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. 30-045-10091
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No.

## 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.)

7. Lease Name or Unit Agreement Name: STATE GAS COM ED
1. Type of Well: Oil Well [ ] Gas Well [ ] Other
8. Well Number #1
2. Name of Operator XTO Energy Inc.
9. OGRID Number 5380
3. Address of Operator 2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401
10. Pool name or Wildcat BASIN DAKOTA
4. Well Location

Unit Letter K : 1700 feet from the SOUTH line and 1450 feet from the WEST line

Section 32 Township 31N Range 12W NMPM County SAN JUAN

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application [ ] or Closure [ ]

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ 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 | [ ] | PLUG AND ABANDON | [X] | REMEDIAL WORK | [ ] | ALTERING CASING | [ ] |
| TEMPORARILY ABANDON | [ ] | CHANGE PLANS | [ ] | COMMENCE DRILLING OPNS. | [ ] | PLUG AND ABANDONMENT | [ ] |
| PULL OR ALTER CASING | [ ] | MULTIPLE COMPLETION | [ ] | CASING TEST AND CEMENT JOB | [ ] | | |
| OTHER: | [ ] | | | 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 Inc. proposes to plug & abandon this well per the attached procedure. This procedure was discussed in a meeting with OCD, Ray Martin & Dusty Mecham in February 2007. Please see also the attached wellbore diagrams.**

RCVD APR25'07
OIL CONS. DIV.
DIST. 3

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 _____ TITLE REGULATORY COMPLIANCE TECH DATE 4/2/07

Type or print name LORRI D. BINGHAM E-mail address: Lorri_bingham@xtoenergy.com Telephone No. 505-324-1090

For State Use Only

APPROVED BY _____ TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 25 2007

Conditions of Approval, if any:

Notify OCD to witness

# PLUG AND ABANDONMENT PROCEDURE

February 23, 2007

## State Gas Com BD #1

Basin Dakota
1700' FSL, 1450' FWL, Section 32, T31N, R12W
San Juan County, New Mexico, API 30-045-10091

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Project will require a Pit Permit (C103) from the NMOCD.

2. Install and or test rig anchors. Prepare a lined waste fluid holding pit. Comply with all NMOCD, BLM and XTO safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.

3. Pick up one 1" x 20' XH Line Pipe (O.D. – 1.315"), with a mule shoe end, and then a 2.375" workstring; TIH. Tag fill or the parted tubing in the well. Rig up drilling equipment and establish circulation to surface with water. Circulate out fill as deep as possible. TOH and LD the 1" line pipe.

4. **Plug #1 (Isolation of deeper zones, 2100' to as deep as possible):** Set a 4.5" cement retainer at 2100'. Pressure test tubing to 1500#. Establish an injection rate below CR, note the bpm and pressure. Sting out of the CR and pressure test the casing above to 800 PSI. The following is a probable cement plug to pump below the CR; actual cementing details will be determined by the initial rate and pressure and then modified as appropriate as the injection rate and pressure change during the job:
   Mix and pump approximately 110 sxs Type III cement: 1st – mix the cement slurry light (12 to 13 ppg) and then increase as appropriate; 2nd - squeeze as much as 100 sxs below the CR if the injection rate and pressure are favorable, use additional cement if appropriate; 3rd – sting out of the CR and leave 10 sxs inside the casing above the CR. TOH with tubing and WOC overnight.

Table- Type III Cement Density and Required Water:

| Density | Yield | Mix Water |
|---|---|---|
| 14.8 ppg | 1.32 (cf/sx) | 6.30 (gal/sack) |
| 14.1 ppg | 1.50 (cf/sx) | 7.60 (gal/sack) |
| 13.4 ppg | 1.68 (cf/sx) | 8.90 (gal/sack) |
| 12.7 ppg | 1.86 (cf/sx) | 10.20 (gal/sack) |

5. **Plug #2 (Fruitland top, 2000' – 1800'):** *Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate.* Perforate 3 HSC squeeze holes at 2000'. If the 4.5" casing tested, then attempt to establish rate into the squeeze holes. Set a 4.5" cement retainer at 1950'. Establish rate below CR. Mix and pump 86 sxs cement, squeeze 69 sxs outside the casing and leave 17 sxs inside the casing to cover the Fruitland top. TOH with tubing.

6. **Plug #3 (Kirtland and Ojo Alamo tops, 850' – 570'):** Perforate 3 HSC squeeze holes at 900'. If the 4.5" casing tested, then attempt to establish rate into the squeeze holes. Set a 4.5" cement retainer at 850'. Establish rate below CR. Mix and pump 120 sxs Type III cement, squeeze 97 sxs outside the 4.5" casing and leave 23 sxs inside 4.5" casing to cover the Ojo Alamo. TOH and LD tubing.

7. **Plug #4 (Surface)**: Perforate 3 HSC squeeze holes at 414'. Establish circulation to surface out the bradenhead valve; circulate the BH annulus clean. Mix approximately 115 sxs cement and pump down the 4.5" casing to circulate good cement to surface out the bradenhead valve. Shut in well and WOC.

8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# State Gas Com BD #1

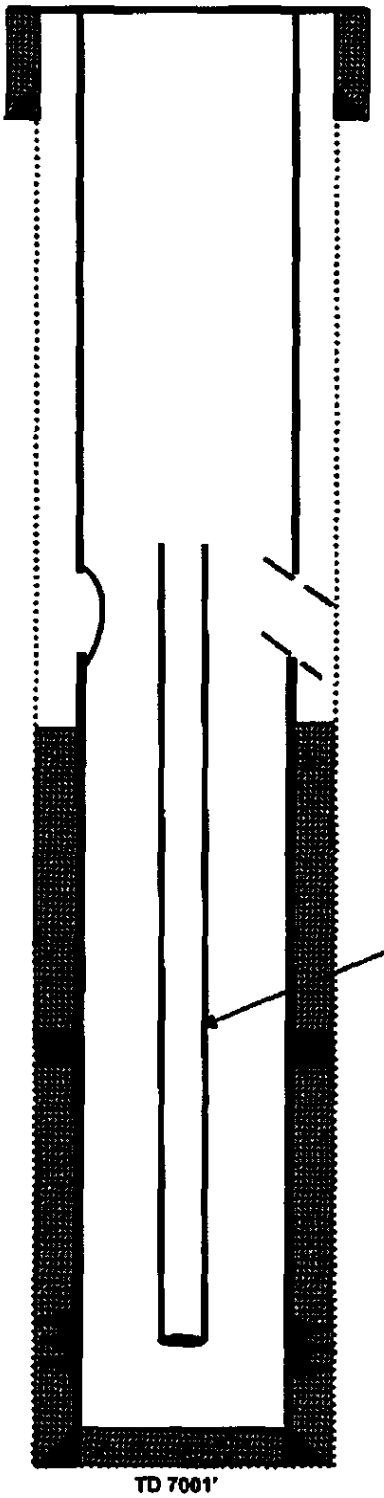
## Current

**Basin Dakota**

**1700' FSL, 1450' FWL, Section 32, T-31-N, R-12-W**

**San Juan County, NM, API #30-045-10091**

Today's Date: 2/23/07
Spud: 10/25/64
Completed: 11/5/64
Elevation: 6036' GL
6050' KB




8.625" 24#, J-55 Casing set @ 364'
Cement with 225 sxs, circulated

Ojo Alamo @ 620'

Kirtland @ 850'

Fruitland @ 1880'

Pictured Cliffs @ 2320'

Mesaverde @ 3960'

Gallup @ 5940'

Dakota @ 6800'

***Well History:***

Mar '05: Found the tubing in this well stuck. After 20 days of fishing operations it was determined the casing was collapsed and not repairable. Damaged casing starts at 2278'. Washed down to 2318', returns coal and formation.

Damaged casing starts at 2278'. Washover shoe cut through the casing at approximately 2300'.

TOC @ 2405',(Calc. 75%)

1.900" Tubing, originally set at 6859'
Top of tubing at approximately 2269'.

DV Tool at 5039'
Cement with 750 sxs (1050 cf)
TOC @ DV Tool (Calc 75%)

Dakota Perforations:
*6818' – 6926'*

4.5" 10.5#, J-55 Casing set @ 7000'
Cement with 500 sxs (852 cf)

**TD 7001'**
**PBTD 6964'**

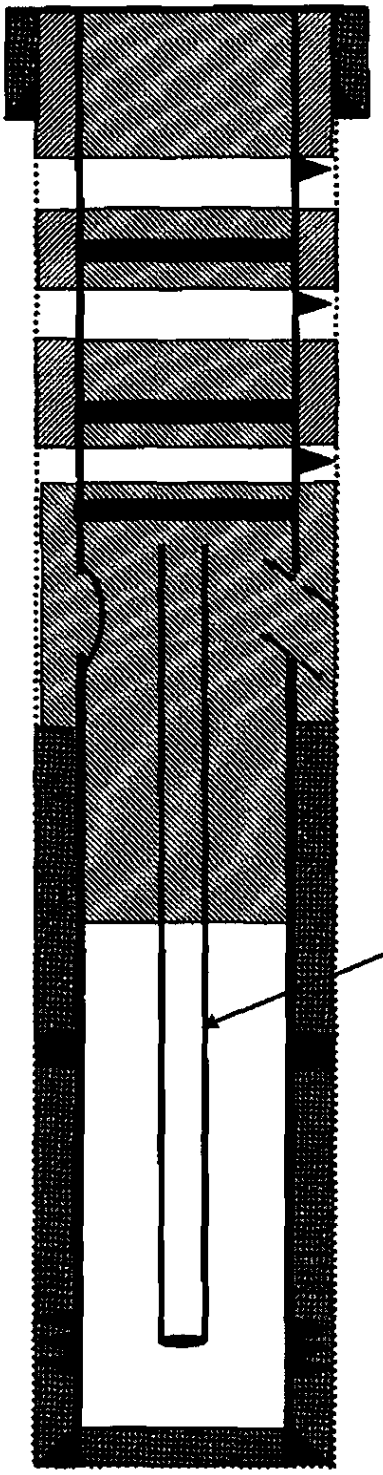
# State Gas Com BD #1

## Proposed P&A

**Basin Dakota**

**1700' FSL, 1450' FWL, Section 32, T-31-N, R-12-W**
**San Juan County, NM, API #30-045-10091**

Today's Date: 2/23/07
Spud: 10/25/64
Completed: 11/5/64
Elevation: 6036' GL
6050' KB



12.25" hole

8.625" 24#, J-55 Casing set @ 364'
Cement with 225 sxs, circulated

Perforate @ 414'

**Plug #4: 414' – 0'**
Type III cement, 115 sxs

Ojo Alamo @ 620'

Cmt Retainer @ 850'

**Plug #3: 850' – 570'**
Type III cement, 120 sxs:
97 outside and 23 inside

Kirtland @ 850'

Perforate @ 900'

Fruitland @ 1880'

Cmt Retainer @ 1950'

**Plug #2: 2000' – 1800'**
Type III cement, 86 sxs:
69 outside and 17 inside

Perforate @ 2000'

Set CR @ 2100'

**Plug #1: 2100' to as deep as possible, 100 sxs or more cement.**

Pictured Cliffs @ 2320'

Damaged casing starts at 2278'. Washover shoe cut through the casing at approximately 2300'.

TOC @ 2405',(Calc, 75%)

Mesaverde @ 3960'

1.900" Tubing, originally set at 6859'
Top of tubing at approximately 2269'.

DV Tool at 5039'
Cement with 750 sxs (1050 cf)
TOC @ DV Tool (Calc 75%)

Gallup @ 5940'

Dakota @ 6800'

Dakota Perforations:
6818' – 6926'

7.875" hole

4.5" 10.5#, J-55 Casing set @ 7000'
Cement with 500 sxs (852 cf)

**TD 7001'**
**PBTD 6964'**