

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires January 31, 2004

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.

5. Lease Serial No.

NMSF 079485

6. If Indian, Allottee or Tribe Name

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

San Juan 30-4 Unit

8. Well Name and No.

San Juan 30-4 Unit 9

NP

9. API Well No.

30-039-07828

10. Field and Pool, or Exploratory Area

East Blanco Pictured Cliffs

11. County or Parish, State

Rio Arriba NM

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)

990' FSL, 1650' FWL, Sec. 16, T30N, R04W, N.M.P.M.

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 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 intends to plug and abandon this well as per the attached plugging procedure.



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

Name (Printed/Typed)

Don Graham

Title

Production Superintendent

Date 3/29/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

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

APR 13 2004

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

PLUG & ABANDONMENT PROCEDURE

3/17/04

San Juan 30-4 Unit NP #9
East Blanco Pictured Cliffs
990' FSL & 1650' FWL, Section 16, T-30-N, R-4-W
Rio Arriba Co., New Mexico, API #30-039-07828

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 is ASMT Type II mixed at 15.6 ppg with a yield of 1.18 cf/sx.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Energen safety rules and regulations. MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH and LD rods with pump. If necessary hot oil tubing. TOH and tally 145 joints 2-3/8" tubing, SN 4473', total 4505'. If necessary use a workstring. Round-trip 4-1/2" casing scraper or gauge ring to 4199'.
3. **Plug #1 (Pictured Cliffs and Fruitland tops, 4199'– 4021')**: TIH with tubing and set a 4-1/2" cement retainer at 4199'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Attempt to pressure test casing to 500# (casing leaks squeezed from 2030' to 2089'). If casing does not test, then spot or tag subsequent plugs as appropriate. Mix and pump 30 sxs cement inside casing above retainer to cover the Pictured Cliffs and Fruitland tops. If casing does not test above increase cement volume to 40 sxs. LD tubing to 3881'.
4. **Plug #2 (Kirtland and Ojo Alamo tops, 3881'– 3550')**: Mix and pump 74 sxs cement inside casing to cover the Kirtland and Ojo Alamo tops. If casing does not pressure test prior to plug, increase volume to 83 sxs cement.
5. **Plug #3 (Nacimiento top, ²⁵¹⁰2350' – ²⁴¹⁰2250')**: Perforate 3 squeeze holes at ²⁵¹⁰2350'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 7" cement retainer at ~~2300'~~. Establish rate into squeeze holes. Mix and pump 55 sxs cement, squeeze 26 sxs outside the casing and leave 29 sxs inside casing to cover the Nacimiento top. If casing does not pressure test prior to plug, increase cement volume **inside casing** to 36 sxs. TOH and LD tubing.
6. **Plug #3 (9-5/8" casing shoe, 187' - Surface)**: Perforate 3 squeeze holes at 187'. Establish circulation out bradenhead. Mix and pump 75 sxs cement down 7" casing and circulate good cement out bradenhead from 187. Shut in well and WOC.
7. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.