

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Revised June 10, 2003

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                             |                                                       |                                         |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|
| <sup>1</sup> Operator Name and Address<br>Chesapeake Operating, Inc.<br>2010 Rankin Hiway Midland, TX 79701 |                                                       | <sup>2</sup> OGRID Number<br>147179     |
|                                                                                                             |                                                       | <sup>3</sup> API Number<br>30-025-35817 |
| <sup>4</sup> Property Code<br><del>25206</del> 35626                                                        | <sup>5</sup> Property Name<br>Trinity Burrus Abo Unit | <sup>6</sup> Well No<br>41              |

| <sup>7</sup> Surface Location |         |          |       |         |               |                  |               |                |        |
|-------------------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no.                 | Section | Township | Range | Lot Idn | Feet from the | North-South line | Feet from the | East-West line | County |
| 1                             | 22      | 12S      | 38E   |         | 2310          | South            | 1210          | East           | Lea    |

| <sup>8</sup> Proposed Bottom Hole Location If Different From Surface |         |          |       |         |                               |                  |               |                |        |
|----------------------------------------------------------------------|---------|----------|-------|---------|-------------------------------|------------------|---------------|----------------|--------|
| UL or lot no.                                                        | Section | Township | Range | Lot Idn | Feet from the                 | North-South line | Feet from the | East-West line | County |
| P                                                                    | 22      | 12S      | 38E   |         | 1209                          | South            | 784           | East           | Lea    |
| <sup>9</sup> Proposed Pool 1<br>Trinity: Wolfcamp                    |         |          |       |         | <sup>10</sup> Proposed Pool 2 |                  |               |                |        |

|                                   |                                       |                                     |                                    |                                                |
|-----------------------------------|---------------------------------------|-------------------------------------|------------------------------------|------------------------------------------------|
| <sup>11</sup> Work Type Code<br>P | <sup>12</sup> Well Type Code<br>O     | <sup>13</sup> Cable/Retarv<br>R     | <sup>14</sup> Lease Type Code<br>S | <sup>15</sup> Ground Level Elevation<br>3800GR |
| <sup>16</sup> Multiple<br>N       | <sup>17</sup> Proposed Depth<br>10000 | <sup>18</sup> Formation<br>Wolfcamp | <sup>19</sup> Contractor           | <sup>20</sup> Spud Date<br>09/14/2007          |

| <sup>21</sup> Proposed Casing and Cement Program |             |                    |               |                 |               |
|--------------------------------------------------|-------------|--------------------|---------------|-----------------|---------------|
| Hole Size                                        | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
| 25                                               | 20          |                    | 40            |                 | Surface       |
| 17 1/2                                           | 13 3/8      | 48#                | 400           | 350             | Surface       |
| 11                                               | 8 5/8       | 32#                | 4500          | 1450            | Surface       |
| 7 7/8                                            | 5 1/2       | 17#                | 10000         | 850sx           | Surface       |

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Please, consider our request to plug back this well and then drill horizontal, per the attached plan. Also, attached, please find the C-102 showing the surface location, penetration point and bottom hole location, Directional Drill plan, BOP and C-144. A verbal approval, today, would be appreciated as we have a rig on standby.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Horizontal

|                                                                                                                              |                      |                                                              |  |
|------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------|--|
| <sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. |                      | OIL CONSERVATION DIVISION                                    |  |
| Signature: Brenda Coffman                                                                                                    |                      | Approved by: Chris Williams                                  |  |
| Printed name: Brenda Coffman                                                                                                 |                      | Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER                |  |
| Title: Sr. Regulatory Comp. Specialist                                                                                       |                      | Approval Date: SEP 17 2007 Expiration Date:                  |  |
| E-mail Address: bcoffman@chkenegy.com                                                                                        |                      |                                                              |  |
| Date: 09/14/2007                                                                                                             | Phone: (432)687-2992 | Conditions of Approval:<br>Attached <input type="checkbox"/> |  |

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 19, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |                                          |                               |
|----------------------------|------------------------------------------|-------------------------------|
| API Number<br>30-025-35817 | Pool Code<br>59890                       | Pool Name<br>Trinity/Wolfcamp |
| Property Code<br>35626     | Property Name<br>Trinity Burrus Abo Unit | Well Number<br>11             |
| OWNER<br>147179            | Owner Name<br>Chesapeake Operating, Inc. | Elevation                     |

| 13 Surface Location |         |          |       |         |               |                  |               |                |        |
|---------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| Well Section        | Section | Township | Range | Footage | Feet from sec | North/South Line | Feet from sec | East/West Line | County |
| 1                   | 22      | 12S      | 38E   |         | 2310          | South            | 1210          | East           | Lea    |

| 14 Bottom Hole Location If Different From Surface |         |          |       |         |               |                  |               |                |        |
|---------------------------------------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| Well Section                                      | Section | Township | Range | Footage | Feet from sec | North/South Line | Feet from sec | East/West Line | County |
|                                                   | 22      | 12S      | 38E   |         | 1209          | South            | 784           | East           | Lea    |

|                 |           |
|-----------------|-----------|
| Dedicated Acres | Order No. |
| 80              |           |

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.

|  |                                                                                                                                                                                                                                                                                                                                          |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>17 OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.<br><br>Signature<br>Brenda Coffman<br>Print Name<br>Sr. Regulatory Compliance Spec<br>bcoffman@chkenegy.com<br>E-mail Address<br>09-13-2007<br>Date                              |
|  | <b>18 SURVEYOR CERTIFICATION</b><br>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.<br>Date of Survey<br>Signature and Seal of Professional Surveyor<br>Certificate Number |

**CHESAPEAKE OPERATING, INC.**

**TRINITY BURRUS ABO UNIT #4H  
APPLICATION TO PLUG BACK AND DRILL HORIZONTAL**

**Plug Back:**

Work done previously to plug back:

8/2/07 Set CIBP @ 7250' w/35' cmt cap.  
8/29/07 Found free point. Chemical cut casing @ 5150'  
8/30/07 POOH w/ casing.  
8/31/2007 RIH to 5214' Spot 450 sx plug

C-103 for above is forthcoming.

**New Casing Procedure:**

Mud will be conventional water base mud, of weight 8.5 - 9.5 ppg, with viscosity range of 30 - 60 sec/qt. Let me know if any additional specifications are required.

For the production casing (5-1/2" 17.0# N-80 8rd LT&C, from 0' - TD), we will plan a DV tool (stage cementing tool) at ~8000', with estimated cement as follows:

Stage 1

8000' - 10,000': 350 sx Class H with 0.5% FLC, 0.4% dispersant, 3.0 pps salt and 0.25 pps defoamer; 13.2 ppg, 1.63 yield; assumes 60% OH washout/safety factor.

Stage 2

7600' - 8000': 100 sx Class H (neat premium); 15.6 ppg, 1.18 yield; assumes 60% OH washout/safety factor.

4000' - 7600': 400 sx Interfill H with 0.125 pps LCA (poly flake); 11.9 ppg, 2.45 yield; assumes 60% OH washout/safety factor.

All actual cement volumes will be based on open hole caliper log annular volume plus 20% OH excess

# BLOWOUT PREVENTOR SCHEMATIC

## CHESAPEAKE OPERATING INC

**WELL** : Trinity Burrus Abo Unit 4H

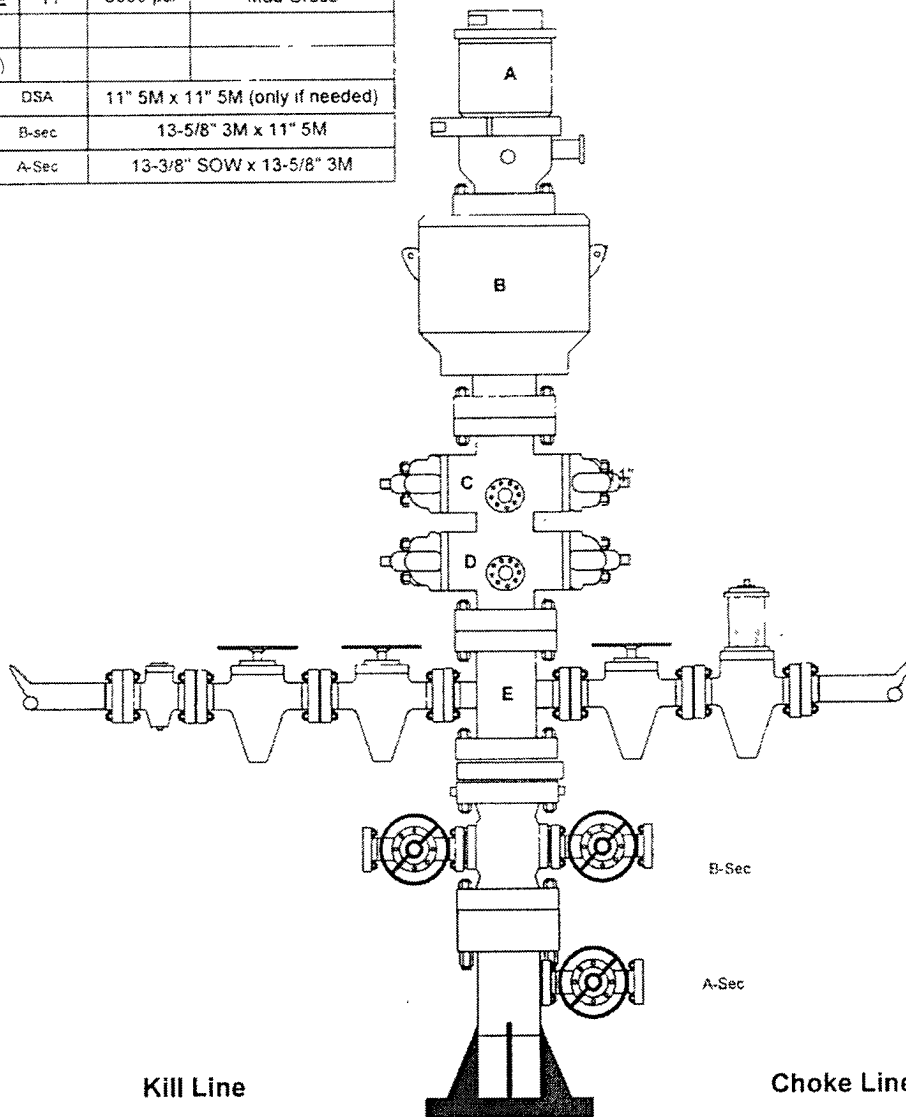
**RIG** : Patterson 142

**COUNTY** : Lea

**STATE:** New Mexico

**OPERATION:** Drill out below 8-5/8" Casing (7-7/8" hole size)

|       | SIZE                             | PRESSURE | DESCRIPTION |
|-------|----------------------------------|----------|-------------|
| A     | 11"                              | 500 psi  | Rot Head    |
| B     | 11"                              | 5000 psi | Annular     |
| C     | 11"                              | 5000 psi | Pipe Rams   |
| D     | 11"                              | 5000 psi | Blind Rams  |
| E     | 11"                              | 5000 psi | Mud Cross   |
|       |                                  |          |             |
| )     |                                  |          |             |
| DSA   | 11" 5M x 11" 5M (only if needed) |          |             |
| B-Sec | 13-5/8" 3M x 11" 5M              |          |             |
| A-Sec | 13-3/8" SOW x 13-5/8" 3M         |          |             |



| SIZE | PRESSURE | DESCRIPTION |
|------|----------|-------------|
| 2"   | 5000 psi | Check Valve |
| 2"   | 5000 psi | Gate Valve  |
| 2"   | 5000 psi | Gate Valve  |
|      |          |             |
|      |          |             |

| SIZE | PRESSURE | DESCRIPTION |
|------|----------|-------------|
| 4"   | 5000 psi | Gate Valve  |
| 4"   | 5000 psi | HCR Valve   |
|      |          |             |
|      |          |             |
|      |          |             |

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42  
42

430756 6 12 0 522

1999

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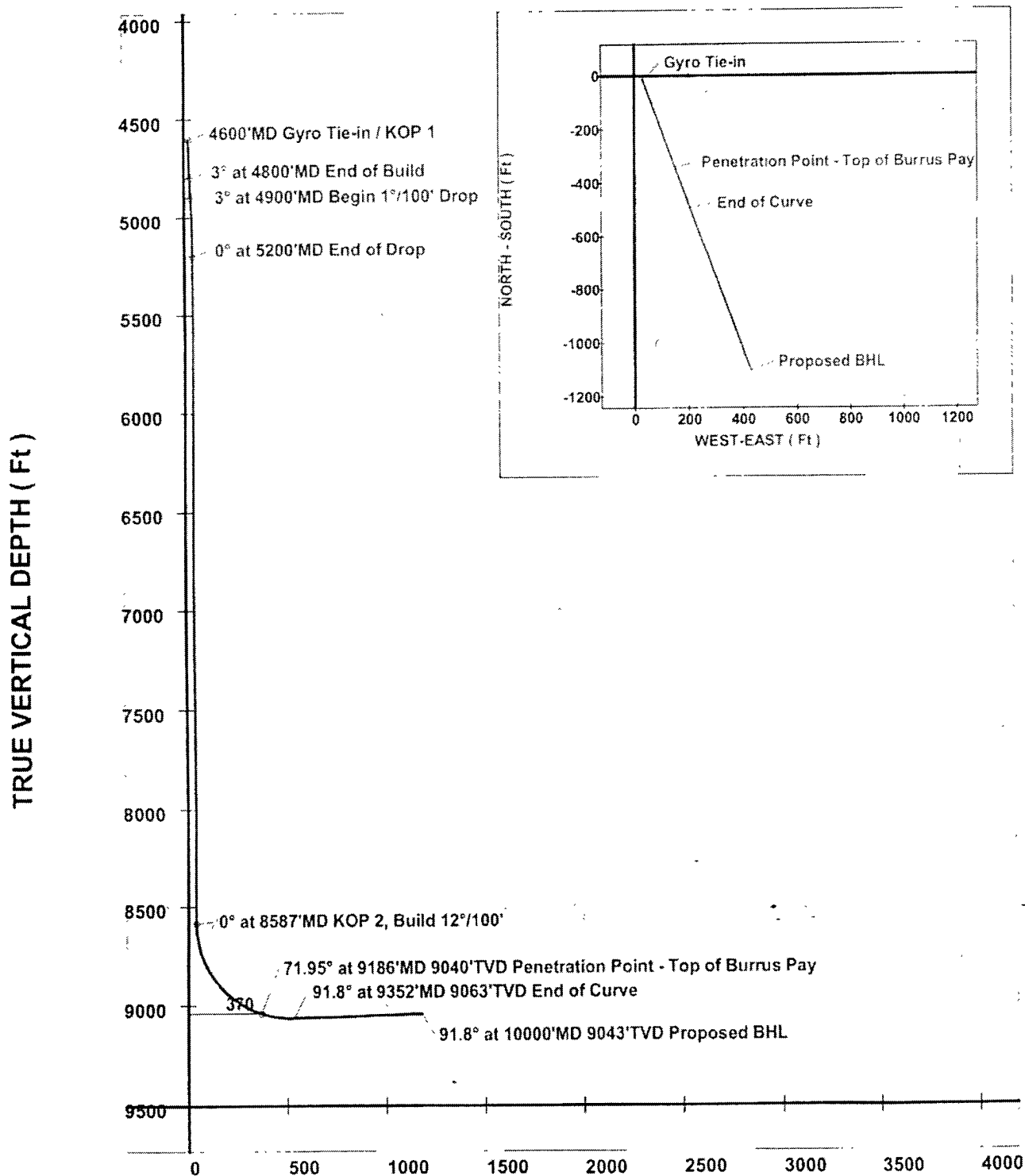
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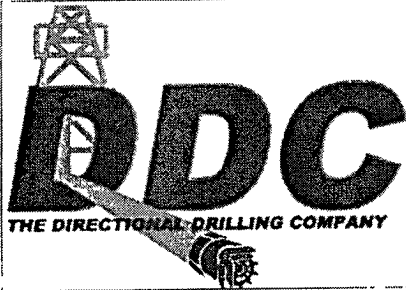



[illegible]

Company: Chesapeake Operating, Inc.  
 Lease/Well: Trinity Burrus Abo Unit #4H  
 Location: Lea County  
 State/Country: New Mexico



VERTICAL SECTION ( Ft ) @ 158.84°



Job Number: 0  
 Company: Chesapeake Operating, Inc.  
 Lease/Well: Trinity Burrus Abo Unit #4H  
 Location: Lea County  
 Rig Name: 0  
 RKB: 3818'  
 G.L. or M.S.L.: 3800'

State/Country: New Mexico  
 Declination: 0  
 Grid: 0  
 File name: C:\DOCUME~1\RIKMA~1\MYDOCU~1\PROPOS~1\CHI  
 Date/Time: 12-Sep-07 / 18:12  
 Curve Name: WELL PLAN

# The Directional Drilling Company

## WINSERVE PROPOSAL REPORT Minimum Curvature Method Vertical Section Plane 158.84 Vertical Section Referenced to Wellhead Rectangular Coordinates Referenced to Wellhead

| Measured<br>Depth<br>FT    | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | Vertical<br>Section<br>FT | N-S<br>FT | E-W<br>FT | CLOSURE<br>Distance<br>FT | Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|----------------------------|----------------------|---------------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|------------------|-------------------------------|
| <b>Gyro Tie-in / KOP 1</b> |                      |                           |                           |                           |           |           |                           |                  |                               |
| 4600.00                    | 1.31                 | 83.64                     | 4599.62                   | 21.96                     | -12.39    | 28.83     | 31.38                     | 113.26           | .00                           |
| 4700.00                    | 1.50                 | 160.00                    | 4699.60                   | 23.56                     | -13.49    | 30.41     | 33.27                     | 113.92           | 1.74                          |
| <b>End of Build</b>        |                      |                           |                           |                           |           |           |                           |                  |                               |
| 4800.00                    | 3.00                 | 160.00                    | 4799.52                   | 27.49                     | -17.18    | 31.76     | 36.11                     | 118.42           | 1.50                          |
| <b>Begin 1°/100' Drop</b>  |                      |                           |                           |                           |           |           |                           |                  |                               |
| 4900.00                    | 3.00                 | 160.00                    | 4899.38                   | 32.72                     | -22.10    | 33.55     | 40.17                     | 123.38           | .00                           |
| 5000.00                    | 2.00                 | 160.00                    | 4999.28                   | 37.08                     | -26.20    | 35.04     | 43.75                     | 126.79           | 1.00                          |
| 5100.00                    | 1.00                 | 160.00                    | 5099.25                   | 39.70                     | -28.66    | 35.93     | 45.96                     | 128.57           | 1.00                          |
| <b>End of Drop</b>         |                      |                           |                           |                           |           |           |                           |                  |                               |
| 5200.00                    | .00                  | .00                       | 5199.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | 1.00                          |
| 5300.00                    | .00                  | .00                       | 5299.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 5400.00                    | .00                  | .00                       | 5399.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 5500.00                    | .00                  | .00                       | 5499.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 5600.00                    | .00                  | .00                       | 5599.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 5700.00                    | .00                  | .00                       | 5699.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 5800.00                    | .00                  | .00                       | 5799.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 5900.00                    | .00                  | .00                       | 5899.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 6000.00                    | .00                  | .00                       | 5999.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 6100.00                    | .00                  | .00                       | 6099.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 6200.00                    | .00                  | .00                       | 6199.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 6300.00                    | .00                  | .00                       | 6299.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 6400.00                    | .00                  | .00                       | 6399.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |
| 6500.00                    | .00                  | .00                       | 6499.24                   | 40.57                     | -29.48    | 36.23     | 46.71                     | 129.13           | .00                           |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | Vertical<br>Section<br>FT | N-S<br>FT | E-W<br>FT | CLOSURE        |                  | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|---------------------------|-----------|-----------|----------------|------------------|-------------------------------|
|                         |                      |                           |                           |                           |           |           | Distance<br>FT | Direction<br>Deg |                               |
| 6600.00                 | .00                  | .00                       | 6599.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 6700.00                 | .00                  | .00                       | 6699.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 6800.00                 | .00                  | .00                       | 6799.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 6900.00                 | .00                  | .00                       | 6899.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7000.00                 | .00                  | .00                       | 6999.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7100.00                 | .00                  | .00                       | 7099.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7200.00                 | .00                  | .00                       | 7199.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7300.00                 | .00                  | .00                       | 7299.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7400.00                 | .00                  | .00                       | 7399.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7500.00                 | .00                  | .00                       | 7499.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7600.00                 | .00                  | .00                       | 7599.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7700.00                 | .00                  | .00                       | 7699.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7800.00                 | .00                  | .00                       | 7799.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 7900.00                 | .00                  | .00                       | 7899.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 8000.00                 | .00                  | .00                       | 7999.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 8100.00                 | .00                  | .00                       | 8099.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 8200.00                 | .00                  | .00                       | 8199.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 8300.00                 | .00                  | .00                       | 8299.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 8400.00                 | .00                  | .00                       | 8399.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |
| 8500.00                 | .00                  | .00                       | 8499.24                   | 40.57                     | -29.48    | 36.23     | 46.71          | 129.13           | .00                           |

| KOP 2, Build 12°/100'                 |       |        |         |        |         |        |        |        |       |
|---------------------------------------|-------|--------|---------|--------|---------|--------|--------|--------|-------|
| 8586.72                               | .00   | .00    | 8585.96 | 40.57  | -29.48  | 36.23  | 46.71  | 129.13 | .00   |
| 8636.72                               | 6.00  | 160.00 | 8635.87 | 43.19  | -31.94  | 37.13  | 48.97  | 130.70 | 12.00 |
| 8686.72                               | 12.00 | 160.00 | 8685.23 | 51.00  | -39.28  | 39.80  | 55.92  | 134.62 | 12.00 |
| 8736.72                               | 18.00 | 160.00 | 8733.51 | 63.93  | -51.44  | 44.22  | 67.83  | 139.31 | 12.00 |
| 8786.72                               | 24.00 | 160.00 | 8780.17 | 81.84  | -68.26  | 50.35  | 84.82  | 143.59 | 12.00 |
| 8836.72                               | 30.00 | 160.00 | 8824.70 | 104.52 | -89.58  | 58.11  | 106.78 | 147.03 | 12.00 |
| 8886.72                               | 35.99 | 160.00 | 8866.62 | 131.73 | -115.16 | 67.42  | 133.44 | 149.65 | 12.00 |
| 8936.72                               | 41.99 | 160.00 | 8905.46 | 163.17 | -144.71 | 78.17  | 164.47 | 151.62 | 12.00 |
| 8986.72                               | 47.99 | 160.00 | 8940.80 | 198.50 | -177.91 | 90.26  | 199.50 | 153.10 | 12.00 |
| 9036.72                               | 53.99 | 160.00 | 8972.26 | 237.32 | -214.40 | 103.54 | 238.10 | 154.22 | 12.00 |
| 9086.72                               | 59.99 | 160.00 | 8999.48 | 279.23 | -253.79 | 117.87 | 279.83 | 155.09 | 12.00 |
| 9136.72                               | 65.99 | 160.00 | 9022.18 | 323.74 | -295.63 | 133.10 | 324.21 | 155.76 | 12.00 |
| Penetration Point - Top of Burrus Pay |       |        |         |        |         |        |        |        |       |
| 9186.40                               | 71.95 | 160.00 | 9040.00 | 370.09 | -339.19 | 148.96 | 370.45 | 156.29 | 12.00 |
| 9186.72                               | 71.99 | 160.00 | 9040.10 | 370.39 | -339.47 | 149.06 | 370.75 | 156.29 | 12.00 |
| 9236.72                               | 77.99 | 160.00 | 9053.04 | 418.65 | -384.83 | 165.57 | 418.94 | 156.72 | 12.00 |
| 9286.72                               | 83.99 | 160.00 | 9060.87 | 468.00 | -431.21 | 182.45 | 468.22 | 157.07 | 12.00 |
| 9336.72                               | 89.99 | 160.00 | 9063.50 | 517.90 | -478.11 | 199.52 | 518.07 | 157.35 | 12.00 |
| End of Curve                          |       |        |         |        |         |        |        |        |       |
| 9351.83                               | 91.80 | 160.00 | 9063.26 | 533.00 | -492.31 | 204.69 | 533.17 | 157.42 | 12.00 |
| 9451.83                               | 91.80 | 160.00 | 9060.12 | 632.93 | -586.23 | 238.87 | 633.03 | 157.83 | .00   |
| 9551.83                               | 91.80 | 160.00 | 9056.98 | 732.86 | -680.16 | 273.06 | 732.92 | 158.13 | .00   |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | Vertical<br>Section<br>FT | N-S<br>FT | E-W<br>FT | CLOSURE        |                  | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|---------------------------|-----------|-----------|----------------|------------------|-------------------------------|
|                         |                      |                           |                           |                           |           |           | Distance<br>FT | Direction<br>Deg |                               |
| 9651.83                 | 91.80                | 160.00                    | 9053.84                   | 832.79                    | -774.08   | 307.24    | 832.82         | 158.35           | .00                           |
| 9751.83                 | 91.80                | 160.00                    | 9050.70                   | 932.72                    | -868.00   | 341.43    | 932.74         | 158.53           | .00                           |
| 9851.83                 | 91.80                | 160.00                    | 9047.56                   | 1032.65                   | -961.92   | 375.61    | 1032.66        | 158.67           | .00                           |
| 9951.83                 | 91.80                | 160.00                    | 9044.42                   | 1132.59                   | -1055.85  | 409.80    | 1132.59        | 158.79           | .00                           |
| <b>Proposed BHL</b>     |                      |                           |                           |                           |           |           |                |                  |                               |
| 10000.00                | 91.80                | 160.00                    | 9042.90                   | 1180.72                   | -1101.09  | 426.27    | 1180.72        | 158.84           | .00                           |



# Current Wellbore Schematic

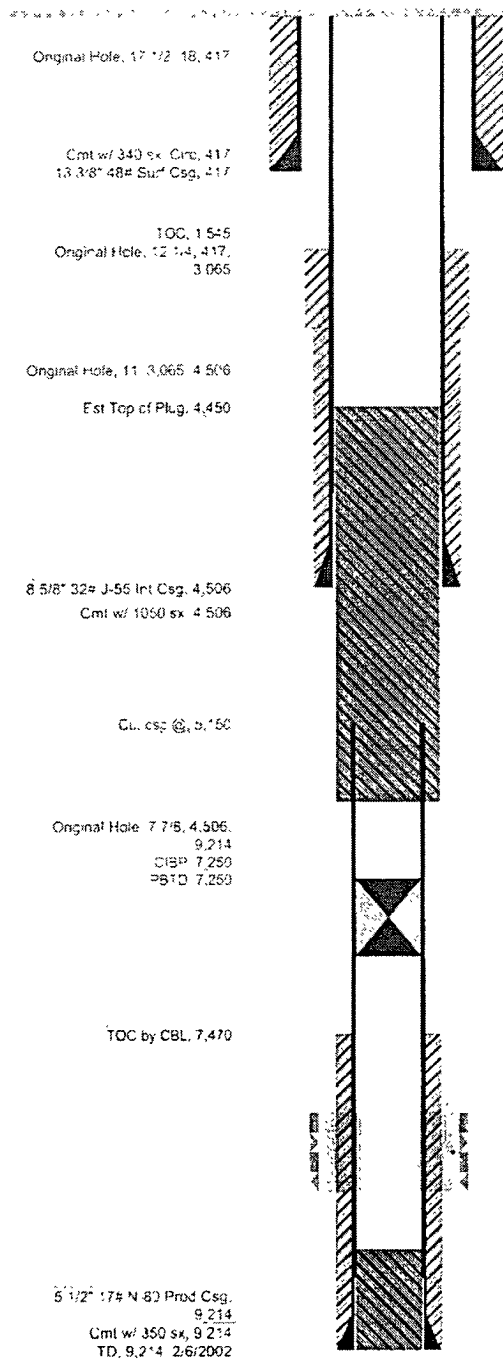
TBAU 4-H

Field: TRINITY  
County: LEA  
State: NEW MEXICO  
Elevation: GL 3,800.00 KB 3,818.00  
KB Height: 18.00

Location: 2,310.0 ft FSL & 1,210.0 ft FEL - Section 22 - 012S - 038E

Spud Date: 2/6/2002  
Initial Compl. Date:  
API #: 3002535817  
CHK Property #: 890679  
1st Prod Date:  
PBD: Original Hole - 7250.0  
TD, 9,214.0

Well Config - Original Hole, 9/12/2007 10:59:14 AM  
Schematic - Actual



## Well History

| Date       | Event                                                                                                                                                                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3/14/2002  | ACDZ hole w/200 bbls KCl wtr w/1 GPT NE940. Spot 750 gal 15% NEFe HCl w/double inhibitors fr 8,200'-9,065'.                                                                                                                                              |
| 3/15/2002  | PERF Wolfcamp 9,050'-9,078' (112 holes). Set pkr @ 8,970'. Swb. rec. 60 BLW. Rec: 1 BPH last 3 hr w/30% OC.                                                                                                                                              |
| 3/17/2002  | BD Wolfcamp perf 9,050'-78' w/3000 gal 15% NEFe HCl + 125 BS. Flush w/2290 gal 7% KCl wtr w/1 GPT NE940. No pks or ball action. Swt. rev. 100 BLW & 21 BNP. Go gas shw. 60% OC last swb run.                                                             |
| 10/11/2005 | Milling. Unable to drop down past 7,902'. Set 15 pts on csg. would not drop thru. Swivel would torque up circ cin.                                                                                                                                       |
| 10/17/2005 | RIH w/recessed shoe, BHA, DCs & tbg, break circ w/beam air. Tag @ 7,294', wipe csg out to 7,302', mill csg 7,302' - 7,321' circ cin. Continue to mill to 7,342' mill out circ clean POOH w/tbg. DCs & BHA. change shoe, RIH w. BHA, DCs and 210 jts tbg. |
| 10/18/2005 | Tag @ 7,328' rotate to 7,334', unable to go any deeper. Circ cin, POOH w/tbg. DCs & BHA, shoe worn out, had 8' piece of split tbg in wash pipe. RIH w/OS, bumper sub jars & 2 1/2" DCs, intensifier & 2' 7/8" tbg.                                       |
| 10/19/2005 | Work overshot. POOH, rec chunk of cmt.                                                                                                                                                                                                                   |
| 8/2/2007   | Set CIBP @ 7250 w/ 35' cmt cap.                                                                                                                                                                                                                          |
| 8/29/2007  | Found free point. Chemical out csg @ 5150'.                                                                                                                                                                                                              |
| 8/30/2007  | POOH w/ Csg.                                                                                                                                                                                                                                             |
| 8/31/2007  | RIH to 5214'. Spot 450 sx plug.                                                                                                                                                                                                                          |

9,050 9,078 3/15/2002