

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

2005 JUN 3

5. Lease Serial No.
NMNM-003153

6. If Indian, Allottee or Tribe Name
N/A

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

8. Lease Name and Well No.
O H RANDEL 16 S

9. API Well No.
30-045- 33135

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T. R. M. or Blk. and Survey or Area

E 15-26N-11W NMPM

12. County or Parish
SAN JUAN

13. State
NM

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
XTO ENERGY INC

3a. Address 2700 FARMINGTON AVE., BLDG. K-1
FARMINGTON, NM 87401

3b. Phone No. (include area code)
(505) 324-1090

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface 1850 FNL & 920 FWL

At proposed prod. zone SAME

14. Distance in miles and direction from nearest town or post office*
15 AIR MILES SOUTH OF BLOOMFIELD

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) 920'

16. No. of acres in lease
1,920

17. Spacing Unit dedicated to this well
W2

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 123' (XTO OHR 9)

19. Proposed Depth
2,100'

20. BLM/BIA Bond No. on file
BLM NATIONWIDE 57 91 73

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6,337' GL

22. Approximate date work will start*
11/25/2005

23. Estimated duration
2 WEEKS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Brian Wood

Name (Printed/Typed)

BRIAN WOOD

Date

05/29/2005

Title

CONSULTANT

PHONE: (505) 466-8120

FAX: (505) 466-9682

Approved by (Signature)

Original Signed: Stephen Mason

Name (Printed/Typed)

Date

Title

Office

JUN 05 2006

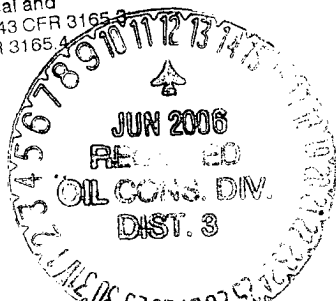
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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

*(Instructions on page 2)

HOLD CTR FOR Change in Status to OH Randel #9

This action is subject to technical and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.4



NMOCD

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South 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 June 10, 2003

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30.045-33135	*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 22857	*Property Name O.H. RANDEL	*Well Number 16S
*OGRID No. 167067	*Operator Name XTO ENERGY INC.	*Elevation 6337

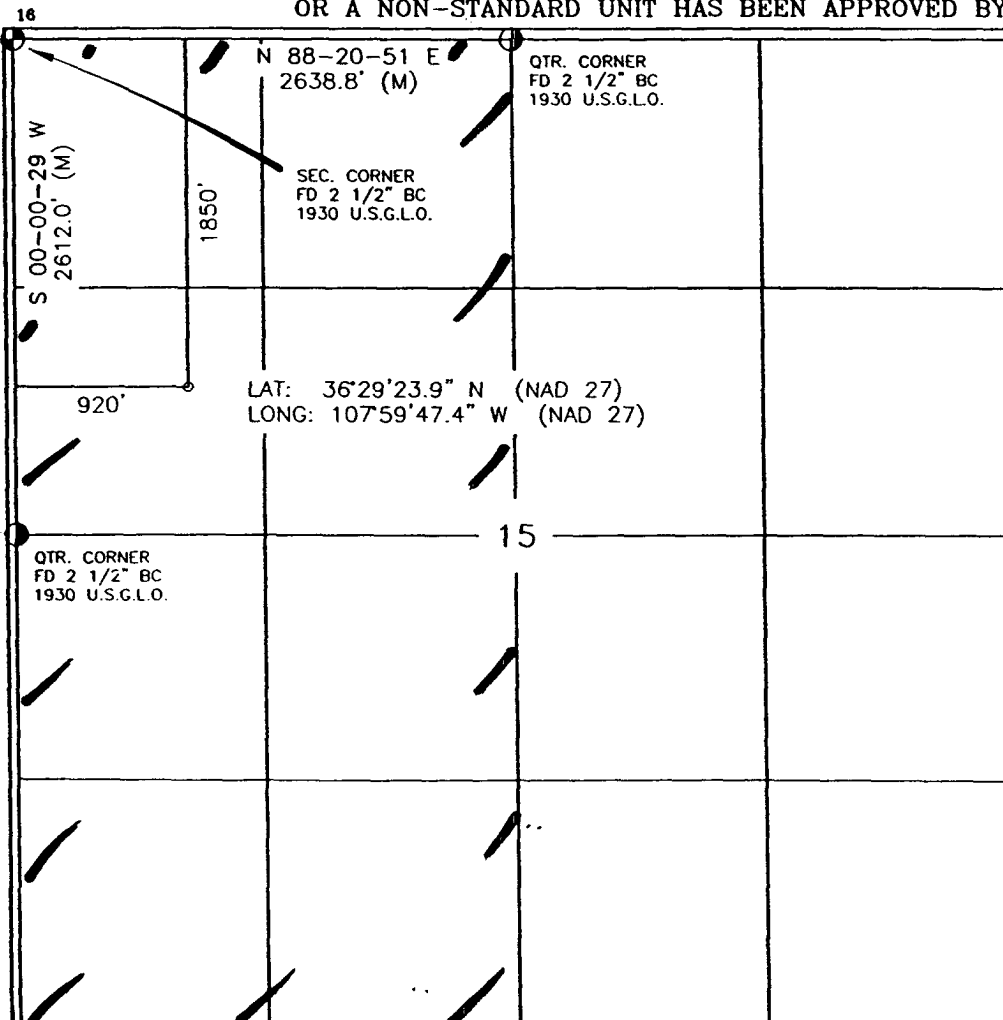
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E.	15	26-N	11-W	.	1850	NORTH	920	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
*Dedicated Acres 320					*Joint or Infill		*Consolidation Code		*Order No.

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 and complete to the best of my knowledge and
belief.

Signature

Printed Name

Title

Date

BRIAN WOOD

CONSULTANT

MAY 29, 2005

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
and correct.

NOVEMBER 2005

Date of survey

Signature and Seal of Professional Surveyor

Certificate Number

14831

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
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
May 27, 2004

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

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.)		WELL API NO. 30-045-33135
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator XTO ENERGY INC.		6. State Oil & Gas Lease No. NMNM-003153
3. Address of Operator 2700 FARMINGTON AVE., BLDG. K-1, FARMINGTON, NM 87401		7. Lease Name or Unit Agreement Name O H RANDEL
4. Well Location Unit Letter E 1850 feet from the NORTH line and 920 feet from the WEST line Section 15 Township 26N Range 11W NMPM County SAN JUAN		8. Well Number 16 S
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6,337' GL		9. OGRID Number 167067
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> >100' >1000' 7200' <1000'		10. Pool name or Wildcat BASIN FRUITLAND COAL GAS
Pit type DRILLING Depth to Groundwater ~200' Distance from nearest fresh water well >1/2 mi Distance from nearest surface water ~400'		
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume _____ bbls Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: DRILLING PIT <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed & closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Brian Wood TITLE CONSULTANT DATE 5-29-05

Type or print name BRIAN WOOD

E-mail address: brian@permitswest.com Telephone No. (505) 466-8120

For State Use Only

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE JUN 12 2006
Conditions of Approval (if any):

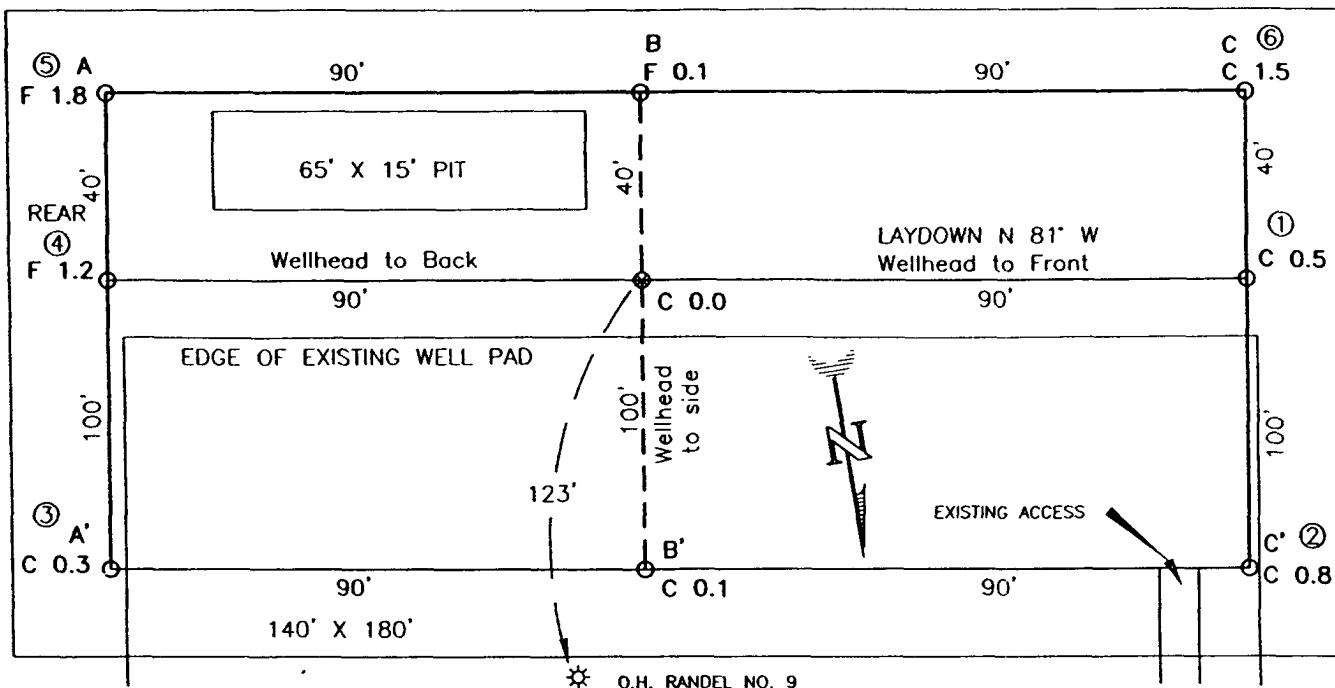
XTO ENERGY INC.

O.H. RANDEL NO. 16S 1850' FNL 920' FWL

SECTION 15, T26N, R11W, N.M.P.M., SAN JUAN COUNTY, N. M.

GROUND ELEVATION: 6337', DATE: NOVEMBER 23, 2004

LAT. = 36°29'23.9" N
LONG. = 107°59'47.4" W
NAD 27



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

ELEV. A-A'

C/L

6350					
6340					
6330					
6320					

ELEV. B-B'

C/L

6350					
6340					
6330					
6320					

ELEV. C-C'

C/L

6350					
6340					
6330					
6320					

NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

REVISION:	DATE:	REVISED BY:	G.V.
RESTAKE LOCATION	12/01/04		

Daggett Enterprises, Inc.
Surveying and Oil Field Services
P. O. Box 15068 · Farmington, NM 87401
Phone (505) 326-1772 · Fax (505) 326-6019
NEW MEXICO L.S. No. 14631
DAGPLE: CR339-CF8

DATE: 08/25/04

DRAWN BY: A.G.
REV: 0239

XTO Energy Inc.
O H Randel 16 S
1850' FNL & 920' FWL
Sec. 15, T. 26 N., R. 11 W.
San Juan County, New Mexico

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Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Nacimiento	000'	5'	+6,337'
Ojo Alamo	637'	642'	+5,700'
Kirtland Shale	707'	712'	+5,630'
Fruitland	1,387'	1,392'	+4,950'
Pictured Cliffs	1,672'	1,677'	+4,665'
Lewis Shale	1,987'	1,992'	+4,350'
Total Depth (TD)	2,100'	2,105'	+4,237'

2. NOTABLE ZONES

<u>Gas & Oil Zones</u>	<u>Water Zones</u>	<u>Coal Zone</u>
Fruitland	Nacimiento	Fruitland
Pictured Cliffs	Ojo Alamo	
	Fruitland	

Water zones will be protected with casing, cement, and weighted mud. Fresh water found while drilling will be recorded. Oil or gas shows will be tested for commercial potential based on the geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP system to be used is not yet known. A typical 2,000 psi stack, manifold, and testing procedures are on Page 3.

XTO Energy Inc.
O H Randel 16 S
1850' FNL & 920' FWL
Sec. 15, T. 26 N., R. 11 W.
San Juan County, New Mexico

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4. CASING & CEMENT

<u>Hole Size</u>	<u>O. D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Age</u>	<u>Connection</u>	<u>Setting Depth</u>
8-3/4"	7"	20	K-55	New	S T & C	160'
6-1/4"	4-1/2"	10.5	K-55	New	S T & C	2,100'

Surface casing will be cemented to the surface with ≈ 50 cubic feet (≈ 43 sacks) Class B + 1/4 lb/sk cello-flake + 2% CaCl_2 . Yield = 1.18 cubic feet per sack. Weight = 15.2 pounds per gallon. Volume: $\geq 100\%$ excess. A guide shoe and insert float will be used. W. O. C. = 12 hours. Surface casing will be tested to 1,500 psi for 30 minutes.

Production casing will be cemented to the surface. Total cement: >437 cubic feet. Volumes are calculated at $>100\%$ excess. If cement does not circulate to surface, then a temperature survey will be run to determine the actual cement top as needed. W. O. C. = 12 hours. Test to 2,000 psi.

Lead cement will be ≈ 185 sacks Class B light cement (65% cement/35% Poz with 6% gel) with 5 #/sack gilsonite + 1/4 #/sack Flocele. Yield = 1.99 cu ft/sk. Weight = 12.4 #/gal.

Tail cement will be ≈ 50 sacks 50/50 Class B Poz with 2% gel + 1/4#/sack Flocele + 0.5% Halad 9. Yield = 1.38 cubic feet/sack. Weight = 13.5 #/gallon.

Cement equipment will include a guide shoe, float collar, and 10 centralizers.

5. MUD PROGRAM

<u>Range</u>	<u>Mud Type</u>	<u>Weight</u>
0' - 160'	Fresh-Spud	8.4
160' - TD	LSND	8.6

Lost circulation and absorption material will be on location.

XTO Energy Inc.
O H Randel 16 S
1850' FNL & 920' FWL
Sec. 15, T. 26 N., R. 11 W.
San Juan County, New Mexico

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6. CORES, TESTS, & LOGS

No cores or drill stem tests are planned. Open hole logs will include GR, Neutron-Density, and Induction. The Neutron Density will be run from TD to 500'. The other logs will be run from TD to the base of the surface casing.

7. DOWN HOLE CONDITIONS

No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum pressure will be \approx 200 psi.

8. OTHER INFORMATION

The anticipated spud date is upon approval. It is expected it will take about 1 week to drill and about 1 week to complete the well.

Note: 1. An upper Kelly cock valve will be utilized during drilling. Handle will be available for easy access.

2. Safety valves and necessary subs to fit all drill string in use will be available.

