

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 Ext.238**

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

**990' FNL, 1600' FWL Sec. 5, T25N, R4W N.M.P.M.**

5. Lease Serial No.

**Jic Cont 123**

6. If Indian, Allottee or Tribe Name

**Jicarilla Apache**

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

8. Well Name and No.

**Jicarilla 123 C 23**

9. API Well No.

**30-039-21296**

10. Field and Pool, or Exploratory Area

**South Blanco 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

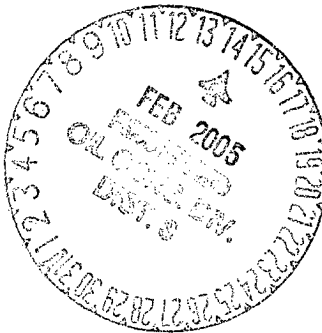
- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |   |  |  |   |
|---|--|--|---|
| <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 plugged and abandoned this well on January 13, 2005 as per the attached plugging procedures.**



RECEIVED  
BLM  
OFFICE - 2 AM 10:35  
010 ALBUQUERQUE, N.M.

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

**Vicki Donaghey**

Title

**Regulatory Analyst**

Date

**01/14/05**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

**/s/ David R. Sitzler**

Division of Multi-Resources

Date

**FEB 11 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.

**RMOC**

## PLUG AND ABANDONMENT PROCEDURE

01/13/05

### **Jicarilla 123 C #23**

South Blanco Pictured Cliffs  
990' FNL & 1600' FWL, Section 5, T25N, R4W  
Rio Arriba County, New Mexico, API #30-039-21296

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. ND wellhead and NU BOP. Test BOP.
2. PU and tally 1-1/4" tubing workstring. Roundtrip 2.875" gauge ring to 3300'.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops, 3300' – 2820'):** TIH and set 2.875" CIBP at 3300'. Load casing with water and circulate well clean. Pressure test casing to 500 PSI. If casing does not test, then spot or tag subsequent plugs as appropriate. Spot 15 sxs Type III cement inside casing above CIBP to isolate the Pictured Cliffs perforations through the Ojo Alamo top. TOH with tubing.
4. **Plug #2 (Nacimiento top, 1890' – 1790'):** Perforate 2 squeeze holes at 1890'. If the casing pressure tested after plug #1, then attempt to establish rate into squeeze holes. Mix and pump 39 sxs Type III cement down the casing, squeeze 31 sxs outside the 2.875" casing and leave 8 sxs inside casing, displace to 1500'. If the casing leaks, then set a 2.875" cement retainer at 1840' and leave only 4 sxs cement inside the casing. TOH and LD tubing.
5. **Plug #3 (8-5/8" Surface casing, 180' - Surface):** Perforate 2 squeeze holes at 180'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 55 sxs Type III cement down the 2.875" casing to circulate good cement out bradenhead valve. Shut well in 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.

# Jicarilla 123 C #23

## Proposed P&A

South Blanco Pictured Cliffs

990' FNL& 1600' FWL, NW, Section 5, T-25-N, R-4-W

Rio Arriba County, NM / API #30-039-21296

Today's Date: 01/13/05

Spud: 4/2/77

Completion: 5/17/77

Elevation: 6885' GL

12-1/4" hole

Nacimiento @ 1840'

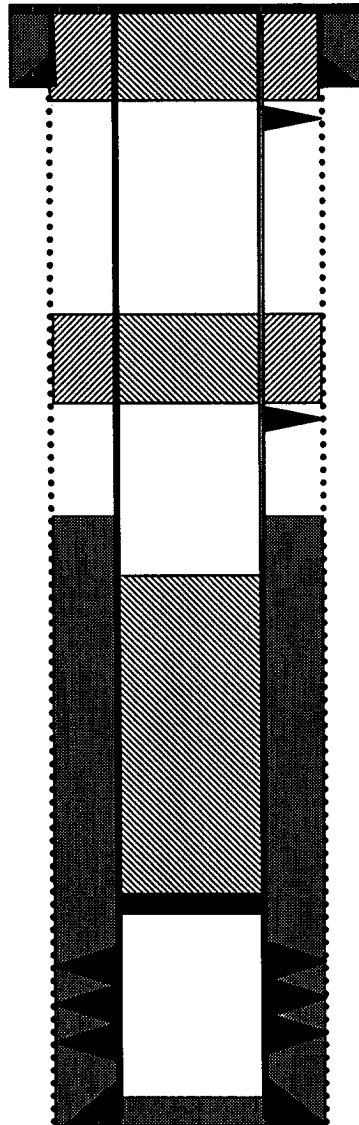
Ojo Alamo @ 2870'

Kirtland @ 3003'

Fruitland @ 3120'

Pictured Cliffs @ 3338'

6-3/4" hole



8-5/8" 24# K-55 Casing set @ 130' Cement with 277 cf (Circulated to Surface)

Perforate @ 180'

Plug #3: 180' - 0'  
Type III cement, 55  
sxs

Perforate @ 1890'

Plug #2: 1890' - 1790'  
Type III cement, 39 sxs  
31 sxs outside and 8 inside

TOC @ 2400' (T.S.)

Plug #1: 3300' - 2820'  
Type III cement, 15 sxs

Set CIBP @ 3300'

Pictured Cliffs Perforations:  
3342' - 3390'

2-7/8" 6.4# J-55 Casing set @ 3474'  
Cemented with 187 cf

PBTB 3473'  
TD 3485'

# **Jicarilla 123 C #23**

## **Current**

South Blanco Pictured Cliffs  
990' FNL& 1600' FWL, NW, Section 5, T-25-N, R-4-W  
Rio Arriba County, NM / API #30-039-21296

Today's Date: 01/13/05

Spud: 4/2/77

Completion: 5/17/77

Elevation: 6885' GL

Nacimiento @ 1840'

Ojo Alamo @ 2870'

Kirtland @ 3003'

Fruitland @ 3120'

Pictured Cliffs @ 3338'

