

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

June 19, 2008

WELL API NO. 30-045-23355
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: MARY SHEPHERD
8. Well Number #1
9. OGRID Number 5380
10. Pool name or Wildcat AZTEC PICTURED CLIFFS

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
2. Name of Operator XTO ENERGY INC.
3. Address of Operator 382 CR 3100 AZTEC, NM 87410
4. Well Location Unit Letter <u>K</u> : <u>1700</u> feet from the <u>SOUTH</u> line and <u>1760</u> feet from the <u>WEST</u> line Section <u>10</u> Township <u>30N</u> Range <u>11W</u> NMPM County <u>SAN JUAN</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5754' GR

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 COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/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 Inc. intends to plug and abandon this well per the attached procedure. Please see also, the attached current and proposed wellbore diagrams for further information.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD JUN 1 '10
OIL CONS. DIV.
DIST. 3

Spud Date:

Rig Release Date:

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

SIGNATURE Lorri D. Bingham TITLE REGULATORY ANALYST DATE 5/27/10
Type or print name LORRI D. BINGHAM E-mail address: Lorri_bingham@xtoenergy.com PHONE 505-333-3204

For State Use Only

APPROVED BY Deputy Oil & Gas Inspector, District #3 DATE 6/4/10
Conditions of Approval (if any):

Plug and Abandonment Procedure

March 29, 2010

Mary Shepherd #1

Aztec Pictured Cliffs
1700' FSL and 1760' FWL, Section 10, T30N, R11W
San Juan County, New Mexico / API 30-045-23355
Lat: N _____ / Lat: W _____

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 Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires the Operator to obtain an approved NMOCD C-144 Pit or Below-Grade Tank Registration application for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes _____, No X, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 2.375", Length 2233'.
Packer: Yes _____, No X, Unknown _____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip 4.5" casing scraper or gauge ring to 2201'; or as deep as possible.
4. **Plug #1 (Pictured Cliffs perforations and PC/Fruitland tops, 2201' - 1901')**: RIH and set CR at 2201'. Pressure test tubing to 1000 PSI. Pressure test casing to 800 PSI. If casing does not test, then spot or tag subsequent plugs as appropriate. Load casing with water and circulate well clean. Mix and pump 27 sxs Class B cement and spot a balanced plug above CR to isolate the Pictured Cliffs interval and cover the Fruitland top. PUH.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 1066' – 750')**: Spot 28 sxs Class B cement inside casing to cover through the Ojo Alamo top. PUH.
6. **Plug #3 (8.625" Surface casing, 306' - Surface)**: Connect the pump line to the bradenhead valve. Pressure test the BH annulus to 300#; note the fluid volume to load. If the BH annulus tests, then mix 25 sxs Class G cement and spot a balanced plug inside the 4.5" casing to cover the surface casing shoe, circulate cement to surface out the casing valve. TOH and LD the tubing. If the BH annulus does not test, then perforate at the appropriate depths to cover the casing shoe and fill the bradenhead annulus to surface. TOH and LD tubing. Shut in well and WOC.
7. ND cementing valves and cut off wellhead. Fill 4.5" casing with cement as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Mary Shepherd #1

Proposed P&A

Aztec Pictured Cliffs

1700'FSL, 1760'FW L, Section 10, T-30-N, R-11-W,

San Juan County, NM / API #30-045-23355

Lat _____ / Long _____

Today's Date. 3/29/10

Spud: 4/18/79

Completed: 4/28/79

Elevation: 5754' GL

12.25" hole

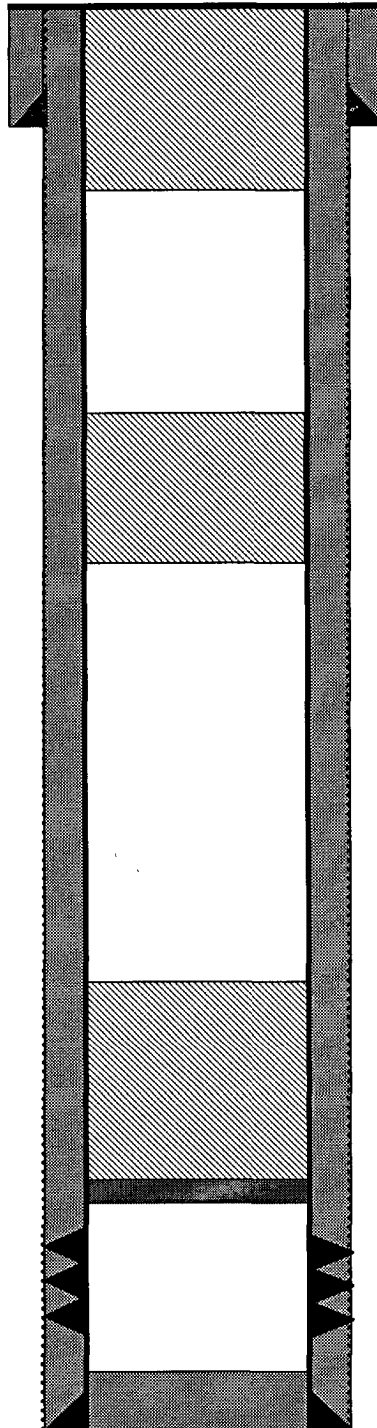
Ojo Alamo @ 800'

Kirtland @ 1016' *est

Fruitland @ 1951' *est

Pictured Cliffs @ 2251'

6 75 hole



TOC @ surface (Calc, 75%)

8.625" 28#, K-55 Casing set @ 256'
Cement with 175 sxs (Circulated to Surface)

Plug #3: 306' – 0'
Class B cement, 25 sxs

Plug #2: 1066' – 750'
Class B cement, 28 sxs

Plug #1: 2201' – 1901'
Class B cement, 27 sxs

Set CR @ 2201'

Pictured Cliffs Perforations:
2251' – 2293'

4.5#, K-55 Casing set @ 2370'
Cement with 385 sxs (486 cf)

TD 2371'
PBTD 2339'

Mary Shepherd #1

Current

Aztec Pictured Cliffs

1700'FSL, 1760'FW L, Section 10, T-30-N, R-11-W,

San Juan County, NM / API #30-045-23355

Lat _____ / Long _____

Today's Date: 3/29/10

Spud: 4/18/79

Completed: 4/28/79

Elevation: 5754' GL

12.25" hole

TOC @ surface, (Calc, 75%)

8 625" 28#, K-55 Casing set @ 256'
Cement with 175 sxs (Circulated to Surface)

2.375" tubing @ 2233'
(71 jts, 4.7#, EUE)

Ojo Alamo @ 800'

Kirtland @ 1016' *est

Fruitland @ 1951' *est

Pictured Cliffs @ 2251'

Pictured Cliffs Perforations:
2251' – 2293'

4.5", 10.5#, K-55 Casing set @ 2370'
Cement with 385 sxs (486 cf)

6.75" hole

TD 2371'
PBTD 2339'

