

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 24 2014

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.*

Farmington Field Office  
Bureau of Land Management

5. Lease Serial No.  
Jicarilla Contract 67  
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 67 #20  
9. API Well No.  
30-039-22119  
10. Field and Pool, or Exploratory Area  
Blanco PC South  
11. County or Parish, State  
Rio Arriba NM

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

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ 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)  
1830' FNL, 1170' FWL, Sec. 30, T25N, R05W, N.M.P.M.  
(E) SW/NW

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 plugged and abandoned the subject well as per the attached.

RCVD FEB 26 '14  
OIL CONS. DIV.  
DIST. 3

RCVD MAR 4 '14  
OIL CONS. DIV.  
DIST. 3

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

Adam Klem

Title District Engineer

Signature

Date 2/24/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date  
FEB 24 2014

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

FARMINGTON FIELD OFFICE  
BY: [Signature]

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.

NMOCDA

# **A-PLUS WELL SERVICE, INC.**

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \*fax: 505-325-1211

Energen Resources Corporation  
**Jicarilla 67 #20**

February 10, 2014  
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1830' FNL and 1170' FWL, Section 30, T-25-N, R-5-W  
Rio Arriba County, NM  
Lease Number: Jicarilla Contract 67  
API #30-039-22119

## **Plug and Abandonment Report** Notified Jicarilla BLM and BLM and NMOCD on 1/31/14

### **Plug and Abandonment Summary:**

- Plug #1** with CIBP at 2477' spot 24 sxs (28.32 cf) Class B cement with 2% CaCl inside casing from 2476' to 1606' to cover the Pictured Cliffs, Kirtland and Ojo Alamo tops. Tag TOC at 1392'.
- Plug #2** with CR set early at 490' spot 88 sxs (103.84 cf) Class B cement from 630' to 308', during mix pump locked up leaving 63 sxs in annulus, 4 sxs under CR, calculated TOC in annulus 92'. RU pump to 8-5/8" BH, pump 1.5 bbls pressure test to 250 PSI. B. Powell, NMOCD and C. Placke, Energen approved to top off 2-7/8" casing cut off wellhead and use poly pipe to fill 8-5/8" annulus. Mix and pump 16 sxs circulated good cement out 2-7/8" casing valve leaving 13 sxs on top of CR to cover the Nacimiento top. Tag TOC at 80'.
- Plug #3** with 48 sxs (56.64 cf) Class B cement top off with poly pipe down 80' in casing and down 100' in 8-5/8" annulus to cover the surface casing shoe and install P&A marker.

### **Plugging Work Details:**

- 1/31/14 Rode rig and equipment to location. Spot in. SDFD.
- 2/3/14 Travel to location. Spot rig to wellhead. RU. Open up well; no pressures. RU wireline. TIH with 2-7/8" GR and tag at 1700'. Work GR down to 2051'. POH, drilling mud on tool. NU BOP. Change out pipe rams for 1-1/4" tubing. Function test BOP. RU relief lines. PU and tally PU 30 jnts (A-Plus workstring) 1-1/4" tubing, IJ, 2.1# total 982'. SI well. SDFD.
- 2/4/14 Open up well; no pressures. RU relief lines. PU and tally 1-1/4" tubing, IJ, 2.1#, PU 22 jnts total 1894'. Establish circulation with 2 bbls of water and pump an additional 9 bbls, establish circulation. Pump an additional 13 bbls of water and circulate out grey water. RU A-Plus wireline. PU 2-7/8" GR. RIH down to 2477' and stacked out. Attempt to work GR, down no results. Note: B. Powell, NMOCD, M. Decker, BLM and C. Placke, Energen approved procedure change. RIH and set 2-7/8" CIBP at 2477'. Establish circulation. Attempt to pressure test casing to 800 PSI, no test. Bled down 200 PSI in less than a minute. RU Basin Well Logging. Ran CBL from 2476' to surface calculated TOC at 1930'. Note: B. Powell, NMOCD request no cement pump on top of CR before CBL. LD logging tool. SI well. SDFD.
- 2/5/14 Open up well; no pressures. TIH with 38 stands to 2476'. Establish circulation. Spot plug #1 with calculated TOC at 1606'. WOC. Pressure test casing to 500 PSI, no test. Bled down to 200 PSI in less than a minute. TIH and tag TOC at 1392'. RU wireline. Perforate 3 bi-wire holes at 650'. TIH with 2-7/8" CR and set at 600' dragged up to 432'. Could not pull off plug, work wireline. Note: C. Placke, Energen, B. Powell, NMOCD and B. Clark, A-Plus approved to pull out of rope socket. Call on fishing tools. POH with wireline no collar location. SI well. SDFD.

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**Jicarilla 67 #20**

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### **Plugging Work Details (continued):**

2/6/14 Check well pressures: casing on vacuum and bradenhead 0 PSI, no tubing. RU relief line. Make up overshot and BHA to fish wireline setting tool. TIH to 687'. Catch fish TOH with recoverd overshot wireline setting tool; TIH with sawtooth cleanout. Tag top of RC at 490'. Establish circulation and circulate well clean. PU 1-3/4" wireline stinger. Sting into CR. Establish rate of 1 bpm at 500 PSI. Spot plug #2 with CR set early at 490' spot 88 sxs (103.84 cf) Class B cement from 630' to 308', during mix pump locked up leaving 63 sxs in annulus, 4 sxs under CR, calculated TOC in annulus 92'. RU pump to 8-5/8" BH, pump 1.5 bbls pressure test to 250 PSI. B. Powell, NMOCD and C. Placke, Energen approved to top off 2-7/8" casing cut off wellhead and use poly pipe to fill 8-5/8" annulus. Mix and pump 16 sxs circulated good cement out 2-7/8" casing valve leaving 13 sxs on top of CR to cover the Nacimiento top. ND BOP. Dig out wellhead. Fill out Hot Work Permit. Monitor well for LEL with gas monitor. No LEL. Cut off wellhead. Tag TOC at 80'. Top off with poly pipe down 80' in casing and down 100' in 8-5/8" annulus to cover the surface casing shoe. Spot plug #3 and install P&A marker. SDFD.

2/7/14 Travel to location. RD and MOL.

Mark Decker, BLM representative, was on location.