Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 01 2009
Bureau of Land Management
Farmington Field Office

FORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

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

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)*
1010' FNL & 1920' FWL NENW Sec.22(C)-T25N-R10W N.M.P.M.

5 Lease Serial No
NO-G-0503-1724

6 If Indian, Allottee or Tribe Name
NAVAJO ~~NATION~~ Allotted

7 If Unit or CA/Agreement, Name and/or No
NMNM-122005 (DK)

8 Well Name and No
IRISH #1

9. API Well No
30-045-34140

10 Field and Pool, or Exploratory Area
BASIN DAKOTA

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	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☒ Other PLUG BACK DK & RECOMPLETE FC
	☐ 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 recomplete 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 recompletion 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 plug back the Basin Dakota zone of this well and recomplete the Basin Fruitland Coal per the attached procedure, FC C102 and current wellbore diagram.

RCVD MAY 5 '09
OIL CONS. DIV.
DIST. 3

14 I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* DOLENA JOHNSON
Title REGULATORY COMPLIANCE TECHNICIAN

Signature Dolena Johnson
Date 04/30/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason
Title
Date MAY 05 2009

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

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

RNL _____
TJF _____
DLC _____

Irish #1
Unit C, Sec 22, T 25 N, R 10 W
San Juan County, New Mexico

P&A Dakota & Recomplete Fruitland Coal

SURF CSG: 8-5/8", 24#, J-55, ST&C CSG @ 375'. CIRC CMT TO SURF.

PROD CSG: 5-1/2", 15.5#, J-55, LT&C CSG @ 6,648'. STAGE TL @ 4,023'. PBTD @ 6,602'. DRIFT = 4.825".
CAPACITY = 0.0238 BBLS/FT (0.1336 CUFT/FT).
BURST = 4,810 PSI (TREATING @ 80% = 3,850 PSI)

CEMENT: 1ST STAGE W/455 SX PERM LITE CMT. CIRC 50 SX SURF. 2ND STAGE W/515 SX PERM LITE CMT. CIRC 40 BBLS TO SURF.

TBG: 30' OEMA, SN, 7 JTS 2-3/8" TBG, 5-1/2" BAKER TAC, & 184 JTS 2-3/8" TBG. TAC@ 6,061', SN @ 6,294', EOT @ 6,325'.

PERFS: DAKOTA – 6,178'-6,261' (28 HOLES) W/2 JSPF

AFE/WELL# DK – 902282 / 77876
FC – 902283 / 96951

Workover Procedure

Note: All cement volumes use 100% excess outside pipe or 50' excess inside pipe, whichever is greater. The stabilizing wellbore fluid will be 9.0 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G or equivalent, mixed at 15.6 ppg with a 1.25 cf/sx yield.

1) **CONTACT BLM/New Mexico OCD PRIOR TO CEMENTING OPERATIONS.**

2) Install and test rig anchors. Comply with all New Mexico OCD, BLM and XTO safety rules and regulations. Conduct safety meeting for all personnel on location. MIRU daylight pulling unit.

3) ND WH. NU BOP and test the BOP.

4) TOH with BHA. LD TAC.

5) TIH with 5-1/2" CICR, squeeze tool, and 2-3/8" tbg. Set CICR @ 6,070' (Collars @ 6,098' & 6,053'). Pressure test CICR to 200 psig.

6) RU cmt equipment.

7) **Plug #1 (5,965'-6,261'):** Mix 30 sx cement and pump a 200' plug below cement retainer. Mix 11 sx cement and spot a 105' plug to cap the CICR. **[DK - 6,160', GRN HRN – 6,065']**

8) TOH with 1 stand of tbg. Roll hole with 9.0 ppg corrosion inhibited water. TOH to 4,460'.

5204 5004

9) **Plug #2 (~~4,260'-4,460'~~):** Spot a 200' balanced plug by mixing 25 sx cement. Pick up and reverse tbg clean. TOH with BHA. **[~~MC~~ – ~~4,360'~~]**
Ga 5154

10) TOH with 1 stand of tbg. Roll hole with 9.0 ppg corrosion inhibited water. TOH to 3,300'.
2580 2360

11) **Plug #4 (~~3,080'-3,300~~):** Spot a 220' balanced plug by mixing 26 sx cement. Pick up and reverse tbg clean. TOH with BHA. **[MV – ~~3,181'~~]**
2530 (La Ventana ss)

12) WOC at least 24 hrs.

13) TIH w/4-3/4" bit, bit sub, scraper and 2-3/8" tubing. CO to TOC @ +/- 3,080' (New PBTD). TOH w/BHA.

14) Pressure test casing to 3,850 psig. Release pressure.

15) ND BOP. NU frac valve.

16) RDMO PU.

17) MI 4 - 400 bbl frac tanks and 1 flow back tank. Fill the frac tanks with fresh water w/additives.

18) MIRU wireline and mast truck. RU full lubricator.

19) Perf Fruitland Coal with 3-1/8" csg gun with 3 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, ttl 31 holes). POH with csg gun.

PERF INTERVAL	CCL
1,630'-1,640'	

20) RU frac equipment. BD perfs with fresh water and EIR. Acidize Fruitland Coal perfs with 1,000 gals of 7.5% NEFE HCl acid and 50 - 1.1 SG RCBS at 12 BPM down 5-1/2" csg. Flush with 1,765 gals fresh water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. RIH w/junk basket.

21) Frac Fruitland Coal perfs fr/1,628'-1,639' down 5-1/2" casing at 35 BPM. Pump 51,000 gals Delta 140 frac fluid (20# Borate XL gelled FW) w/79,000 lbs 20/40 BASF proppant coated with Sandwedge LT & NT. Flush 1 bbl short of top perf with 1,584 linear gel. Record ISIP & 5" SIP.

Stage 1	Volume	Fluid	Prop Conc.	Stg Proppant
1 – Acid	1,000 gals	15% NEFE HCL Acid	-	-
2 – Flush	1,765 gals	Fresh Water	-	-
3 – Pad	10,000 gals	Delta 140 XL gel	-	-
4 – Proppant Laden Fluid	8,000 gals	Delta 140 XL gel w/SW LT	0.5 lbm/gal	4,000# 40/70 BASF
5 – Proppant Laden Fluid	10,000 gals	Delta 140 XL gel w/SW LT	1.0 lbm/gal	10,000# 20/40 BASF
6 – Proppant Laden Fluid	10,000 gals	Delta 140 XL gel w/SW LT	2.0 lbm/gal	20,000# 20/40 BASF
7 – Proppant Laden Fluid	7,000 gals	Delta 140 XL gel w/SW NT	3.0 lbm/gal	21,000# 20/40 BASF
8 – Proppant Laden Fluid	6,000 gals	Delta 140 XL gel w/SW NT	4.0 lbm/gal	24,000# 16/30 BASF
9 – Flush	1,584 gals	Linear gel		
51,000 gals 20# Delta 140 XL frac fluid				**79,000# BASF**

22) RIH full lubricator. RIH w/5-1/2" CBP. Set plug @ 1,610' (Collars @ 1,648' & 1,604'). Load hole w/FW & PT plug to 3,000 psig for 5". POH w/WL.

23) Perf Fruitland Coal with 3-1/8" csg gun with 3 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, ttl 21 holes). POH with csg gun.

PERF INTERVAL	CCL
1,570-1,572'	
1,496'-1,498'	
1,446'-1,448'	

24) BD FC perfs with fresh water and EIR. Acidize Fruitland Coal perfs with 1,000 gals of 7.5% NEFE HCl acid and 40 - 1.1 SG RCBS at 12 BPM down 5-1/2" csg. Flush with 1,700 gals fresh water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. RIH w/junk basket.

25) Frac Fruitland Coal perfs fr/1,446'-1,572' down 5-1/2" casing at 30 BPM. Pump 36,000 gals Delta 140 frac fluid (20# Borate XL gelled FW) w/45,000 lbs 20/40 BASF proppant coated with Sandwedge LT & NT. Flush 1 bbl short of top perf with 1,403 linear gel. Record ISIP & 5" SIP.

Stage 1	Volume	Fluid	Prop Conc.	Stg Proppant
1 – Acid	1,000 gals	15% NEFE HCL Acid	-	-
2 – Flush	1,700 gals	Fresh Water	-	-
3 – Pad	8,000 gals	Delta 140 XL gel	-	-
4 – Proppant Laden Fluid	6,000 gals	Delta 140 XL gel w/SW LT	0.5 lbm/gal	3,000# 40/70 BASF
5 – Proppant Laden Fluid	8,000 gals	Delta 140 XL gel w/SW LT	1.0 lbm/gal	8,000# 20/40 BASF
6 – Proppant Laden Fluid	8,000 gals	Delta 140 XL gel w/SW LT	2.0 lbm/gal	16,000# 20/40 BASF
7 – Proppant Laden Fluid	6,000 gals	Delta 140 XL gel w/SW NT	3.0 lbm/gal	18,000# 20/40 BASF
8 – Flush	1,403 gals	Linear gel		
36,000 gals 20# Delta 140 XL frac fluid				**45,000# BASF**

26) Install flowback manifold. Flowback well thru a choke manifold to flowback tank. Start with an 8/64" choke. Increase choke size as appropriate. Record the final shut in pressure to be used for the C-104.

27) MIRU PU. ND frac valve. NU BOP.

28) TIH w/4-3/4" bit, bit sub, and 2-3/8" tubing. CO to CBP (1,610'). DO CBP @ 1,610'. CO to 3,080' (PBTD). Circulate wellbore clean. TOH w/tbg & bit.

29) Set a new Churchill 50-89-54 pumping unit with a C-46 gas engine (*or equivalent*) & cement base.

30) Set unit in crank hole & sheave meter so it will pump @ 3 x 54" spm. SRod run attached.

31) TIH with tubing BHA as follows:
   a) 1 - 2-3/8" jt w/1/2" vent hole located 1' from top
   b) 2-3/8" (1.78" ID) API SN
   c) ±49 jts - 2-3/8" tubing to surface, EOT @ 1,680', SN @ 1,650'.

32) Swab well until clean fluid is obtained.

33) ND BOP. NU WH.

34) TIH with rod assembly as follows:
   a) 2" x 1-1/2" x 10' x 2' RWAC
   b) 3/4" x 4' Guided Rod Sub w/mold-on guides
   c) 3/4" – 21,000 lb HF Shear Tool
   d) 2 – 1-1/4" API K Sinker Bars
   e) 14 – 3/4" API D Molded Guide Rods w/T-couplings
   f) 50 – 3/4" API D Rods w/T-couplings
   g) 1-1/4" x 16' Polished Rod w/8' liner

35) Space out pump with spacer subs. Load tubing and long stroke with rig to ensure pump action. HWO.

36) RDMO PU.

37) Gauge tanks. Shoot FL and run dynamometer during pumping unit startup. Start well pumping at 3 SPM and 54" SL for 24 hours. Check fluid level and tank gauges.

38) Report pre and post start up data to Ryan Lavergne.

Regulatory:

1. Acquire approval from BLM/New Mexico OCD to P&A Dakota
2. Acquire approval to recomplete to the Fruitland Coal
3. Acquire approval of C-144

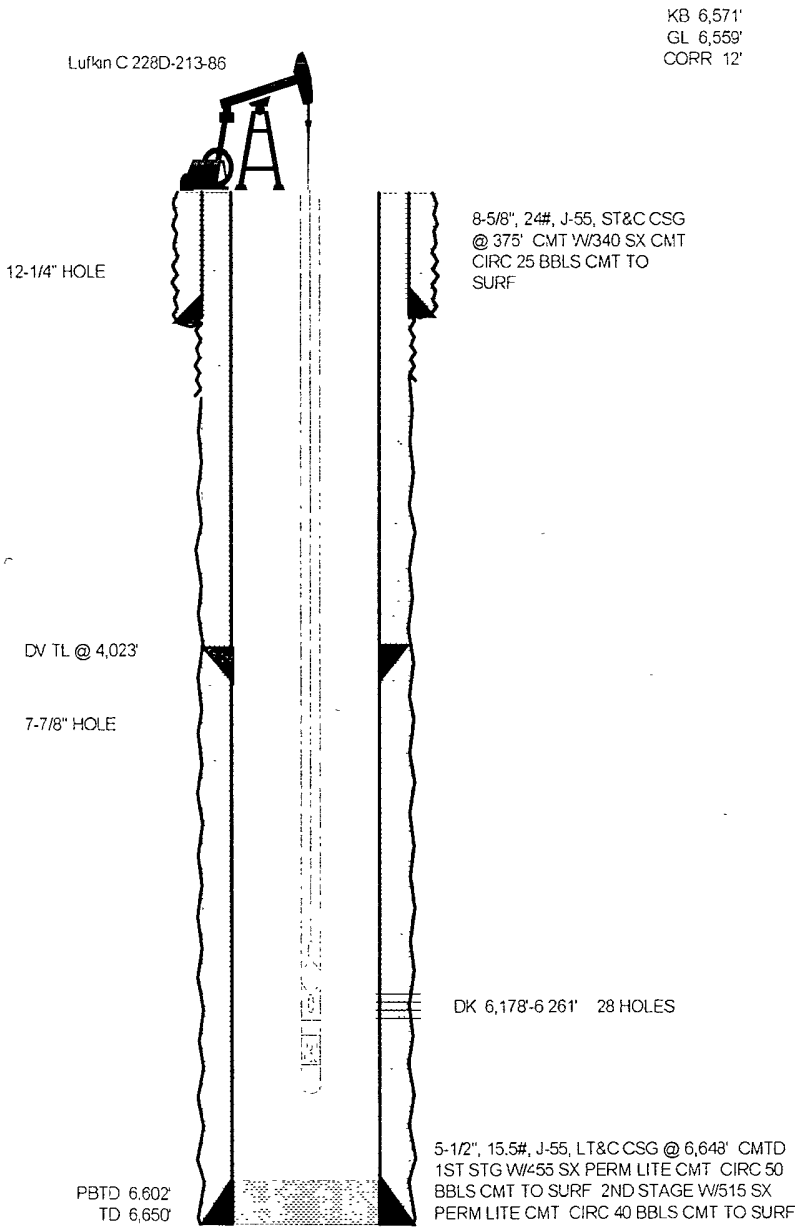
Equipment:

- 4-3/4" bit & bit sub
- 1 – 5-1/2" Cast Iron Cement Retainers
- 1 – 5-1/2" Cast Iron Bridge Plug
- 1 – 5-1/2" Composite Bridge plug
- Churchill 50-89-54 Pumping Unit

Rods

- 2" x 1-1/2" x 10' x 2' RWAC
- 3/4" x 4' Guided Rod Sub w/mold-on guides
- 3/4" – 21,000 lb HF Shear Tool
- 2 – 1-1/4" API K Sinker Bars
- 14 – 3/4" API D Molded Guide Rods w/T-couplings
- 50 – 3/4" API D Rods w/T-couplings
- 1-1/4" x 16' Polished Rod w/8'liner

IRISH #1
Wellbore Diagram



DATA

LOCATION: 1,010' FNL & 1,920' FWL, UNIT C, SEC 22, T 25 N, R 10 W
COUNTY/STATE: SAN JUAN, COUNTY, NEW MEXICO
FIELD: BASIN DAKOTA
FORMATION: DAKOTA
FED LEASE #: NO-G-0503-1724 API #: 30-045-34140 XTO WELL #:
SPUD DATE: 12/02/07 COMPLETION DATE:
IP:
PERFS:
TBG:
RODS & PMP:
PPG UT:
PRODUCTION METHOD:

HISTORY

12/02/07: AZTEC WELL SERVICE RIG 124 SPUDDED 12-1/4" HOLE FOR XTO ENERGY
12/03/07: TD 12-1/4" HOLE @ 385' SET 8-5/8", 24#, J-55, STC CSG @ 375'. CMT'D W/340 SX TYPE III CMT W/2% CACL2 & 1/4 PPS CELLOFLAKE (14 6 PPG, 1.39 CUFT/SX). CIRC 25 BBLS CMT TO SURF.
12/09/07: CUT & RETRIEVE 4 CORES FR/4,020'-4,118'. REC COAL, SHALE & SANDSTONE.
12/13/07: TD 7-7/8" HOLE @ 6,650'.
12/14/07: RAN SCHLUMBERGER PLATFORM EXPRESS OH LOGS.
12/15/07: SET 5-1/2", 15 5#, J-55 ST&C CSG @ 6.648' DV TOOL @ 4.023'. FC @ 6,602'. MARKER JTS 5,009'-5,024' & 6,096'-6,111' CMT'D 1ST STG W/ 305 SX PERM LITE CMT W/8% BENTONITE, 0 5% CD-32, 0.9% FL-52, 2% PHENO SEAL & 2 % SODIUM METASILICATE (12 1 PPG, 2 10 CUFT/SX) TAILED IN W/150 SX PREM LITE CMT W/0.2% CD-32, 9% FL-52 & 2% PHENO SEAL (12.5 PPG, 1 9 CUFT/SX). CIRC 50 BBLS CMT TO SURF CMT'D 2ND STG W/450 SX PERM LITE CMT W/8% BENTONITE, 0 5% CD-32, 0 9% FL-52, 2% PHENO SEAL & 2 % SODIUM METASILICATE (12 1 PPG, 2 10 CUFT/SX) TAILED IN W/100 SX PREM LITE CMT W/0 2% CD-32, 9% FL-52 & 2% PHENO SEAL (12.5 PPG, 1.9 CUFT/SX.). CIRC 40 BBLS CMT TO SURF RDMO DRLG RIG.
04/10/08 TIH & Tgd @ 3,938' (85' of cmt). DO cmt fr/3,938' - 4,023' (DV tl) **DO DV tl**
04/11/08 Tgd @ 6,602' (PBTD) PT CSG TO 1,500 PSIG FOR 15". TSTD OK
07/23/08 MIRU BWWC WLU RAN GR/CCL FR/6,587' - 1,300' CORRELATED DEPTHS TO SCHLUMBERGER PLATFORM EXPRESS ARRAY INDUCTION LOG DATED 12/14/07 DV TL @ 4,023' MARKER JT @ 5,010' (15') & 6,098' (15'). **PERFD DK** W/3-1/8" SELECT FIRE CSG GUN @ 6,261' 6,255', 6,250', 6,247', 6,244', 6,241', 6,238', 6,235'. 6,232', 6,229', 6,226', 6,223', 6.197' & 6,178' W/2 JSPF (OWEN HSC-3125-302, 10 GM CHRGS, 0 34" EHD, 21 42" PENE, 28 HOLES) BD DK PERFS FR/6 178' - 6,261' DWN 5-1/2" CSG @ 2.9 BPM & 3,206 PSIG. EIR @ 2 9 BPM & 1,812 PSIG A W/1,000 GALS 15% NEFE HCL AC & 42 - 1 1 SG 7/8" BIO BS. FLSHD W/152 BBLS 2% KCL WTR @ 14 4 BPM & 2,107 PSIG BALLED OFF @ 3,760 PSIG. **FRACD DK** PERFS DWN 5-1/2" CSG W/63,687 GALS 70Q CO2 PURGEL III LT CO2 FOAM FRAC FLD (ZIRCONIUM XL, 25# GUAR GEL, 2% KCL WTR) CARRYING 126,700# SD (106,300# 20/40 BASF SD & 20,400# 20/40 SUPER LC RC SD PER WT SLIPS) FLSHD W/3,970 GALS 65Q CO2 FOAM FRAC FLD & 1,000 GALS LINEAR GEL WTR (CUT CO2 DURING FLSH) AIR 29 7

IRISH #1
Wellbore Diagram

BPM ATP 2,968 PSIG. MAX TP 3,153 PSIG MAX SD CONC 4 5 PPG ISIP 2,500 PSIG 5" SIP 2,350 PSIG. 168 TONS CO2 DWN HOLE

07/24/08 CONTD W/FLWBACK FR/DK FRAC F 0 BO, 275 BLW, CO2, GAS, FRAC FLD W/NO SD FCP 860 - 100 PSIG, 3/8" CK. 24 HRS 416 BLWTR

08/07/08 CO FILL FR/6,335' - 6,602' (PBTD).

08/08/08 TGD @ 6,602' (PBTD) FL @ 3,000' FS. TOH W/189 JTS TBG, SN & NC TIH W/2-3/8" X 30' OEMA W/3/8" WEEP HOLE & PIN, SN, 7 JTS 2-3/8". 4 7#, J-55, EUE 8RD SEAH TBG FR/PAN MERIDIAN, BAKER 5-1/2" TAC W/40K SHEAR & 184 JTS 2-3/8" 4 7#, J-55, EUE 8RD SEAH TBG FR/PAN MERIDIAN ND BOP SET BAKER TAC @ 6,061' W/14K TEN. LD TBG W/DONUT & 2-3/8" SEAL ASSY AS FOLLOWS; TAC @ 6,061' SN @ 6,294' EOT @ 6,325' DK PERFS FR/6,178' - 6,261' PBTD @ 6,602'. NU WH. RU SWB TLS. BFL 3,000' FS S 0 BO, 40 BLW, 10 RUNS, 2.5 HRS, FFL 3,500' FS CLN FLD SMPL W/NO SOLIDS.

08/09/08 PU & LOADED W/2" X 1-1/2" X 14' RWAC-Z (DV) EPS PMP (XTO#1537) & 1" X 1' STNR NIP. TIH W/PMP, RHBO TL, SPIRAL ROD GUIDE, 1" X 1' LS, 3 - 1-1/2" NORRIS SBS, 141 - 3/4" NORRIS GR D RODS, 107 - 7/8" NORRIS GR D RODS, 3 - 7/8" ROD SUBS (6', 4' & 2') & 1-1/4" X 22' PR W/10' LNR. SEATED PMP PT TBG TO 500 PSIG FOR 5" W/10 BBLS 2% KCL WTR GPA

09/07/08 SET LUFKIN, C-228D-213-86

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
Fee Lease - 3 Copies
State Lease - 4 Copies

☐ AMENDEDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-34140	71629	BASIN FRUITLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
35976	IRISH	#1

[7] OGRID No.	[8] Operator Name	[9] Elevation
5380	XTO Energy, Inc.	6559' GL

[10] Surface Location

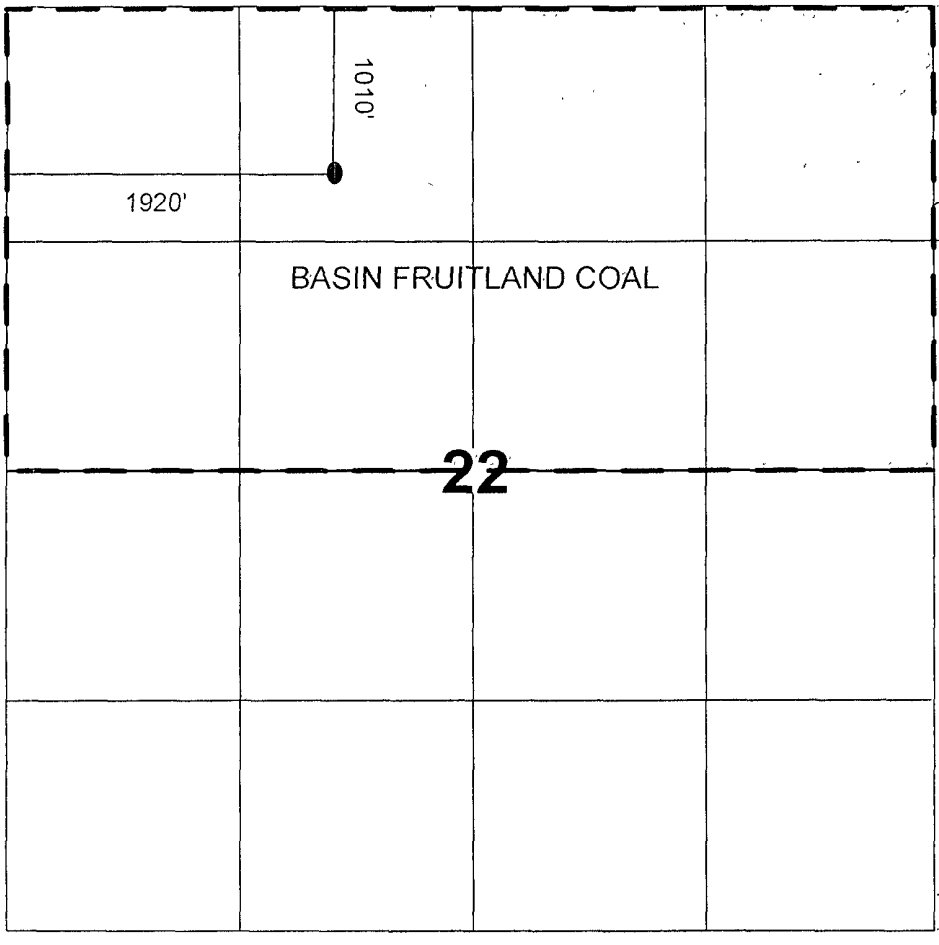
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	25-N	10-W		1010'	NORTH	1920'	WEST	SAN JUAN

[11] 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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
FC: 320 acres			

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



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true & complete to the best of my knowledge & belief and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Dolena C Johnson
Signature

DOLENA JOHNSON
Printed Name

Regulatory Compliance Tech
Title

04/30/2009
Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true & correct to the best of my belief

6/23/1984
Date of Survey

Original Survey Signed By:
John A. Vukonich

14831
Certificate Number