

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

June 19, 2008

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

WELL API NO. 30-045-31077
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: BLACKHILLS STATE 16
8. Well Number #1
9. OGRID Number
10. Pool name or Wildcat BASIN FRUITLAND COAL
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6180' GL

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 ☐ Gas Well ☒ Other	7. Lease Name or Unit Agreement Name: BLACKHILLS STATE 16
2. Name of Operator XTO Energy Inc.	8. Well Number #1
3. Address of Operator 382 CR 3100 Aztec, NEW MEXICO 87410	9. OGRID Number
4. Well Location Unit Letter P : 772 feet from the SOUTH line and 701 feet from the EAST line Section 16 Township 26N Range 13W NMPM NMPM County SAN JUAN	10. Pool name or Wildcat BASIN FRUITLAND COAL
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6180' GL	

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. proposes to plug and abandon this well per the attached procedure.

Please also see the attached current and proposed wellbore diagrams.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD DEC 2 '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 Teena M. Whiting TITLE REGULATORY COMPLIANCE TECH DATE 12/1/2010
teena_whiting@xtoenergy.com
Type or print name TEENA M. WHITING E-mail address: teena_whiting@xtoenergy.com PHONE 505-333-3176

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE 12-30-10
Conditions of Approval (if any):

PLUG AND ABANDONMENT PROCEDURE

11/16/10

Blackhills State 16 #1

Basin Fruitland Coal
772' FSL and 701' FEL, Section 16, T26N, R13W
San Juan County, New Mexico / API 30-045-31077
Lat: _____ / Lat: _____

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 a NMOCD C-144 CLEZ Closed-Loop System Permit 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. TOH and LD rods and pump. ND wellhead and NU BOP. Function test BOP. TOH and LD BHA.
3. Rods: Yes X , No , Unknown .
Tubing: Yes X , No , Unknown , Size 2.375" , Length 1356' .
Packer: Yes , No X , Unknown , Type .
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **Plug #1 (Pictured Cliffs top, Fruitland perforations and Fruitland top, 1100' – 900'):** PU and TIH with 4.5" cement retainer, set at 1100'. Pressure test tubing to 1000 PSI. *Pressure test casing to 800 PSI. If casing does not test, then spot or tag subsequent plug as appropriate.* Mix and pump 19 sxs Class B cement above CR to isolate the Pictured Cliffs interval and cover the Fruitland top. PUH.
5. **Plug #2 (Kirtland top and Surface Casing shoe, 375' to Surface):** Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 33 sxs Class B cement and spot a balanced plug inside the casing from 375' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 4.5" casing and the BH annulus to surface. Shut well in and WOC.
6. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

BLACKHILLS STATE 16 #1
WELLBORE DIAGRAM

KB: 6,185'
GL: 6,180'
CORR: 5'

DATA

LOCATION: 772 FSL & 701' FEL UNIT P, SEC 16, T 26N, R 13W
COUNTY/STATE: SAN JUAN, NEW MEXICO
FIELD: BASIN
FORMATION: FRUITLAND COAL
FED LEASE #: VA-25510000
XTO WELL #: 67919
SPUD DATE: 12/11/02
COMPLETION DATE: 03/04/03
IP: N/A
PRODUCTION METHOD: PUMPING
TUBING STRING: OEMA, SN, & 42 JTS 2-3/8" TBG. EOT @ 1,356', SN @ 1,335'
RODS: 2'X1-1/4"X10' RHAC-Z PMP, 2 - 1-1/4" SB, 21K SH TL, 16 - 3/4" RODS (4 GUIDE PER ROD), 33 - 3/4" RODS, 8', 6', & 2' PONY, & 1-1/4"X22' PR
PERFS: FC: 1,250'-1,254', 1,280'-1,296' (8 SPF, 160 HOLES), 1,310'-1,317', 1,319'-1,321' (4 SPF, 36 HOLES)

8-3/4" HOLE

7", 20#, J-55, ST&C CSG @
170'. CMT W/70 SX CL B CMT.
CIRC 5 BBL CMT TO SURF.

Tops:
Fruitland Coal - 950'
Kirtland - 325'

6-1/4" HOLE

FC: 1,138'-1,157' (4 SPF, 76 TTL)

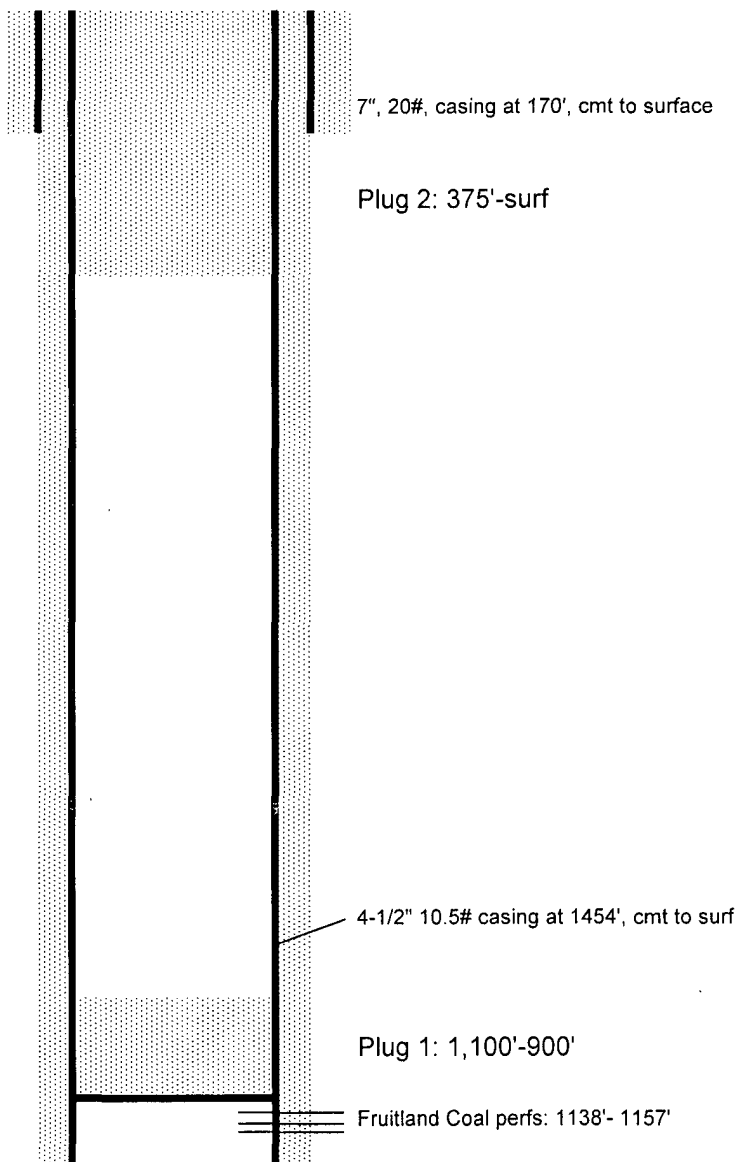
4-1/2", 10.5#, J-55 CSG @ 1,454'. CMTD
W75 SX CL B CMT + 100 SX CL B
CMT. CIRC 8 BBL CMT TO SURF.
WFL 11/16/10

PBTD: 1,419'
TD: 1,448'

HISTORY

12/10/02: SPUD @ 09:25. DRILLED 8-3/4" HOLE TO 180'. SET 4 JTS 7", 20#, J-55, ST&C CSG @ 170'. CMT W/70 SX CL B CMT W/2% CACL2 & 1/4 PPS CELLO (MIXED @ 15.6 PPG & 1.18 CUFT/FT). CIRC 5 BLS CMT TO SURF.
12/14/02: DRILLED 6-1/4" HOLE TO 1,448'. MIRU HALLIBURTON WL RUN TRIPLE COMBO. RDMO WL. SET 35 JTS 4-1/2", 10.5#, J-55, ST&C, R-3 CSG @ 1,454', FC @ 1,419'. CMTD W/75 SX CL B CMT W/2% ECONOLITE, 5 PPS GILSONITE, & 1/4 PPS FLOCELE (MIXED @ 12.2 PPG & 2.25 CUFT/FT) + 100 SX CL B CMT W/2% CACL2, 5 PPS GILSONITE, & 1/4 PPS FLOCELE (MIXED @ 15.4 PPG & 1.23 CUFT/FT). CIRC 8 BLS CMT TO SURF. RDMO DRLG RIG.
01/30/03: MIRU WL. RUN GR/CCL/CBL FR/1,457'-SURF. TOC @ SURF. PERF FC FR/1,250'-1,254', 1,280'-1,296' (4 SPF, 0.40" DIA, 80 HOLES), 1,310'-1,317', 1,319'-1,321' (4 SPF, 0.40" DIA, 36 HOLES). RDMO WL.
02/01/03: MIRU FRAC. PMP 750 GALS 10% FORMIC AC. FRAC W/25,000# 20/40 BRADY SD W/45,402 GALS AMBORMAX 1020 XL FLUID. SD FR/1.0-2.0 PPG (SCRN OUT @ 2.0 PPG). ISIP 2,340 PSIG. RD FRAC. REPERF FC FR/1,250'-1,254', 1,280'-1,296' (4 SPF, 0.40" DIA, 80 HOLES). CO W/CTU TO 1,300'.
02/02/03: RU FRAC. PMP 715 GALS 10% FORMIC AC. FRAC W/108,260# 20/40 BRADY SD + 44,000# 20/40 RC SD W/66,420 GALS AMBORMAX 1020 XL FLUID. SD FR/1.0-5.0 PPG (RC SD PMPD IN 4.0-5.0 PPG STGS). ISIP 860 PSIG, 5" SIP 735 PSIG, 10" SIP 705 PSIG, 15" SIP 680 PSIG. ATP 1,690 PSIG, AIR 54.0 BPM. RDMO FRAC.
02/24/03: MIRU PU. CO TO PBTD (1,419').
02/28/03: TIH W/STC, 1 JT 2-3/8" TBG, SN & 39 JTS 2-3/8" TBG. EOT @ 1,269', SN @ 1,233'. TIH W/2"X1-1/4"X6"X9"X11' THD PMP, 47 - 3/4" RODS, 6', 8' PONY, & 1-1/4"X22' PR. RDMO PU.
03/03/03: SET LUFKIN 80DB PMPG UN.
06/27/03: MIRU PU. TOH W/BHA. TIH W/PKR, SN, & 2-3/8" TBG. EOT @ 1,196'. MIRU N2 TRK. PMP 33,905 SCF N2, 1,500 GALS TRTD WTR, & 5,425 SCF N2.
06/28/03: CO TO PBTD. TIH W/STC, 1 JT 2-3/8" TBG, 4' PERF SUB, SN & 42 JTS 2-3/8" TBG. EOT @ 1,367', SN @ 1,330'. TIH W/2"X1-1/4"X6"X8"X11' THD PMP, 51 - 3/4" RODS, 6', 8' PONY, & 1-1/4"X22' PR. RDMO PU.
07/19/03: MIRU PU. TOH W/RODS & PMP. TIH W/1 JT 2-3/8" TBG. PMP 290 BW W/TRACER @ 18 BPM & 2,300 PSIG. LOGS IND ALL PERFS ACTIVE. TOH W/1 JT 2-3/8" TBG. EOT @ 1,356', SN @ 1,335'. TIH W/2"X1-1/4"X6"X8"X11' THD PMP, 51 - 3/4" RODS, 6', 8' PONY, & 1-1/4"X22' PR. RDMO PU.
02/15/08: XTO ENERGY ASSUMES OPERATIONS.
12/15/08: MIRU PU. TOH W/BHA. CO TO PBTD. TIH W/OEMA, SN, & 42 JTS 2-3/8" TBG. EOT @ 1,356', SN @ 1,335'. TIH W/2"X1-1/4"X6"X8"X11' THD PMP, 2 - 1-1/4" SB, 21K SH TL, 16 - 3/4" RODS (4 GUIDE PER ROD), 33 - 3/4" RODS, 8', 6', & 2' PONY, & 1-1/4"X22' PR. RDMO PU.

Blackhills State 16-1
Sec 16, T26N, R13W
API# 30-045-31077



<u>Tops:</u>	
Casing shoe	170'
Kirtland	325'
Fruitland Coal	950'