

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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 reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

3a. Address

2198 Bloomfield Highway, Farmington, NM 87401

3b. Phone No. (include area code)

(505) 325-6800

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

950' FSL, 800' FWL, Sec. 1, T29N, R12W, N.M.P.M.

5. Lease Serial No.

NMSF-065557A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Cornell 2

9. API Well No.

30-045-0865600

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

Dan 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

TYPE OF ACTION

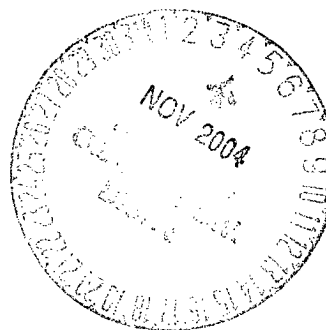
- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> 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 checked="" type="checkbox"/> Other P&A |
| <input type="checkbox"/> Change Plans         | <input 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.)

This well was plugged & abandoned on October 14, 2004 as per the attached plugging summary.

will be

Procedure



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

Name (Printed/Typed)

Vicki Donaghey

Title

Regulatory Analyst

Date 10/18/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

NOV 01 2004

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.

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

October 14, 2004

### Cornell #2

Basin Fruitland Coal

950' FSL & 800' FWL, SW, Section 1, T29N, R12W  
San Juan County, New Mexico, API #30-045-08656

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Energen safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary.
2. If rods present, then pressure test tubing to 1000#. Pull and LD rods and pump. ND wellhead and NU BOP. Test BOP. TOH and tally 2.875" tubing, 1900'. If necessary LD tubing and PU workstring. Round trip a 4.5" casing scraper or gauge ring to 1661'.
3. **Plug #1 (Pictured Cliffs top and Fruitland Coal perforations, 1950' – <sup>1550</sup>1610')**: Set a 5-1/2" cement retainer or CIBP (if tubing tested) at 1661'. If necessary, pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 15 sxs Type III cement and spot a balanced plug above the CR to cover isolate the Fruitland Coal perforations. TOH with tubing.
4. **Plug #2 (Kirtland and Ojo Alamo tops, 760' – 550')**: Perforate 3 squeeze holes at 760'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 5-1/2" cement retainer at 710'. Establish rate into squeeze holes. Mix and pump 82 sxs Type III cement, squeeze 55 sxs outside the casing and leave 27 sxs inside casing. PUH to 147'.
5. **Plug #3 (8-5/8" Surface casing, 147' - Surface)**: Attempt to pressure test the bradenhead annulus to 300#. If it tests, then with tubing at 147', establish circulation out casing valve with water. Mix approximately 15 sxs cement and fill the 5-1/2" casing 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 spot cement to cover the surface casing shoe and fill the BH annulus as necessary, circulate good cement to surface. TOH and LD tubing. Shut in well and WOC.
6. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.