

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

| | | | | | |
|---|--|---|--|--|--|
| 1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | | 5. Lease Serial No. ST-081239 | | |
| 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 N/A | | |
| 2. Name of Operator XTO Energy Inc. | | | 7. Unit or CA Agreement Name and No. N/A | | |
| 3a. Address 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM | | | 8. Lease Name and Well No. LC Kelly #20 | | |
| 3b. Phone No. (include area code) 505-324-1090 | | | 9. API Well No. 30-045-3344-1 | | |
| 4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 815' FSL x 2515' FWL in Sec 3, T30N, R12W At proposed prod. zone SAME | | | 10. Field and Pool, or Exploratory Basin Dakota/Blanco Mesaverde | | |
| 14. Distance in miles and direction from nearest town or post office* Approx 4 miles North of the Flora Vista, NM post office | | | 11. Sec., T., R., M., or Blk. and Survey or Area (N) Sec 3, T30N, R12W | | |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 815' | | 16. No. of Acres in lease 2522.59 | 17. Spacing Unit dedicated to this well DK 318.41 W/2 - MV 318.41 W/2 | | |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 900' | | 19. Proposed Depth 7000' | 20. BLM/BIA Bond No. on file UTB-000138 | | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5812' Ground Elevation | | 22. Approximate date work will start* winter 2005 | 23. Estimated duration 2 weeks | | |

24. Attachments

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

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

| | | |
|---|---|------------------------------|
| 25. Signature <i>Kyla Vaughan</i> | Name (Printed/Typed) Kyla Vaughan | Date 2005 11/17/05 |
| Title Regulatory Compliance Tech | | |
| Approved by (Signature) <i>[Signature]</i> | Name (Printed/Typed) [Name] | Date 3/24/06 |
| Title AFM | | |

Application approval does not warrant or certify that the applicant has a 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)

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

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

APD/ROW



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

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 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease -- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | |
|-----------------------------|-----------------------------------|---------------------|----------------------------|---------------------|
| *API Number 30-045-33441 | | *Pool Code 71599 | *Pool Name Basin Dakota | |
| *Property Code 22620 | *Property Name L. C. KELLY | | | *Well Number 20 |
| *OGRID No. 11070107 | *Operator Name XTO ENERGY INC. | | | *Elevation 5812' |

¹⁰ Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| UL or lot no. | Section | Township | Range | Lot 1dn | Feet from the | North/South line | Feet from the | East/West line | County |
| N | 3 | 30-N | 12-W | 18 | 815 | SOUTH | 2515 | WEST | SAN JUAN |

"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 |
|--|---------|----------|------------------------------|---------|----------------------------------|------------------|-------------------------|----------------|--------|
| ¹² Dedicated Acres 10/2 318.41 | | | ¹³ Joint or Infit | | ¹⁴ Consolidation Code | | ¹⁵ 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

16

LOT 8 LOT 7 LOT 6 LOT 5

LOT 9 LOT 10 LOT 11 LOT 12

QTR. CORNER
FD 3 1/4" BC
BLM 1976

N 01-19-44 W
2584.1' (M)

LOT 16 LOT 15 LOT 14 LOT 13

LAT: 36°50'10.3" N. (NAD 27)
LONG: 108°05'07.6" W. (NAD 27)

2515'

LOT 17 LOT 18 LOT 19 LOT 20

SEC. CORNER
FD 3 1/4" BC
BLM 1975

S 87-03-18 E
2781.6' (M)

QTR. CORNER
FD 3 1/4" BC
BLM 1975

17 OPERATOR CERTIFICATION

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

RECEIVED
FARMINGTON
MARCH 21 PM 1
3

Harry L. Smoot
Signature

Harry L. Smoot
Printed Name

Drilling Assistant
Title

518105
Date

18 SURVEYOR CERTIFICATION

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.

MARCH 21 1968
JOHN A. VUKOBRA
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
14831
4-31

Date _____
Signature _____ Surveyor:

Certificate Number _____

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87506

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 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease -- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|-----------------------------|-----------------------------------|---------------------|--------------------------------|
| *API Number 30-045-33441 | | *Pool Code 72319 | *Pool Name Blanco Mesaverde |
| *Property Code 22620 | *Property Name L. C. KELLY | | *Well Number 20 |
| *OGRD No. 1/070/07 | *Operator Name XTO ENERGY INC. | | *Elevation 5812' |

¹⁰ Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|----------|
| UL or lot no. | Section | Township | Range | Lat 14th | Feet from the | North/South line | Feet from the | East/West line | County |
| N | 3 | 30-N | 12-W | 18 | 815 | SOUTH | 2515 | WEST | SAN JUAN |

"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 |
| ¹² Dedicated Acres 10/2 318.41 | | | ¹³ Joint or Infill | | ¹⁴ Consolidation Code | | ¹⁵ 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

| | | | |
|--|--|--|--|
| <p>16</p> <p>LOT 8</p> <p>LOT 9</p> <p>QTR. CORNER FD 3 1/4" BC BLM 1976</p> <p>N 01°19'44" W 2564.1' (M)</p> <p>LOT 16</p> <p>SEC. CORNER FD 3 1/4" BC BLM 1976</p> | <p>LOT 7</p> <p>LOT 10</p> <p>LOT 15</p> <p>2515'</p> <p>LOT 18</p> <p>S 87°03'18" E 2701.6' (M)</p> | <p>LOT 6</p> <p>LOT 11</p> <p>LOT 14</p> <p>LAT: 36°50'10.3" N. (NAD 27) LONG: 108°05'07.6" W. (NAD 27)</p> <p>LOT 19</p> <p>QTR. CORNER FD 3 1/4" BC BLM 1975</p> | <p>LOT 5</p> <p>LOT 12</p> <p>LOT 13</p> <p>LOT 20</p> |
|--|--|--|--|

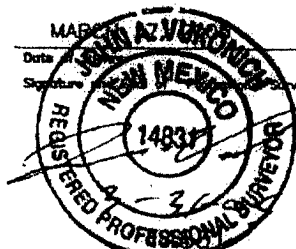
17 OPERATOR CERTIFICATION

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

Kelly K Small
 Signature
 Kelly K Small
 Printed Name
 Drilling Assistant
 Title
 2/18/05
 Date

18 SURVEYOR CERTIFICATION

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.



Date: _____
 Signature: _____
 Title: Surveyor

Certificate Number _____

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

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

Form C-103
May 27, 2004

| |
|--|
| WELL API NO <u>30-045-33441</u> |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. <u>SF-081239</u> |
| 7. Lease Name or Unit Agreement Name: <u>LC Kelly</u> |
| 8. Well Number <u>#20</u> |
| 9. OGRID Number <u>167067</u> |
| 10. Pool name or Wildcat <u>Basin Dakota/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: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other | 7. Lease Name or Unit Agreement Name: <u>LC Kelly</u> |
| 2. Name of Operator <u>XTO Energy Inc.</u> | 8. Well Number <u>#20</u> |
| 3. Address of Operator <u>2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401</u> | 9. OGRID Number <u>167067</u> |
| 4. Well Location Unit Letter <u>N</u> : <u>815</u> feet from the <u>South</u> line and <u>2515</u> feet from the <u>West</u> line Section <u>3</u> Township <u>30N</u> Range <u>12W</u> NMPM <u>NMEM</u> County <u>SAN JUAN</u> | 10. Pool name or Wildcat <u>Basin Dakota/Blanco Mesaverde</u> |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>5812'</u> | |
| Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> | |
| Pit type <u>DRILL</u> Depth to Groundwater <u><50</u> Distance from nearest fresh water well <u>>1000</u> Distance from nearest surface water <u>>1000</u> | |
| 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: | | SUBSEQUENT REPORT OF: | |
|--|--|---|---|
| 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"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPLETION <input type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> | |
| OTHER: <u>PIT</u> | <input checked="" 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.

XTO Energy intends to install a 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 Tech DATE 11/17/05
Type or print name Kyla Vaughan E-mail address: kyla_vanghan@xtoenergy.com
Telephone No. 505-564-6726

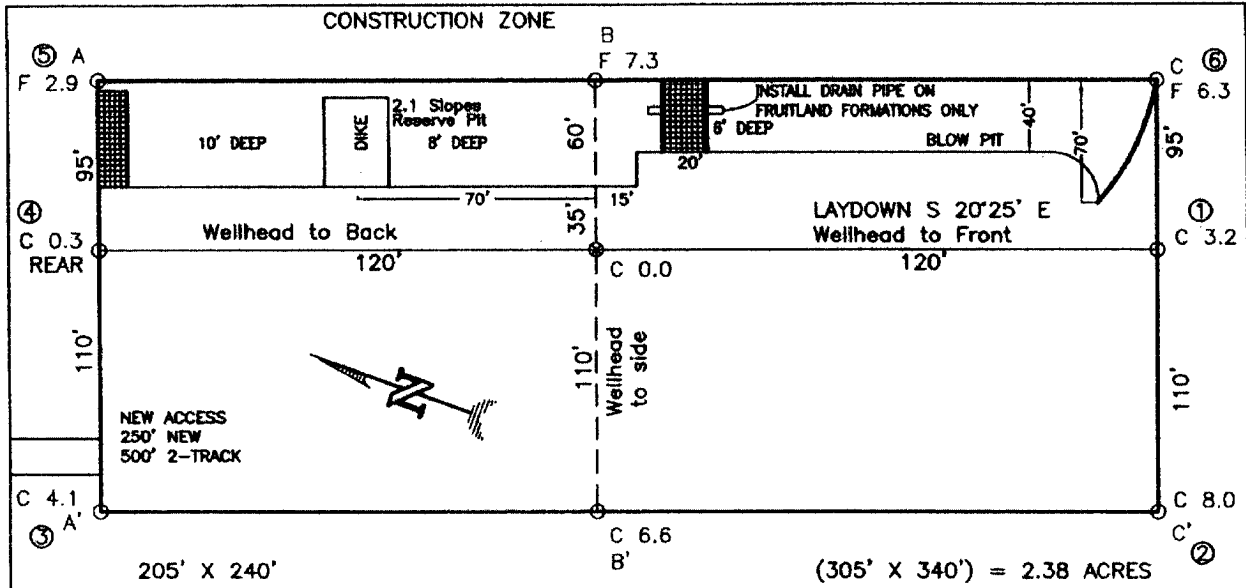
For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 30 DATE MAR 27 2006
Conditions of Approval, if any:

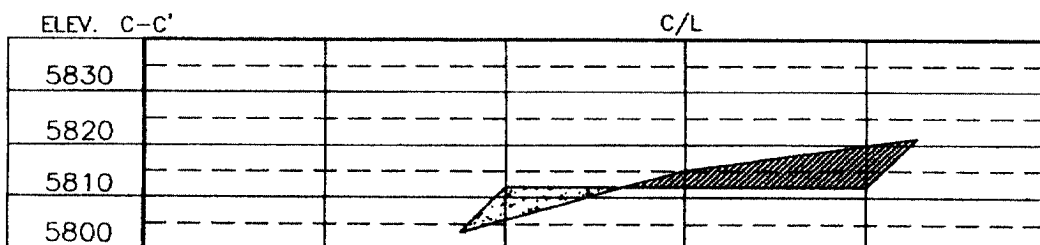
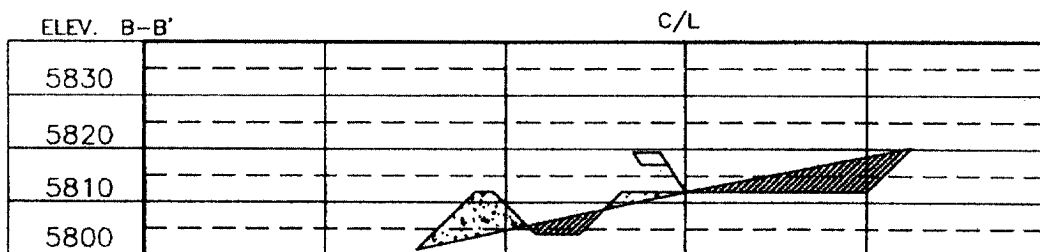
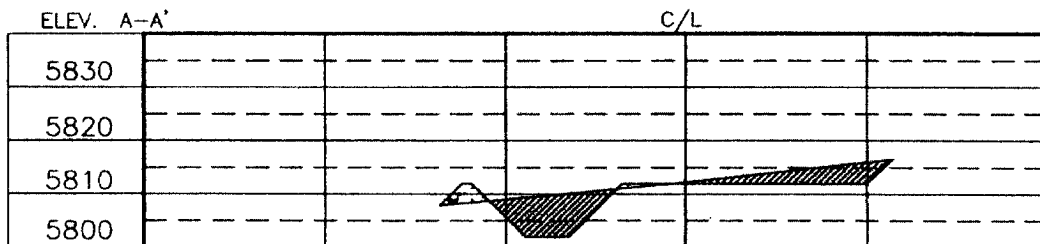
EXHIBIT D

XTO ENERGY INC.
 L. C. KELLY No. 20, 815' FSL 2515' FWL
 SECTION 3, T30N, R12W, N.M.P.M., SAN JUAN COUNTY, N. M.
 GROUND ELEVATION: 5812', DATE: MARCH 17, 2005

LAT. = 36°50'10.3" N.
 LONG. = 108°05'07.6" W
 NAD 27



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 | REVISION |
| | |
| Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Phone (505) 328-1772 • Fax (505) 328-8019 NEW MEXICO P.L.S. No. 14831 GABRIEL CRABSCOE dated 03/22/05 | |
| | |
| DRAWN BY: B.L. CHECKED BY: CR | |

EXHIBIT E

XTO ENERGY INC.

LC Kelly #20

APD Data

November 17, 2005

Location: 815' FSL x 2515' FWL Sec 3, T30N, R12W

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: 7000'

OBJECTIVE: Basin Dakota / Blanco Mesaverde

APPROX GR ELEV: 5812'

Est KB ELEV: 5824' (12' AGL)

1. MUD PROGRAM:

| | | | |
|------------|-------------|---------------|---------------------|
| INTERVAL | 0' to 360' | 360' to 2900' | 2900' to 7000 |
| HOLE SIZE | 12.25" | 7.875" | 7.875" |
| MUD TYPE | FW/Spud Mud | FW/Polymer | 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. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes.

2. CASING PROGRAM:

Surface Casing: 8.625" 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' | 24.0# | J-55 | ST&C | 1370 | 2950 | 244 | 8.097 | 7.972 | 7.950 | 17.13 | 28.24 |

Production Casing: 5.5" casing to be set at TD ($\pm 7000'$) in 7-7/8" 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'-7000 | 7000' | 15.5# | J-55 | ST&C | 4040 | 4810 | 202 | 4.950 | 4.825 | 1.21 | 1.44 | 1.86 |

3. WELLHEAD:

- Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 8-5/8" 8rnd thread on bottom and 11-3/4" 8rnd thread on top.
- 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.

EXHIBIT F

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

A. Surface: 8.625", 24.0#, J-55, ST&C casing to be set at $\pm 360'$ in 12-1/4" hole.

214 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft³/sk, & 6.70 gal wtr/sk.

Total slurry volume is 297 ft³, 100% excess of calculated annular volume to 360'.

B. Production: 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at $\pm 7000'$ in 7.875" hole.

LEAD:

± 730 sx of Premium Lite HS (Type III/Poz/Gel) with 2% salt, 1/4 pps cello, 0.2% dispersant, 0.5% fluid loss & 2% LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

150 sx Type III with 5% bonding additive, 1/4 pps cello, 2% LCM, 0.3% dispersant & 0.2% fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 1698 ft³.

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.

5. LOGGING PROGRAM:

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

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (7000') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (7000') to 3,000'.

6. FORMATION TOPS:

Est. KB Elevation: 5824'

| FORMATION | Sub-Sea Elev. | WELL DEPTH | FORMATION | Sub-Sea Elev. | WELL DEPTH |
|----------------------|---------------|------------|-----------------------------|---------------|--------------|
| Ojo Alamo SS | 5300 | 524 | Gallup Ss | 120 | 5,704 |
| Kirtland Shale | 5214 | 610 | Greenhorn Ls | -640 | 6,464 |
| Farmington SS | 5090 | 734 | Graneros Sh | -700 | 6,524 |
| Fruitland Formation | 4115 | 1,709 | 1 ST Dakota Ss* | -770 | 6,594 |
| Lower Fruitland Coal | 3915 | 1,909 | 2 ND Dakota Ss | N/A | |
| Pictured Cliffs SS | 3715 | 2,109 | 3 RD Dakota Ss* | -820 | 6,644 |
| Lewis Shale | 3515 | 2,309 | 4 TH Dakota Ss | N/A | |
| Chacra SS** | 2650 | 3,174 | 5 TH Dakota Ss** | -860 | 6,684 |
| Cliffhouse SS | 2050 | 3,774 | 6 TH Dakota Ss** | -904 | 6,728 |
| Menefee* | 2015 | 3,809 | Burro Canyon Ss** | -1008 | 6,832 |
| Point Lookout SS* | 1388 | 4,436 | Morrison Fm** | -1020 | 6,844 |
| Mancos Shale | 1060 | 4,764 | Total Depth | -1176 | 7,000 |

* 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 |
|---------------|--------------------|--------------|--------------|
| Jeff Patton | Drilling Engineer | 505-324-1090 | 505-632-7882 |
| John Egelston | Drilling Engineer | 505-564-6734 | 505-330-6902 |
| Dennis Elrod | Drilling foreman | 505-486-6460 | 505-326-2024 |
| Red Meek | Project Geologist | 817-885-2800 | 817-427-2475 |
| Barry Voigt | Reservoir Engineer | 817-885-2462 | 817-540-2092 |

JWP

11/17/05

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 ~~5~~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.

ROTATING HEAD
(OPTIONAL)

FILL UP LINE

FLOW LINE
TO PIT

PIPE
RAMS

BLIND
RAMS

KILL LINE
2" dia min.

TO CHOKE
MANIFOLD
2" dia min.

See Choke Manifold drawing for
specifications

HCR VALVE (OPTIONAL)

2" (MIN) FULL OPENING
VALVE

MUD CROSS

** Remove check or ball
from check valve and
press test to same press
as BOP's. **

EXHIBIT F

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

