

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

RECEIVED

## 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.

OCT 29 2013

SUBMIT IN TRIPLICATE - Other instructions on page 2  
Farmington Field Office  
Bureau of Land Management

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSE-080566
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.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1040' ENL, 1625' FEL, Sec. 3, T25N, R03W, Unit B (NW/NE)		8. Well Name and No. Ruddock 1
		9. API Well No. 30-039-06183
		10. Field and Pool, or Exploratory Area Tapacito 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 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.)

Energien Resources permanently Plugged and Abandoned the Ruddock #1 according to the attached procedure.

OIL CONS. DIV DIST. 3

NOV 05 2013

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Anna Stotts	Title Regulatory Analyst
Signature <i>Anna Stotts</i>	Date 10/28/13

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 N

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

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

Energen Resources Corp.  
**Ruddock 1**

September 16, 2013  
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1040' FNL and 1625' FEL, Section 3, T-25-N, R-3-W  
Rio Arriba County, NM  
Lease Number: NMSF-080566  
API #30-039-06183

## **Plug and Abandonment Report** Notified NMOCD and BLM on 9/3/13

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

- Plug #1** with 14 sxs (16.52 cf) Class B cement with 2% CaCl inside casing from 4072' to 3949' to cover the abandon interval. Tag TOC at 4012'.
- Plug #2** with 35 sxs (41.3 cf) Class B cement with 2% CaCl inside casing from 3970' to 3661' to cover the Pictured Cliffs, Fruitland and Kirtland tops. Tag TOC at 3737'.
- Plug #2a** with 12 sxs (14.16 cf) Class B cement inside casing from 3737' to 3632' to cover the Pictured Cliffs, Fruitland and Kirtland tops. Tag TOC at 3655'.
- Plug #3** with 28 sxs (33.04 cf) Class B cement with 2% CaCl inside casing from 3655' to 3408' to cover the Ojo Alamo top. Tag TOC at 3454'.
- Plug #4** with 28 sxs (33.04 cf) Class B cement inside casing from 2349' to 2102' to cover the Nacimiento top. Tag TOC at 2113'.
- Plug #5** with 122 sxs (143.96 cf) Class B cement inside casing from 248' to surface to cover the surface casing shoe.
- Plug #6** with 33 sxs Class B cement to top off casings and install P&A marker.

### **Plugging Work Details:**

- 9/4/13 Road rig and equipment to location. Check well pressures: tubing 10 PSI, casing 50 PSI and BH TSTM. RU relief lines and blow well down. Perform LO/TO. ND wellhead. NU BOP and function test. Attempt to unseat tubing hanger pulled 30,000 stuck. Put diesel on hanger and let sit overnight. SI well. SDFD.
- 9/5/13 Check well pressures: casing 20 PSI, tubing and bradenhead 0 PSI. ND BOP and remove tubing hanger. Strip on BOP. TOH and tally 134 jnts of 2-3/8" EUE tubing, SN at 4031' EOT at 4037'. TIH and tag up at 4072'. Spot plug # 1 with estimated TOC at 3949'. Continue to TOH. WOC. RIH with 5.5" GR and tag TOC at 4012'. TIH with 5.5" Wyoming type DHS CR and set at 3970'. Pressure test tubing to 1100 PSI, OK. Pump 60 bbls of water to circulate well clean. Note: D. Halliburton, BLM and B. Powell, NMOCD approved procedure change. SI well. SDFD.
- 9/6/13 Open up well; no pressures. RIH and tag at 3674'. Unable to get logging tool past 3674', POH. Note: Hit tight spot with GR at 3674'. PU 5.5" string mill and TIH through the tight spot from 3660' to 3729'. Repeated 15 times and TIH and tag up at 3950'. TOH and LD string mill. Ran CBL from 3946' to surface with cement from 3946 to 3654', 2386' to 2316' and strings to 2190' and 390' to 310'. SI well. SDFD.

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

- 9/9/13 Open up well; no pressures. Establish circulation. Attempt to pressure test casing at 800 PSI, leak. Spot plug #2 and #2a. SI well. SDFD.
- 9/11/13 Open up well; no pressures. Attempt pressure test casing to 850 PSI, bled down to 700 PSI and continue to bleed down. Tag TOC at 3655'. TOH. Perforate 3 HSC holes at 3618'. Attempt to establish circulation. Pressured up to 1250 PSI and bled down to 1100#. Repeat process 8 times with same results. Note: S. Mason and D. Halliburton, BLM and B. Powell, NMOCD approved procedure change. Spot plug #3 with estimated TOC at 3408'. TOH to 2557'. WOC. TIH and attempt to tag TOC at 3454'. SI well. SDFD.
- 9/12/13 Open up well; no pressures. Tubing on vacuum. TIH and tag TOC at 3454'. Pressure test casing to 850 PSI, bled down to 650 PSI, no test. Note: D. Halliburton, BLM and C. Perrin, NMOCD approved plug #4. Spot plug #4 with estimated TOC at 2102'. SI well. SDFD.
- 9/13/13 Open up well; no pressures. TIH and tag TOC at 2113'. Perforate 3 HSC holes at 205'. Establish rate of 2 bpm at 900 PSI. Spot plug #5 with estimated TOC at surface. Note: C. Perrin, NMOCD and D. Halliburton, BLM approved perforations. LD all tubing. Dig out wellhead. Write and perform Hot Work Permit. Cut off wellhead. Cement down 17' in annulus and 12' in 5.5" casing. Top off casings. Spot plug #6 and install P&A marker. RD. SDFD.
- 9/16/13 Travel to location. MOL.