

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

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)

(505) 325-6800

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

Sec. 02, T27N, R12W 1,650' ENL, 990' FEL Unit H

5. Lease Serial No.

NMSE 84078

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Thompson C #1-X

9. API Well No.

30-045-13358

10. Field and Pool, or Exploratory Area

West Kutz 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

TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other
☐ Change Plans ☒ Plug and Abandon ☐ Temporarily Abandon
☐ Convert to Injection ☐ Plug Back ☐ 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 is proposing to plugged & abandoned the Thompson C #1-X according to the attached procedure.

RCVD DEC 8 '09
OIL CONS. DIV.
DIST. 3

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

Andrew Soto

Title District Engineer

Signature

Date 12/1/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

DEC 04 2009

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

November 24, 2009

Thompson C #1X

West Kutz Pictured Cliffs

1650' FNL, 990' FEL, Section 2, T27N, R12W,
San Juan County, New Mexico / API 30-045-13358
Long 107° 4.49' / Lat: 36° 36.41'

- 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 1.5" coil, Length 1627'
Packer: Yes ☐, No ☒ X ☐, Unknown ☐, Type ☐.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
 4. Note: well has coiled tubing that will be removed prior to A-Plus rigging up on location. PU workstring. Round-trip 7" casing scraper or wireline gauge ring to 1610' or as deep as possible.
 5. **Plug #1 (Pictured Cliffs interval and Fruitland top, 1610' – 1310'):** TIH and set 7" CR at 1610'. 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 66 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs interval and cover the Fruitland top. TOH.
 6. **Plug #2 (Kirtland and Ojo Alamo tops, 640' – 390'):** Perforate 3 HSC squeeze holes at 640'. If the casing tested, then attempt to establish rate into the squeeze holes. Set a 7" cement retainer at 590'. Establish rate below CR. Mix and pump 121 sxs Class B cement, squeeze 64 sxs outside the casing and leave 57 sxs inside the casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.
 7. **Plug #3 (9.625" Surface casing shoe, 155' - Surface):** Perforate 3 squeeze holes at 155'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 75 sxs Class B cement and pump down the 7" 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.