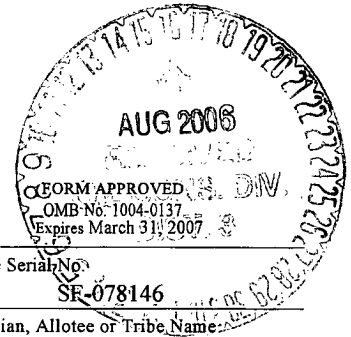


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER



|   |   |  |
|---|---|--|
| 1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER  |   | 5. Lease Serial No.<br>SF-078146   |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe, Name  |
| 2. Name of Operator<br>ConocoPhillips Company   |   | 7. If Unit or CA Agreement, Name and No.   |
| 3a. Address<br>4001 Penbrook, Odessa, TX 79762  |   | 8. Lease Name and Well No.<br>NEWBERRY A #1M                                     |
| 3b. Phone No. (include area code)<br>432-368-1230   |   | 9. API Well No.<br>30-045-33386  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements, *)<br>At surface NESE 1940 FSL - 660 FEL<br>At proposed prod. zone  |   | 10. Field and Pool, or Exploratory<br>BLANCO MESA VERDE / BASIN DAKOTA           |
| 14. Distance in miles and direction from nearest town or post office*   |   | 11. Sec., T. R. M. or Blk. and Survey or Area<br>SECTION 8, T31N, R12W NMPM<br>I |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)   | 16. No. of acres in lease<br>2240 ACRES | 12. County or Parish<br>SAN JUAN   |
| 17. Spacing Unit dedicated to this well<br>MV - E/2 - 320.0 ACRES<br>DK - E/2 - 320.0 ACRES   | 13. State<br>NM                         |  |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.<br>7175'   | 19. Proposed Depth                      |  |
| 20. BLM/BIA Bond No. on file  |   |  |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>6024' GL   | 22. Approximate date work will start*   | 23. Estimated duration   |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM~

|                                     |                                     |                    |
|-------------------------------------|-------------------------------------|--------------------|
| 25. Signature<br><i>Peggy James</i> | Name (Printed/Typed)<br>Peggy James | Date<br>10/19/2005 |
|-------------------------------------|-------------------------------------|--------------------|

Title  
Sr. Associate

|  |  |                 |
|--|--|-----------------|
| Approved by (Signature)<br><i>Wayne Townsend</i> | Name (Printed/Typed)<br>Wayne Townsend | Date<br>8/19/06 |
| Title<br>Acting AFM                              | Office<br>FFO                          |                 |

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

ConocoPhillips Company proposes to drill a vertical wellbore to the Blanco Mesaverde / Basin Dakota formations. This well will be drilled and equipped in accordance with the attachments submitted herewith. This application is for APD / ROW.

This well will be downhole commingled pursuant to the terms and conditions outlined in Order R-11363.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

NMOC

District I  
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994  
Instructions on back

District II  
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

PO Box 2088, Santa Fe, NM 87504-2088

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

RECEIVED

☐ AMENDED REPORT

070 FARMINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                    |   |  |
|------------------------------------|---|--|
| *API Number<br><b>30-045-33386</b> | *Pool Code<br><b>72319 / 71599</b>              | *Pool Name<br><b>BLANCO MESAVERDE / BASIN DAKOTA</b> |
| *Property Code<br><b>31840</b>     | *Property Name<br><b>NEWBERRY A</b>             | *Well Number<br><b>1M</b>                            |
| *OGRID No.<br><b>217817</b>        | *Operator Name<br><b>CONOCOPHILLIPS COMPANY</b> | *Elevation<br><b>6024'</b>                           |

<sup>10</sup> Surface Location

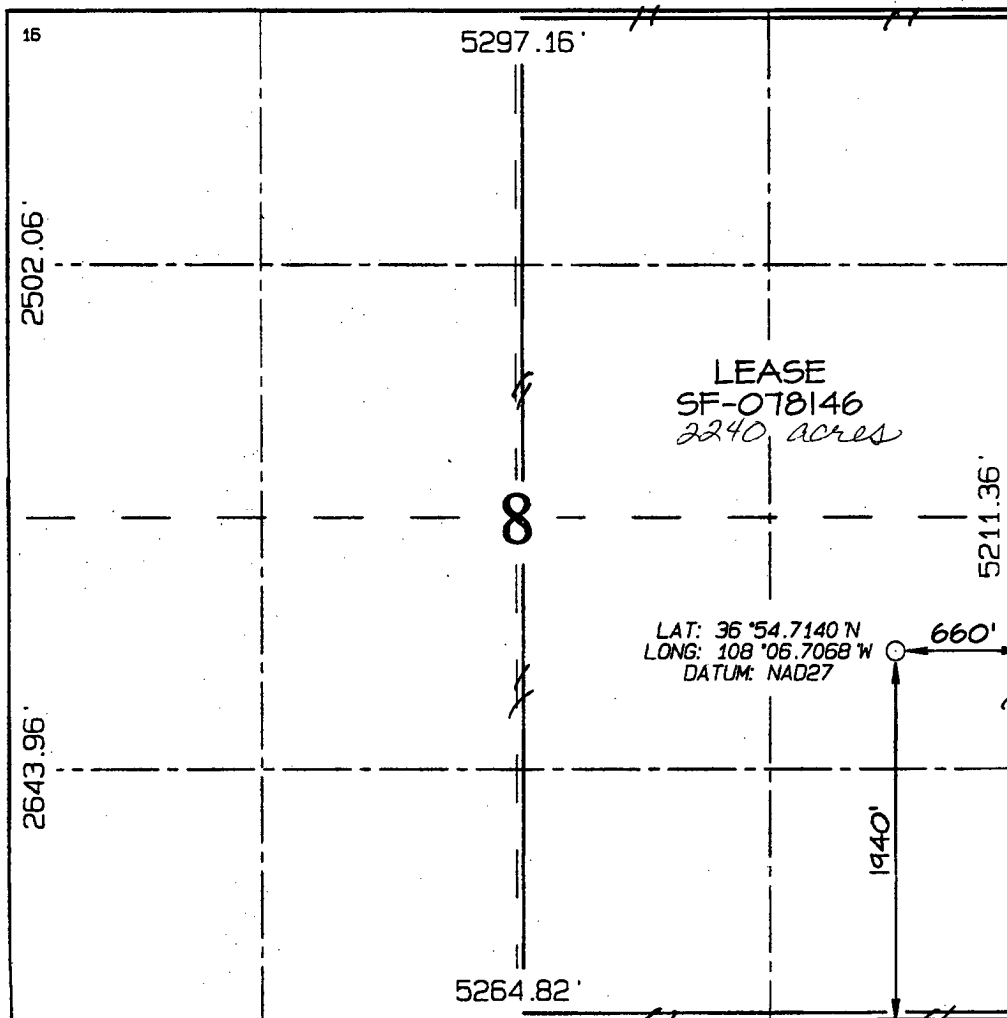
| UL or lot no. | Section  | Township   | Range      | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County          |
|---------------|----------|------------|------------|---------|---------------|------------------|---------------|----------------|-----------------|
| <b>I</b>      | <b>8</b> | <b>31N</b> | <b>12W</b> |         | <b>1940</b>   | <b>SOUTH</b>     | <b>660</b>    | <b>EAST</b>    | <b>SAN JUAN</b> |

<sup>11</sup> 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|   |                               |                                  |                         |
|---|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>320.0 Acres - E/2 (MV)</b><br><b>320.0 Acres - E/2 (DK)</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|---|-------------------------------|----------------------------------|-------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



<sup>17</sup> OPERATOR CERTIFICATION

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

*Virgil E. Chavez*  
Signature  
Virgil E. Chavez

Printed Name  
Projects & Operations Lead

Title  
*October 6, 2005*  
Date

<sup>18</sup> 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.

Survey Date: AUGUST 12, 2005

Signature and Seal of Professional Surveyor



*Jason C. Edwards*  
Certificate Number 15269

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

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

|  |  |
|--|--|
| WELL API NO.<br><b>30-045-33386</b>  |  |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |  |
| 6. State Oil & Gas Lease No.   |  |
| 7. Lease Name or Unit Agreement Name<br>NEWBERRY A #1M                                   |  |
| 8. Well Number   |  |
| 9. OGRID Number<br>217817  |  |
| 10. Pool name or Wildcat<br>BLANCO MESAVERDE / BASIN DAKOTA                              |  |

|  |  |
|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)<br>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other |  |
| 2. Name of Operator<br>ConocoPhillips Company  |  |
| 3. Address of Operator<br>4001 Penbrook, Odessa, TX 79762  |  |
| 4. Well Location<br>Unit Letter <u>I</u> <u>1940</u> feet from the <u>SOUTH</u> line and <u>660</u> feet from the <u>EAST</u> line<br>Section <u>8</u> Township <u>31N</u> Range <u>12W</u> NMPM <u>SAN JUAN</u> County  |  |
| I 1. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>6024' GL  |  |

|   |  |
|---|--|
| Pit or Below-grade Tank Application <input checked="" type="checkbox"/> Closure <input type="checkbox"/>  |  |
| Pit type <u>DRILL</u> Depth to Groundwater <u>0-50'</u> Distance from nearest fresh water well <u>&gt;1000'</u> Distance from nearest surface water <u>200'-1000'</u> |  |
| Liner Thickness: <u>      </u> mil  | Below-Grade Tank: Volume <u>      </u> bbls; Construction Material <u>      </u> |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

|  |   |  |  |
|--|---|--|--|
| <b>NOTICE OF INTENTION TO:</b>                 |   | <b>SUBSEQUENT REPORT OF:</b>                     |  |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPL <input type="checkbox"/>   | CASING/CEMENT JOB <input type="checkbox"/>       |  |
| OTHER: <input type="checkbox"/>                |   | OTHER: <input type="checkbox"/>                  |  |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The pit will be constructed and closed in accordance with Rule 50 and as per COPC June 2005 General Pit Plan on file with the NMOCD. See the attached diagram that details the location of the pit in reference to the proposed wellhead. The drill pit will be lined. The drill pit will be closed after the well has been completed

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Peggy James TITLE Sr. Associate DATE 10/18/2005

Type or print name E-mail address: Telephone No.

**For State Use Only**

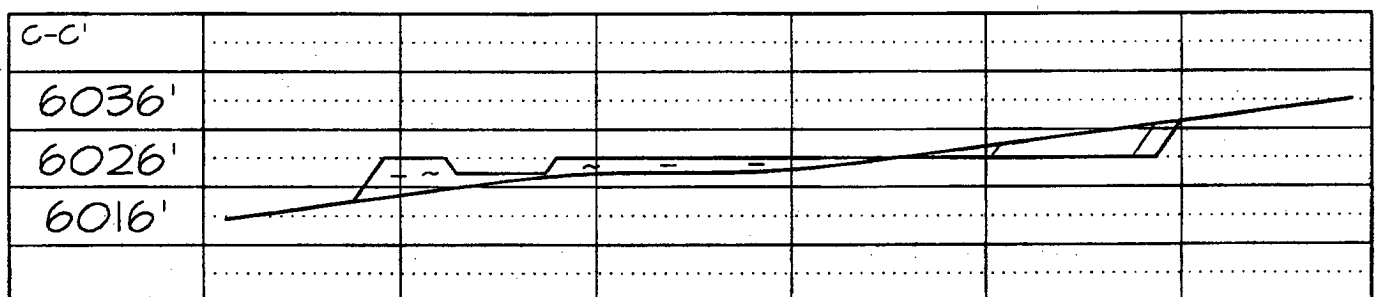
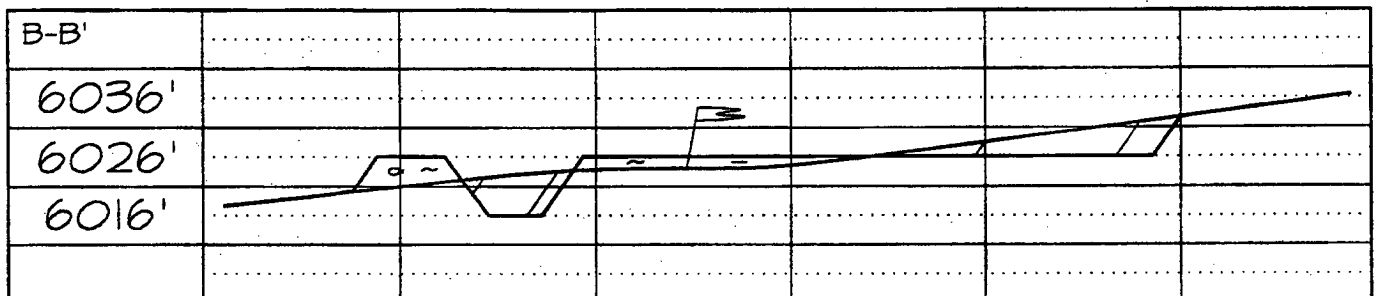
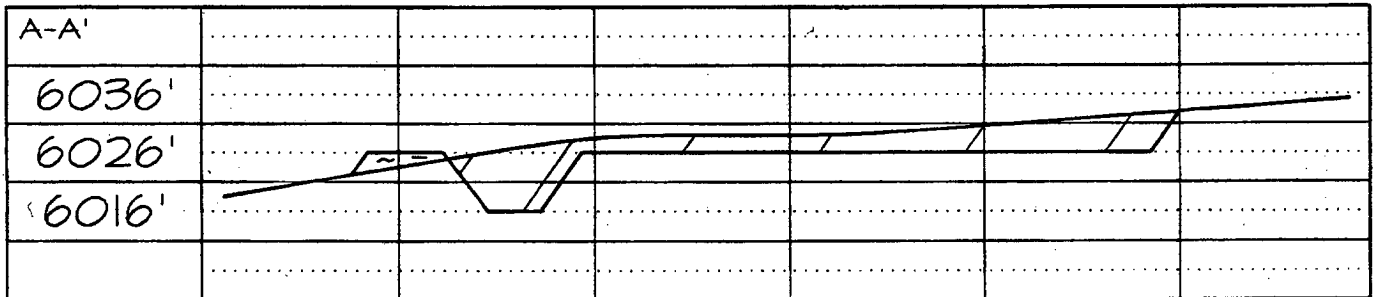
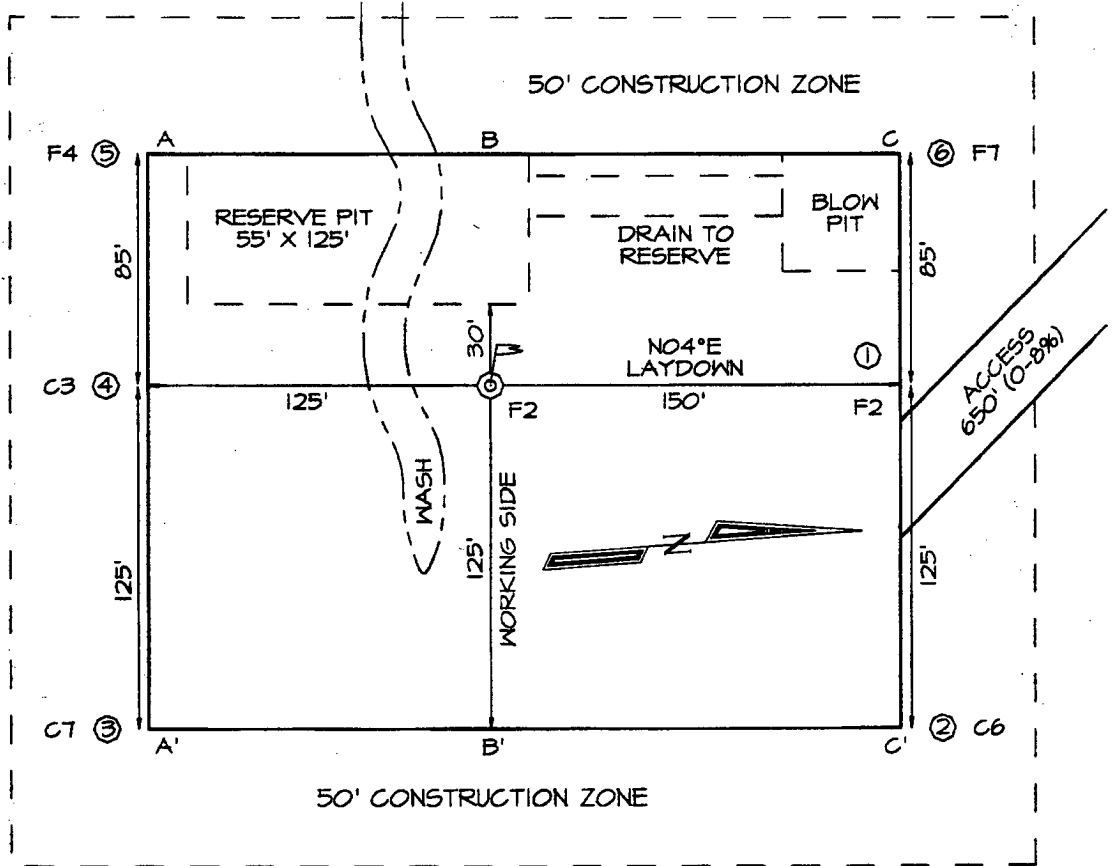
APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. III DATE AUG 16 2006  
Conditions of Approval (if any):

**CONOCOPHILLIPS COMPANY NEWBERRY A #1M**  
**1940' FSL & 660' FEL, SECTION 8, T31N, R12W, NMPM**  
**SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6024'**

**LATITUDE: 36.91190° N**  
**LONGITUDE: 108.11178° W**  
 DATUM: NAD1927

PLAT NOTE:

\*SURFACE OWNER\*  
 Montoya Sheep and  
 Cattle Company



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEWBERRY A 1M

|                                 |                      |                                     |                        |         |
|---------------------------------|----------------------|-------------------------------------|------------------------|---------|
| Lease:                          | AFE #: WAN.CNV.5142  |                                     |                        | AFE \$: |
| Field Name: WEST                | Rig: 320-2419        | State: NM                           | County: SAN JUAN       | API #:  |
| Geoscientist: Glaser, Terry J   | Phone: (832)486-2332 | Prod. Engineer: Piotrowicz, Greg M. | Phone: +1 832-486-3486 |         |
| Res. Engineer: Skinner, Steve E | Phone: 832 486-2651  | Proj. Field Lead: Fransen, Eric E.  | Phone:                 |         |

## Primary Objective (Zones):

| Zone | Zone Name                       |
|------|---------------------------------|
| FRR  | BASIN DAKOTA (PRORATED GAS)     |
| RON  | BLANCO MESAVERDE (PRORATED GAS) |

## Location: Surface Straight Hole

|                    |                     |                 |      |               |            |
|--------------------|---------------------|-----------------|------|---------------|------------|
| Latitude: 36.91    | Longitude: -108.11  | X:              | Y:   | Section: 08   | Range: 12W |
| Footage X: 660 FEL | Footage Y: 1940 FSL | Elevation: 6024 | (FT) | Township: 31N |            |

Tolerance:

|                           |                    |                  |                    |
|---------------------------|--------------------|------------------|--------------------|
| Location Type: Year Round | Start Date (Est.): | Completion Date: | Date In Operation: |
|---------------------------|--------------------|------------------|--------------------|

Formation Data: Assume KB = 6037 Units = FT

| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No)       | BHP (PSIG) | BHT | Remarks  |
|--------------------------------|-------------------|---------|--------------------------|------------|-----|--|
| Surface Casing                 | 213               | 5824    | <input type="checkbox"/> |            |     | Severe lost circulation is possible. 12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.  |
| CJAM                           | 1287              | 4750    | <input type="checkbox"/> |            |     | Possible water flows.  |
| KRLD                           | 1437              | 4600    | <input type="checkbox"/> |            |     |  |
| FRLD                           | 1785              | 4252    | <input type="checkbox"/> |            |     | Possible gas   |
| PCCF                           | 2417              | 3620    | <input type="checkbox"/> |            |     |  |
| LEWS                           | 2617              | 3420    | <input type="checkbox"/> |            |     |  |
| Intermediate Casing            | 2717              | 3320    | <input type="checkbox"/> |            |     | 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.   |
| CHRA                           | 3562              | 2475    | <input type="checkbox"/> |            |     |  |
| CLFH                           | 4075              | 1962    | <input type="checkbox"/> |            |     | Gas; possibly wet  |
| MENF                           | 4210              | 1827    | <input type="checkbox"/> |            |     | Gas  |
| PTLK                           | 4749              | 1288    | <input type="checkbox"/> |            |     | Gas  |
| MNCS                           | 5004              | 1033    | <input type="checkbox"/> |            |     |  |
| CRHN                           | 6825              | -788    | <input type="checkbox"/> |            |     | Gas possible, highly fractured   |
| CRRS                           | 6901              | -864    | <input type="checkbox"/> |            |     |  |
| TWLS                           | 6961              | -924    | <input type="checkbox"/> |            |     | Gas  |
| PAGU                           | 7027              | -990    | <input type="checkbox"/> |            |     | Gas  |
| CBBO                           | 7102              | -1065   | <input type="checkbox"/> |            |     | Gas  |
| Total Depth                    | 7175              | -1138   | <input type="checkbox"/> |            |     | 6-1/4" Hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface. |

## Reference Wells:

| Reference Type | Well Name | Comments |
|----------------|-----------|----------|
|----------------|-----------|----------|

# PROJECT PROPOSAL - New Drill / Sidetrack

NEWBERRY A 1M

## Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT

Additional Information:

| Log Type | Stage | From (Ft) | To (Ft) | Tool Type/Name | Remarks |
|----------|-------|-----------|---------|----------------|---------|
|----------|-------|-----------|---------|----------------|---------|

Comments: Location/Tops/Logging - Cliff House is probably wet!

General/Work Description - Funds in the amount of \$1,095,682 gross (\$1,095,682 COPC net) are requested to drill and equip the referenced well as an 7,175' MV-80/DK-160 acre infill well, to be located 1,940' FSL & 660' FEL of Section 8-T31N-R12W, San Juan Co., NM. Production will be DHC'd. COPC has 100/69.5% in the MV and 100/84.5% in the DK. The pre-drill charge code is WAN.RFE.PD06.79. The subject well is scheduled to spud on November 9, 2005.

It is estimated that this well will get 0.914 Bcf EUR from the MV and 0.667 Bcf EUR in the Dakota. The Mesaverde flowstream is based on a 60/40% new reserves/acceleration split, with an IP of 324 mcf/d. The Dakota is based on a 75/25% new reserves/acceleration split, with an IP of 244 mcf/d. The 10/13% economic indicators generated by these flowstreams are: PI 1.53/1.29, NPV \$730M/\$431M, AARR of 18.8.

**Newberry A #1M**  
**Halliburton Cementing Program**

**SURFACE CASING :**

|                         |       |         |                            |
|-------------------------|-------|---------|----------------------------|
| Drill Bit Diameter      | 12.25 | "       |                            |
| Casing Outside Diameter | 9.625 | "       | Casing Inside Diam. 9.001" |
| Casing Weight           | 32.3  | ppf     |                            |
| Casing Grade            | H-40  |         |                            |
| Shoe Depth              | 235   | '       |                            |
| Cement Yield            | 1.21  | cuft/sk |                            |
| Cement Density          | 15.6  | lb/gal  |                            |
| Excess Cement           | 125   | %       |                            |
| Cement Required         | 145   | sx      |                            |

SHOE 235 ', 9.625 ", 32.3 ppf, H-40 STC

**INTERMEDIATE CASING :**

|                         |       |         |                            |
|-------------------------|-------|---------|----------------------------|
| Drill Bit Diameter      | 8.75  | "       |                            |
| Casing Outside Diameter | 7     | "       | Casing Inside Diam. 6.456" |
| Casing Weight           | 20    | ppf     |                            |
| Casing Grade            | J-55  |         |                            |
| Shoe Depth              | 2717  | '       |                            |
| Lead Cement Yield       | 2.88  | cuft/sk |                            |
| Lead Cement Density     | 11.5  | lb/gal  |                            |
| Lead Cement Excess      | 150   | %       |                            |
| Lead Cement Required    | 267   | sx      |                            |
| Tail Cement Length      | 543.4 | '       |                            |
| Tail Cement Yield       | 1.33  | cuft/sk |                            |
| Tail Cement Density     | 13.5  | lb/gal  |                            |
| Tail Cement Excess      | 150   | %       |                            |
| Tail Cement Required    | 161   | sx      |                            |

SHOE 2717 ', 7 ", 20 ppf, J-55 STC

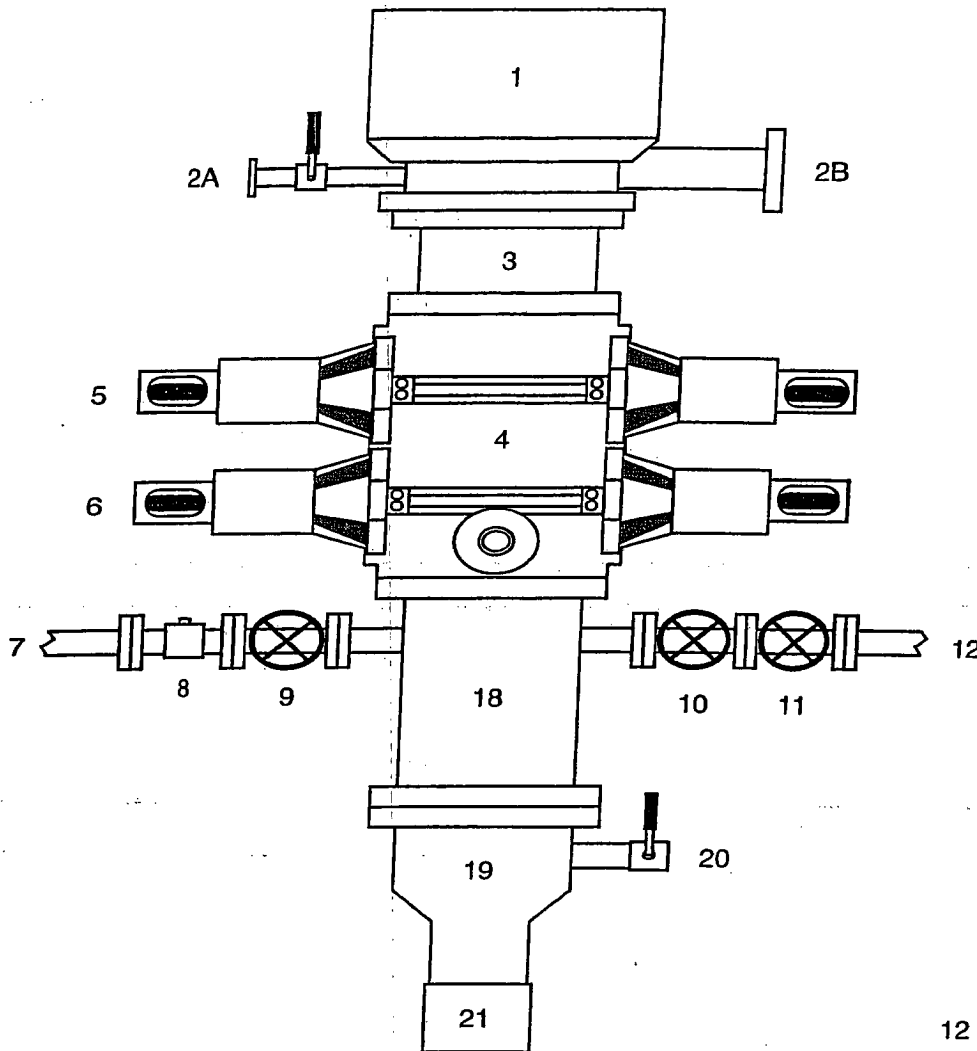
**PRODUCTION CASING :**

|                         |      |         |                                 |
|-------------------------|------|---------|---------------------------------|
| Drill Bit Diameter      | 6.25 | "       |                                 |
| Casing Outside Diameter | 4.5  | "       | Casing Inside Diam. 4.000"      |
| Casing Weight           | 11.6 | ppf     |                                 |
| Casing Grade            | N-80 |         |                                 |
| Top of Cement           | 2517 | '       | 200' inside intermediate casing |
| Shoe Depth              | 7175 | '       |                                 |
| Cement Yield            | 1.45 | cuft/sk |                                 |
| Cement Density          | 13.1 | lb/gal  |                                 |
| Cement Excess           | 50   | %       |                                 |
| Cement Required         | 490  | sx      |                                 |

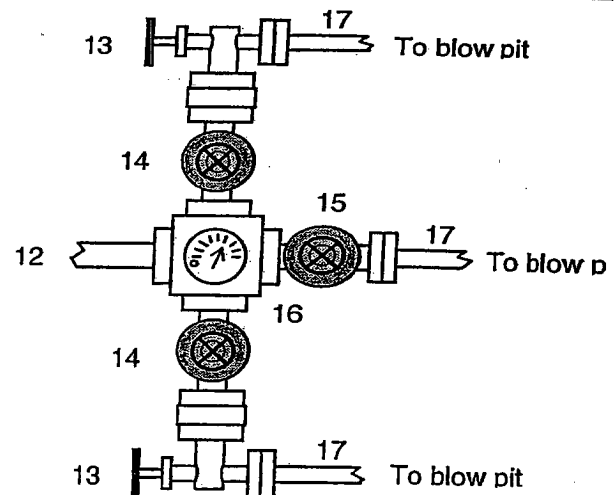
SHOE 7175 ', 4.5 ", 11.6 ppf, N-80 LTC

# BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing



1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Flowline
3. Spacer Spool
4. Double Ram BOP (11", 3000 psi)
5. Pipe Rams
6. Blind Rams
7. Kill Line
8. Kill Line Check Valve
9. Kill Line Valve
10. Inner Choke Line Valve (3")
11. Outer Choke Line Valve (3")
12. Choke Line (3")
13. Variable Choke
14. Choke Line Valve (2")
15. Panic Line Valve (3")
16. Choke Manifold Pressure Gauge
17. Choke Line (2")
18. Mud Cross Spacer Spool
19. Casing Head "A" Section
20. Casing Head "A" Section 2" Valve
21. 9 5/8" Casing Collar



A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 1000 psi (high pressure test) for 10 minutes. Then the test plug will be removed, and the 9-5/8" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1000 psi for 30 minutes (this value is one 44% of the minimum internal yield pressure of the 9-5/8" casing). (Note: per regulatory requirements we will wait on cement at least 8 hrs after placement before testing the 9-5/8" surface casing). Then an 8-3/4" hole will be drilled to intermediate casing point and 7" intermediate casing will be run and cemented.

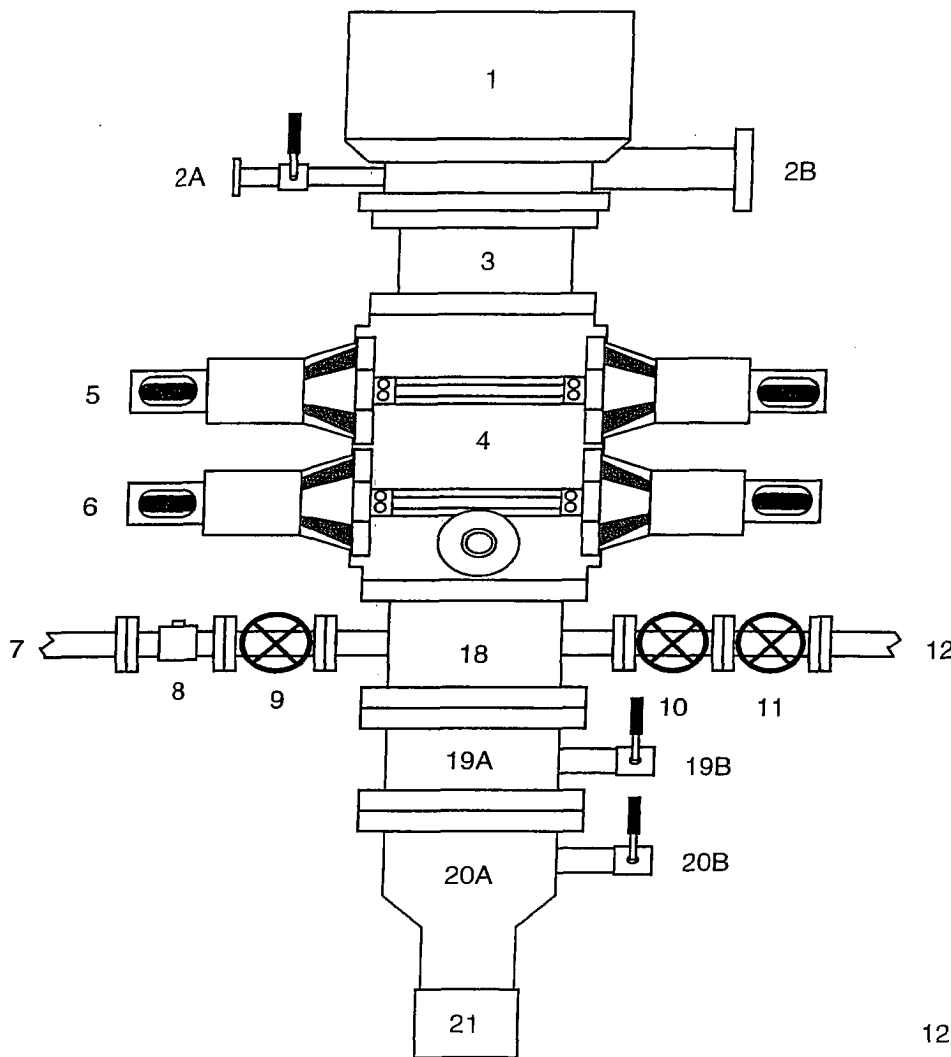
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

1. Upper Kelly cock Valve with handle

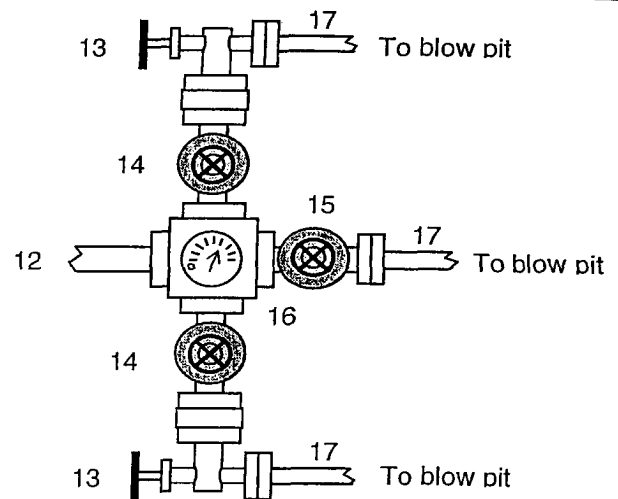


# BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to TD and Setting 4.5 inch Casing



1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Bleeie Line (for Air Drilling)
3. Spacer Spool
4. Double Ram BOP (11", 3000 psi)
5. Pipe Rams
6. Blind Rams
7. Kill Line
8. Kill Line Check Valve
9. Kill Line Valve
10. Inner Choke Line Valve (3")
11. Outer Choke Line Valve (3")
12. Choke Line (3")
13. Variable Choke
14. Choke Line Valve (2")
15. Panic Line Valve (3")
16. Choke Manifold Pressure Gauge
17. Choke Line (2")
18. Mud Cross Spacer Spool
- 19A Csg Spool "B" Section (11", 3M)
- 19B "B" Section Csg Valve (2", 3M)
- 20A Csg Head "A" Section (11", 3M)
- 20B "A" Section Csg Valve (2", 3M)
21. 9 5/8" Casing Collar



After the 7" intermediate casing has been run and cemented, the Casing Spool ("B" Section) will be installed on the wellhead ("A" Section) and the BOP will be installed on the Casing Spool. A test plug will be set in the wellhead and the pipe rams, blind rams, and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 3000 psi (high pressure test) for 10 minutes. Then the test plug will be removed and the 7" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 10 minutes and to 1800 psi for 30 minutes - this test pressure is 48% of the minimum internal yield strength of 3740 psi for the 7", 20#, J-55, STC casing. Then we will air drill the 6-1/4" hole to TD and run and cement the 4-1/2" casing.

In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

1. Upper Kelly cock Valve with handle
2. Stab-in TIW valve for all drillstrings in use

Property : NEWBERRY A Well #: 1M

**Surface Location:**

Unit: I Section: 8 Township: 31N Range: 12W

County: SAN JUAN State: New Mexico

Footage: 1940 from the SOUTH line, 660 from the EAST line.

**CATHODIC PROTECTION**

ConocoPhillips (COP) proposes to drill a cathodic protection deep well groundbed for the subject well. COP will drill a hole vertically at the surface large enough to accommodate 20 feet of 8 inch diameter PVC pipe for surface casing to assist in further drilling and loading. Casing may be cemented in place for stability if needed. COP will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on the existing well pad and a Farmington based company will be doing the drilling for ConocoPhillips.