

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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)

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

750' ENL, 400' FEL, Sec. 19, T32N, R4W, NMPM

## 5. Lease Serial No.

NM 30015

## 6. If Indian, Allottee or Tribe Name

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

## 8. Well Name and No.

Carracus 19B 1

## 9. API Well No.

30-039-24401

## 10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

## 11. County or Parish, State

Rio Arriba 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 as per the attached procedures.

2005 APR 28 PM 4 56  
RECEIVED  
BTO FARMINGTON NM

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

Name (Printed/Typed)

Vicki Donaghey

Title

Regulatory Analyst

Date 04/26/05

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

APR 29 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.

## PLUG AND ABANDONMENT PROCEDURE

April 25, 2005

### Carracas Unit 19B #1

Basin Fruitland Coal

750' FNL & 400' FEL, Section 19, T32N, R4W

Rio Arriba County, New Mexico, API #30-039-24401

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. TOH and tally and 1.900" tubing, total 3963'. TIH and tag existing CIBP at 4000' or as deep as possible.
3. **Plug #1 (Fruitland perforations, Kirtland and Ojo Alamo tops, 4000' – 3355')**: 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 70 sxs cement and spot a balanced plug inside the casing above CR to isolate the Fruitland Coal perforations and to cover the Kirtland and Ojo Alamo tops. PUH to 2085'.
4. **Plug #2 (Nacimiento top, <sup>2316</sup>2085' – <sup>2216</sup>1965')**: Mix 15 sxs cement and spot a balanced plug inside the 5.5" casing to cover the Nacimiento top. TOH with tubing.
5. **Plug #3 (9.625" casing shoe and surface, 356' - Surface)**: Attempt to pressure test the bradenhead annulus to 300#: note the volume to load the BH annulus. If the BH annulus tests, then with tubing at 356', establish circulation out casing valve with water. Mix approximately 40 sxs cement and fill the 5.5" 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 then appropriate depth and attempt to establish circulation to surface. Then set an inside plug to cover the surface casing shoe and to fill the BH annulus to surface. TOH and LD tubing. Shut in well.
6. 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.

# Carracas Unit 19B #1

## Proposed P&A

Basin Fruitland Coal

750' FNL& 400' FEL, NE, Section 19, T-32-N, R-4-W

Rio Arriba County, NM / API #30-039-24401

Today's Date: 4/25/05

Spud: 10/7/89

Completion: 10/15/89

Elevation: 7340' GL  
7351' KB

12.25" hole

Circulated mud flush to Surface

9.625" 36#, Casing set @ 306'  
Cement with 159 cf (Circulated to Surface)

Plug #3: 356' – 0'  
Type III cement, 40 sxs

Nacimiento @ 2035'

Plug #2: 2085' – 1985'  
Type III cement, 15 sxs

Ojo Alamo @ 3405'

Kirtland @ 3576'

Plug #1: 4000' – 3355'  
Type III cement, 70 sxs

Fruitland @ 3877'

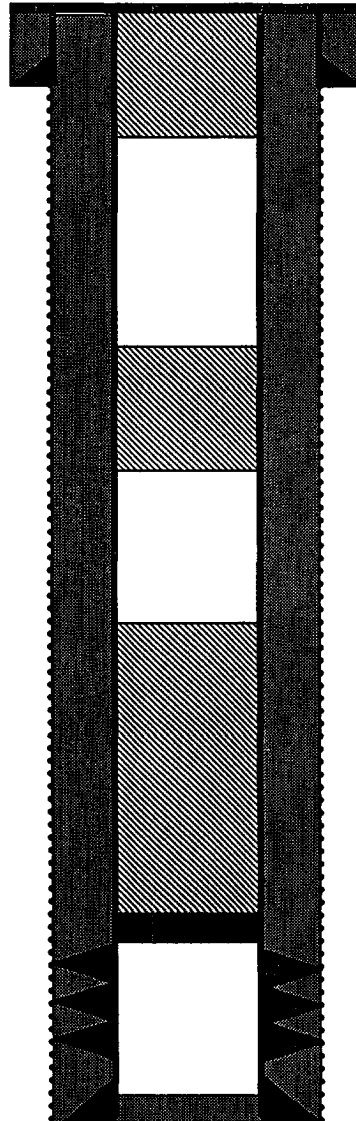
CIBP set at 4000' (2002)

Fruitland Coal Perforations:  
4096' – 4116'

8.75" hole

5.5" 15.5#, K-55 Casing set @ 4242'  
Cemented with 648 sxs (1574 cf)  
Circulated the mud flush to surface.

TD 4245'  
PBTD 4177'



# Carracas Unit 19B #1

## Current

Basin Fruitland Coal

750' FNL& 400' FEL, NE, Section 19, T-32-N, R-4-W

Rio Arriba County, NM / API #30-039-24401

Today's Date: 4/25/05

Spud: 10/7/89

Completion: 10/15/89

Elevation: 7340' GL  
7351' KB

12.25" hole

Circulated mud flush to Surface

9.625" 36#, Casing set @ 306'  
Cement with 159 cf (Circulated to Surface)

### WELL HISTORY

Aug '00: Re-perforate and frac Fruitland Coal zones.

Jun '02: MIT: Pull tubing; run scrape. Set CIBP at 4000'. PT casing to 550#. TA well. Re-run tubing.

Nacimiento @ 2035'

1.900 Tubing set at 3963'  
(121 joints with SN @ 3929')

Ojo Alamo @ 3405'

Kirtland @ 3576'

Fruitland @ 3877'

CIBP set at 4000' (2002)

Fruitland Coal Perforations:  
4096' - 4116'

8.75" hole

5.5" 15.5#, K-55 Casing set @ 4242'  
Cemented with 648 sxs (1574 cf)  
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