

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.

8. Lease Serial No.

NM 0607 93313

6. If Indian, Allottee or Tribe Name

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

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)

940' ENL, 1140' FEL, Sec.11, T30N, R10W, N.M.P.M.

8. Well Name and No.

Sunray H 4

9. API Well No.

30-045-21134

10. Field and Pool, or Exploratory Area

Blanco PC

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

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. Procedure is attached.



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

Vicki Donaghey

Title

Regulatory Analyst

Date

08/19/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

AUG 26 2005

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.

NMOCB

PLUG AND ABANDONMENT PROCEDURE

August 13, 2005

Sunray H #4

Blanco Pictured Cliffs Ext.

940' FNL & 1140' FEL, Section 11, T30N, R10W
San Juan County, New Mexico, API #30-045-21134

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 NMOC, 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. ND wellhead and NU BOP. Test BOP.
2. Round-trip 2.875" wireline gauge ring to 3184'. Prepare a 1.25" tubing workstring.
3. **Plug #1 (Pictured Cliffs perforations and Fruitland top, 3184' - ^{2794'}2807')**: RIH and set 2.875" wireline CIBP at 3184'. TIH with workstring and tag CIBP. Load casing with water and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 15 sxs cement and spot a balanced plug inside the casing above CIBP to isolate the Pictured Cliffs perforations and to cover the Fruitland top. PUH to 2070'.
4. **Plug #2 (Kirtland and Ojo Alamo tops, 2070' – 1830')**: Mix 10 sxs cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. TOH with tubing.
5. **Plug #3 (Nacimiento top and surface casing shoe, 550' – Surface)**: Perforate 3 bi-wire holes at 550'. Establish circulation to the surface out the bradenhead valve; circulate the BH annulus clean. Mix approximately 150 sxs cement and pump down the 2.875" casing, circulate good cement to the surface.
If the casing did not test before perforating, or if unable to circulate waster to the surface, then plug the Nacimiento top with a wireline CR at 500' and 26 sxs squeezed outside the casing with 6 sxs inside casing. Then perforate at 188' and establish circulation to surface out the bradenhead, set a cement plug from 188 to surface to cover the surface casing shoe.
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.