

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>NM-03541</b>
2. Name of Operator <b>Energen Resources Corporation</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>2198 Bloomfield Highway; Farmington, NM 87401</b>	3b. Phone No. (include area code) <b>505.325.6800</b>	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1450' FSL, 790 FEL, Sec. 30, T28N, R9W, NMEP</b>		8. Well Name and No. <b>Hancock B #7</b>
		9. API Well No. <b>30-045-07136</b>
		10. Field and Pool, or Exploratory Area <b>Aztec Pictured Cliff</b>
		11. County or Parish, State <b>San Juan, NM</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 recompletable 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 recompletable 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 intends to plug and abandon the Hancock B #7 according to the attached plugging procedure.



2006 APR 20 PM 1 01  
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070 FARMINGTON NM

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Vicki Donaghey</b>	Title <b>Regulatory Analyst</b>
<i>Vicki Donaghey</i>	Date <b>04/18/06</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>Original Signed: Stephen Mason</b>	Title	Date <b>APR 24 2006</b>
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.

NM000

## PLUG AND ABANDONMENT PROCEDURE

March 7, 2006

### Hancock B #7

Aztec Pictured Cliffs

1450' FSL & 790' FEL, Section 30, T28N, R9W  
San Juan County, New Mexico, API #30-045-07136

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Project will require a Pit Permit (C103) from the NMOCD. However, a steel waste fluid pit will be utilized if the location conditions are appropriate.
2. Install and test location rig anchors. Prepare waste fluid holding pit if necessary. Comply with all NMOCD, BLM, and Energen safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. Round-trip 2.875" scraper or wireline gauge ring to 2062'. Tally and prepare a 1.25" IJ tubing workstring.
4. **Plug #1 (Pictured Cliffs perforations and Fruitland top, 2062' – 1760')**: RIH and set 2.875" wireline CIBP at 2062'. TIH with 1.25" workstring and tag CIBP. Load casing with water and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Spot 9 sxs Type III cement inside casing above CIBP to isolate the Pictured Cliffs perforations and the Fruitland top. TOH with tubing.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 1250' – 910')**: Perforate 2 bi-wire holes at 1250'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 2.875" cement retainer at 1200'. TIH and sting into CR. Establish rate into squeeze holes. Mix and pump 97 sxs cement, squeeze 87 sxs outside the casing and leave 10 sxs inside casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.
6. **Plug #3 (8.625" Surface casing, 172' - Surface)**: Perforate 2 squeeze holes at 172'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 50 sxs Type III cement down the 2.875" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
7. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.