

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 09 2009

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM 30351
2. Name of Operator Energen Resources Corporation		6. If Indian, Allottee or Tribe Name
3a. Address 2010 Afton Place Farmington, NM 87401	3b. Phone No. (include area code) 505.325.6800	7. If Unit or CA/Agreement, Name and/or No. Carracas Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 790' FSL 1,850' FEL Section 21 T32N R5W		8. Well Name and No. Carracas Unit 21A #15
		9. API Well No. 30-039-24424
		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 checked="" type="checkbox"/> Other <u>TA well</u>
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	<u>for 80 ACRE FRC</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>Infill</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.)

This change of plans is being submitted for the prior approved NOI to TA this well dated 8/16/2009.

During the TA process a leak was found in the casing from 2,293' to 2,515' - Energen via telephone notified both BLM-FFO(Steve Mason) and NMOCD(Kelly Roberts).

Energen will now TA the well as follows per direction from Steve Mason with BLM-FFO.

BLM-FFO and NMOCD-Aztec will be notified 24 hours before cementing.

1. A cement plug will be spotted on top of the CBP @ 3,600' - the plug will extend to 3,407'.

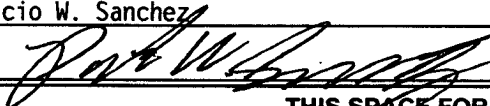
2. A second cement plug will be set from 3,180' to 3,025' - the plug will be tagged after 4 hours of set time to verify its position.

3. A cement retainer will be placed at 2,261' - and 100 sx of 50/50 G-Poz w/35 gel and 0.2% Halad 344 will be squeezed below the retainer - if more is needed to achieve a squeeze more will be pumped.

4. Upon stringing out of the retainer 5 sx of cmt will be placed on top - the workstring will be reversed out and 2% KCL with Anhib II will be circulated into the well. workstring and stinger will be laid down and a kill string will be ran back to 2,000'.

5. The casing will then be pressure tested to 500 psig for 30 minutes - BLM-FFO and NMOCD will be notified 24 hours in advance of pressure testing.

The well is being TA'd waiting for 80 Acre FRC infill - Energen will submit a sub. rpt each year.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Patricio W. Sanchez		RCVD OCT 15 '09 DIL CONG. DIV.
Signature 	Title District Engineer	DIST. 3
	Date 10/9/2009	

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title Office	Date OCT 09 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.		

NMOCD

# ENERGEN RESOURCES

## Pertinent Data Sheet

Date: 10/9/2007 Well Name: Carracas 21 A 15 API#: 30-039-24424 DP#: 3124424A  
 Unit: O Sec: 21 Twp: 32N Rge: 5W Footage: 790' fsl 1850' fel  
 County: Rio Arriba State: NM Spud: 7/14/1989 Completed: 9/19/1989  
 Field: Basin Fruitland Coal Elev: 7,030' TD: 3,952' PBTD: 3,729' KB: 12'  
 GL

Perfs: (new Perfs in 3-1/2" liner) 3,705'-3,727' w/ 4 SPF EHD = 0.43"

Frac: Original - 1,761 bbls of 35# GWX-9, 48,000# 40/70 sd, 170,000# 20/40 sd  
 Cavitated (7/7/99) and completed w/ 3-1/2" liner across interval

NOTE: HOWCO 5-1/2 Composite plug @ 3,600' (10/6/2009)

Casing leak (10/8/2009) @ 2,293' to 2,515' @ 1.5 BPM 850 PSIG w/ 2% KCL -8.42 ppg

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
12-1/4"	9-5/8"	36#J55	315'	174 cuft	circ
8-3/4"	5-1/2"	15.5#J55	3,952'	1,459 cuft	circ
4.95"	3-1/2"	9.3#J55	3,632'-3,731'	none	N/A

Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
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### Rod & Pump Record

Rod Size	# Rods	Length	Grade
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Log Record: Dual Induction Guard, Spectral Density DSNII, Microlog, GR-CCL

### Formation Tops:

Ojo Alamo	3,075'	Menefee
Kirtland	3,130'	Point Lookout
Fruitland	3,507'	Mancos
Pictured Cliffs		Gallup
Lewis		Graneros
Cliffhouse		Dakota

Current - (10/9/09)

Proposed - (TA) Hold For 80 ACRE INFILL

