

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

NOV 26 2014

**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. Jicarilla 108
2. Name of Operator ENERGEN RESOURCES CORPORATION		6. If Indian, Allottee or Tribe Name Jicarilla Apache
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. Jicarilla 108
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1800' ENL, 1100' FWL, Sec. 14, T26N, R05W N.M.P.M. (E) SW/NW		8. Well Name and No. Jicarilla 108 16
		9. API Well No. 03-039-06495
		10. Field and Pool, or Exploratory Area S. Blanco Pictured Cliffs
		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 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 recomplate 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 recomplate 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.)

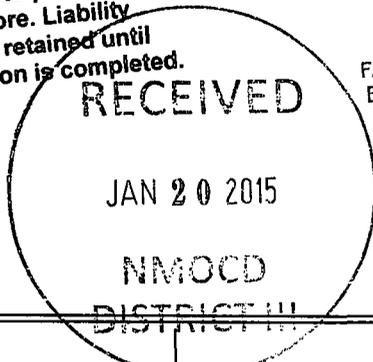
Engeren Resources permanently Plugged and Abandoned the Jicarilla 108 #16 according to the attached report.

ACCEPTED FOR RECORD

Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed.

JAN 14 2015

FARMINGTON FIELD OFFICE  
BY: D Polch



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

Patsy Berger

Title Sr. Production Assistant

Signature

*Patsy Berger*

Date 11/26/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

NMOC D V

## A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 \*fax: 505-325-1211

Energen Resources Corporation

Jicarilla 108 #16

November 17, 2014

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1800' FNL and 1100' FWL, Section 14, T-26-N, R-05-W

Rio Arriba County, NM

Lease Number: Jicarilla 108

API #30-039-06495

### Plug and Abandonment Report

Notified NMOCD and BLM on 11/11/14 and

Jicarilla BLM on 11/10/14

### Plug and Abandonment Summary:

- Plug #1** with CIBP at 3472' spot 10 sxs (11.8 cf) Class B cement from 3472' to 3384' to cover the Pictured Cliffs top. Tag TOC at 3416'.
- Plug #2** with 249 sxs (293.82 cf) Class B cement as follows: 1) mix and pump 169 sxs, 2) disp to CR, 3) sting out CR wash up pump pre mix 2% CaCl for 80 sxs, 4) mix and pump 80 sxs with 2% CaCl from 3400' to 2636' to cover the Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2613'.
- Plug #3** with CR at 1619' spot 61 sxs (71.98 cf) Class B cement from 1656' to 1469' with 39 sxs outside, 5 sxs below and 17 sxs above to cover the Nacimiento top.
- Plug #4** with 80 sxs (94.4 cf) Class B cement inside casing from 214' to surface as follows: 1) mix and pump 40 sxs circulate good cement to surface, 2) LD 7 jnts mix 4 sxs pressured up to 250 PSI break down circulate out bradenhead. Pump additional 36 sxs circulate good cement out bradenhead at surface to cover the surface casing shoe. Tag TOC at 32'.
- Plug #5** with 24 sxs Class B cement from 32' to surface top off casings and install P&A Marker at N 36° 29' 20.40" / W 107° 20' 1.68".

### Plugging Work Details:

- 11/11/14 Road rig to location. Spot in and RU. Open up well; no pressures. RU relief lines. ND rector head cap. RU pump to tubing. Pump 10 bbls down tubing. ND wellhead. NU BOP. LD 1-1/4" tubing on float. TOH and LD 116 jnts, MA with SN. SI well. SDFD.
- 11/12/14 Open up well; no pressures. RU A-Plus wireline. Round trip 5-1/2" GR to 3472'. PU 5-1/2" CIBP and set at 3472'. Tag CIBP at 3472'. Establish circulation with 46 bbls of water additional 10 bbls clean up returns. LD 2 jnts TOH with 110 jnts was open-ended. RU A-Plus wireline. Ran CBL from 3472' to surface, found no cement behind 5-1/2" casing. PU 4' tag sub TIH with 111 jnts. Establish circulation. Attempt to pressure test casing, no test. Establish rate of 3 bpm at 800 PSI, no test. Spot plug #1 with calculated TOC at 3384'. Establish circulation. Reverse circulate. SI well. SDFD.
- 11/13/14 Open up well; no pressures. TIH and tag TOC at 3416'. Establish circulation. Attempt to pressure test casing, no test. Establish rate of 3 bpm at 800 PSI. RU A-Plus wireline. PU HSC gun. RIH to 3614', casing collar at 3394', perforate squeeze holes at 3400'. PU 5-1/2" DHS CR and set at 3343'. Establish circulation. Attempt to pressure test casing to 800 PSI, lost 200 PSI in 2 minutes. Establish rate of 2 bpm at 900 PSI. Spot plug #2 with calculated TOC at 2636'. SI well. SDFD.

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Jicarilla 108 #16

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

11/14/14 Open up well; no pressures. Pressure test casing to 800 PSI, OK. RU A-Plus wireline. RIH and tag TOC at 2613'. Perforate 3 HSC squeeze holes at 1656'. Establish rate of 1.75 bpm at 1000 PSI. PU 5-1/2" DHS CR and set at 1619'. Establish circulation. Spot plug #3 with calculated TOC at 1469'. Perforate 4 HSC squeeze holes at 158'. Establish rate of 2 bpm at 1500 PSI. Slight blow out bradenhead. Attempt to pump down bradenhead with 5 bbls pressured up to 500 PSI found independent wellhead surface casing head seals are bad can't hold pressure. Attempt to pump, no circulation same rate as above. Wait on orders. Note: B. Hammond, Jicarilla BLM, K. Mason, BLM and B. Powell, NMOCD approved procedure change. TIH open-ended to 214'. Establish circulation. Spot plug #4 with TOC at surface. ND BOP. NU wellhead. Dig out wellhead. SI well. SDFD.

11/17/14 Open up well; no pressures. Tag TOC at 32'. Perform and write Hot Work Permit. Cut off wellhead. Found cement down 18" in 5-1/2" x 8-5/8" annulus and 32' in 5-1/2" casing. Spot plug #5 top off casing and install P&A marker with coordinates N 36o 29' 20.40"/W 107o 20' 1.68". RD and MOL in A.M.

Dakota Whitehawk, Jicarilla BLM representative, was on location.