

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

SEP 03 2008

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Bureau of Land Management
Farmington Field Office

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

382 CR 3100 AZTEC, NM 87410

3b. Phone No. (include area code)

505-333-3100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' ENL & 790' FEL NENE Sec.28 (A) -T27N-R11W N.M.P.M.

5. Lease Serial No.

NMSE-078872A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

BOLACK #4

9. API Well No.

30-045-06306

10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL

11. County or Parish, State

SAN JUAN NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|--|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other _____ |
| ☐ Change Plans | ☒ Plug and Abandon | ☐ Temporarily Abandon | _____ |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | _____ |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection)

XTO Energy Inc. proposes to P & A this well per the attached procedure & well bore diagrams.

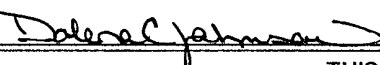
RCVD SEP 5 '08
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

DOLENA JOHNSON

Title REGULATORY CLERK

Signature



Date 09/02/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

SEP 04 2008

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

NMOCD

PLUG AND ABANDONMENT PROCEDURE

August 4, 2008

Bolack #4

Basin Fruitland Coal / Undesignated Gallup
790' FNL and 790' FEL, Section 28, T27N, R11W
San Juan County, New Mexico / API 30-045-06306
36.55110 N Lat. 108.00221 W Long.

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 G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. This project requires the Operator to obtain an approved 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. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes X , No , Unknown
Tubing: Yes X , No , Unknown , Size 2.375" Length 1958'
Packer: Yes , No X , Unknown , Type
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.
4. **Note: PU additional 2.375' tubing workstring to drill out existing CIBP at 2150' and tag existing CIBP at 5519'. If necessary, LD tubing and PU drill string. Drill out CIBP at 2150'. Circulate well clean. POH and LD drill collars.**
5. **Plug #1 (Gallup perforations and top, 5519' – 5419')**: TIH and tag existing CIBP at 5519'. Load casing above the CIBP with water and circulate well clean. Mix and pump 12 sxs Class G cement above existing CIBP to isolate the Gallup interval. TOH with tubing.
6. **Plug #2 (Mesaverde top, ²⁸⁸⁹4351' – ²⁷⁸⁹4251')**: ~~Perforate 3 HSC squeeze holes at 4351'. If the casing tested, then attempt to establish rate into the squeeze holes. Set 4.5" cement retainer at 4301'. Establish rate below CR. Mix and pump 37 sxs Class G cement, squeeze 25 sxs outside the casing and leave 12 sxs inside the casing to cover the Mesaverde top. TOH with tubing.~~
7. **Plug #3 (Fruitland Coal perforations and PC, Fruitland tops, 1830' – ¹⁵⁴⁸1613')**: TIH and set CIBP at 1830'. Load casing above the CIBP with water and circulate well clean. *Attempt to pressure test casing to 800 PSI. If casing does not test, then spot or tag subsequent plugs as appropriate.* Spot 21 sxs Class G cement above existing CIBP to isolate the Pictured Cliffs perforations, top and cover through the Fruitland top. TOH with tubing.
8. **Plug #4 (Kirtland and Ojo Alamo tops, 1014' – 771')**: Perforate 3 squeeze holes at 1014'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 964'. Establish rate into squeeze holes. Mix and pump 82 sxs Class G cement, squeeze 59 sxs outside the casing and leave 23 sxs inside the casing to cover through the Ojo Alamo top. TOH and LD tubing.

9. **Plug #5 (8.625" Surface Casing, 259' – 0'):** Perforate 3 squeeze holes at 259'. Establish circulation out bradenhead with water. Circulate the BH annulus clean. Mix and pump approximately 80 sxs Class G cement down 4.5" casing from 259' to circulate good cement out the bradenhead valve. Shut in well and WOC.
10. ND cementing valves and cut off wellhead. Fill casing and annulus with cement as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

BOLACK #4

DATA

LOCATION: 790' FNL & 790' FEL, UNIT A, SEC 28, T27N, R11W
COUNTY/STATE: SAN JUAN COUNTY, NEW MEXICO
FIELD: BASIN FRUITLAND COAL, WILDCAT GALLUP, BASIN DAKOTA
FORMATION: FRUITLAND COAL

API #: 30-045-06306

XTO ACCTG #: FC: 79116

SPUD DATE: 01/17/61

COMPLETION DATE: 02/14/61

IP: DK: F. 47 BO, 2 BW, 2,190 MCF, FTP 600 PSIG, SICP 700 PSIG, 3/8" CK, 24 HRS.

GP: P. 8 BO, 0 BW, TSTM MCF, FCP 35 PSIG, 24 HRS.

PERFS/MILLED: DK: 6,447' - 6,461' w/3 JSP2F. MILLED CSG fr/6,487' - 6,506' & 6,558' - 6,567'.
JET CUT NOTCH'S @ 6,490', 6,494.5', 6,498', 6,561' & 6,565'. **UNDER CIBP**
GP: 5,569' - 5,574', 5,579' - 5,585', 5,610' - 5,618', 5,666' - 5,676', 5,687' - 5,689'
& 5,693' - 5,696' w/2 JSPF (68 HOLES). **UNDER CBP**
FC: 1,922' - 1,916', 1,907' - 1,905', 1,890' - 1,886' & 1,882' - 1,880' W/3 JSPF (54 HOLES).

TUBING: OEMA, SN & 58 JTS TBG

RODS & PMP: 2" X 1-1/2" X 8' RWAC-Z (DV) PMP, 1" X 1' STNR NIP, RHBO TL, SPIRAL ROD
GUIDE, 1" X 1' LS, 77 - 3/4" RODS & 1-1/4" X 16' PR W/8' LNR

PROD. METHOD: PPG UNIT.

HISTORY

01/18/61: SPUDDED 12-1/4" HOLE. TD @ 209'. SET 8-5/8", 24" CSG @ 209'. CMT'D w/200 SX
REG CMT w/2% CaCl₂ CIRC CMT TO SURF.

01/30/61: CORE #1 fr/6,480' - 6,540'. REC 60'.

01/31/61: DRLG TO 6,570'. RAN OH I-ES/GR/NEUTRON LOG. DRLD TO 6,625'. RAN OH I-
ES/GR/NEUTRON LOG OVER NEW INTERVAL. TD 6-3/4" HOLE @ 6,658'.

02/01/61: SET 4-1/2", 11.6" CSG @ 6,656'. DV TL @ 2,195'. CMT'D 1ST STG w/125 SX 50-50
POZMIX CMT FOLLOWED BY 50 SX 50-50 POZMIX. GOOD RTRNS WHILE CMTG.
TOC @ 5,210' BY CBL. CMTD 2ND STG w/75 SX 50-50 POZMIX. GOOD RTRNS WHILE
CMTG. TOC @ 1,925'.

02/04/61: MILLED CSG FR/6,558' - 6,567'. JET CUT NOTCHES @ 6,561' & 6,565'. BD FMT @ 2.5
BPM & 2,200 PSIG.

02/05/61: FRAC'D DK w/80,300 GALS WTR & 30,000[#] SD. WTR TREATED w/2% CaCl₂ & 20[#]
WAC-8/1,000 GALS WTR. AIR 35 BPM @ 3,250 PSIG. ISIP 1,650 PSIG & 5" SIP 1,500
PSIG. TIH w/TBG & CO TO 6,625' (PBTD).

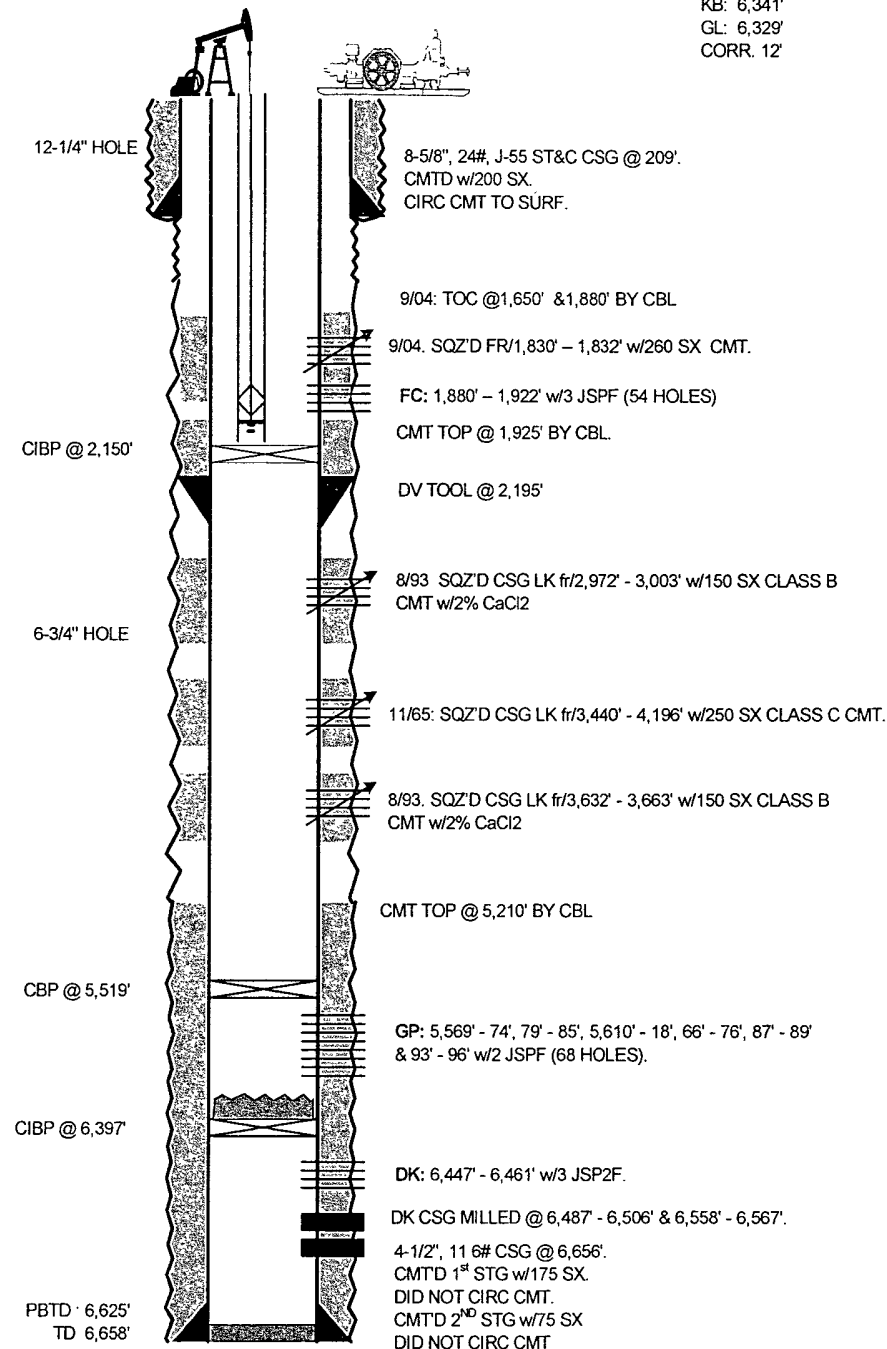
02/06/61: FCP 400 PSIG & 2,310 MCFPD. SET BP @ 6,539'. PT BP, HELD OK.

02/07/61: MILLED CSG FR/6,487' - 6,505' 5". JET CUT NOTCHES @ 6,490', 6,494.5' & 6,498'.

02/08/61: FRAC'D DK w/10,500 GALS PAD WTR @ 34.3 BPM & 3,200 PSIG FOLLOWED BY
11,300[#] 20/40 SD @ 1/2 - 3/4 PPG (36 BPM & 2,700 PSIG) FOLLOWED BY 1,500[#] 12-20
WALNUT HULLS @ 1/4 PPG (36 BPM & 2,600 PSIG) FOLLOWED BY 1,000[#] 8-12
WALNUT HULLS @ 1/2 PPG (36 BPM & 2,500 PSIG). ISIP 1,750 PSIG & 5" SIP 1,475
PSIG. TIH w/GUIBERSON TOP DRILLABLE BP. PLUG HANGING UP @ 4,600'. TOH
w/BP. TIH w/TBG & BIT TO CO. TIH w/BP & WOULD NOT SET. TOH w/BP. REP BP
w/BAKER MAGNESIUM DRILLABLE BP & SET @ 6,475'. PT BP & CSG TO 3,500 PSIG,
HELD OK. PERF'D DK FR/6,447' - 6,461' w/3 JSP2F. BD PERFS @ 4,400 PSIG.
FRAC'D DK w/27,900 GALS WTR & 10,000[#] 20/40 SD. STD @ 1/4 PPG (30 BPM &
4,400 PSIG), 1/2 PPG (30 BPM & 3,250 PSIG) & 3/4 PPG (30 BPM & 3,250 PSIG).
FLUSHED w/4,700 GALS WTR @ 30 BPM & 3,250 PSIG. ISIP 1,750 PSIG & 5" SIP
1,475 PSIG.

02/09/61: DO BAKER BP @ 6,475' & CO TO GUIBERSON BP @ 6,539'.

02/11/61: TIH W/PKR & SET @ 6,476'. SWB 3.5 HRS & WELL STD FLWG w/A SMALL STREAM
OF WTR & 734 MCFPD (PITOT TUBE MEAS). FTP 10 PSIG, SICP 134 PSIG. REL



PKR. PPD EMULSION BREAKING TREATMENT w/1,095 GALS #1 DIESEL FUEL & 40 GALS HI-FLO. PPD 25 BBLS DWN TBG w/CSG OPEN. SET PKR & PPD 2 BBLS OF MIXTURE FOLLOWED BY 25 BW. AIR 1/2 BPM @ 2,000 PSIG. SI FOR 4 25 HRS.

02/12/61: SWB WELL 5 HRS. WELL FLOWED SMALL AMT OF WTR w/WET GAS. EST 500 MCFPD. FRAC'D DWN 4-1/2" CSG w/54,600 GALS WTR & 37,500# SD (1/4 - 1-1/2 PPG). ATP 3,000 PSIG @ 32 BPM UNTIL PMP STUCK & RATE DECRD TO 26 BPM. FLUSHED w/4,200 GALS. ISIP 1,750 PSIG & 5" SIP 1,400 PSIG. F. 2" STREAM OF WTR w/HVY SD. SI CSG. PRESS BUILT UP RAPIDLY TO 500 PSIG. OPENED VLV SLIGHTLY & FLWD @ 300 PSIG w/SOME SD & WALNUT HULLS. SI TO PUT ON CK. WELL FLWG 2" STREAM OF WTR @ 210 PSIG & EST 1.5 BPM w/SD & HULLS. TIH w/TBG & BIT. TGD FILL @ 6,501'. DO BP @ 6,539' & CO TO BTM. LANDED TBG (DOES NOT SPECIFY DEPTH).

03/19/61: IPF. 47 BO, 2 BW, 2,190 MCF, FTP 600 PSIG, SICP 700 PSIG, 3/8" CK, 24 HRS.

11/17/65: RAN CSG INSPECTION LOG FR/6,450' - 182'. POSSIBLE CSG LKS fr/2,800' - 4,685'. SET BP @ 6,350'. WOULD NOT PT. SET BP @ 6,260'. FOUND CSG LKS fr/3,440'-4,196'. SQZ'D w/250 SX CL "C" CMT. TGD CMT @ 3,389'. DO CMT & TIH W/BIT TO 4,363'. PT CSG TO 1,150 PSIG, HELD OK. DO CMT STRINGERS fr/4,464' - 4,489'. PT CSG TO 1,000 PSIG, HELD OK. DO BP'S @ 6,260' & 6,350'. CIRC HOLE CLEAN @ 6,595'. RIH w/206 JTS TBG. RWTP.

01/17/69: TGD FILL @ 6,595'. RIH w/MODEL "G" PKR & SET @ 6,425' w/14,000# PTS. FILLED TCA w/PKR FLUID & PT TCA TO 200 PSIG.

08/04/93: RELD PKR. TOH w/TBG & PKR. TIH w/CSG SCRAPER TO 6,400'.

08/05/93: RAN GR LOG fr/6,050' - 5,000'. SET RBP @ 6,000' & CAPPED w/20' OF SD. TIH w/RBP & PKR. SET RBP @ 4,033'. ISOLATED CSG LKS FR/3,632' - 3,663'. EIR @ 1/4 BPM & 1,100 PSIG. ISOLATED CSG LKS FR/2,972' - 3,003'. EIR @ 1/2 BPM & 1,200 PSIG. DUMPED 2 SX SD ON RBP.

08/06/93: SET CMT RTNR @ 3,500'. SQZ'D CSG LK fr/3,632' - 3,663' w/150 SX CL "B" CMT w/2% CaCl₂. AIR 2 BPM @ 1,600 PSIG. REV CIRC TBG CLEAN. SET PKR @ 2,538'. SQZ'D CSG LK fr/2,972' - 3,003' w/150 SX CL "B" CMT w/2% CaCl₂.

08/07/93: DO X-HARD CMT IN 7 HRS. PT CSG TO 1,100 PSIG FOR 15", HELD OK.

08/08/93: DRLD 4 HRS & UNABLE TO DO CMT RTNR @ 3,500'.

08/10/93: TIH w/MILL, DC's & TBG. DO CMT RTNR @ 3,500'. TIH & CO SD ON RBP @ 4,033'.

08/13/93: RIH & LATCHED ONTO RBP & RLSD. RAN GR/CBL/CCL. PERF UPR GP @ 5,569' - 74', 5,579' - 85', 5,610' - 18', 5,666' - 76', 5,687' - 89' & 5,693' - 96' w/2 JSPF (68 HOLES).

08/14/93: BD UPR GP @ 4,000 PSIG. A. w/2,500 GALS 15% AC w/102 BS. AIR 3.5 BPM @ 1,400 PSIG. ISIP 800 PSIG & 15" SIP 750 PSIG. SWB WELL DRY IN 7 RUNS w/GAS ON 7TH RUN.

08/15/93: FRAC UPR GP w/52,590 GALS, 70Q, N2 FOAM & 127,000# 20/40 BRADY SD (119,000# SD IN FMT). SCREENED OUT @ 7,300 PSIG w/6 PPG PPG ON FMT. PRO-TECHNICS TGD FRAC.

08/17/93: CO SD FILL.

08/18/93: RAN TRACER LOG. TIH w/BPMA, 4' PS, SN, TAC & TBG STRG. SN @ 5,633'. TAC @ 5,444'.

08/27/93: RIH w/PMP & RODS.

11/30/01: TOH w/TBG & FOUND IN POOR CONDITION. REPLD 50 COLLARS. TGD SD w/SD LINE @ 5,891'. TIH w/CSG SCRAPER. TGD SD @ 5,807'. TIH w/PKR & TBG. SET PKR @ 5,500'.

12/01/01: PT TBG TO 500 PSIG. COLLARS LEAKING. UNABLE TO TST. TIH w/RBP RETR HEAD & TBG. TGD FILL @ 5,807'. CO FILL w/AFU TO 5,885' REC MOSTLY SC & SOME SD.

12/02/01: CO SD w/AFU TO 5,980'. FOUND BS.

12/04/01: CO 25 BS. TIH w/HALLIBURTON & CUT OVER BS. LATCH ONTO RBP & POH.

12/05/01: RIH w/GR & CCL. TGD FL @ 4,090' FS. RIH w/EZ DRILL CIBP & SET @ 6,397'. DMP BL 50' OF CMT ON TOP OF CIBP. RIH w/ FAST DRILL CBP & SET @ 5,519'.

12/06/01: TIH w/PKR & TBG. SET PKR @ 5,510'. PT CBP TO 500 PSIG & LEAKED OFF @ 50 PSIG/MIN. MOVED PKR UP & DWN HOLE, UNABLE TO TST CSG TO 500 PSIG. ROLLED HOLE W/PKR FLUID. WELL IS TA'D.

05/06/04: PT CSG TO 500 PSIG. PRESS DECRD TO 260 PSIG IN 30".

08/26/04: PU & TIH W/3-7/8" BIT, 4-1/2" CSG SCRAPER TO 2,592'. TOH W/TBG & BHA.

08/27/04: MIRU WL TRK RAN GR/CCL/RLS LOG FR/1,000' - 2,500'. TIH W/4-1/2" CIBP. SET CIBP @ 2,150'. PT CSG TO 500 PSIG FOR 10". HELD OK. RLSD PRESS. TOH W/TBG. PERFD 6 SQZ HOLES @ 1,880' & 1,882' W/BH CSG GUN (0.50" DIA, 3" PEN). POH W/BH CSG GUN. RDMO WL TRK TIH W/4-1/2" PKR. SET PKR @ 2,115'. PT CIBP TO 1,800 PSIG FOR 5". HELD OK. RLSD PRESS. RLSD PKR. POH & LD 9 JTS TBG. SET PKR @ 1,815'. PPD DWN TBG W/75 BPW @ 2.5 BPM & 950 PSIG W/NO RETS. SD. RLSD PKR. TOH W/56 JTS TBG & PKR. TIH W/4-1/2" CMT RET & 56 JTS TBG. SET CMT RETR @ 1,820'. POH & LD 1 JT TBG.

08/28/04: STING INTO CMT RETR. PPD DWN TBG W/10 BBLS CACL2 @ 1.9 BPM & 770 PSIG, 5 BFW @ 2.0 BPM & 980 PSIG, 10 BBLS FLOW GUARD @ 2.0 BPM & 1,000 PSIG, 69 BBLS TYPE III CMT (150 SX) & 19 BBLS TYPE III CMT (75 SX). WELL PRESSURED UP W/NO RETNS TO SURF. PLD OUT OF CMT RETR. REV'D & CO CMT FR/TBG. TOH W/TBG. WOC.

08/31/04: TIH W/3-7/8" BIT. TGD TOC @ 1,810' (10' CMT). DO CMT FR/1,810' - 1,820' (CMT RETR). DO CMT RETR. DO CMT FR/1,822' - 1,902' & FELL THRU. EOT @ 2,145'. CIRC WELL. TOH W/TBG & BHA.

09/01/04: RAN GR/CCL/CBL LOGS FR/2,150' TO SURF. TOC @ 1,850'. PERFD 6 SQZ HOLES @ 1,830' & 1,832' W/BH CSG GUN (0.50" DIA. & 3" PENE). TIH W/4-1/2" PKR. SET PKR @ 1,799'. PPD DWN TBG W/15 BFW @ 0.5 BPM & 2,000 PSIG. OPEN PKR BYPASS & SPTD 100 GALS 7-1/2% NEFE HCL AC. CLOSED PKR BY-PASS. BD PERFS @ 2,500 PSIG & 1.0 BPM. EIR W/80 BFW @ 3.1 BPM & 1,500 PSIG W/NO RETRS. HAD BLOW OUT CSG VLV. SD. RLSD PKR. TOH W/55 JTS TBG & PKR. TIH W/4-1/2" CMT RETR & 55 JTS TBG. SET RET @ 1,799'. TOH & LD 1 JT TBG. PPD DWN TBG & CIRC WELL 15" PU & TIH W/1 JT TBG. STING INTO CMT RETR. PPD DWN TBG W/5 BFW @ 2.0 BPM & 1,680 PSIG, 10 BBLS CACL2 @ 2.1 BPM & 1,690 PSIG, 5 BFW @ 2.0 BPM & 1,220 PSIG, 10 BBLS FLOW GUARD @ 2.0 BPM & 1,240 PSIG, 5 BFW @ 2.1 BPM & 1,210 PSIG, 14.5 BBLS (25 SX) PREMIUM LITE HS @ 2.2 BPM & 1,070 PSIG, 88.3 BBLS (235 SX) PREMIUM CMT @ 3.0 BPM & 1,990 PSIG. FLSD W/6.9 BFW @ 1.7 BPM & 1,240 PSIG. ISIP 1,100 PSIG. STING OUT OF CMT RETR. REV CIRC CMT FR/TBG. TOH W/55 JTS TBG. SD. WOC.

09/02/04: RAN GR/CCL/CBL LOGS FR/1,790' TO SURF. TOC EST @ 1,650'. POH W/WL. TIH W/4 - 3-1/8" DCS & 20 JTS 2-3/8" TBG. TOH W/DCS. TIH W/NC, SN & 54 JTS TBG. SN @ 1,762' & EOT @ 1,763'.

09/10/04: TOH W/2-3/8" TBG & BHA. TIH W/3-7/8" BIT. TGD BTM @ 1,799' (CMT RETR). DO CMT RETR @ 1,799'. DO CMT FR/1,802' - 1,832'.

09/11/04: DO CMT FR/1,832' - 1,904' BTM OF CMT. TGD BTM @ 2,150' (PBD). TOH W/TBG & BHA. PERFD LWR FC FR/1,922' - 1,916', 1,907' - 1,905', 1,890' - 1,886' & 1,882' - 1,880' W/3 JSPF (54 HOLES). TIH W/4-1/2" PKR, 2 JTS 2-3/8" N-80 TBG, XO, 53 JTS 2-7/8" BUTTRESS TBG, XO & STINGER FRAC VLV. SET PKR @ 1,714' W/3 PTS COMP. NU FRAC VLV. PT CSG TO 500 PSIG FOR 10". HELD OK. PPD DWN TBG & BD PERFS @ 1,343 PSIG & 1.3 BPM. EIR @ 7.3 BPM & 2,025 PSIG. A. W/500 GALS 15% NEFE HCL AC & 81 BIO-BALLS. FLSD W/25 BFW. AIR @ 9.2 BPM & 2,395 PSIG ISIP 934 PSIG, 5" SIP 376 PSIG, 10" SIP 213 PSIG & 15" SIP 118 PSIG.

09/23/04: LOADED TBG W/949 GALS 20# LINEAR GEL. PPD DWN 2-7/8" TBG W/4,088 GALS 20# LINEAR GEL WTR FOR STEP RATE TST. AIR 17.1 BPM. ATP 2,505 PSIG. SD ISIP 1,313 PSIG. FRACD FC DWN 2-7/8" TBG W/101,109 GALS (SLURRY VOL) DELTA 140 FRAC FLU (20# BORATE XL GELLED FW) CARRYING 157,998# SD CT W/SANDWEDGE & SANDWEDGE NT (4,673# 40/70 AZ SD, 109,456# 20/40 BRADY SD, 43,869# 16/30 BRADY SD). FLSD W/454 GALS LINEAR GEL. MAX SD CONC 4.43 PPG. MAX TP 3,834 PSIG. AIR 30.4 BPM. ATP 2,393 PSIG. ISIP 1,256 PSIG. 5" SIP 1,109 PSIG. 10" SIP 1,077 PSIG. 15" SIP 1,051 PSIG.

09/24/04: SET NEW LUFKIN CHURCHILL 50-89-54.

09/28/04 MIRU PU. RLSD PKR @ 1,714'. TOH W/TBG & PKR. TIH W/PMP BLR & 63 JTS TBG. TGD BTM @ 2,029'. CO FILL FR/2,029' TO 2,060'. TOH W/TBG & PMP BLR.

09/29/04 TIH W/PMP BLR. TGD BTM @ 2,060'. PMP BLR WOULD NOT WRK. TOH W/PMP BLR. TIH W/PMP BLR. PMP BLR WOULD NOT WRK. TOH W/PMP BLR. CHNGD OUT BLRS. TIH W/PMP BLR. CO FILL FR/2,060' - 2,150' (PBD). TOH W/PMP BLR. TIH W/NC, SN & 60 JTS 2-3/8" TBG. SN @ 2,000' RU SWB. BFL @ 1,200' FS. S. 0 BO, 21 BLW, 1.5 HRS, 11 RUNS. FFL @ 1,750'. RD SWB.

09/30/04 RU SWB. BFL @ 1,500' FS. S. 0 BO, 7 BLW, 1 HR, 5 RUNS. FFL @ 1,800' FS. RD SWB. TGD BTM @ 2,150'. TOH W/TBG, SN & NC. TIH W/2-3/8" X 31' OEMA, SN & 58 JTS 2-3/8" TBG. SN @ 1,937' & EOT @ 1,970'. TIH 2" X 1-1/2" X 8' RWAC-Z (DV) PMP W/1" X 1' STNR NIP, SPIRAL ROD GUIDE, RHBO TL, 1" X 1' LS, 77 - 3/4" GRADE "D" NORRIS RODS & 1-1/4" X 16' PR W/8' PR LINER.

10/08/04 SET NEW SCS WH SCREW (CAT 3306, 2 STG).

10/29/04 PREP COMPR FOR ST UP. PTP 0 PSIG, SICP 70 PSIG. STD NEW SCS WH SCREW COMPR (CAT 3306, 2 STG, XTO DIST TOOL SJB #1989) & 1ST DELV GAS SALES TO EPFS 10/28/04. INIT RATE 20 MCFPD.

12/14/04 DISCONN & HAUL WH SCREW COMPR (CAT 3306, 2 STG).

04/06/06 STD SOONER WH RECIP COMPR (KOHLER 25 HP, 2 STG, D 97 CURTIS COMPR).

04/10/06 COMPR DWN. ENTERPRISE SI FOR HIGH OXYGEN & WTR LEVEL.

12/23/06 BO RHBO TL. TOH W/RODS. RU SWB TLS. BFL 300' FS. S. 0 BO, 6 BPW, 2 RUNS, 1 HRS, FFL 1800' FS. FTP 0 PSIG. SICP 35 PSIG. BLK FLD SMPL W/NO SOLIDS. RD SWB TLS. ND WH. NU BOP. PU & TIH W/5 JT 2-3/8" TBG. TGD @ 2,150' (PBD). TOH & LD 5 JT 2-3/8" TBG.

12/28/06 TOH W/TBG, SN & PMP. RECD PMP. FOUND PMP STK OPN, PMP BBL OD W/MED SC, B & S & OD STNR NIP W/MED SC, PMP CAGES W/LT CORR, STNR NIP OD W/LT COAL FNS. TIH W/OEMA W/1/4" WEEP HOLE, SN & 58 JTS TBG. TOH W/58 JTS TBG, SN (SV) & OEMA. RETR SV. TIH W/OEMA, SN & 58 JTS TBG. RU SWB TLS. BFL SURF. S. 0 BO, 8 BLW, 3 RUNS, 1 HRS, FFL 1,950' FS. LT BRN FLD SMPL W/NO SOLIDS. RD SWB TLS. SITP 0 PSIG. SICP 80 PSIG. SN @ 1,926'. EOT @ 1,958'. PBD @ 2,150'. TIH W/2" X 1-1/2" X 8' RWAC-Z (DV) PMP, 1" X 1' STNR NIP, RHBO TL, SPIRAL ROD GUIDE, 1" X 1' LS, 77 - 3/4" RODS & 1-1/4" X 16' PR W/8' LNR.

Bolack #4 **Proposed P&A**

Basin Fruitland Coal / Undesignated Gallup

790' FNL, 790' FEL, Section 28, T-27-N, R-11-W

San Juan County, NM, API #30-045-06306

36.55110 N Lat, 108.00221 W Long.

Today's Date: 8/4/08

Spud. 1/17/61

DK Comp: 2/14/61

GI Comp: 8/26/93

FtC Comp: 10/8/04

Elevation. 6329' GL
6341' KB

12.25" hole

Ojo Alamo @ 821'

Kirtland @ 964'

Fruitland @ 1663'

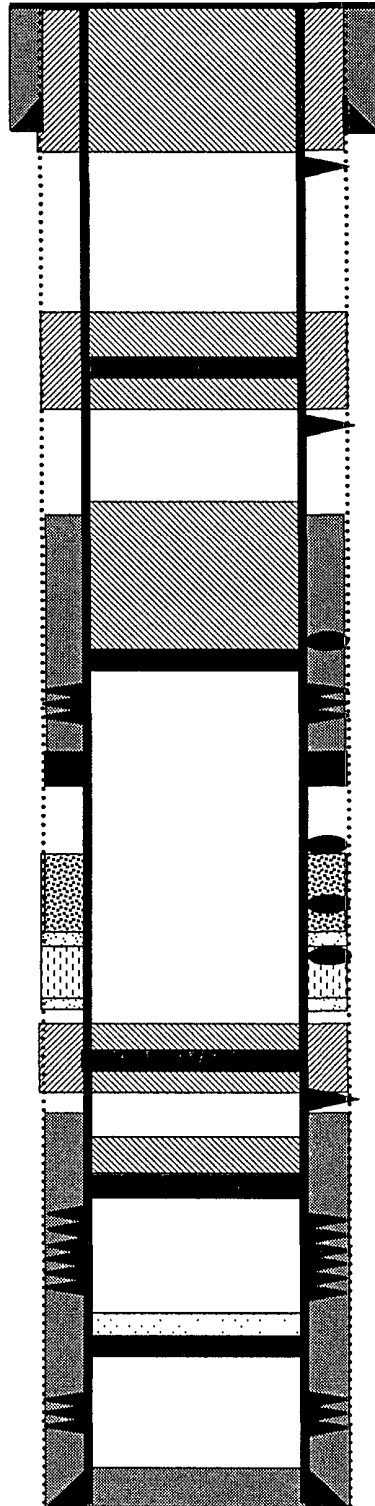
Pictured Cliffs @ 1878'

Mesaverde @ 4301'

Gallup @ 5474'

Dakota @ 6487'

6.75" hole



8.625" 24#, J-55 Casing set @ 209'
Cement with 200 sxs, circulated

Perforate @ 259'

Plug #5: 259' - 0'
Class G cement, 80 sxs

Cement Retainer @ 964'

Perforate @ 1014'

Plug #4: 1014' - 771'
Class G cement, 82 sxs:
23 inside and 59 outside

TOC @ 1650' (2004 CBL)

Plug #3: 1830' - 1613'
Class G cement, 21 sxs

Sqz'd casing leak 1830' - 1832'
w/260 sxs (2004)

CIBP set at 1830'
Fruitland Coal Perforations.
1880' - 1922'

DV Tool at 2195'
2nd Stage: Cement with 75 sxs

Sqz'd casing leak 2972' - 3003'
w/150 sxs (1993)

Sqz'd casing leak 3440' - 4196'
w/250 sxs (1965)

Sqz'd casing leak 3632' to 3663'
w/150 sxs (1993)

Set CR @ 4301'

Perforate @ 4351'

Plug #2: 4351' - 4251'
Class G cement, 37 sxs:
12 inside and 25 outside

TOC @ 5210' (1993 CBL)

Set CIBP @ 5519' (2001)

Plug #1: 5519' - 5419'
Class G cement, 12 sxs

Gallup Perforations:
5569' - 5696'

Set CIBP @ 6397', w/50'
cement (2001)

Dakota Perforations:
6447' - 6461'
DK casing milled 6487' - 6567'

4.5" 11.6#, Casing set @ 6656'
1st Stage: Cement with 175 sxs

TD 6658'
PBTD 2150'

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 4 Bolack

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Place the Mesaverde plug from 2889' – 2789'.
 - b) Place the Pictured Cliffs/Fruitland plug from 1830' - 1548'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.