

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

JUL 05 2011

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.**

5. Lease Serial No.	NM 29760
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA/Agreement, Name and/or No.	
8. Well Name and No.	Carracas 14 A #13
9. API Well No.	30-039-24447
10. Field and Pool, or Exploratory Area	Basin Fruitland Coal
11. County or Parish, State	Rio Arriba NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> 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) 230' FSL, 380' FWL, Section 14, T32N, R05W	

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 checked="" type="checkbox"/> Other <u>Convert to</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	<u>Pressure Observati</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>on well.</u>

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 recomple 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 recomple 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 requests that the above well be changed from the previously approved Temporary Abandon (See NOI dated 9/1/2010) to a Pressure Observation Well. The well will be converted to POW status as follows:

1. All current production equipment will be removed. A packer, at the end of the tubing, will be installed within 100' of the top perforations (Fruitland Coal perforations are from 3,804' to 3,826; Top of Fruitland Formation is at 3,615').
2. A MIT pressure test to 500 psig for 30 minutes will be performed to verify casing mechanical integrity. The MIT will be chart recorded and cannot change pressure by more than 10% (NMOCD-Aztec and BLM-FFO will be notified 24 hours ahead of test to witness MIT).
3. Periodic pressure tests will be performed as required. A profile nipple and blanking plug will be run to shut-in the well. Energen will, at least once per year on a subsequent report, provide pressure data.
4. The well will be disconnected from the meter per NMOCD since it will be in the same spacing unit as Carracas 14 A #16, and thus cannot be produced at once the new well is drilled. The data well help in reservoir studies.

NOTE: See attached well data.

RCVD JUL 12 '11  
OIL CONS. DIV.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Justin Anchors	Title District Engineer
Signature <i>Justin Anchors</i>	Date 7/5/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title Office	Date JUL 06 2011
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		

# ENERGEN RESOURCES

## Pertinent Data Sheet

**Date:** 6/22/2011      **Well Name:** Carracas 14 A 13      **API#:** 30-039-24447      **DP#:** 3124447A  
**Unit:** M      **Sec:** 14      **Twp:** 32N      **Rge:** 5W      **Footage:** 230' FSL 380' FWL  
**County:** Rio Arriba      **State:** NM      **Spud:** 9/7/89      **Completed:** 10/16/89  
**Field:** Basin Fruitland Coal      **Elev:** 7275'      **TD:** 4,024' KB      **PBTD:** 3,972' KB      **KB:** 12' GL

⊗ **Perfs:** (initial) 10/89 3,804' -3,826' KB w/ 0.45EHD 4SPF Total 88 holes  
 (Reperf 6/2000) 3,804'-3,826' 0.42"EHD w/ 4 SPF total 88 holes

NOTE: Could not get past 3962' with bailer. Tagged hard fill.

**Frac:** (initial Frac) 500 gal. 15%HCL 1734 bbl 35# GW-X fluid 48,000# 40/70 sand 170,000# 20/40 sand  
 (Refrac 6/2000) 500 gallon 10% Formic, 82,012 gall. Delta 140 w/ SandWedge 173,000# 20/40 Brady.

\*TBG Details: TIH W/ PIN COLLAR, 1 JT OF 2-3/8", 4.7#, J-55 8rd EUE TBG, 4' PERF'D PUP JT OF 2-3/8", 4.7#, J-55, 8rd EUE, SEATING NIPPLE W/ 2-3/8" COLLAR (I.D. = 1.780") FOLLOWED BY 121 JT'S OF 2-3/8", 4.7#, J-55, 8rd EUE TBG SET @ 3866.76'. SEATING NIPPLE @ 3828.86'.

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
⊕ 12-1/4"	9-5/8"	36# J55	312' KB	184 cuft	circ
⊗ 8-3/4"	5-1/2"	15.5# K55	4,021' KB	1229 cuft	circ

Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
△ 2-3/8"	*See Above	4.7# J-55 EUE	3867'	3829'	

**Rod & Pump Record:** 2" X 1-1/2": X 16' RWAC PUMP (ENG #582), 2 1-1/4" SINKER BARS, 150 3/4" X 25' RODS W/ 2 GUIDES/ROD 2 3/4" X 8' & 1 3/4" X 4' PONY RODS & 22' X 1-1/4" POLISH ROD W/ 12' LINER & STUFFING BOX. (CHANGED LINER OUT).

Rod Size	# Rods	Length	Grade
3/4"	150	3750'	D

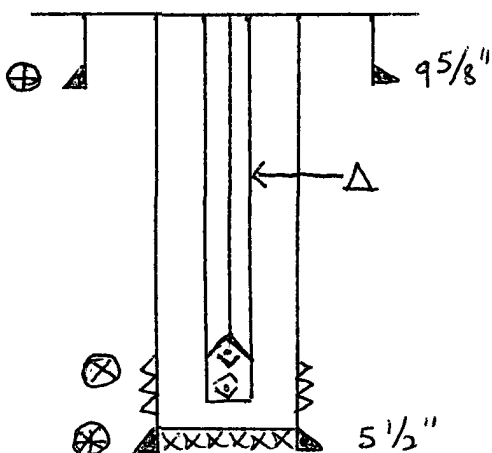
**Log Record:** Spectral Density, Dual Induction, Microlog, GR-CCL

### Formation Tops:

Ojo Alamo	3,170'
Kirtland	3,300'
Fruitland	3,615'
Pictured Cliffs	
Lewis	
Cliffhouse	

Menefee
Point Lookout
Mancos
Gallup
Graneros
Dakota

### Work History: (Current)



### (Proposed)

