

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

FEB 06 2012

Farmington Field Office  
Bureau of Land Management

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)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1190' ENL, 1090' ENL, Sec. 13, T26N, R5W, N.M.P.M.

5. Lease Serial No.

Jicarilla 108

6. If Indian, Allottee or Tribe Name

Jicarilla

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

8. Well Name and No.

Jicarilla 108 14

9. API Well No

30-039-06499

10. Field and Pool, or Exploratory Area

S. Blanco PC

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

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

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 recomplet 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.)

Energen Resources plans to plug and abandon the Jicarilla 108 #14 per the attached procedure.

CONDITIONS OF APPROVAL  
Adhere to previously issued stipulations.

RCVD FEB 9 '12  
OIL CONS. DIV.  
DIST. 3

Notify NMOCD 24 hrs  
prior to beginning  
operations

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

Adam Klem

Title District Engineer

Signature

Date 2/1/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason

Title

Date

FEB 06 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.

## PLUG AND ABANDONMENT PROCEDURE

December 20, 2011

### Jicarilla 108 #14

South Blanco Pictured Cliffs

1190' FNL, 1090' FWL, Section 13, T26N, R5W, Rio Arriba County, New Mexico

API 30-039-06499 / Long \_\_\_\_\_ / Lat: \_\_\_\_\_

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 1-1/4", Length 3903'.  
Packer: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Type \_\_\_\_\_.  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip 5.5" gauge ring or casing scraper to 3141' or as deep as possible.

**NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a T.S. or CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**

4. **Plug #1 (Pictured Cliffs interval and Fruitland top, 3811' – <sup>3605</sup>3662')**: TIH and set 5.5" CR at 3811'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix ~~20~~ sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs interval and the Fruitland top. TOH with tubing.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 3530' – 3220')**: Perforate 3 squeeze holes at 3530'. Set 5.5" cement retainer at 3480'. Mix 141 sxs Class B cement squeeze 92 sxs outside casing and leave 49 sxs inside casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.
6. **Plug #3 (Nacimiento top, 1992' – 1892')**: Perforate 3 squeeze holes at 1992'. Set 5.5" cement retainer at 1942'. Mix 47 sxs Class B cement squeeze 30 sxs outside casing and leave 17 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
7. **Plug #3 (8-5/8" surface casing shoe, 156' - Surface)**: Perforate 3 squeeze holes at 156'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 55 sxs Class B cement and pump down the 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
8. 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.