

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMMN 29340
2. Name of Operator ENERGEN RESOURCES CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 2198 Bloomfield Highway, Farmington, NM 87401	3b. Phone No. (include area code) 505-325-6800	7. If Unit or CA/Agreement, Name and/or No
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 365' FNL & 787' FEL, Sec. 36, T32N, R5W, NMPM BHL: 1256' FNL & 1284' FEL, Sec. 36, T32N, R5W, NMPM		8. Well Name and No. Carracas 36A 1
		9. API Well No. 30-039-26483
		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	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<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 with 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 11/24/03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date DEC 08 2003
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 & ABANDONMENT PROCEDURE

9/25/03

Carracas Unit 36 A #1

Basin Fruitland Coal
1256' FNL & 1284' FEL, Section 36, T-32-N, R-5-W
Rio Arriba Co., New Mexico, API #30-039-26483
Lat: N 36° 56' 34" / Long: W 107° 18' 25"

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 tally 1-1/2" IJ tubing, total 3822'. If necessary use a workstring. Round-trip 5-1/2" casing scraper to 3800'. (Note: deviated wellbore, a wireline gauge ring probably won't go down.)
3. ³³
Plug #1 (Fruitland Coal perforations and Fruitland top, 3786'– 3570'): TIH with tubing and set a 5-1/2" cement retainer at 3786' MVD. Pressure test tubing to 1000#. 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 ³⁰ sxs cement and spot a balanced plug inside the 5-1/2" casing to isolate the Fruitland perforations and to cover the top. PUH to 3260'. (Note: deviated wellbore, do not combine plugs #1 & 2; too much plug length.)
4. ^{3397' 3184'}
Plug #2 (Kirtland and Ojo Alamo tops, 3260'– 3020'): Mix 33 sxs cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH to 2050'.
5. ^{1866 1766}
Plug #3 (Nacimiento top, 2050' – 1950'): Mix 17 sxs cement and spot a balanced plug inside the casing to cover the Nacimiento top. PUH to 474'.
6. **Plug #3 (8-5/8" casing shoe, 474' - Surface)**: Mix and spot approximately 55 sxs cement inside the 5-1/2" casing from 474' to surface, circulate good cement out the casing valve. TOH and LD tubing. Shut in 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.