

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED

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.

JAN 14 2009

SUBMIT IN TRIPLICATE - Other instructions on page 2

Farmington Field Office

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3a. Address

2010 Afton Place, Farmington, NM 87401

3b. Phone No. (include area code)

505.325.6800

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

910' FSL, 980' FWL Section 3, T25N, R3W, Unit M

Lease Serial No.

NMSF-079616

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

McCroden 1

9. API Well No.

30-039-06126

10. Field and Pool, or Exploratory Area
Pictured Cliffs

11. County or Parish, State

Rio Arriba 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input 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.)

Energen Resources plans to Plug and Abandon the McCroden #1 according to the attached procedure.

RCVD JAN 16 '09

OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Martin Cabrera

Title

District Engineer

Signature

Date

1/13/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

JAN 15 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.

NMOC 10/21

Recommended Plugging Procedure
McCroden #1
SW/4 Section 3, T25N, R03W
DP# 32033A
AFE# SJ09-114

1. MIRU. ND wellhead. NU BOP.
2. TOH w/ 2-3/8" tbg, inspect and tally.
3. TIH w/ CIBP and set @ 3750'. Pressure test casing to 500 psi for 15 minutes. TOH w/ tbg. TIH w/ wire-line and run Cement Bond Log. Determine TOC. TOH w/ wire-line. Depending on the TOC, procedure may need to be altered.
4. TIH w/ tbg to 3745'. Set a cement plug across Pictured Cliffs top f/ ^{3576'}~~3650'~~-3750' w/ ~~12~~ sks of neat cement (50% excess). Pull tbg above cement. Wait 4 hrs and tag cement.
5. Pull tbg up to 3580'. Set a balanced cement plug across the Fruitland, Kirtland and Ojo Alamo top f/ 3280'-3580' w/ 36 sks of neat cement (50% excess). Pull tbg above cement. Wait 4 hrs and tag cement.
6. TIH w/ wire-line and perforate 2 squeeze holes @ ²¹⁰⁰~~2180~~'. TOH w/ wire-line.
7. Pull tbg up to 2080'. Set a balanced cement plug across the Nacimiento top f/ ²¹⁰⁰⁻²⁰⁰⁰~~2080'-2180'~~ w/ 50 sks of neat cement (100% excess outside the casing and 50% excess inside the casing). Pull tbg above cement. Wait 4 hrs and tag cement.
8. TIH w/ wire-line and perforate 2 squeeze holes @ 250'. TOH w/ wire-line.
9. Establish circulation out of the bradenhead w/ water. Circulate the bradenhead annulus clean. Pump 162 sks of neat cement down 4-1/2" casing to circulate good cement out the bradenhead. SI well and wait on cement.
10. ND BOP and cut off casing below surface casing flange. Install P&A marker w/ cement to comply w/ regulations. RDMO, cut off anchors and restore location.

**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: 1 McCroden

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) Bring the top of the Pictured Cliffs/Fruitland plug to 3576'.
 - b) Place the Nacimiento plug from 2100' – 2000' inside and outside the 4 ½" casing.

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.