureus* 66. *Staphylococcus aureus* 67. *Staphylococcus aureus* 68. *Staphylococcus aureus* 69. *Staphylococcus aureus* 70. *Staphylococcus aureus* 71. *Staphylococcus aureus* 72. *Staphylococcus aureus* 73. *Staphylococcus aureus* 74. *Staphylococcus aureus* 75. *Staphylococcus aureus* 76. *Staphylococcus aureus* 77. *Staphylococcus aureus* 78. *Staphylococcus aureus* 79. *Staphylococcus aureus* 80. *Staphylococcus aureus* 81. *Staphylococcus aureus* 82. *Staphylococcus aureus* 83. *Staphylococcus aureus* 84. *Staphylococcus aureus* 85. *Staphylococcus aureus* 86. *Staphylococcus aureus* 87. *Staphylococcus aureus* 88. *Staphylococcus aureus* 89. *Staphylococcus aureus* 90. *Staphylococcus aureus* 91. *Staphylococcus aureus* 92. *Staphylococcus aureus* 93. *Staphylococcus aureus* 94. *Staphylococcus aureus* 95. *Staphylococcus aureus* 96. *Staphylococcus aureus* 97. *Staphylococcus aureus* 98. *Staphylococcus aureus* 99. *Staphylococcus aureus* 100. *Staphylococcus aureus*



LEASE 1724 ROSS



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

## SECTION 12, TOWNSHIP 17 SOUTH, RANGE 24 EAST, N.M.P.M.

EDDY COUNTY

NEW MEXICO

L-2005-0495

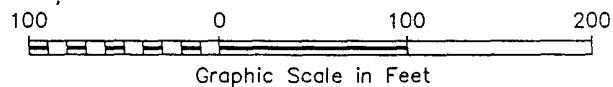
150' NORTH  
OFFSET  
Elev. 3669.1'  
□

150' WEST  
OFFSET □  
Elev. 3669.6'

1724 ROSS #121  
Gr. El. 3669'  
Lat. 32°50'42.48" N  
Long. 104°24'19.87" W  
(NAD '83)

150' EAST  
OFFSET □  
Elev. 3668.1'

□  
150' SOUTH  
OFFSET  
Elev. 3668.9'

DRIVING DIRECTIONS

FROM THE INTERSECTION OF US HIGHWAY 285 AND 82 IN ARTESIA, DRIVE WEST ALONG HIGHWAY 82 APPROXIMATELY 8.2 MILES. LOCATION IS NORTH OF HIGHWAY 82 660'.

**PERENCO, LLC****1724 ROSS #121**

Located 660' FSL & 1880' FEL, Section 12  
Township 17 South, Range 24 E, N.M.P.M.  
Eddy County, New Mexico

Drawn By: JSR

Date: June 22, 2005

Scale: 1"=100'

Field Book: 303 / 19-26

Revision Date:

Quadrangle: Espuela

W.O. No: 2005-0526

Dwg. No.: L-2005-0526

**WEST**  
**COMPANY**  
of Midland, Inc.

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

# Proposal

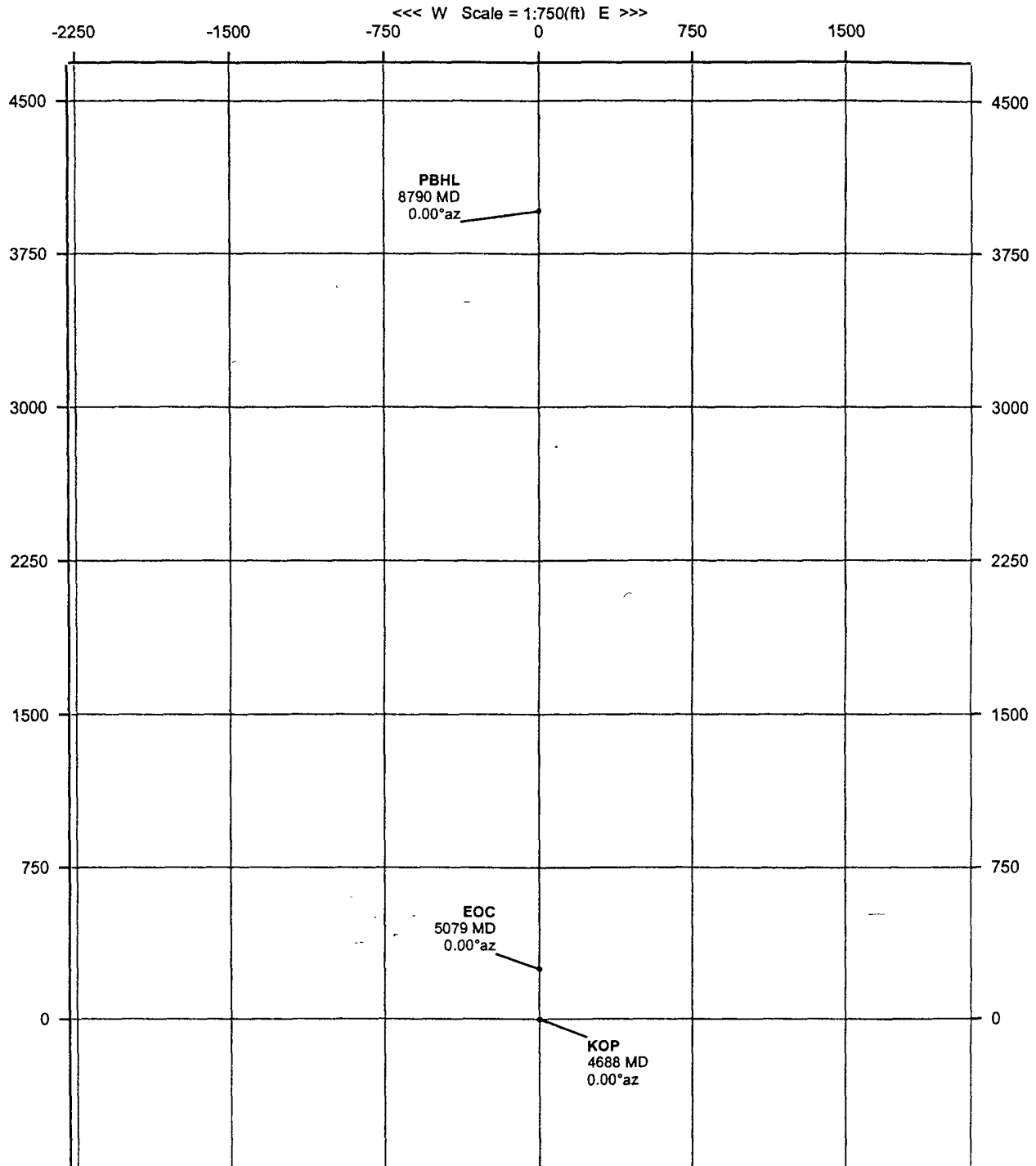


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Date:</b> June 6, 2005<br><b>Client:</b> Endeavor Energy<br><b>Field:</b> Eddy County, NM Nad 83<br><b>Structure / Slot:</b> 1724 Ross #121 / 1724 Ross #121<br><b>Well:</b> 1724 Ross #121<br><b>Borehole:</b> 1724 Ross #121<br><b>UWI/API#:</b><br><b>Survey Name / Date:</b> 1724 Ross 121_r1 / June 6, 2005<br><b>Tort / AHD / DDI / ERD ratio:</b> 90 000° / 3960.00 ft / 5.802 / 0.802<br><b>Grid Coordinate System:</b> NAD83 New Mexico State Planes, Eastern Zone, US Feet<br><b>Location Lat/Long:</b> N 32 27 58.536, W 104 17 54.240<br><b>Location Grid N/E Y/X:</b> N 533358.051 ftUS, E 552111.259 ftUS<br><b>Grid Convergence Angle:</b> +0.01875232°<br><b>Grid Scale Factor:</b> 0.99990922 | <b>Survey / DLS Computation Method:</b> Minimum Curvature / Lubinski<br><b>Vertical Section Azimuth:</b> 0.000°<br><b>Vertical Section Origin:</b> N 0.000 ft, E 0.000 ft<br><b>TVD Reference Datum:</b> RKB<br><b>TVD Reference Elevation:</b> 0.0 ft relative to<br><b>Sea Bed / Ground Level Elevation:</b> 0.000 ft relative to<br><b>Magnetic Declination:</b> 8.638°<br><b>Total Field Strength:</b> 49318.957 nT<br><b>Magnetic Dip:</b> 60.427°<br><b>Declination Date:</b> June 06, 2005<br><b>Magnetic Declination Model:</b> IGRF 2005<br><b>North Reference:</b> Grid North<br><b>Total Corr Mag North -&gt; Grid North:</b> +8.619°<br><b>Local Coordinates Referenced To:</b> Well Head |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Tool Face<br>(deg) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|--------------------|
| Tic-In   | 0.00                   | 0.00                 | 0.00             | 0.00        | 0.00                     | 0.00       | 0.00       | 0.00            | 0.00                     | 0.00                | 0.00M              |
| KOP      | 4687.89                | 0.00                 | 0.00             | 4687.89     | 0.00                     | 0.00       | 0.00       | 0.00            | 0.00                     | 0.00                | 0.00M              |
|          | 4700.00                | 2.79                 | 0.00             | 4700.00     | 0.29                     | 0.29       | 0.00       | 0.29            | 0.00                     | 23.00               | 0.00M              |
|          | 4800.00                | 25.79                | 0.00             | 4796.25     | 24.80                    | 24.80      | 0.00       | 24.80           | 0.00                     | 23.00               | 0.00G              |
|          | 4900.00                | 48.79                | 0.00             | 4875.28     | 84.98                    | 84.98      | 0.00       | 84.98           | 0.00                     | 23.00               | 0.00G              |
|          | 5000.00                | 71.79                | 0.00             | 4924.52     | 171.25                   | 171.25     | 0.00       | 171.25          | 0.00                     | 23.00               | 0.00G              |
| EOC      | 5079.19                | 90.00                | 0.00             | 4937.00     | 249.11                   | 249.11     | 0.00       | 249.11          | 0.00                     | 23.00               | 0.00G              |
| PBHL     | 8790.08                | 90.00                | 0.00             | 4937.00     | 3960.00                  | 3960.00    | 0.00       | 3960.00         | 0.00                     | 0.00                | 0.00G              |

# Endeavor Energy

|                     |  |                |  |                     |  |                        |  |                                                     |  |                                       |  |
|---------------------|--|----------------|--|---------------------|--|------------------------|--|-----------------------------------------------------|--|---------------------------------------|--|
| WELL                |  | 1724 Ross #121 |  | FIELD               |  | Eddy County, NM Nad 83 |  | STRUCTURE                                           |  | 1724 Ross #121                        |  |
| Magnetic Parameters |  |                |  | Surface Location    |  |                        |  | Miscellaneous                                       |  |                                       |  |
| Model: KGRF 2006    |  | Dip: 00 42°    |  | Date: June 06, 2006 |  | Lat: N32 27 56.636     |  | NAD83 New Mexico State Plane, Eastern Zone, US Feet |  | Slot: 1724 Ross #121                  |  |
| Mag Dec: +8.638°    |  | FB             |  | 48519.0 nT          |  | Long: W104 17 54.240   |  | Grid Conv: +0.0163232°                              |  | TVD Ref: RKB (0.00 ft above)          |  |
|                     |  |                |  |                     |  | Easting: 652111.26 mU8 |  | Scale Fact: 0.999992230                             |  | Plan: 1724 Ross 121 .r1               |  |
|                     |  |                |  |                     |  |                        |  |                                                     |  | Bryl Date: Mon 06 00 AM June 06, 2006 |  |

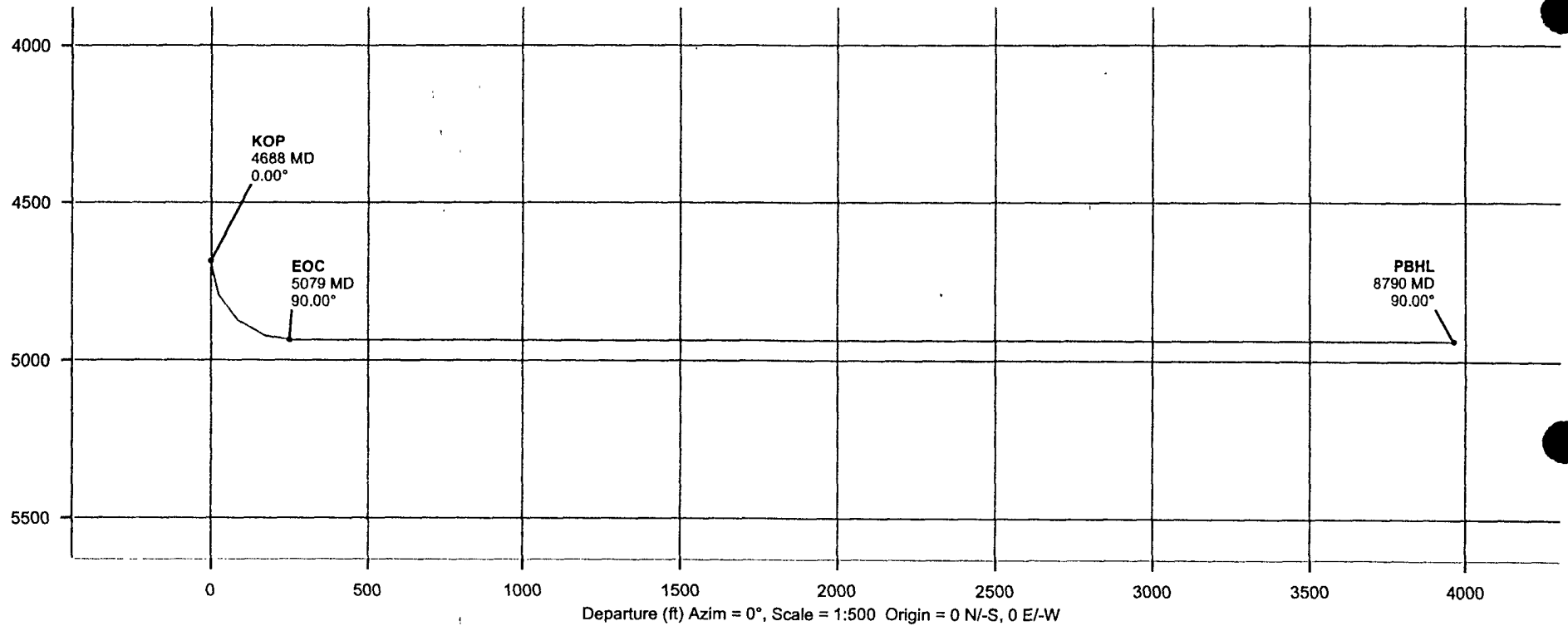


**INTREPID**  
Directional Drilling Specialists



# Endeavor Energy

|                                                                                                                        |                                                                                                                       |                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| WELL<br><b>1724 Ross #121</b>                                                                                          | FIELD<br><b>Eddy County, NM Nad 83</b>                                                                                | STRUCTURE<br><b>1724 Ross #121</b>                                                                                                             |
| <b>Magnetic Parameters</b><br>Model IGRF 2005    Dip 80.427°    Date June 06, 2005<br>Mag Dec +6.638°    FS 49310.0 nT | <b>Surface Location</b><br>Lat N32 27 58.536    Northing 533358.05 RUS<br>Lon W104 17 54.240    Easting 552111.26 RUS | <b>Miscellaneous</b><br>Slot 1724 Ross #121    TVD Ref: RKB (0.00 ft above)<br>Plan 1724 Ross 121 .r1    Srvy Date: Mon 06:00 AM June 06, 2005 |



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# Survey Report

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Date:</b> November 21, 2005<br><b>Client:</b> LCX Energy LLC.<br><b>Field:</b> Eddy County, NM Nad 83<br><b>Structure / Slot:</b> 1724 Ross #121 / 1724 Ross #121<br><b>Well:</b> 1724 Ross #121<br><b>Borehole:</b> 1724 Ross #121<br><b>UWI/API#:</b><br><b>Survey Name / Date:</b> 1724 Ross #121_surveys / October 25, 2005<br><b>Tort / AHD / DDI / ERD ratio:</b> 200.910° / 4300 34 ft / 6.197 / 0.868<br><b>Grid Coordinate System:</b> NAD83 New Mexico State Planes, Eastern Zone, US Feet<br><b>Location Lat/Long:</b> N 32 50 41.318, W 104 32 22 571<br><b>Location Grid N/E Y/X:</b> N 671137.100 ftUS, E 477989.500 ftUS<br><b>Grid Convergence Angle:</b> -0.11187393°<br><b>Grid Scale Factor:</b> 0.99991369 | <b>Survey / DLS Computation Method:</b> Minimum Curvature / Lubinski<br><b>Vertical Section Azimuth:</b> 0.090°<br><b>Vertical Section Origin:</b> N 0.000 ft, E 0.000 ft<br><b>TVD Reference Datum:</b> RKB<br><b>TVD Reference Elevation:</b> 0.0 ft relative to<br><b>Sea Bed / Ground Level Elevation:</b> 0.000 ft relative to<br><b>Magnetic Declination:</b> 8.734°<br><b>Total Field Strength:</b> 49482.064 nT<br><b>Magnetic Dip:</b> 60.727°<br><b>Declination Date:</b> October 25, 2005<br><b>Magnetic Declination Model:</b> IGRF 2005<br><b>North Reference:</b> Grid North<br><b>Total Corr Mag North -&gt; Grid North:</b> +8.846°<br><b>Local Coordinates Referenced To:</b> Well Head |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

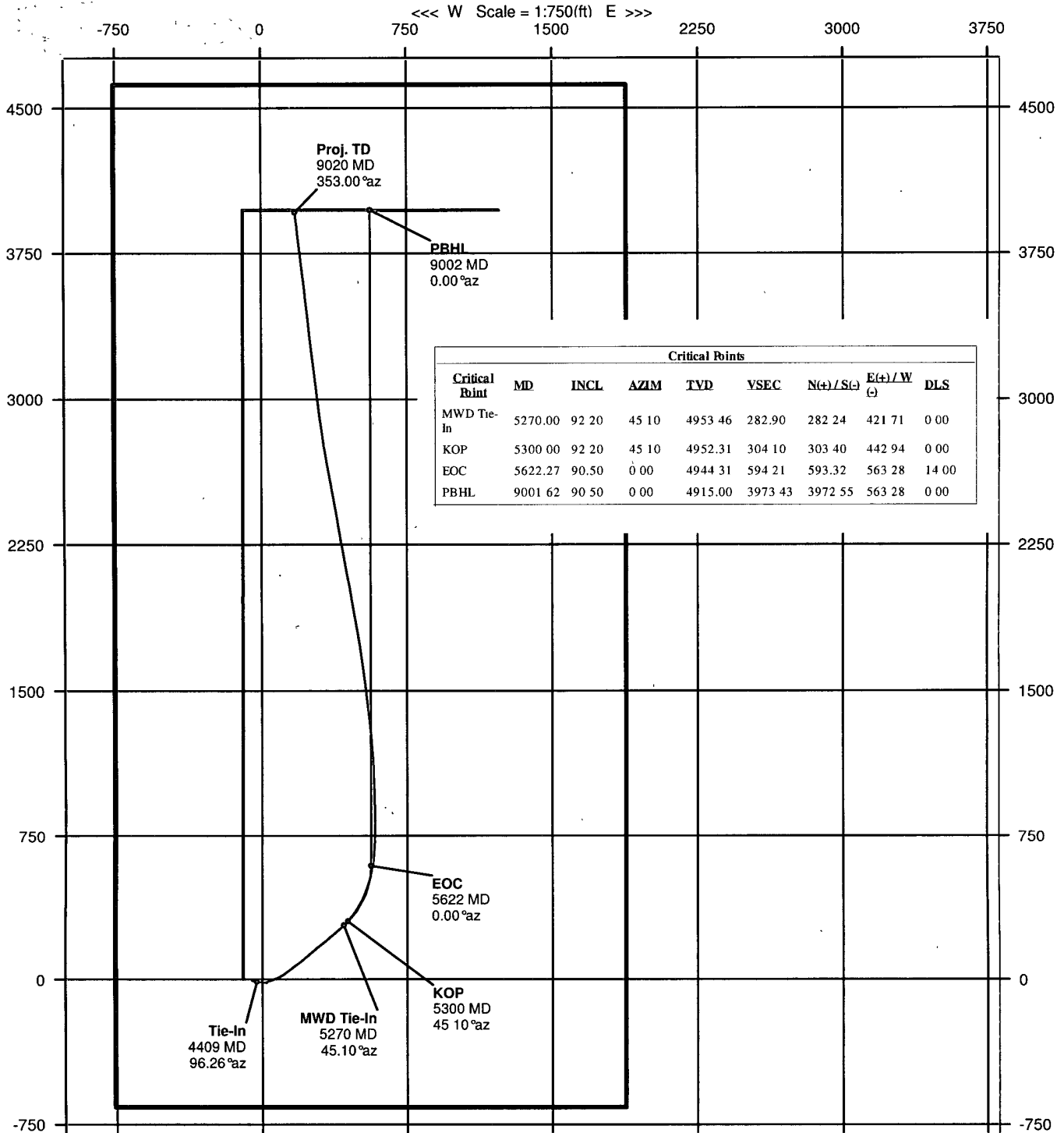
| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Tool Face<br>(deg) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|--------------------|
| Tie-In   | 4409.40                | 5.20                 | 96.26            | 4408.08     | -12.51                   | -12.46     | -29.55     | 32.07           | 247.13                   | 0.00                | 78.78G             |
|          | 4452.00                | 5.30                 | 100.90           | 4450.50     | -13.09                   | -13.05     | -25.70     | 28.82           | 243.08                   | 1.02                | 147.71G            |
|          | 4484.00                | 5.20                 | 101.60           | 4482.37     | -13.65                   | -13.62     | -22.82     | 26.58           | 239.18                   | 0.37                | 3.76G              |
|          | 4515.00                | 6.60                 | 102.40           | 4513.20     | -14.31                   | -14.28     | -19.71     | 24.34           | 234.07                   | 4.52                | -4.02G             |
|          | 4546.00                | 10.50                | 100.90           | 4543.85     | -15.22                   | -15.20     | -15.19     | 21.49           | 224.99                   | 12.60               | -21.53G            |
|          | 4578.00                | 14.70                | 94.50            | 4575.08     | -16.08                   | -16.07     | -8.28      | 18.08           | 207.25                   | 13.81               | -29.80G            |
|          | 4609.00                | 19.30                | 86.80            | 4604.72     | -16.09                   | -16.09     | 0.76       | 16.11           | 177.28                   | 16.49               | -24.80G            |
|          | 4640.00                | 24.30                | 81.30            | 4633.49     | -14.82                   | -14.84     | 12.19      | 19.21           | 140.60                   | 17.41               | -22.29G            |
|          | 4672.00                | 29.40                | 77.10            | 4662.04     | -12.05                   | -12.09     | 26.37      | 29.01           | 114.63                   | 17.00               | -25.14G            |
|          | 4703.00                | 34.70                | 72.80            | 4688.31     | -7.71                    | -7.78      | 42.23      | 42.94           | 100.44                   | 18.60               | -35.09G            |
|          | 4734.00                | 38.30                | 68.80            | 4713.23     | -1.60                    | -1.69      | 59.62      | 59.65           | 91.63                    | 13.91               | -27.50G            |
|          | 4766.00                | 44.30                | 64.40            | 4737.26     | 6.86                     | 6.73       | 78.97      | 79.25           | 85.13                    | 20.82               | -55.50G            |
|          | 4799.00                | 47.80                | 57.90            | 4760.17     | 18.37                    | 18.22      | 99.73      | 101.38          | 79.65                    | 17.70               | -47.44G            |
|          | 4831.00                | 50.10                | 54.70            | 4781.19     | 31.80                    | 31.61      | 119.80     | 123.90          | 75.22                    | 10.42               | -33.09G            |
|          | 4862.00                | 52.30                | 52.90            | 4800.61     | 46.10                    | 45.88      | 139.28     | 146.65          | 71.77                    | 8.42                | -31.16G            |
|          | 4894.00                | 53.50                | 52.00            | 4819.92     | 61.69                    | 61.44      | 159.52     | 170.94          | 68.94                    | 4.37                | -141.25G           |
|          | 4925.00                | 53.40                | 51.90            | 4838.38     | 77.07                    | 76.79      | 179.13     | 194.89          | 66.80                    | 0.41                | -11.69G            |
|          | 4956.00                | 55.80                | 51.30            | 4856.33     | 92.80                    | 92.48      | 198.93     | 219.38          | 65.07                    | 7.90                | -17.51G            |
|          | 4998.00                | 60.80                | 49.50            | 4878.40     | 115.62                   | 115.26     | 226.44     | 254.09          | 63.02                    | 12.45               | -7.74G             |
|          | 5029.00                | 62.10                | 49.30            | 4893.21     | 133.37                   | 132.99     | 247.12     | 280.63          | 61.71                    | 4.23                | -6.40G             |
|          | 5061.00                | 63.70                | 49.10            | 4907.79     | 152.02                   | 151.60     | 268.68     | 308.50          | 60.57                    | 5.03                | 32.77G             |
|          | 5082.00                | 65.40                | 50.30            | 4916.81     | 164.31                   | 163.86     | 283.14     | 327.14          | 59.94                    | 9.60                | 1.84G              |
|          | 5113.00                | 68.30                | 50.40            | 4929.00     | 182.53                   | 182.05     | 305.09     | 355.27          | 59.18                    | 9.36                | 2.33G              |
|          | 5145.00                | 73.00                | 50.60            | 4939.60     | 201.76                   | 201.25     | 328.38     | 385.14          | 58.50                    | 14.70               | -3.01G             |
|          | 5176.00                | 78.60                | 50.30            | 4947.20     | 220.93                   | 220.38     | 351.54     | 414.91          | 57.92                    | 18.09               | -1.90G             |
|          | 5207.00                | 84.60                | 50.10            | 4951.73     | 240.59                   | 240.00     | 375.09     | 445.30          | 57.39                    | 19.37               | -28.33G            |
|          | 5239.00                | 88.50                | 48.00            | 4953.65     | 261.55                   | 260.93     | 399.21     | 476.92          | 56.83                    | 13.84               | -38.09G            |
|          | 5270.00                | 92.20                | 45.10            | 4953.46     | 282.90                   | 282.24     | 421.71     | 507.44          | 56.21                    | 15.16               | -48.06G            |
|          | 5313.00                | 96.30                | 40.50            | 4950.28     | 314.39                   | 313.69     | 450.83     | 549.23          | 55.17                    | 14.31               | -69.06G            |
|          | 5344.00                | 97.80                | 36.50            | 4946.47     | 338.49                   | 337.76     | 469.98     | 578.76          | 54.30                    | 13.69               | -82.53G            |
|          | 5376.00                | 98.30                | 32.50            | 4941.99     | 364.63                   | 363.86     | 487.93     | 608.66          | 53.29                    | 12.47               | -97.30G            |
|          | 5407.00                | 97.80                | 28.70            | 4937.64     | 391.07                   | 390.28     | 503.55     | 637.08          | 52.22                    | 12.24               | -120.92G           |
|          | 5439.00                | 95.70                | 25.20            | 4933.88     | 419.41                   | 418.60     | 517.94     | 665.95          | 51.05                    | 12.69               | -119.13G           |
|          | 5470.00                | 93.80                | 21.80            | 4931.31     | 447.76                   | 446.93     | 530.26     | 693.48          | 49.87                    | 12.53               | -129.57G           |
|          | 5502.00                | 91.40                | 18.90            | 4929.86     | 477.74                   | 476.89     | 541.37     | 721.47          | 48.62                    | 11.76               | -131.00G           |
|          | 5534.00                | 89.40                | 16.60            | 4929.64     | 508.23                   | 507.37     | 551.13     | 749.11          | 47.37                    | 9.52                | -104.06G           |
|          | 5565.00                | 88.60                | 13.40            | 4930.18     | 538.18                   | 537.30     | 559.15     | 775.46          | 46.14                    | 10.64               | -81.28G            |
|          | 5596.00                | 89.00                | 10.80            | 4930.83     | 568.49                   | 567.60     | 565.64     | 801.33          | 44.90                    | 8.48                | -80.93G            |

| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Tool Face<br>(deg) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|--------------------|
|          | 5628.00                | 89.40                | 8.30             | 4931.28     | 600.05                   | 599.15     | 570.95     | 827.63          | 43.62                    | 7.91                | -127.27G           |
|          | 5659.00                | 87.50                | 5.80             | 4932.12     | 630.81                   | 629.90     | 574.76     | 852.72          | 42.38                    | 10.13               | -111.86G           |
|          | 5691.00                | 86.90                | 4.30             | 4933.68     | 662.65                   | 661.74     | 577.57     | 878.34          | 41.11                    | 5.04                | -74.05G            |
|          | 5722.00                | 87.10                | 3.60             | 4935.30     | 693.53                   | 692.62     | 579.70     | 903.21          | 39.93                    | 2.35                | -81.89G            |
|          | 5753.00                | 87.30                | 2.20             | 4936.82     | 724.46                   | 723.55     | 581.27     | 928.11          | 38.78                    | 4.56                | -119.79G           |
|          | 5785.00                | 86.90                | 1.50             | 4938.43     | 756.40                   | 755.49     | 582.30     | 953.85          | 37.62                    | 2.52                | -153.47G           |
|          | 5816.00                | 86.70                | 1.40             | 4940.17     | 787.35                   | 786.43     | 583.08     | 979.01          | 36.55                    | 0.72                | -44.99G            |
|          | 5848.00                | 87.70                | 0.40             | 4941.73     | 819.30                   | 818.39     | 583.59     | 1005.15         | 35.49                    | 4.42                | -31.84G            |
|          | 5908.00                | 90.60                | 358.60           | 4942.62     | 879.28                   | 878.37     | 583.06     | 1054.27         | 33.58                    | 5.69                | -153.43G           |
|          | 5971.00                | 90.40                | 358.50           | 4942.07     | 942.26                   | 941.35     | 581.47     | 1106.45         | 31.70                    | 0.35                | -90.00G            |
|          | 6034.00                | 90.40                | 357.70           | 4941.63     | 1005.22                  | 1004.31    | 579.38     | 1159.45         | 29.98                    | 1.27                | -6.01G             |
|          | 6096.00                | 92.30                | 357.50           | 4940.17     | 1067.14                  | 1066.24    | 576.78     | 1212.25         | 28.41                    | 3.08                | -74.03G            |
|          | 6159.00                | 92.50                | 356.80           | 4937.53     | 1130.00                  | 1129.10    | 573.65     | 1266.47         | 26.93                    | 1.15                | -48.76G            |
|          | 6200.00                | 93.20                | 356.00           | 4935.49     | 1170.87                  | 1169.97    | 571.08     | 1301.91         | 26.02                    | 2.59                | 0.00G              |
|          | 6262.00                | 94.10                | 356.00           | 4931.54     | 1232.58                  | 1231.69    | 566.77     | 1355.84         | 24.71                    | 1.45                | -149.42G           |
|          | 6324.00                | 91.90                | 354.70           | 4928.30     | 1294.28                  | 1293.40    | 561.75     | 1410.12         | 23.48                    | 4.12                | -145.30G           |
|          | 6387.00                | 90.60                | 353.80           | 4926.93     | 1356.94                  | 1356.07    | 555.44     | 1465.41         | 22.27                    | 2.51                | -125.54G           |
|          | 6450.00                | 90.10                | 353.10           | 4926.54     | 1419.51                  | 1418.65    | 548.25     | 1520.91         | 21.13                    | 1.37                | -101.31G           |
|          | 6513.00                | 90.00                | 352.60           | 4926.49     | 1482.01                  | 1481.16    | 540.41     | 1576.67         | 20.04                    | 0.81                | -146.31G           |
|          | 6576.00                | 89.70                | 352.40           | 4926.65     | 1544.46                  | 1543.62    | 532.19     | 1632.79         | 19.02                    | 0.57                | -9.46G             |
|          | 6638.00                | 90.30                | 352.30           | 4926.65     | 1605.89                  | 1605.07    | 523.93     | 1688.42         | 18.08                    | 0.98                | -26.56G            |
|          | 6701.00                | 90.90                | 352.00           | 4925.99     | 1668.28                  | 1667.48    | 515.33     | 1745.29         | 17.17                    | 1.06                | -41.17G            |
|          | 6764.00                | 91.70                | 351.30           | 4924.56     | 1730.59                  | 1729.79    | 506.18     | 1802.33         | 16.31                    | 1.69                | -154.65G           |
|          | 6827.00                | 89.80                | 350.40           | 4923.74     | 1792.76                  | 1791.98    | 496.16     | 1859.40         | 15.48                    | 3.34                | -20.22G            |
|          | 6889.00                | 91.70                | 349.70           | 4922.93     | 1853.80                  | 1853.04    | 485.45     | 1915.57         | 14.68                    | 3.27                | 169.70G            |
|          | 6952.00                | 90.60                | 349.90           | 4921.66     | 1915.77                  | 1915.03    | 474.30     | 1972.89         | 13.91                    | 1.77                | 170.54G            |
|          | 7014.00                | 89.40                | 350.10           | 4921.66     | 1976.81                  | 1976.09    | 463.53     | 2029.73         | 13.20                    | 1.96                | -145.32G           |
|          | 7077.00                | 88.10                | 349.20           | 4923.04     | 2038.75                  | 2038.05    | 452.22     | 2087.61         | 12.51                    | 2.51                | 29.74G             |
|          | 7148.00                | 88.80                | 349.60           | 4924.96     | 2108.50                  | 2107.81    | 439.16     | 2153.07         | 11.77                    | 1.14                | -125.55G           |
|          | 7211.00                | 88.30                | 348.90           | 4926.55     | 2170.35                  | 2169.68    | 427.42     | 2211.38         | 11.14                    | 1.37                | 63.44G             |
|          | 7273.00                | 88.70                | 349.70           | 4928.17     | 2231.23                  | 2230.58    | 415.91     | 2269.03         | 10.56                    | 1.44                | 45.00G             |
|          | 7336.00                | 89.00                | 350.00           | 4929.44     | 2293.22                  | 2292.58    | 404.81     | 2328.05         | 10.01                    | 0.67                | 16.70G             |
|          | 7399.00                | 90.00                | 350.30           | 4929.99     | 2355.27                  | 2354.65    | 394.03     | 2387.39         | 9.50                     | 1.66                | 9.46G              |
|          | 7462.00                | 91.80                | 350.60           | 4929.00     | 2417.37                  | 2416.77    | 383.58     | 2447.02         | 9.02                     | 2.90                | -75.95G            |
|          | 7524.00                | 91.90                | 350.20           | 4927.00     | 2478.45                  | 2477.87    | 373.25     | 2505.82         | 8.57                     | 0.66                | -73.27G            |
|          | 7587.00                | 92.20                | 349.20           | 4924.74     | 2540.38                  | 2539.81    | 361.99     | 2565.48         | 8.11                     | 1.66                | 153.44G            |
|          | 7649.00                | 91.60                | 349.50           | 4922.69     | 2601.26                  | 2600.71    | 350.54     | 2624.23         | 7.68                     | 1.08                | -161.57G           |
|          | 7717.00                | 91.30                | 349.40           | 4920.97     | 2668.07                  | 2667.54    | 338.09     | 2688.88         | 7.22                     | 0.47                | 24.99G             |
|          | 7778.00                | 92.80                | 350.10           | 4918.78     | 2728.04                  | 2727.53    | 327.24     | 2747.09         | 6.84                     | 2.71                | 85.56G             |
|          | 7839.00                | 92.90                | 351.40           | 4915.75     | 2788.15                  | 2787.66    | 317.45     | 2805.67         | 6.50                     | 2.13                | 111.81G            |
|          | 7901.00                | 92.70                | 351.90           | 4912.72     | 2849.41                  | 2848.93    | 308.46     | 2865.58         | 6.18                     | 0.87                | 149.75G            |
|          | 7962.00                | 91.50                | 352.60           | 4910.49     | 2909.80                  | 2909.33    | 300.24     | 2924.78         | 5.89                     | 2.28                | 160.02G            |
|          | 8024.00                | 90.40                | 353.00           | 4909.46     | 2971.29                  | 2970.83    | 292.47     | 2985.19         | 5.62                     | 1.89                | 175.24G            |
|          | 8085.00                | 89.20                | 353.10           | 4909.67     | 3031.82                  | 3031.38    | 285.09     | 3044.76         | 5.37                     | 1.97                | 174.81G            |
|          | 8147.00                | 88.10                | 353.20           | 4911.13     | 3093.35                  | 3092.92    | 277.70     | 3105.36         | 5.13                     | 1.78                | -18.43G            |
|          | 8209.00                | 89.00                | 352.90           | 4912.70     | 3154.86                  | 3154.44    | 270.20     | 3165.99         | 4.90                     | 1.53                | 153.45G            |
|          | 8270.00                | 88.20                | 353.30           | 4914.19     | 3215.39                  | 3214.98    | 262.87     | 3225.71         | 4.67                     | 1.47                | -9.46G             |
|          | 8332.00                | 89.40                | 353.10           | 4915.49     | 3276.93                  | 3276.53    | 255.53     | 3286.48         | 4.46                     | 1.96                | 14.04G             |
|          | 8394.00                | 90.60                | 353.40           | 4915.49     | 3338.49                  | 3338.10    | 248.24     | 3347.32         | 4.25                     | 2.00                | 18.43G             |
|          | 8456.00                | 90.90                | 353.50           | 4914.68     | 3400.07                  | 3399.69    | 241.17     | 3408.23         | 4.06                     | 0.51                | -167.00G           |
|          | 8517.00                | 89.60                | 353.20           | 4914.41     | 3460.64                  | 3460.28    | 234.11     | 3468.19         | 3.87                     | 2.19                | 14.93G             |
|          | 8579.00                | 91.10                | 353.60           | 4914.03     | 3522.22                  | 3521.86    | 226.98     | 3529.17         | 3.69                     | 2.50                | -44.99G            |
|          | 8640.00                | 91.20                | 353.50           | 4912.81     | 3582.81                  | 3582.47    | 220.13     | 3589.22         | 3.52                     | 0.23                | -164.74G           |
|          | 8702.00                | 90.10                | 353.20           | 4912.11     | 3644.37                  | 3644.04    | 212.95     | 3650.26         | 3.34                     | 1.84                | 0.00G              |

| Comments | Measured<br>Depth<br>( ft ) | Inclination<br>( deg ) | Azimuth<br>( deg ) | TVD<br>( ft ) | Vertical<br>Section<br>( ft ) | NS<br>( ft ) | EW<br>( ft ) | Closure<br>( ft ) | Closure<br>Azimuth<br>( deg ) | DLS<br>( deg/100 ft ) | Tool Face<br>( deg ) |
|----------|-----------------------------|------------------------|--------------------|---------------|-------------------------------|--------------|--------------|-------------------|-------------------------------|-----------------------|----------------------|
|          | 8764.00                     | 90.60                  | 353.20             | 4911.73       | 3705.92                       | 3705.61      | 205.61       | 3711.31           | 3.18                          | 0.81                  | -90.00G              |
|          | 8825.00                     | 90.60                  | 353.10             | 4911.09       | 3766.47                       | 3766.17      | 198.34       | 3771.39           | 3.01                          | 0.16                  | -172.87G             |
|          | 8887.00                     | 89.80                  | 353.00             | 4910.87       | 3828.01                       | 3827.71      | 190.83       | 3832.47           | 2.85                          | 1.30                  | 0.00G                |
|          | 8948.00                     | 90.20                  | 353.00             | 4910.87       | 3888.54                       | 3888.26      | 183.40       | 3892.58           | 2.70                          | 0.66                  | 180.00G              |
|          | 8967.00                     | 90.10                  | 353.00             | 4910.82       | 3907.39                       | 3907.11      | 181.08       | 3911.31           | 2.65                          | 0.53                  | 180.00G              |
| Proj. TD | 9020.00                     | 89.80                  | 353.00             | 4910.87       | 3959.99                       | 3959.72      | 174.62       | 3963.57           | 2.53                          | 0.57                  | 0.00G                |

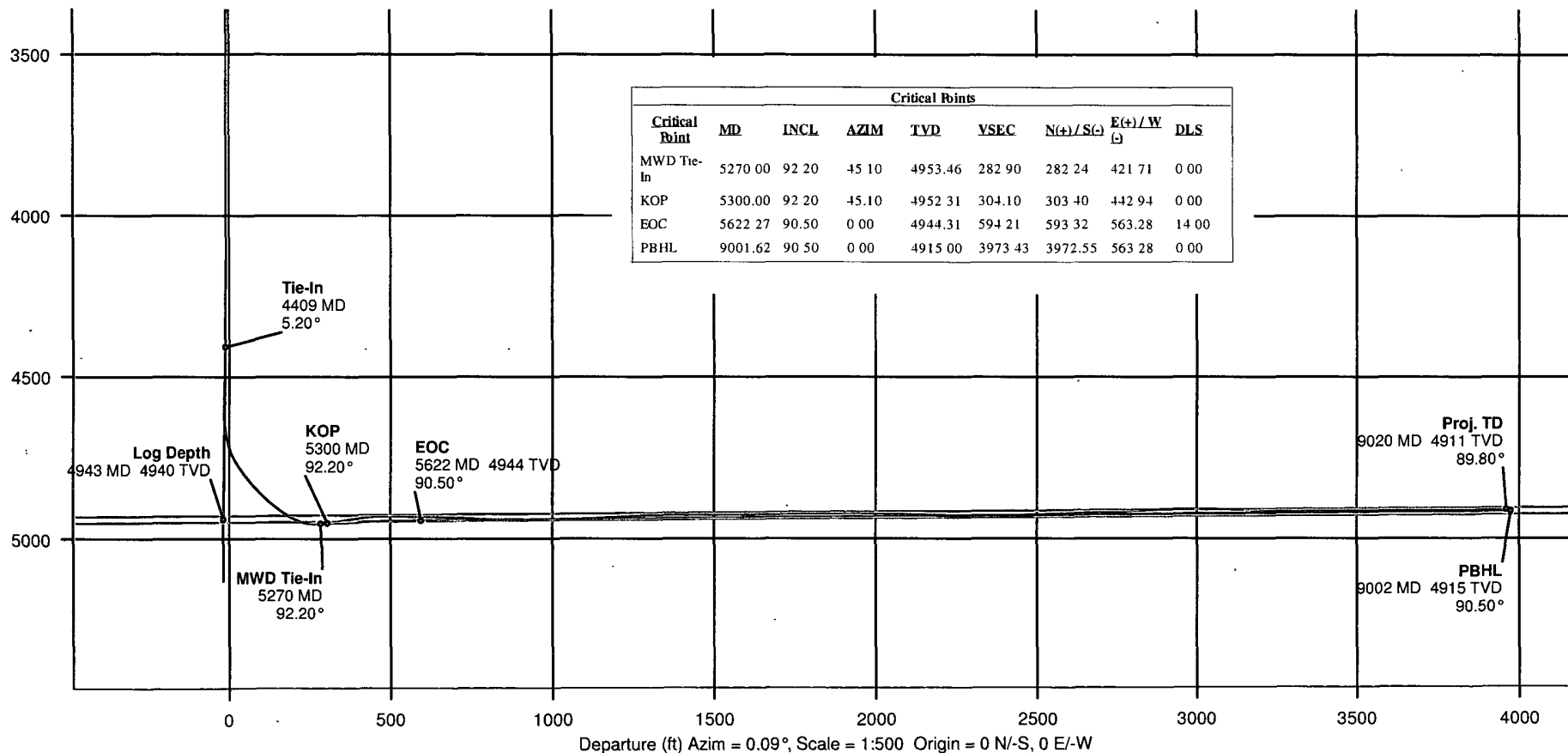
# LCX Energy LLC.

|                                                                                                           |                                                                                                                                                                                                                    |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| WELL 1724 Ross #121                                                                                       | FIELD Eddy County, NM                                                                                                                                                                                              | STRUCTURE 1724 Ross #121                                                                                                             |
| Magnetic Parameters<br>Model IGRF 2005 Dip 60.727° Date October 25, 2005<br>Mag Dec +6.734° PS 49492.1 nT | Surface Location<br>Lat N32.58 41.318 Lon W104.32 22.571<br>Northing 671137.10 NUS Easting 477989.50 NUS<br>NAD83 New Mexico State Planes, Eastern Zone, US Feet<br>Grid Conv -0.11187393° Scale Fact 0.9999136963 | Miscellaneous<br>Slot 1724 Ross #121 Plan 1724 Ross #121 surveys<br>TVD Ref RKB (0.00' above) Srvy Date Tue 02 24 AM October 25 2005 |



# LCX Energy LLC.

|                                                                                                                    |                                                                                                                                                                       |                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| WELL<br><b>1724 Ross #121</b>                                                                                      | FIELD<br><b>Eddy County, NM</b>                                                                                                                                       | STRUCTURE<br><b>1724 Ross #121</b>                                                                                                            |
| Magnetic Parameters<br>Model IGRF 2005    Dip 60 727°    Date October 25, 2005<br>Mag Dec +8 734°    FS 49482.1 nT | Surface Location<br>Lat N32 50 41.318    Northing 671137.10 ftUS    Grid Conv -0 11187393°<br>Lon W104 32 22.571    Easting 477989.50 ftUS    Scale Fact 0.9999136863 | Miscellaneous<br>Slot 1724 Ross #121    TVD Ref RKB (0.00 ft above)<br>Plan 1724 Ross #121 surveys    Srvy Date Tue 02 24 AM October 25, 2005 |



**INTREPID**  
Directional Drilling Specialists



# Survey Report

|                                                                              |                                                               |
|------------------------------------------------------------------------------|---------------------------------------------------------------|
| Report Date: November 21, 2005                                               | Survey / DLS Computation Method: Minimum Curvature / Lubinski |
| Client: LCX Energy LLC                                                       | Vertical Section Azimuth: 0.090°                              |
| Field: Eddy County, NM Nad 83                                                | Vertical Section Origin: N 0.000 ft, E 0.000 ft               |
| Structure / Slot: 1724 Ross #121 / 1724 Ross #121                            | TVD Reference Datum: RKB                                      |
| Well: 1724 Ross #121                                                         | TVD Reference Elevation: 0.0 ft relative to                   |
| Borehole: 1724 Ross #121                                                     | Sea Bed / Ground Level Elevation: 0.000 ft relative to        |
| UWI/API#:                                                                    | Magnetic Declination: 8.734°                                  |
| Survey Name / Date: 1724 Ross #121_surveys / October 25, 2005                | Total Field Strength: 49482.064 nT                            |
| Tort / AHD / DDI / ERD ratio: 200.910° / 4300.34 ft / 6.197 / 0.868          | Magnetic Dip: 60.727°                                         |
| Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone, US Feet | Declination Date: October 25, 2005                            |
| Location Lat/Long: N 32 50 41.318, W 104 32 22.571                           | Magnetic Declination Model: IGRF 2005                         |
| Location Grid N/E Y/X: N 671137.100 ftUS, E 477989.500 ftUS                  | North Reference: Grid North                                   |
| Grid Convergence Angle: -0.11187393°                                         | Total Corr Mag North -> Grid North: +8.846°                   |
| Grid Scale Factor: 0.99991369                                                | Local Coordinates Referenced To: Well Head                    |

| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Tool Face<br>(deg) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|--------------------|
| ie-In    | 4409.40                | 5.20                 | 96.26            | 4408.08     | -12.51                   | -12.46     | -29.55     | 32.07           | 247.13                   | 0.00                | 78.78G             |
|          | 4452.00                | 5.30                 | 100.90           | 4450.50     | -13.09                   | -13.05     | -25.70     | 28.82           | 243.08                   | 1.02                | 147.71G            |
|          | 4484.00                | 5.20                 | 101.60           | 4482.37     | -13.65                   | -13.62     | -22.82     | 26.58           | 239.18                   | 0.37                | 3.76G              |
|          | 4515.00                | 6.60                 | 102.40           | 4513.20     | -14.31                   | -14.28     | -19.71     | 24.34           | 234.07                   | 4.52                | -4.02G             |
|          | 4546.00                | 10.50                | 100.90           | 4543.85     | -15.22                   | -15.20     | -15.19     | 21.49           | 224.99                   | 12.60               | -21.53G            |
|          | 4578.00                | 14.70                | 94.50            | 4575.08     | -16.08                   | -16.07     | -8.28      | 18.08           | 207.25                   | 13.81               | -29.80G            |
|          | 4609.00                | 19.30                | 86.80            | 4604.72     | -16.09                   | -16.09     | 0.76       | 16.11           | 177.28                   | 16.49               | -24.80G            |
|          | 4640.00                | 24.30                | 81.30            | 4633.49     | -14.82                   | -14.84     | 12.19      | 19.21           | 140.60                   | 17.41               | -22.29G            |
|          | 4672.00                | 29.40                | 77.10            | 4662.04     | -12.05                   | -12.09     | 26.37      | 29.01           | 114.63                   | 17.00               | -25.14G            |
|          | 4703.00                | 34.70                | 72.80            | 4688.31     | -7.71                    | -7.78      | 42.23      | 42.94           | 100.44                   | 18.60               | -35.09G            |
|          | 4734.00                | 38.30                | 68.80            | 4713.23     | -1.60                    | -1.69      | 59.62      | 59.65           | 91.63                    | 13.91               | -27.50G            |
|          | 4766.00                | 44.30                | 64.40            | 4737.26     | 6.86                     | 6.73       | 78.97      | 79.25           | 85.13                    | 20.82               | -55.50G            |
|          | 4799.00                | 47.80                | 57.90            | 4760.17     | 18.37                    | 18.22      | 99.73      | 101.38          | 79.65                    | 17.70               | -47.44G            |
|          | 4831.00                | 50.10                | 54.70            | 4781.19     | 31.80                    | 31.61      | 119.80     | 123.90          | 75.22                    | 10.42               | -33.09G            |
|          | 4862.00                | 52.30                | 52.90            | 4800.61     | 46.10                    | 45.88      | 139.28     | 146.65          | 71.77                    | 8.42                | -31.16G            |
|          | 4894.00                | 53.50                | 52.00            | 4819.92     | 61.69                    | 61.44      | 159.52     | 170.94          | 68.94                    | 4.37                | -141.25G           |
|          | 4925.00                | 53.40                | 51.90            | 4838.38     | 77.07                    | 76.79      | 179.13     | 194.89          | 66.80                    | 0.41                | -11.69G            |
|          | 4956.00                | 55.80                | 51.30            | 4856.33     | 92.80                    | 92.48      | 198.93     | 219.38          | 65.07                    | 7.90                | -17.51G            |
|          | 4998.00                | 60.80                | 49.50            | 4878.40     | 115.62                   | 115.26     | 226.44     | 254.09          | 63.02                    | 12.45               | -7.74G             |
|          | 5029.00                | 62.10                | 49.30            | 4893.21     | 133.37                   | 132.99     | 247.12     | 280.63          | 61.71                    | 4.23                | -6.40G             |
|          | 5061.00                | 63.70                | 49.10            | 4907.79     | 152.02                   | 151.60     | 268.68     | 308.50          | 60.57                    | 5.03                | 32.77G             |
|          | 5082.00                | 65.40                | 50.30            | 4916.81     | 164.31                   | 163.86     | 283.14     | 327.14          | 59.94                    | 9.60                | 1.84G              |
|          | 5113.00                | 68.30                | 50.40            | 4929.00     | 182.53                   | 182.05     | 305.09     | 355.27          | 59.18                    | 9.36                | 2.33G              |
|          | 5145.00                | 73.00                | 50.60            | 4939.60     | 201.76                   | 201.25     | 328.38     | 385.14          | 58.50                    | 14.70               | -3.01G             |
|          | 5176.00                | 78.60                | 50.30            | 4947.20     | 220.93                   | 220.38     | 351.54     | 414.91          | 57.92                    | 18.09               | -1.90G             |
|          | 5207.00                | 84.60                | 50.10            | 4951.73     | 240.59                   | 240.00     | 375.09     | 445.30          | 57.39                    | 19.37               | -28.33G            |
|          | 5239.00                | 88.50                | 48.00            | 4953.65     | 261.55                   | 260.93     | 399.21     | 476.92          | 56.83                    | 13.84               | -38.09G            |
|          | 5270.00                | 92.20                | 45.10            | 4953.46     | 282.90                   | 282.24     | 421.71     | 507.44          | 56.21                    | 15.16               | -48.06G            |
|          | 5313.00                | 96.30                | 40.50            | 4950.28     | 314.39                   | 313.69     | 450.83     | 549.23          | 55.17                    | 14.31               | -69.06G            |
|          | 5344.00                | 97.80                | 36.50            | 4946.47     | 338.49                   | 337.76     | 469.98     | 578.76          | 54.30                    | 13.69               | -82.53G            |
|          | 5376.00                | 98.30                | 32.50            | 4941.99     | 364.63                   | 363.86     | 487.93     | 608.66          | 53.29                    | 12.47               | -97.30G            |
|          | 5407.00                | 97.80                | 28.70            | 4937.64     | 391.07                   | 390.28     | 503.55     | 637.08          | 52.22                    | 12.24               | -120.92G           |
|          | 5439.00                | 95.70                | 25.20            | 4933.88     | 419.41                   | 418.60     | 517.94     | 665.95          | 51.05                    | 12.69               | -119.13G           |
|          | 5470.00                | 93.80                | 21.80            | 4931.31     | 447.76                   | 446.93     | 530.26     | 693.48          | 49.87                    | 12.53               | -129.57G           |
|          | 5502.00                | 91.40                | 18.90            | 4929.86     | 477.74                   | 476.89     | 541.37     | 721.47          | 48.62                    | 11.76               | -131.00G           |
|          | 5534.00                | 89.40                | 16.60            | 4929.64     | 508.23                   | 507.37     | 551.13     | 749.11          | 47.37                    | 9.52                | -104.06G           |
|          | 5565.00                | 88.60                | 13.40            | 4930.18     | 538.18                   | 537.30     | 559.15     | 775.46          | 46.14                    | 10.64               | -81.28G            |
|          | 5596.00                | 89.00                | 10.80            | 4930.83     | 568.49                   | 567.60     | 565.64     | 801.33          | 44.90                    | 8.48                | -80.93G            |

| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Tool Face<br>(deg) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|--------------------|
|          | 5628.00                | 89.40                | 8.30             | 4931.28     | 600.05                   | 599.15     | 570.95     | 827.63          | 43.62                    | 7.91                | -127.27G           |
|          | 5659.00                | 87.50                | 5.80             | 4932.12     | 630.81                   | 629.90     | 574.76     | 852.72          | 42.38                    | 10.13               | -111.86G           |
|          | 5691.00                | 86.90                | 4.30             | 4933.68     | 662.65                   | 661.74     | 577.57     | 878.34          | 41.11                    | 5.04                | -74.05G            |
|          | 5722.00                | 87.10                | 3.60             | 4935.30     | 693.53                   | 692.62     | 579.70     | 903.21          | 39.93                    | 2.35                | -81.89G            |
|          | 5753.00                | 87.30                | 2.20             | 4936.82     | 724.46                   | 723.55     | 581.27     | 928.11          | 38.78                    | 4.56                | -119.79G           |
|          | 5785.00                | 86.90                | 1.50             | 4938.43     | 756.40                   | 755.49     | 582.30     | 953.85          | 37.62                    | 2.52                | -153.47G           |
|          | 5816.00                | 86.70                | 1.40             | 4940.17     | 787.35                   | 786.43     | 583.08     | 979.01          | 36.55                    | 0.72                | -44.99G            |
|          | 5848.00                | 87.70                | 0.40             | 4941.73     | 819.30                   | 818.39     | 583.59     | 1005.15         | 35.49                    | 4.42                | -31.84G            |
|          | 5908.00                | 90.60                | 358.60           | 4942.62     | 879.28                   | 878.37     | 583.06     | 1054.27         | 33.58                    | 5.69                | -153.43G           |
|          | 5971.00                | 90.40                | 358.50           | 4942.07     | 942.26                   | 941.35     | 581.47     | 1106.45         | 31.70                    | 0.35                | -90.00G            |
|          | 6034.00                | 90.40                | 357.70           | 4941.63     | 1005.22                  | 1004.31    | 579.38     | 1159.45         | 29.98                    | 1.27                | -6.01G             |
|          | 6096.00                | 92.30                | 357.50           | 4940.17     | 1067.14                  | 1066.24    | 576.78     | 1212.25         | 28.41                    | 3.08                | -74.03G            |
|          | 6159.00                | 92.50                | 356.80           | 4937.53     | 1130.00                  | 1129.10    | 573.65     | 1266.47         | 26.93                    | 1.15                | -48.76G            |
|          | 6200.00                | 93.20                | 356.00           | 4935.49     | 1170.87                  | 1169.97    | 571.08     | 1301.91         | 26.02                    | 2.59                | 0.00G              |
|          | 6262.00                | 94.10                | 356.00           | 4931.54     | 1232.58                  | 1231.69    | 566.77     | 1355.84         | 24.71                    | 1.45                | -149.42G           |
|          | 6324.00                | 91.90                | 354.70           | 4928.30     | 1294.28                  | 1293.40    | 561.75     | 1410.12         | 23.48                    | 4.12                | -145.30G           |
|          | 6387.00                | 90.60                | 353.80           | 4926.93     | 1356.94                  | 1356.07    | 555.44     | 1465.41         | 22.27                    | 2.51                | -125.54G           |
|          | 6450.00                | 90.10                | 353.10           | 4926.54     | 1419.51                  | 1418.65    | 548.25     | 1520.91         | 21.13                    | 1.37                | -101.31G           |
|          | 6513.00                | 90.00                | 352.60           | 4926.49     | 1482.01                  | 1481.16    | 540.41     | 1576.67         | 20.04                    | 0.81                | -146.31G           |
|          | 6576.00                | 89.70                | 352.40           | 4926.65     | 1544.46                  | 1543.62    | 532.19     | 1632.79         | 19.02                    | 0.57                | -9.46G             |
|          | 6638.00                | 90.30                | 352.30           | 4926.65     | 1605.89                  | 1605.07    | 523.93     | 1688.42         | 18.08                    | 0.98                | -26.56G            |
|          | 6701.00                | 90.90                | 352.00           | 4925.99     | 1668.28                  | 1667.48    | 515.33     | 1745.29         | 17.17                    | 1.06                | -41.17G            |
|          | 6764.00                | 91.70                | 351.30           | 4924.56     | 1730.59                  | 1729.79    | 506.18     | 1802.33         | 16.31                    | 1.69                | -154.65G           |
|          | 6827.00                | 89.80                | 350.40           | 4923.74     | 1792.76                  | 1791.98    | 496.16     | 1859.40         | 15.48                    | 3.34                | -20.22G            |
|          | 6889.00                | 91.70                | 349.70           | 4922.93     | 1853.80                  | 1853.04    | 485.45     | 1915.57         | 14.68                    | 3.27                | 169.70G            |
|          | 6952.00                | 90.60                | 349.90           | 4921.66     | 1915.77                  | 1915.03    | 474.30     | 1972.89         | 13.91                    | 1.77                | 170.54G            |
|          | 7014.00                | 89.40                | 350.10           | 4921.66     | 1976.81                  | 1976.09    | 463.53     | 2029.73         | 13.20                    | 1.96                | -145.32G           |
|          | 7077.00                | 88.10                | 349.20           | 4923.04     | 2038.75                  | 2038.05    | 452.22     | 2087.61         | 12.51                    | 2.51                | 29.74G             |
|          | 7148.00                | 88.80                | 349.60           | 4924.96     | 2108.50                  | 2107.81    | 439.16     | 2153.07         | 11.77                    | 1.14                | -125.55G           |
|          | 7211.00                | 88.30                | 348.90           | 4926.55     | 2170.35                  | 2169.68    | 427.42     | 2211.38         | 11.14                    | 1.37                | 63.44G             |
|          | 7273.00                | 88.70                | 349.70           | 4928.17     | 2231.23                  | 2230.58    | 415.91     | 2269.03         | 10.56                    | 1.44                | 45.00G             |
|          | 7336.00                | 89.00                | 350.00           | 4929.44     | 2293.22                  | 2292.58    | 404.81     | 2328.05         | 10.01                    | 0.67                | 16.70G             |
|          | 7399.00                | 90.00                | 350.30           | 4929.99     | 2355.27                  | 2354.65    | 394.03     | 2387.39         | 9.50                     | 1.66                | 9.46G              |
|          | 7462.00                | 91.80                | 350.60           | 4929.00     | 2417.37                  | 2416.77    | 383.58     | 2447.02         | 9.02                     | 2.90                | -75.95G            |
|          | 7524.00                | 91.90                | 350.20           | 4927.00     | 2478.45                  | 2477.87    | 373.25     | 2505.82         | 8.57                     | 0.66                | -73.27G            |
|          | 7587.00                | 92.20                | 349.20           | 4924.74     | 2540.38                  | 2539.81    | 361.99     | 2565.48         | 8.11                     | 1.66                | 153.44G            |
|          | 7649.00                | 91.60                | 349.50           | 4922.69     | 2601.26                  | 2600.71    | 350.54     | 2624.23         | 7.68                     | 1.08                | -161.57G           |
|          | 7717.00                | 91.30                | 349.40           | 4920.97     | 2668.07                  | 2667.54    | 338.09     | 2688.88         | 7.22                     | 0.47                | 24.99G             |
|          | 7778.00                | 92.80                | 350.10           | 4918.78     | 2728.04                  | 2727.53    | 327.24     | 2747.09         | 6.84                     | 2.71                | 85.56G             |
|          | 7839.00                | 92.90                | 351.40           | 4915.75     | 2788.15                  | 2787.66    | 317.45     | 2805.67         | 6.50                     | 2.13                | 111.81G            |
|          | 7901.00                | 92.70                | 351.90           | 4912.72     | 2849.41                  | 2848.93    | 308.46     | 2865.58         | 6.18                     | 0.87                | 149.75G            |
|          | 7962.00                | 91.50                | 352.60           | 4910.49     | 2909.80                  | 2909.33    | 300.24     | 2924.78         | 5.89                     | 2.28                | 160.02G            |
|          | 8024.00                | 90.40                | 353.00           | 4909.46     | 2971.29                  | 2970.83    | 292.47     | 2985.19         | 5.62                     | 1.89                | 175.24G            |
|          | 8085.00                | 89.20                | 353.10           | 4909.67     | 3031.82                  | 3031.38    | 285.09     | 3044.76         | 5.37                     | 1.97                | 174.81G            |
|          | 8147.00                | 88.10                | 353.20           | 4911.13     | 3093.35                  | 3092.92    | 277.70     | 3105.36         | 5.13                     | 1.78                | -18.43G            |
|          | 8209.00                | 89.00                | 352.90           | 4912.70     | 3154.86                  | 3154.44    | 270.20     | 3165.99         | 4.90                     | 1.53                | 153.45G            |
|          | 8270.00                | 88.20                | 353.30           | 4914.19     | 3215.39                  | 3214.98    | 262.87     | 3225.71         | 4.67                     | 1.47                | -9.46G             |
|          | 8332.00                | 89.40                | 353.10           | 4915.49     | 3276.93                  | 3276.53    | 255.53     | 3286.48         | 4.46                     | 1.96                | 14.04G             |
|          | 8394.00                | 90.60                | 353.40           | 4915.49     | 3338.49                  | 3338.10    | 248.24     | 3347.32         | 4.25                     | 2.00                | 18.43G             |
|          | 8456.00                | 90.90                | 353.50           | 4914.68     | 3400.07                  | 3399.69    | 241.17     | 3408.23         | 4.06                     | 0.51                | -167.00G           |
|          | 8517.00                | 89.60                | 353.20           | 4914.41     | 3460.64                  | 3460.28    | 234.11     | 3468.19         | 3.87                     | 2.19                | 14.93G             |
|          | 8579.00                | 91.10                | 353.60           | 4914.03     | 3522.22                  | 3521.86    | 226.98     | 3529.17         | 3.69                     | 2.50                | -44.99G            |
|          | 8640.00                | 91.20                | 353.50           | 4912.81     | 3582.81                  | 3582.47    | 220.13     | 3589.22         | 3.52                     | 0.23                | -164.74G           |
|          | 8702.00                | 90.10                | 353.20           | 4912.11     | 3644.37                  | 3644.04    | 212.95     | 3650.26         | 3.34                     | 1.84                | 0.00G              |

| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Tool Face<br>(deg) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|--------------------|
| roj. TD  | 8764.00                | 90.60                | 353.20           | 4911.73     | 3705.92                  | 3705.61    | 205.61     | 3711.31         | 3.18                     | 0.81                | -90.00G            |
|          | 8825.00                | 90.60                | 353.10           | 4911.09     | 3766.47                  | 3766.17    | 198.34     | 3771.39         | 3.01                     | 0.16                | -172.87G           |
|          | 8887.00                | 89.80                | 353.00           | 4910.87     | 3828.01                  | 3827.71    | 190.83     | 3832.47         | 2.85                     | 1.30                | 0.00G              |
|          | 8948.00                | 90.20                | 353.00           | 4910.87     | 3888.54                  | 3888.26    | 183.40     | 3892.58         | 2.70                     | 0.66                | 180.00G            |
|          | 8967.00                | 90.10                | 353.00           | 4910.82     | 3907.39                  | 3907.11    | 181.08     | 3911.31         | 2.65                     | 0.53                | 180.00G            |
|          | 9020.00                | 89.80                | 353.00           | 4910.87     | 3959.99                  | 3959.72    | 174.62     | 3963.57         | 2.53                     | 0.57                | 0.00G              |