

RCVD JUN 4 '08  
OIL CONS. DIV.  
DIST. 3

RECEIVED

Form 3160-3  
(February 2005)

MAR 11 2008

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Bureau of Land Management  
Albuquerque Field Office

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>NMNM 014916                                     |
| 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 checked="" type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe Name<br>N/A                            |
| 2. Name of Operator<br>XTO Energy, Inc.  |   | 7. If Unit or CA Agreement, Name and No<br>N/A                         |
| 3a. Address 382 CR 3100<br>AZTEC, NM 87410   | 3b. Phone No. (include area code)<br>505-333-3100   | 8. Lease Name and Well No.<br>Valencia Canyon #47A                     |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)<br>At surface 820' FSL x 1940' FEL<br>At proposed prod. zone same   |   | 9. API Well No.<br>30-045-30-039-30499                                 |
| 10. Field and Pool, or Exploratory<br>Blanco Mesaverde   |   | 11. Sec., T. R. M. or Blk. and Survey or Area<br>(O) Sec 22, T28N, R4W |
| 12. Distance in miles and direction from nearest town or post office*<br>Approximately 41.1 miles East of Bloomfield, NM post office   |   | 12. County or Parish<br>Rio Arriba                                     |
| 13. State<br>NM  |   | 13. State<br>NM  |
| 15. Distance from proposed*<br>location to nearest<br>property or lease line, ft.<br>(Also to nearest drg. unit line, if any) 820'   | 16. No. of acres in lease<br>640                    | 17. Spacing Unit dedicated to this well<br>S/2 320                     |
| 18. Distance from proposed location*<br>to nearest well, drilling, completed,<br>applied for, on this lease, ft. 1300'   | 19. Proposed Depth<br>6750'                         | 20. BLM/BIA Bond No. on file<br>UTB-000138                             |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>7336' Ground Elevation  | 22. Approximate date work will start*<br>07/14/2008 | 23. Estimated duration<br>2 weeks                                      |

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 <i>Kyla Vaughan</i> | Name (Printed/Typed)<br>Kyla Vaughan | Date<br>03/07/2008 |
|-----------------------------------|--------------------------------------|--------------------|

Title  
Regulatory Compliance

|  |                                     |                |
|--|-------------------------------------|----------------|
| Approved by (Signature) <i>[Signature]</i> | Name (Printed/Typed)<br>[Signature] | Date<br>6/3/08 |
|--|-------------------------------------|----------------|

|              |               |
|--------------|---------------|
| Title<br>AFM | Office<br>F&O |
|--------------|---------------|

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)

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

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".

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

APD/ROW

JUN 16 2008

NMOCD

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87504-2088

MAR 11 2008

Bureau of Land Management

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |   |  |
|---|---|--|
| <sup>1</sup> API Number<br>30-039-30499 | <sup>2</sup> Pool Code<br>72319               | <sup>3</sup> Pool Name<br>BLANCO MESAVERDE |
| <sup>4</sup> Property Code<br>3S797     | <sup>5</sup> Property Name<br>VALENCIA CANYON | <sup>6</sup> Well Number<br>22SE 47A       |
| <sup>7</sup> GRID No.<br>5380           | <sup>8</sup> Operator Name<br>XTO ENERGY INC. | <sup>9</sup> Elevation<br>7336'            |

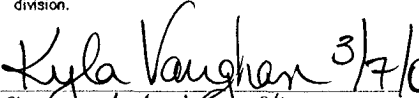
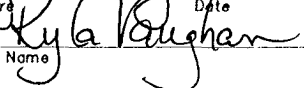
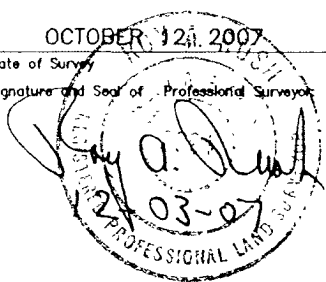
<sup>10</sup> Surface Location

|               |         |          |       |         |               |                  |               |                |            |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
| 0             | 22      | 28-N     | 4-W   |         | 820           | SOUTH            | 1940          | EAST           | RIO ARRIBA |

<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>S 2 320 |         | <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

|   |   |
|---|---|
| <div style="display: flex; justify-content: space-between;"> <span>16</span> <span>22</span> </div> <div style="text-align: center; margin-top: 100px;"> LAT: 36 64233' N. (NAD 83)<br/> LONG: 107.23660' W. (NAD 83)<br/><br/> LAT: 36°38'32.4" N. (NAD 27)<br/> LONG: 107°14'09.6" W. (NAD 27) </div> <div style="margin-top: 20px;"> LOCATION IS STAKED RELATIVE TO EXISTING<br/> WELLS AND DRY HOLE ON RECORD WITH<br/> N.M. OIL &amp; GAS CONSERVATION COMMISSION.<br/> SECTION AND QUARTER CORNERS ARE NON-<br/> EXISTANT IN THE AREA. DEPENDENT RESURVEY<br/> OF THE TOWNSHIP IS REQUIRED TO OBTAIN<br/> EXACT DIMENSIONS FROM THE SECTION LINES. </div> | <div style="display: flex; justify-content: space-between;"> <span>17</span> <span>OPERATOR CERTIFICATION</span> </div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <div style="margin-top: 20px;"> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <br/> Signature </div> <div style="text-align: center;"> 3/7/08<br/> Date </div> </div> <div style="margin-top: 10px;"> <div style="text-align: center;"> <br/> Printed Name </div> </div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <span>18</span> <span>SURVEYOR CERTIFICATION</span> </div> <p>I hereby certify that the well location shown on this plot 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</p> <div style="margin-top: 20px;"> <div style="text-align: center;"> OCTOBER 12th 2007<br/> Date of Survey </div> <div style="text-align: center; margin-top: 10px;"> Signature and Seal of Professional Surveyor<br/>  </div> </div> <div style="text-align: center; margin-top: 20px;"> 8894<br/> Certificate Number </div> |
|---|---|

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
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><u>30-039-30499</u>  |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br><u>FEDERAL LEASE</u>                                     |
| 7. Lease Name or Unit Agreement Name:<br><u>VALENCIA CANYON</u>                          |
| 8. Well Number<br><u>#47A</u>  |
| 9. OGRID Number<br><u>5380</u>   |
| 10. Pool name or Wildcat<br><u>BLANCO MESAVERDE</u>                                      |

SUNDRY NOTICES AND REPORTS ON WELLS  
(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.)

|   |
|---|
| 1. Type of Well:<br>Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other   |
| 2. Name of Operator<br><u>XTO Energy Inc.</u>   |
| 3. Address of Operator<br><u>382 CR 3100 Aztec, NM 87410</u>  |
| 4. Well Location<br>Unit Letter <u>O</u> : <u>820</u> feet from the <u>SOUTH</u> line and <u>1940</u> feet from the <u>EAST</u> line<br>Section <u>22</u> Township <u>28N</u> Range <u>4W</u> NMPM County <u>RIO ARriba</u>   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br><u>7336' GROUND ELEVATION</u>   |
| Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/><br>Pit type <u>DRILL</u> Depth to Groundwater <u>&gt; 100</u> Distance from nearest fresh water well <u>&gt;1000</u> Distance from nearest surface water <u>&gt;1000</u><br>Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>8000</u> bbls; Construction Material |

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: PIT ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

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.

XTO Energy plans to construct a lined pit on location for drilling.

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 Kyla Vaughan TITLE Regulatory Compliance DATE 03/07/2008

Type or print name Kyla Vaughan

E-mail address: kyla\_vaughan@xtoenergy.com

Telephone No. 505-333-3159

For State Use Only

Deputy Oil & Gas Inspector,  
District #3

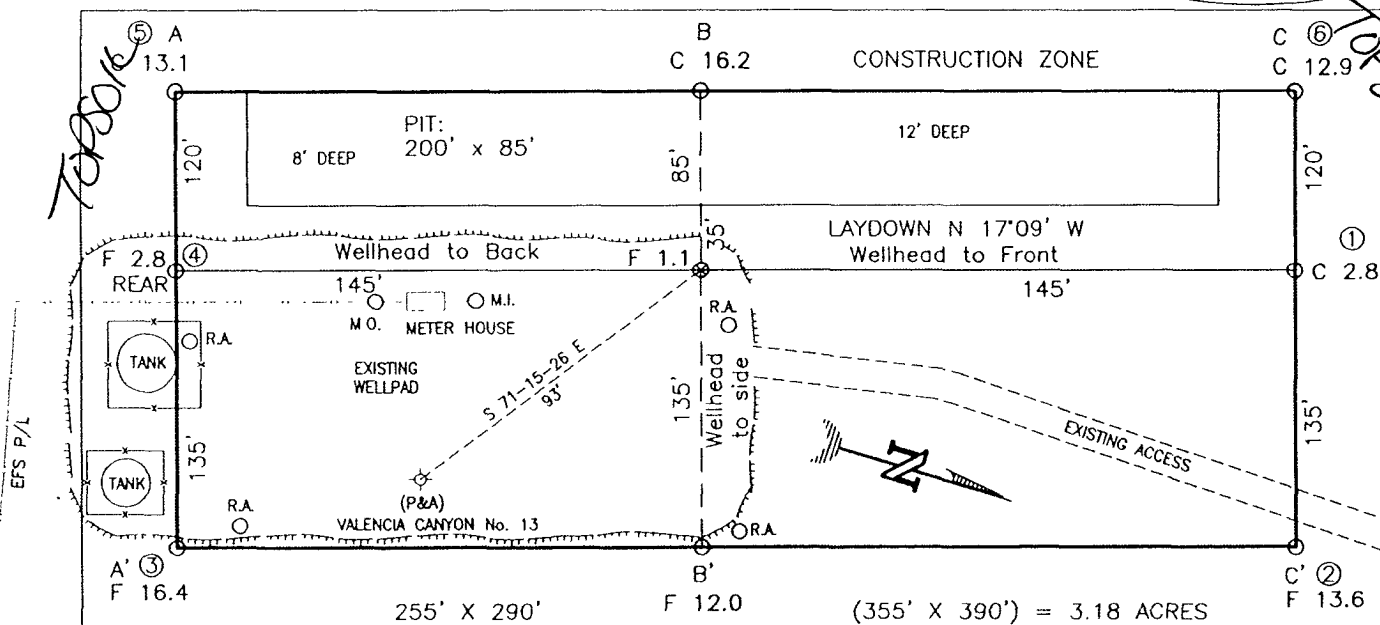
APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE JUN 16 2008

Conditions of Approval, if any:

EXHIBIT D

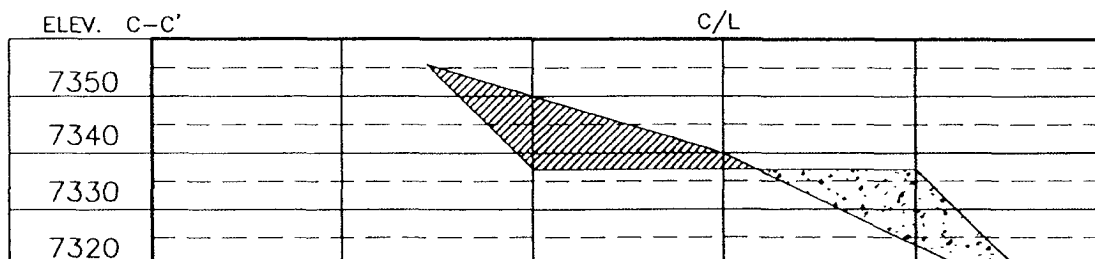
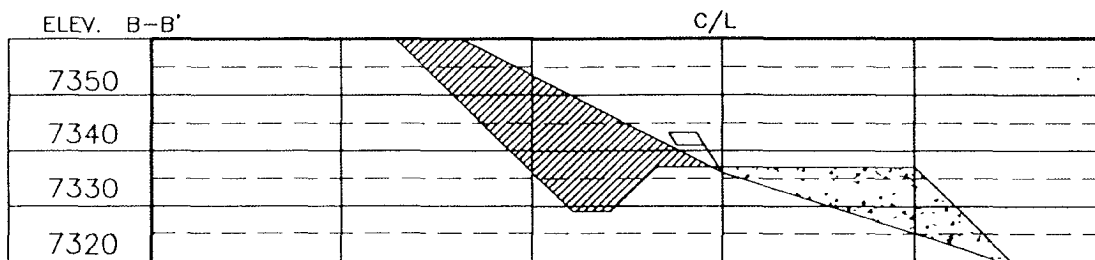
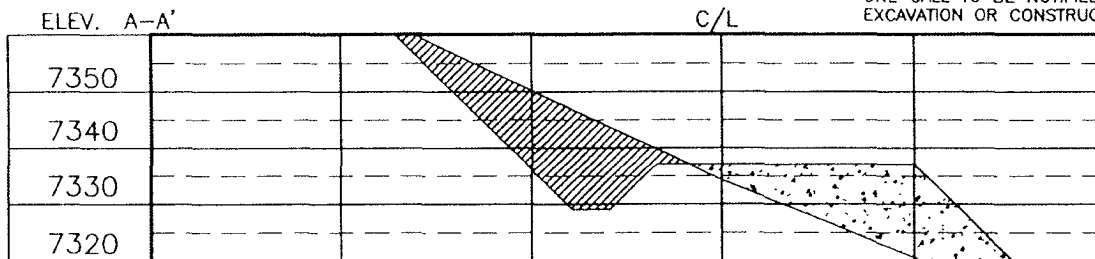
XTO ENERGY INC.  
 VALENCIA CANYON No. 22SE, 820 FSL 1940 FEL  
 SECTION 22, T28N, R4W, N.M.P.M., RIO ARriba COUNTY, N.M.  
 GROUND ELEVATION: 7336' DATE: OCTOBER 12, 2007

NAD 83  
 LAT. = 36.64233° N  
 LONG. = 107.23660° W  
 NAD 27  
 LAT. = 36°38'32.4" N  
 LONG. = 107°14'09.6" W



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
 BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.



NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

|      |          |        |                  |
|------|----------|--------|------------------|
| DATE | 10/23/07 | REASON | LOCATION RESTAKE |
| DATE | 10/23/07 | REASON | LOCATION RESTAKE |
| DATE | 11/29/07 | REASON | CORRECTED NAME   |
| DATE | 11/29/07 | REASON | CORRECTED NAME   |

Daggett Enterprises, Inc.  
 Surveying and Oil Field Services  
 P. O. Box 510 - Farmington, NM 87499  
 Phone (505) 326-1772 - Fax (505) 326-6019  
 NEW MEXICO L.S. No. 8894  
 GADGETT, CR733 - CFB  
 DATE: 09/25/06  
 DRAWN BY: A.G.  
 ROW#: CR733

EXHIBIT E

# XTO ENERGY INC.

Valencia Canyon #47A

(aka #22SE)

APD Data

March 7, 2008

Location: <sup>820</sup>720' FSL x 1940' FEL Sec 22, T28N, R4W

County: Rio Arriba

State: New Mexico

GREATEST PROJECTED TD: 6750'

OBJECTIVE: Blanco Mesaverde

APPROX GR ELEV: 7336'

Est KB ELEV: 7348' (12' AGL)

## 1. MUD PROGRAM:

| INTERVAL   | 0' to 360'  | 360' to 4475'                    | 4475' to 6750           |
|------------|-------------|----------------------------------|-------------------------|
| HOLE SIZE  | 12.25"      | 8.75"                            | <del>8.75"</del> 6.125  |
| MUD TYPE   | FW/Spud Mud | FW/Polymer/LSND/<br>Gel Chemical | Air/LSND / Gel Chemical |
| WEIGHT     | 8.6-9.0     | 8.4-8.8                          | 8.6- 9.20               |
| VISCOSITY  | 28-32       | 28-32                            | 45-60                   |
| WATER LOSS | NC          | NC                               | 8-10                    |

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Switch to LSND/ Gel Chemical mud prior to penetrating the Nacimiento Shale. Air drill production hole unless significant water flows are encountered. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes.

## 2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at  $\pm$  360' in a 12-1/4" hole filled with 9.20 ppg mud

| Interval | Length | Wt    | Gr   | Cplg | Coll Rating (psi) | Burst Rating (psi) | Jt Str (M-lbs) | ID (in) | Drift (in) | SF Coll | SF Burst | SF Ten |
|----------|--------|-------|------|------|-------------------|--------------------|----------------|---------|------------|---------|----------|--------|
| 0'-360'  | 360'   | 36.0# | J-55 | ST&C | 2020              | 3520               | 394            | 8.921   | 8.765      | 11.73   | 20.44    | 30.40  |

Intermediate Casing: 7" casing to be set at  $\pm$  4475' in a 8-3/4" hole filled with 9.20 ppg mud

| Interval | Length | Wt    | Gr   | Cplg | Coll Rating (psi) | Burst Rating (psi) | Jt Str (M-lbs) | ID (in) | Drift (in) | SF Coll | SF Burst | SF Ten |
|----------|--------|-------|------|------|-------------------|--------------------|----------------|---------|------------|---------|----------|--------|
| 0'-4475' | 4475'  | 23.0# | J-55 | ST&C | 3270              | 4360               | 284            | 6.366   | 6.241      | 1.52    | 2.03     | 2.76   |

Production Casing: 4.5" casing to be set at TD ( $\pm$ 6750') in 6-1/8" hole filled with 9.20 ppg mud.

| Interval | Length | Wt    | Gr   | Cplg | Coll Rating (psi) | Burst Rating (psi) | Jt Str (M-lbs) | ID (in) | Drift (in) | SF Coll | SF Burst | SF Ten |
|----------|--------|-------|------|------|-------------------|--------------------|----------------|---------|------------|---------|----------|--------|
| 0'-6750  | 6750'  | 11.6# | J-55 | ST&C | 4960              | 5350               | 154            | 4.000   | 3.875      | 1.53    | 1.65     | 1.96   |

Remarks: Casing strings shall be centralized in accordance with Onshore Order #2 and NTL FRA-90-1.

EXHIBIT F

3. **WELLHEAD:**

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 2,000 psig WP (4,000 psig test), 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

4. **CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):**

- A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at  $\pm 360'$  in 12-1/4" hole.

162 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft<sup>3</sup>/sk, & 6.70 gal wtr/sk.

*Total slurry volume is 225 ft<sup>3</sup>, 100% excess of calculated annular volume to 360'.*

- B. Intermediate: 7", 23.0#, J-55 (or K-55), ST&C casing to be set at  $\pm 4475'$  in 8.75" hole.

LEAD:

$\pm 385$  sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft<sup>3</sup>/sk, 10.55 gal wtr/sx.

TAIL:

100 sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

*Total estimated slurry volume for the 7" production casing is 927 ft<sup>3</sup>.*

- C. Production: 4.5", 11.6#, J-55 (or K-55), ST&C casing to be set at  $\pm 6750'$  in 6.125" hole.

$\pm 121$  sx of Premium Lite (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, glass beads, & LCM mixed at 9.7 ppg, 2.96 ft<sup>3</sup>/sk, 7.75 gal wtr/sx.

*Total estimated slurry volume for the 4.5" production casing is 356 ft<sup>3</sup>.*

*Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 40%. It will be attempted to circulate cement to the surface on all strings except 4.5". The 4.5" will be designed for 500' of overlap.*

**EXHIBIT F**

## 5. LOGGING PROGRAM:

A. Mud Logger: The mud logger, if used, will come on at 2,900' and will remain on the hole until TD. The mud may be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (6750') to the bottom of the intermediate csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6750') to the intermediate casing shoe.

## 6. FORMATION TOPS:

Est. KB Elevation: 7350'

| <u>FORMATION</u>      | <u>Sub-Sea</u> | <u>MD</u>   |
|-----------------------|----------------|-------------|
| Nacimiento            | 4908           | 2440        |
| Ojo Alamo SS          | 3759           | 3589        |
| Kirtland Shale        | 3544           | 3804        |
| Fruitland Formation   |                |             |
| Middle Fruitland Coal | 3243           | 4105        |
| Pictured Cliffs SS    | 3188           | 4160        |
| Lewis Shale           | 2875           | 4473        |
| Chacra SS**           | 2102           | 5246        |
| Cliffhouse SS*        | 1292           | 6056        |
| Menefee**             | 1227           | 6121        |
| Point Lookout SS*     | 918            | 6430        |
| Mancos Shale          |                |             |
| <b>TD</b>             | <b>598</b>     | <b>6750</b> |

\* Primary Objective

\*\* Secondary Objective

\*\*\*\* Maximum anticipated BHP should be <2,000 psig ( <0.30 psi/ft) \*\*\*\*\*

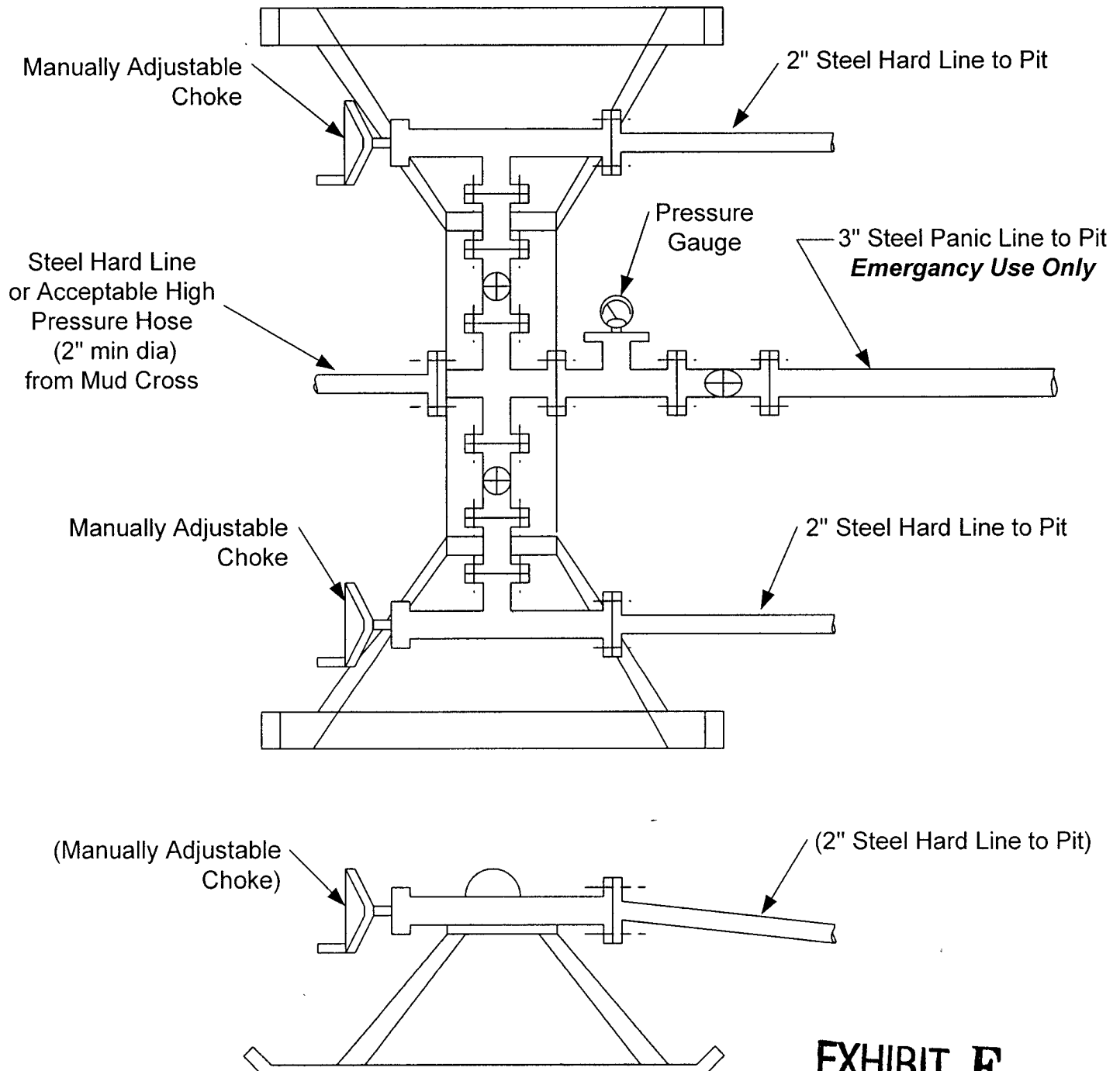
## 7. COMPANY PERSONNEL:

| Name               | Title                   | Office Phone | Home Phone   |
|--------------------|-------------------------|--------------|--------------|
| Justin Niederhofer | Drilling Engineer       | 505-333-3199 | 505-320-0158 |
| Jerry Lacy         | Drilling Superintendent | 505-333-3177 | 505-320-6543 |
| John Klutsch       | Project Geologist       | 817-885-2800 | --           |

# **CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE**

1. Stake all lines from choke manifold to pit.
2. Pressure test choke manifold after installation.
3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

## **TESTING PROCEDURE**



**EXHIBIT F**

# BOP SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

## TESTING PROCEDURE

### 1. Test BOP after installation:

Pressure test BOP to 200-300  
psig (low pressure) for 10 min.

Test BOP to Working Press or  
to 70% internal yield of surf csg  
(10 min) or which ever is less.

### 2. Test operation of (both) rams on every trip.

### 3. Check and record Accumulator pressure on every tour.

### 4. Re-pressure test BOP stack after changing out rams.

### 5. Have kelly cock valve with handle available.

### 6. Have safety valve and subs to fit all sizes of drill string on the rig floor and ready to go.

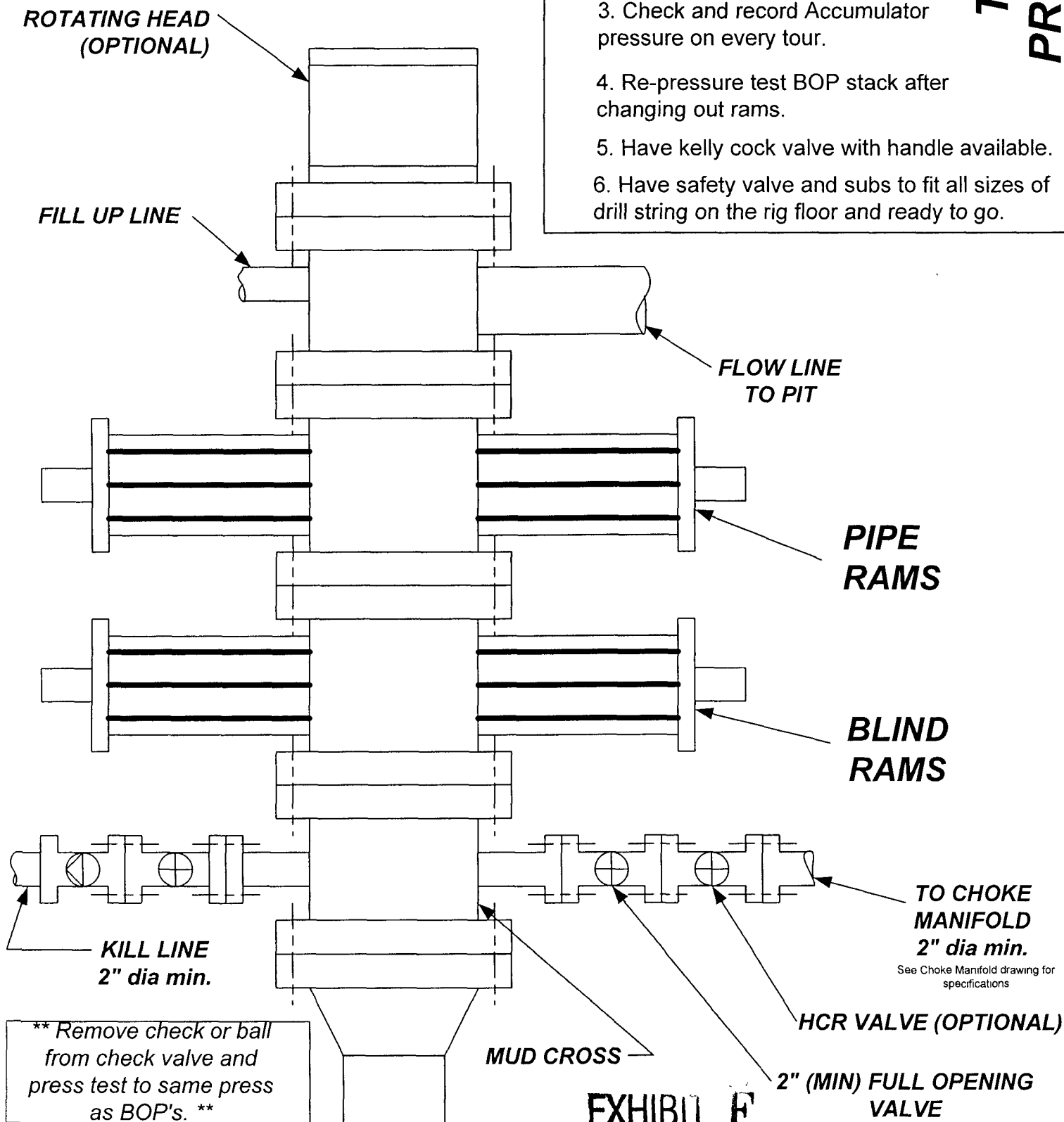


EXHIBIT F