

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

MAR 12 2012

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.  
NMSF-080375E

6. If Indian, Allottee or Tribe Name  
\_\_\_\_\_

7. If Unit or CA/Agreement, Name and/or No.  
\_\_\_\_\_

8. Well Name and No.  
Sheets C 5

9. API Well No.  
30-045-05561

10. Field and Pool, or Exploratory Area  
Ballard Pictured Cliffs

11. County or Parish, State  
San Juan 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)  
1470' FNL, 1230' FEL, sec 1, T. 25N, R. 8W

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 Sheets C 5 according to the attached procedure.

RCVD MAR 13 '12

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) Collin Placke Title District Engineer

Signature *Collin Placke* Date 03/09/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date MAR 12 2012

Office FARMINGTON FIELD OFFICE

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person to knowingly and willfully 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

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

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

Energen Resources  
**Sheets C #5**

March 5, 2012  
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1470' FNL and 1230' FEL, Section 1, T-25-N, R-8-W  
San Juan County, NM  
Lease Number: NMSF-080375E  
API #30-045-05561

## **Plug and Abandonment Report** Notified NMOCD and BLM on 2/25/12

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

- Plug #1** with CR at 2213' spot 76 sxs (89.68 cf) class B cement with 2% CaCl<sub>2</sub> inside casing from 2213' to 1558' to Pictured Cliffs interval and Fruitland top.
- Plug #2** with CR at 1438' spot 20 sxs (23.6 cf) class B cement inside casing from 1438' to 1266' to cover the Kirtland and Ojo Alamo tops.
- Plug #3** with CR at 125' mix and pump 97 sxs (114.46 cf) class B cement, squeeze 83 sxs below CR and establish circulation out annulus then spot 14 sxs cement to surface.
- Plug #4** Spot 30 sxs class B cement (35.4 cf) and top off annulus then install P&A marker.

### **Plugging Work Details:**

- 2/27/12 MOL and RU. Check well pressures: tubing and casing 60PSI; bradenhead 46 PSI. ND wellhead. PU on 1" production string to ensure tubing hanger free. NU wellhead. SI well. SDFD.
- 2/28/12 Stand by due to weather conditions.
- 2/29/12 Check well pressures: casing 50 PSI, tubing 35 PSI and bradenhead 20 PSI. ND wellhead. NU 8 1/8" companion flange and BOP test. X-over tubing equipment. TOH and LD 1" tubing. PU tubing workstring with 5.5" mill; round trip to 2221'. PU 5.5" DHS cement retainer and RIH. Attempt to set retainer at 2217'; will not set. Pump 20 bbls of water down tubing. Cement retainer finally set on 3<sup>rd</sup> try at 2213'. Sting out of CR. Pump 33 bbls of water down tubing and establish circulation out 5.5" casing. Circulate drilling mud out casing with total 60 bbls of water. SI casing valve. Attempt to pressure test; leak 2 bpm at 600#. Open casing valve. TOH with tubing and LD stinger. RU Basin Wireline. Run CBL from 2213' to surface. Found TOC at 1600'. SI well. RD Basin. SDFD.
- 3/1/12 Open up well and blow down 25 PSI on casing and bradenhead. TIH with tubing and tag CR at 2213'. Pump 61 bbls of water down tubing and establish circulation out 5.5" casing. Establish circulation. Spot Plug #1. PUH and WOC. TIH with tubing and tag cement at 1569'. PUH to 1401'. Perforate 3 squeeze holes at 1488'. PU 5.5" DHS cement retainer and RIH; set at 1438'. Sting out of CR. Attempt to pressure test casing; leak 2 bpm at 600 PSI. Sting into CR and attempt to establish rate into squeeze holes; pressured up to 1200 PSI and held. Sting out of CR. S. Mason, BLM, and B. Powell, NMOCD, approved procedure change. TOH and LD stinger. SI well. SDFD.

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Energen Resources  
**Sheets C #5**

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

3/2/12 Open up well; no pressures. TIH and tag cement at 1308'. Attempt to pressure test casing; leak. TOH and LD tubing. Perforate 3 squeeze holes at 151'. PU 5.5" DHS cement retainer and RIH; set at 125'. Sting out of CR. Pressure test casing to 500 PSI. Sting into CR and establish rate out perforations 2 bpm at 200 PSI. Spot Plug #3. TOH and LD tubing. SI well and WOC. ND BOP. Chip out 2' of cement and dig out wellhead. Issue Hot Work Permit. Cut off wellhead. Found cement at surface in 5.5" casing and down 25' in annulus. Spot Plug #4 and install P&A marker. SDFD.

3/5/12 Travel to location. Cut off anchors. Move off location.

Gail Clayton, BLM representative, was on location.