

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

RECEIVED
JUL 06 2009

SUBMIT IN TRIPLICATE - Other instructions on page 2

Bureau of Land Management
Farmington Field Office

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)
1550' FSL & 1900' FWL NESW Sec. 22 (K) -T25N-R10W N.M.P.M.

5. Lease Serial No.

NO-G-0503-1729

6. If Indian, Allottee or Tribe Name

NAVAJO ALLOTTED

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

8. Well Name and No.

IRISH #2

9. API Well No.

30-045-33743

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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other P&A DK AND
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	RC BASIN FC
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> 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 Plug and Abandon the Basing Dakota zone of this well and recompleat to the Basin Fruitland Coal. Please see attached procedure, wellbore diagram and FC C102 Plat.

RCVD JUL 8 '09

OIL CONS. DIV.

DIST. 3

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

BARBARA J CONDER

Title REGULATORY CLERK

Signature

Barbara J Conder

Date 06/30/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason

Title

Date

JUL 08 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.

8/7/8

**Irish #2
Unit K, 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 @ 381'. CIRC 11 BBLS CMT TO SURF.

PROD CSG: 5-1/2", 17#, N-80, LT&C CSG @ 6,646'. STAGE TL @ 3,976'. PBD @ 6,599'.
DRIFT = 4.767".
CAPACITY = 0.0232 BBLS/FT (0.1305 CUFT/FT).
BURST = 7,740 PSI (TREATING @ 80% = 6,200 PSI)

CEMENT: 1ST STAGE W/400 SX CMT. CIRC 35 BBLS CMT TO SURF. 2ND STAGE W/750 SX CMT. CIRC 45 BBLS CMT TO SURF.

TBG: 30' OEMA W/WEEP HOLE & PIN, 5-1/2" TECH TAC, 1 JT 2-3/8" TBG W/WEEP HOLE, SN, 192 JTS 2-3/8" TBG. TAC @ 6,362', SN @ 6,326', EOT @ 6,392'.

PERFS: DAKOTA – 6,167'-6,254' (78 HOLES) W/2 JSPF

AFE/WELL# DK – 902281/ 77223
FC – 902285 / 96952

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 @ 6,050' (Collars @ 6,060' & 6,014'). Pressure test CICR to 200 psig.
- 6) RU cmt equipment.
- 7) **Plug #1 (5,950'-6,254'):** Mix 30 sx cement and pump a 200' plug below cement retainer. Mix 16 sx cement and spot a 100' plug to cap the CICR. [DK – 6,152', GRN HRN – 6,056']
- 8) TOH laying down tbg to 5,900'. Reverse circ tbg clean while loading hole with 9.0 ppg corrosion inhibited water. TOH to 4,450'.

5082 4982

- 9) **Plug #2 (4,250'-4,450')**: Spot a 200' balanced plug by mixing 26 sx cement. POH to 4,200' and reverse tbg clean. TOH to 3,270'. **[MC - 4,350']**
Ga 5032
- 10) **Plug #3 (3,070'-3,270')**: Spot a 200' balanced plug by mixing 26 sx cement. POH to 3,000' and reverse tbg clean. TOH to 2,555'. **[MV - 3,170']**
- 11) **Plug #4 (2,355'-2,555')**: Spot a 200' balanced plug by mixing 26 sx cement. POH to 2,300' and reverse tbg clean. TOH with tbg. **[CH - 2,455']**
- 12) WOC at least 24 hrs.
- 13) TIH w/4-3/4" bit, bit sub, scraper and 2-3/8" tubing. CO to TOC @ +/- 2,355' (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
1,644'-1,654'	

- 20) RU frac equipment. BD perfs with fresh water and EIR. Acidize Fruitland Coal perfs with 1,000 gals of 15% NEFE HCl acid and 50 - 1.1 SG RCBS at 12 BPM down 5-1/2" csg. Flush with 1,740 gals fresh water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. RIH w/junk basket.
- 21) Frac Fruitland Coal perfs fr/1,644'-1,654' down 5-1/2" casing at 35 BPM. Pump 51,000 gals Delta 140 frac fluid (12# Borate XL gelled FW) w/4,000 lbs 40/70 sd & 75,000 lbs 20/40 BASF proppant coated with Sandwedge NT. Flush to top perf with 1,602 gals 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	1,740 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# 20/40 BASF
9 - Flush	1,602 gals	Linear gel		
51,000 gals 12# Delta 140 XL frac fluid				79,000# BASF

22) RIH full lubricator. RIH w/5-1/2" CBP. Set plug @ +/-1,610' (Make sure plug is not set in csg collar). 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, tll 17 holes). POH with csg gun.

PERF INTERVAL	CCL
1,582'-1,585'	
1,510'-1,512'	

24) BD FC perfs with fresh water and EIR. Acidize Fruitland Coal perfs with 1,000 gals of 15% NEFE HCl acid and 30 - 1.1 SG RCBS at 12 BPM down 5-1/2" csg. Flush with 1,670 gals fresh water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. RIH w/junk basket.

25) Frac Fruitland Coal perfs fr/1,510'-1,585' down 5-1/2" casing at 30 BPM. Pump 36,000 gals Delta 140 frac fluid (12# Borate XL gelled FW) w/3,000 lbs 40/70 sd & 42,000 lbs 20/40 BASF proppant coated with Sandwedge NT. Flush 1 bbl short of top perf with 1,430 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	1,670 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	1,430 gals	Linear gel		
36,000 gals 12# 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 2,355' (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. S Rod run attached.

31) TIH with tubing BHA as follows:

- 1 - 2-3/8" jt w/1/2" vent hole located 1' from top
- 2-3/8" (1.78" ID) API SN
- ±49 jts - 2-3/8" tubing to surface, EOT @ 1,710', SN @ 1,680'.

- 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) 3 – 1-1/4" API K Sinker Bars
 - e) 15 – 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

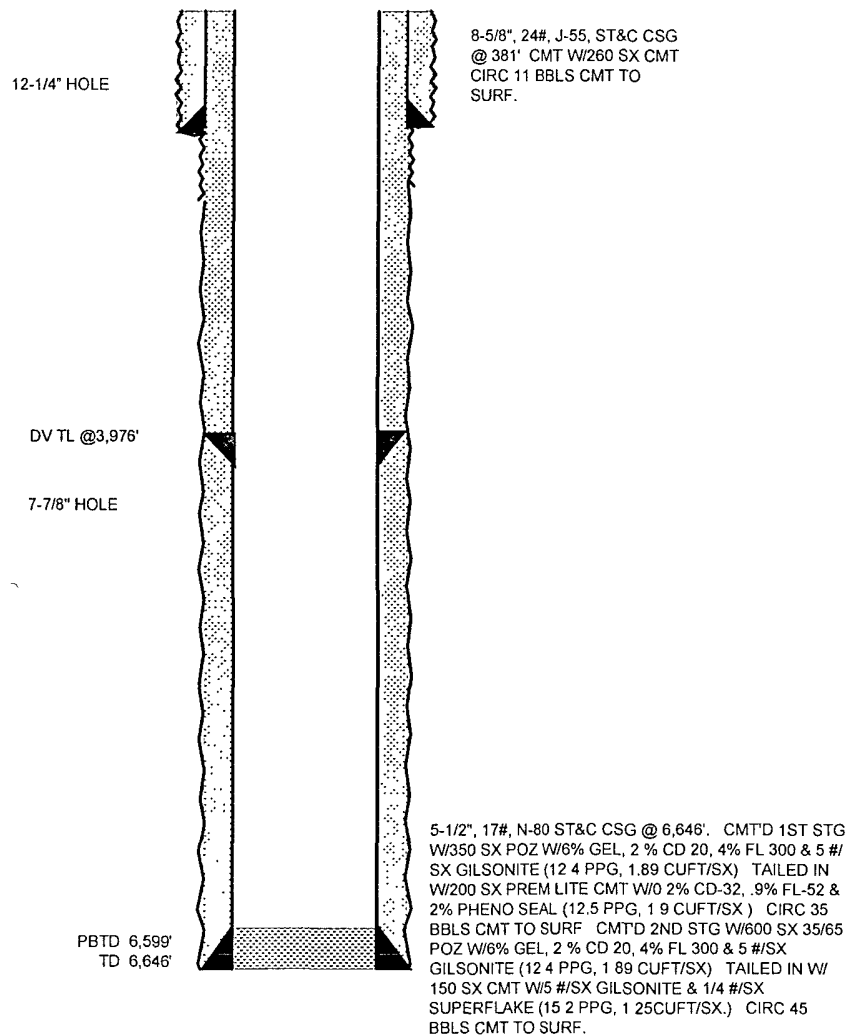
- 1 – 5-1/2" Composite Bridge plug
- Churchill 50-89-54 Pumping Unit

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
- 3 – 1-1/4" API K Sinker Bars
- 15 – 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 #2 (FKA IRISH #1E) Wellbore Diagram

KB 6,618'
GL 6,603'
CORR 15'



DATA

LOCATION: 1,550' FSL & 1,900' FWL, UNIT K, SEC. 22, T 25 N, R 10 W
COUNTY/STATE: SAN JUAN, COUNTY, NEW MEXICO
FIELD: BASIN DAKOTA
FORMATION: DAKOTA
FED LEASE #: NO-G-0503-1729 **API #:** 30-045-33743 **XTO WELL #:**
SPUD DATE: 7/16/08 **COMPLETION DATE:**
IP:
PERFS:
TBG:
RODS & PMP:
PPG UT:
PRODUCTION METHOD:

HISTORY

07/16/08: AZTEC WELL SERVICE RIG 545 SPUDDER 12-1/4" HOLE FOR XTO ENERGY.
TD 12-1/4" HOLE @ 386'. SET 8-5/8", 24#, J-55, STC CSG @ 381'. CMT'D W/260
SX TYPE V CMT W/2% CACL2 & 1/4 PPS CELLOFLAKE (15.6 PPG, 1.15
CUFT/SX). CIRC 11 BBLs CMT TO SURF.
07/23/08: TD 7-7/8" HOLE @ 6,670'.
07/24/08: RAN SCHLUMBERGER PLATFORM EXPRESS OH LOGS.
07/25/08: SET 5-1/2", 17#, N-80 ST&C CSG @ 6,646'. DV TOOL @ 3,976'. FC @ 6,599'.
MARKER JTS 5,053'-5,063' & 6,101'-6,111'. CMT'D 1ST STG W/350 SX POZ W/6%
GEL, 2 % CD 20, 4% FL 300 & 5 #/SX GILSONITE (12.4 PPG, 1.89 CUFT/SX).
TAILED IN W/200 SX PREM LITE CMT W/0.2% CD-32, .9% FL-52 & 2% PHENO
SEAL (12.5 PPG, 1.9 CUFT/SX). CIRC 35 BBLs CMT TO SURF. CMT'D 2ND
STG W/600 SX 35/65 POZ W/6% GEL, 2 % CD 20, 4% FL 300 & 5 #/SX
GILSONITE (12.4 PPG, 1.89 CUFT/SX). TAILED IN W/150 SX CMT W/5 #/SX
GILSONITE & 1/4 #/SX SUPERFLAKE (15.2 PPG, 1.25CUFT/SX.). CIRC 45 BBLs
CMT TO SURF. RDMO DRLG RIG.
09/13/08 DO cmt fr/3,906' - 3,976' (DV tl). Circ chn. DO DV tl @ 3,976'. DO cmt fr/6,585' -
6,599' (PBTD).

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-33743	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 35976	⁵ Property Name IRISH	⁶ Well Number #2
⁷ OGRID No. 5380	⁸ Operator Name XTO Energy. Inc.	⁹ Elevation 6602'

¹⁰ Surface Location

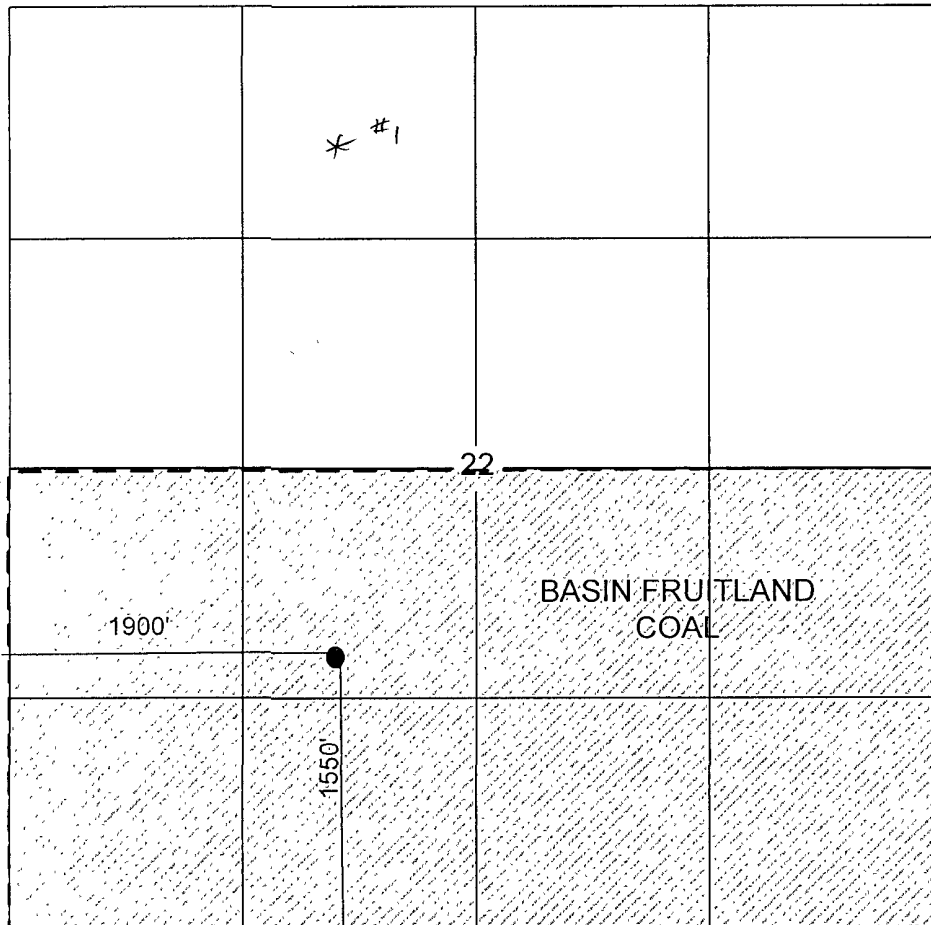
UL or lot no. K	Section 22	Township 25N	Range 10W	Lot Idn	Feet from the 1550'	North/South line SOUTH	Feet from the 1900'	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres FC 320 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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>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.</i> <i>Barbara Conder</i> Signature BARBARA CONDER Printed Name Regulatory Clerk Title 06/30/09 Date
¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 6/23/1984 Date of Survey Original Survey Signed By: John A. Vukonich 14831 Certificate Number