

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

SUNDRY NOTICES AND REPORTS ON WELLS

SEP 10 2012

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.
Farmington Field Office
Bureau of Land Management

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3a. Address

2010 Afton Plc. Farmington, NM 87401

3b. Phone No. (include area code)

505.325.6800

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

850' FSL, 1550' FEL, Sec. 12, T29N, R10W, N.M.P.M

5. Lease Serial No.

SF-077082

6. If Indian, Allottee or Tribe Name

men.

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

8. Well Name and No.

Lackey A 7

9. API Well No.

30-045-21447

10. Field and Pool, or Exploratory Area

Aztec Pictured Cliffs

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

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

BP

TYPE OF ACTION

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <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 Corporation intends to plug and abandon this well per the attached plug and abandonment procedure.

RCVD SEP 19 '12

Notify NMOCD 24 hrs
prior to beginning
operations

OIL CONS. DIV.
DIST. 3

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

Collin Placke

Title District Engineer

Signature

Collin Placke

Date 9/6/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

SEP 12 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 A

PLUG AND ABANDONMENT PROCEDURE

July 27, 2012

Lackey A #7

Undesignated Chacra

850' FSL and 1550' FEL, Section 12, T29N, R10W

San Juan County, New Mexico / API 30-045-21334

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 ASTM Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Comply with all NMOCD, BLM and Operator safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU cementing equipment. NU relief line and blow well down; kill with water as necessary. NU BOP and test.
2. This project requires the Operator to obtain an approved 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.
3. Open bradenhead valve. Establish rate down 2.875" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. If no flow or blow out the BH valve, then pump 10 - 7/8" RCN balls in additional water and monitor pressure and rate while pumping. Confirm that the perforations are taking water and there is not a casing leak. If the bradenhead flows water or there are other indications of a casing leak, then move rig on location and use 1/4" IJ tubing to plug the well.
4. Rods: Yes _____, No X, Unknown _____;
Tubing: Yes _____, No X, Unknown _____, Size _____, Length _____;
Packer: Yes _____, No X, Unknown _____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
5. **Plug #1 (Fruitland interval, Kirtland, Ojo Alamo tops, ¹¹⁷⁶3452' – ~~1490'~~)**: Establish rate into Fruitland perforations with water. Mix and pump total of 88 sxs cement (long plug, 40% excess) and bullhead the down 2.875" casing: first pump 10 sxs cement, then drop 10 RCN balls, then pump 78 sxs cement and do not displace. Double valve and shut in well. WOC. Tag cement.
6. **Plug #2 (8.625" casing shoe, surface, 185' – 0')**: Perforate 2 squeeze holes at 185'. Establish rate into squeeze holes if the casing pressure tested. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 75 sxs cement and pump down the 2.875" casing to circulate good cement out bradenhead. Shut in well and WOC.
7. ND cementing valves and cut off wellhead. Fill 2.875" casing with cement as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Lackey A #7

Current

Undesignated Chacra

850' FSL & 1550' FEL, Section 12, T-29-N, R-10-W, San Juan County, NM

Lat: N _____ / Long: W _____ / API #30-045-21334

Today's Date: 7/27/12

Spud: 3/25/74

Completed: 4/24/74

Elevation: 5871' GI

12.25" hole

8-5/8" 24#, K-55 Casing set @ 135'
Cmt with 112 cf (Circulated to Surface)

TOC at 950' (T.S.)

Ojo Alamo @ 1240' *est

Kirtland @ 1395' *est

Fruitland @ 2089' *est

Pictured Cliffs @ 2320'

Chacra @ 3324'

Chacra Perforations:
3442' - 3452'

7-7/8" and
6-3/4" to TD
Records do not indicate
where hole size
changes

2-7/8" 6.4#, J-55 Casing set @ 3527'
Cement with 952 cf

TD 3527'
PBTD 3517'

Lackey A #7

Current

Undesignated Chacra

850' FSL & 1550' FEL, Section 12, T-29-N, R-10-W, San Juan County, NM

Lat: N _____ / Long: W _____ / API #30-045-21334

Today's Date: 7/27/12
Spud: 3/25/74
Completed: 4/24/74
Elevation: 5871' GI

12.25" hole

8-5/8" 24#, K-55 Casing set @ 135'
Cmt with 112 cf (Circulated to Surface)

Perforate @ 185'

Plug #2: 185' - 0'
Class B cement, 75 sxs

TOC at 950' (T.S.)

Ojo Alamo @ 1240' *est

Kirtland @ 1395' *est

Plug #1: 3452' - 1190'
Class B cement, 88 sxs
(long plug, 40% excess)

Fruitland @ 2089' *est

Pictured Cliffs @ 2320'

Chacra @ 3324'

Chacra Perforations:
3442' - 3452'

7-7/8" and
6-3/4" to TD
Records do not indicate
where hole size
changes

2-7/8" 6.4#, J-55 Casing set @ 3527'
Cement with 952 cf

TD 3527'
PBD 3517'

**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: 7 Lackey A

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) Bring the top of the Chacra/Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug to 5349'.

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.