Form 3160-5
(August 2007)

RECEIVED

OCT 29 2012

Farmington Field Office
Bureau of Land Management

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMSF077382

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
RP HARGRAVE K #1E

2. Name of Operator
XTO ENERGY INC.

9. API Well No.
30-045-25635

3a. Address
382 CR 3100 AZTEC, NM 87410

3b. Phone No. *(include area code)*
505-333-3630

10. Field and Pool, or Exploratory Area
BASIN DAKOTA

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
920' FNL & 1850' FWL NENW SEC.16(C)-T27N-R10W

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
	☐ 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 and abandon this well per the attached procedure. Please see also, the attached current and proposed wellbore diagrams for additional information.

RCVD NOV 1 '12
OIL CONS. DIV.
DIST. 3

* Extend the Mancos plug down to 4750'
* Add a Chacra plug from 2720'-2820'
* Extend OJO plug up to 680'

Notify NMOCD 24 hrs prior to beginning operations

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* SHERRY J. MORROW Title REGULATORY ANALYST

Signature Sherry J. Morrow Date 10/24/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Original Signed: Stephen Mason		OCT 30 2012
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

PLUG AND ABANDONMENT PROCEDURE

July 24, 2012

R.P. Hargrave K #1E

Basin Dakota
920' FNL and 1850' FWL, Section 16, T27N, R10W
San Juan County, New Mexico / API 30-045-25635
Lat: N _____/ Lat: W _____

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. ND wellhead and NU BOP. Function test BOP.

3. Rods: Yes____ , No__X___, Unknown_____.
   Tubing: Yes __X__ , No ____, Unknown_____ , Size __2-3/8_____ , Length __6234'____.
   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 (Dakota perforations and top, 6258' – 6156'):** RIH and tag existing fish and/or RBP at 6256' - 6258'. Pressure test tubing to 1000 PSI. Circulate well clean. **Well will not pressure test due to possible casing leak from 3806' – 4250'.** Mix 16 sxs Class B cement inside casing from 6258' – 6156' (excess due to fish) to cover the Dakota perforations and top. PUH.

5435 5335

5. **Plug #2 (Gallup top, ~~5602~~' – ~~5502~~'):** Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Gallup top. PUH.

6. **Plug #3 (Mancos top, 4585' – 4485'):** Spot 20 sxs Class B cement and spot a balanced plug inside casing (excess due to possible casing leak) to cover the Mancos top. PUH.

7. **Plug #4 (Mesaverde top, 3450' – 3350'):** Spot 20 sxs Class B and spot a balanced plug inside casing to cover the Mesaverde top. PUH.

8. **Plug #5 (Pictured Cliffs and Fruitland tops, 1921' – 1377'):** Mix and pump 46 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. PUH.

1055 794

9. **Plug #6 (Kirtland and Ojo Alamo tops, ~~1071~~' - ~~850~~'):** Mix and pump ~~21~~ sxs Class B cement and spot a balanced plug inside casing to cover through the Ojo Alamo top. PUH with tubing.

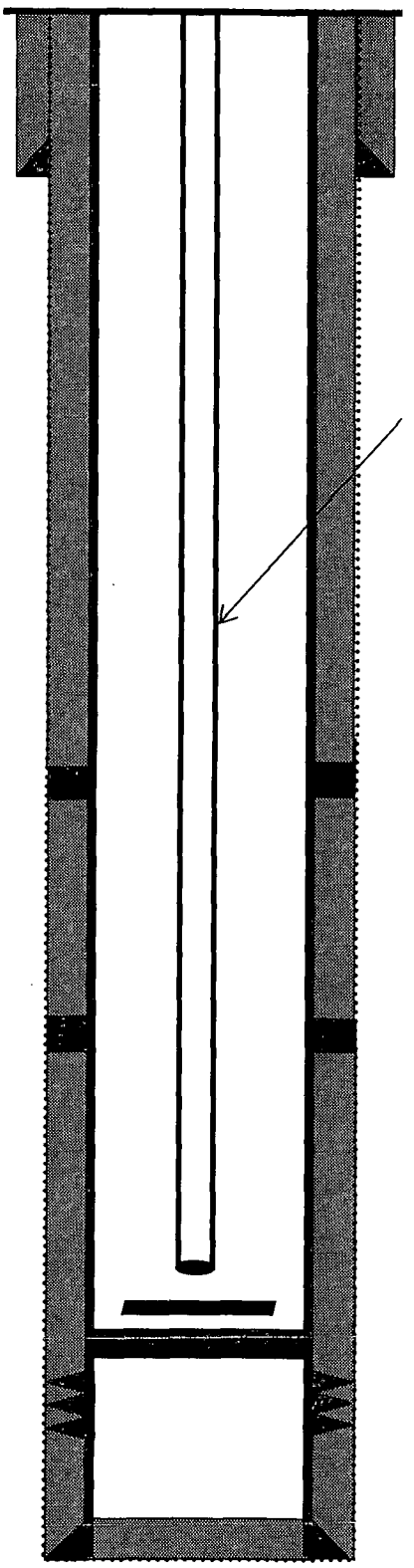
10. **Plug #7 (8.625" casing shoe, 376' – 0')**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 35 sxs cement and spot a balanced plug from 376' to surface, 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 casing from 376' and the annulus from the squeeze holes to surface. Shut in well and WOC.

11. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

R.P. Hargrave K
#1E Current
Basin Dakota

920' FNL, 1850' FWL, Section 16, T-27-N, R-10-W
San Juan County, NM, API #30-045-25635

Today's Date: **7/24/12**
Spud: 7/12/83
Completed: 8/11/83
Elevation: 6039' GL
6052' KB



12.25" hole

8.625" 24#, K-55 Casing set @ 326'
Cement with 378 cf, circulated

Ojo Alamo @ 900'

Kirtland @ 1021'

Fruitland @ 1427'

Pictured Cliffs @ 1871'

2-3/8" tubing at 6234'
(196 joints, 4.7#, J-55 with SN at 6233')

DV Tool at 3374'
3rd Stage: Cement with 1674 cf circulated
TOC @ DV Tool

Mesaverde @ 3400'

Casing Inspection Log determined bad casing from 3806' to 4250' (2012)

Mancos @ 4535'

DV Tool at 4681'
2nd Stage: Cement 610 cf circulated

TOC @ at DV Tool

Gallup @ 5552'

Fish @ 6256'
Retrievable Bridge Plug @ 6258'

Dakota @ 6267'

Dakota Perforations:
6269' – 6508'

7.875" hole

4.5",10.5#, J-55 Casing set @ 6557'
1st Stage: Cement with 565 cf circulated

TD 6557'
PBTD 6512'

R.P. Hargrave K
#1E Proposed P&A
Basin Dakota

920' FNL, 1850' FWL, Section 16, T-27-N, R-10-W
San Juan County, NM, API #30-045-25635

Today's Date: **7/24/12**
Spud: 7/12/83
Completed: 8/11/83
Elevation: 6039' GL
6052' KB

12.25" hole

8.625" 24#, K-55 Casing set @ 326'
Cement with 378 cf, circulated

Plug #7: 376' – 0'
Class B cement, 35 sxs

Plug #6: 1071' – 850'
Class B cement, 21 sxs

Ojo Alamo @ 900'

Kirtland @ 1021'

Fruitland @ 1427'

Plug #5: 1921' – 1377'
Class B cement, 46 sxs

Pictured Cliffs @ 1871'

DV Tool at 3374'
3rd Stage: Cement with 1674 cf circulated

TOC @ DV Tool

Plug #4: 3450' - 3350'
Class B cement, 20 sxs
Excess due to casing leak

Mesaverde @ 3400'

Casing Inspection Log determined bad casing from 3806' to 4250' (2012)

Plug #3: 4585' – 4485'
Class B cement, 20 sxs
Excess due to casing leak

Mancos @ 4535'

DV Tool at 4681'
2nd Stage: Cement 610 cf circulated

TOC @ at DV Tool

Plug #2: 5602' – 5502'
Class B cement, 12 sxs

Gallup @ 5552'

Plug #1: 6258' – 6156'
Class B cement, 16 sxs
Excess due to fish

Fish @ 6256'
Retrievable Bridge Plug @ 6258'

Dakota @ 6267'

Dakota Perforations:
6269' – 6508'

7.875" hole

4.5",10.5#, J-55 Casing set @ 6557'
1st Stage: Cement with 565 cf circulated

TD 6557'
PBTD 6512'

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 1E R.P. Hargrave K

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) 564-7750.

3. The following modifications to your plugging program are to be made:

a) Place the Gallup plug from 5435' – 5335'.

b) Place the Kirtland/Ojo Alamo plug from 1055' – 794'.

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.