

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <i>playa</i>		5. Lease Serial No. 14206032037
2. Name of Operator VULCAN MINERALS & ENERGY INC		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO, SHIP ROCK
3a. Address 10777 WESTHEIMER, SUITE 1100 HOUSTON, TX 77042		7. If Unit or CA/Agreement, Name and/or No. NMNM78393X
3b. Phone No. (include area code) Ph: 505.599.4068 Fx: 505.326.9880		8. Well Name and No. HGU 121
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T31N R17W SENE 1863FNL 0630FEL 36.87376 N Lat, 108.57547 W Lon		9. API Well No. 30-045-10402-00-S1
		10. Field and Pool, or Exploratory HORSESHOE
		11. County or Parish, and State SAN JUAN COUNTY, 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans
	<input checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back

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 site is ready for final inspection.)

(10/27/03) MIRU. Open up well, no pressures. RU Mote hot oil unit: 1st load tubing with 2.5 bbls of water, pressure test to 800#; 2nd pump 10 bbls of hot water down casing and work rods free; 3rd LD polish rod and 5 pony rods, Note: rods have heavy paraffin; 4th attempt to pump down tubing, plugged; 5th pump 65 bbls of hot water down casing, establish circulation out tubing; 6th pump on tubing, still plugged; 7th LD polish rod and try to screw into pump. Shut in well. SDON.  
(10/28/03) TIH with rods, attempt to screw into pump standing valve. TOOH and LD subs, guided rods, & sinker bars with pump. Install companion flange and NU BOP, test. Backhoe dug trench by rig floor so Three Rivers could suck out water during wet trip. TOOH (wet trip) and tally 43 joints 2-3/8" tubing, tubing pump, SN with 1 strainer nipple, total tally 1424'. Round trip 5-1/2" casing scraper to 1300'. TIH and attempt to set 5-1/2" DHS cement retainer at 1295' and 1330'. TOH with tubing and 5-1/2" DSH retainer. Retainer setting tool filled with paraffin and black sand. Shut in well. SDON.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #26439 verified by the BLM Well Information System For VULCAN MINERALS & ENERGY INC, sent to the Farmington Committed to AFMSS for processing by STEVE MASON on 12/31/2003 (03SXM0904S)	
Name (Printed/Typed) TAMMY WIMSATT	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 12/29/2003

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

Approved By <b>ACCEPTED</b>	STEPHEN MASON Title PETROLEUM ENGINEER	Date 12/31/2003
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 Farmington		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**NMOCD**

## **Additional data for EC transaction #26439 that would not fit on the form**

### **32. Additional remarks, continued**

(10/29/03) TIH with new 5-1/2" DHS retainer and set at 1295'. Pressure test tubing to 800#. Sting out of retainer. Circulate well clean with 23 bbls of water. Pressure test casing to 500#. Plug #1 with retainer at 1295', spot 29 sxs cement inside casing above CR up to 1039' to isolate the Gallup interval. TOOH and LD tubing. RU wireline truck. Perforate 2 squeeze holes at 188'. Establish circulation out bradenhead with 12 bbls of water. Plug #2 with 92 sxs cement pumped down the 5-1/2" casing from 188' to surface, circulate good cement out bradenhead. (Note: during cement job took 4 bbls of water to establish circulation then lost circulation in the middle of the job for approximately 1 bbl mix.) Shut in well and WOC. Dig out wellhead. Broke bull plug on casing head off with a shovel. TIH with tubing to 372', no cement tag. Burlington Resources required tag plug #1 and spot cement to surface. TIH with tubing and tag plug #1 at 1060'. Circulate well clean with 30 bbls of water, recovered 1 bbl of gray water. Shut in casing valve and attempt to circulate out bradenhead. Unable to establish circulation with 8 bbls of water. SI well. SDON.

(10/30/03) PUH to 247'. Write hot work permit. Weld cap on bradenhead where bull plug broke off. RU pump line on bradenhead valve and establish circulation outside surface casing around wellhead with 2 bbls of water. Wait on orders from BLM. Establish circulation out casing valve with 2 bbls of water. Plug #2a with tubing at 247', mix and pump 45 sxs cement: 1st fill the inside of the 5-1/2" casing to surface; 2nd TOH and LD tubing; 3rd pump bbl water into casing valve, no pressure; 4th wait for 30 minutes; 5th squeezed 1/8 bbl of water down casing, final pressure 500#. Shut in well. SDON. WOC overnight.

(10/31/03) Write hot work permit. Cut off wellhead. Found cement in casing down 23' and at the surface in the bradenhead annulus. Mix 12 sxs cement to fill casing and install P&A marker. RD. Rig released.

R. Maurer, Burlington Resources, representative was on location.

D. Benallie, Navajo Nation representative was on location.

Well was plugged and abandoned 10/31/03.