Form 3160-5 (August 2007)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

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SF 078161 6 If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an in abandoned well. Use Form 3160-3 (APD) for such proposals. 7. If Unit or CA/Agreement, Name and/or No. OCT 19 201 SUBMIT IN TRIPLICATE - Other instructions on page 2 1. Type of Well Farmington Field ( 8 Well Name and No. Oil Well X Gas Well Other Bureau of Land Mana #4 2. Name of Operator Energen Resources Corporation 9. API Well No. 3a. Address 3b. Phone No. (include area code) 30-045-21456 2010 Afton Place, Farmington, NM 87401 (505) 325-6800 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Otero Chacra Sec.12, T29N, R11W 1,560' FNL, 1,840' FWL Unit F 11. County or Parish, State CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Acidize Deepen Production (Start/Resume) Water Shut-Off Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Change Plans Plug and Abandon Temporarily Abandon Final Abandonment Notice Convert to Injection Plug Back Water Disposal Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. 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 once following completion of the involved operations. If the operation results in a multiple completion or recompletion 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 Loyd B #4 according to the attached procedure.

> RCVD NOV 2'10 OIL COMS. DIV.

> > DIST. 3

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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 Corporation Lloyd B #4

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1560' FSL & 1840' FWL, Section 12, T-29-N, R-11-W San Juan County, NM Lease Number: SF-078161 API#30-045-21456

**Plug and Abandonment Report** 

Notified BLM

#### **Plugging Summary:**

- 10/12/10 Travel to location. Check well pressures: casing and bradenhead, 12 PSI. Casing blew down; bradenhead stayed at 12 PSI. Bradenhead continued to blow and buildup. Casing remained at 0 PSI. Pump 20 bbls of water down casing; inject 2 bpm at 75 PSI. Bradenhead pressured up to 75 PSI. Stop pumping; casing went on vacuum and bradenhead fell to 50 PSI and held. Blow down bradenhead. Travel to yard and transfer equipment to Rig #9. Rode rig to location. RU. Open up well and blow down 10 PSI on bradenhead. ND wellhead. NU BOP, test. Tally and TIH with 1.25" tubing workstring to 3161'. Pump down tubing 1 bpm at 1200 PSI and establish circulation out casing and bradenhead with 21 bbls of water. SI bradenhead and pump 24.5 bbls of water until circulating clean returns. SI well. SDFD.
- 10/13/10 Check well pressure: tubing on vacuum; casing, 2 PSI; bradenhead, 22 PSI. Blow well down to pit. Establish circulation down tubing and out bradenhead and casing with 22.5 bbls of water. SI bradenhead and continue to circulate out casing with 24 bbls of water. Plug #1 spot 30 sxs Class B cement (35.4 cf) inside casing from 3161' to 2072' to isolate the Chacra interval. Displace with 3.25 bbls of water. PUH to 1953' and reverse circulate with 14 bbls of water. Establish circulation with 2.5 bbls of grey water and cement at 12.5 bbls with clean water after 13.5 bbls.

  TOH and WOC. RU Basin Wireline. Run CBL. Pump 90 bbls of dyed water and perform pump around test to locate hole in casing. No dyed water returned after 27 bbls. Stop test after pumping 2 bpm at 50 PSI down casing and out bradenhead. SI well. SDFD.
- 10/14/10 Open well; no pressure. TIH with 1.25" tubing to 2145'. Establish circulation down tubing and out bradenhead and casing with ½ bbl of water. Pump total 4 bbls of water with bradenhead SI. Jim Lovato, BLM representative, reviewed CBL and approved inside plugs to Ojo Alamo and surface plug as procedure approved.

**Plug #2** spot 14 sxs Class B cement (16.52 cf) inside casing from 2145' to 1637' to cover the Pictured Cliffs and Fruitland tops.

PUH and WOC. TIH and tag cement low at 1845'. Establish circulation with 2 bbls of water. Circulate well clean with 11 bbls of water. Bradenhead still circulating.

**Plug #2a** spot 32 sxs Class B cement (37.76 cf) from 1845' to 684' to cover the Fruitland, Kirtland and Ojo Alamo tops.

TOH and LD tubing. SI well. SDFD.

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### Plugging Summary - Continued:

10/15/10 Open well; no pressure. Bradenhead on vacuum. TIH with tubing and tag cement at 700'. TOH and LD tubing. Load casing with 3-1/4 bbls of water and circulate out bradenhead. Perforate 2 bi-wire squeeze holes at 179'. Establish circulation out bradenhead with 2 bbls of water.

**Plug #3** mix and pump 142 sxs Class B cement down 2.875" casing from 179' to surface, circulate 4 sxs cement to pit.

SI well and WOC. Dig out cellar. Found cement down 50' in casing and annulus. Issue Hot Work Permit. Cut off wellhead. RD rig and equipment.

**Plug #4** mix and pump 36 sxs Class B cement (42.48 cf) to fill casing and annulus; then install P&A marker.

MOL. SDFD.

Jamie Joe, BLM representative, on location.