

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**  
Sundry Notices and Reports on Wells

1. **Type of Well**  
Oil Well

2. **Name of Operator**  
Vulcan Minerals & Energy, c/o NMOCD Aztec District Office

3. **Address & Phone No. of Operator**  
1000 Rio Brazos Road, Aztec, NM 87410 505-334-6178

4. **Location of Well, Footage, Sec., T, R, M**  
2110' FNL and 2020' FEL, Section 32, T-31-N, R-16-W,

5. **Lease Number**  
BIA #14-20-603-734

6. **If Indian, All. or Tribe Name**  
Navajo

7. **Unit Agreement Name**  
Horseshoe Gallup

8. **Well Name & Number**  
HSGU #43

9. **API Well No.**  
30-045-10194

10. **Field and Pool**  
Horseshoe Gallup

11. **County & State**  
San Juan County, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

| Type of Submission                                    | Type of Action                                  |  |
|---|---|--|
| <input type="checkbox"/> Notice of Intent             | <input checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans         |
|   | <input type="checkbox"/> Recompletion           | <input type="checkbox"/> New Construction        |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Plugging Back          | <input type="checkbox"/> Non-Routine Fracturing  |
|   | <input type="checkbox"/> Casing Repair          | <input type="checkbox"/> Water Shut off          |
| <input type="checkbox"/> Final Abandonment            | <input type="checkbox"/> Altering Casing        | <input type="checkbox"/> Conversion to Injection |
|   | <input type="checkbox"/> Other -                |  |

**13. Describe Proposed or Completed Operations**

A-Plus Well Service Plugged and Abandoned the above well NMSA 1978, Section 13-1-127, Purchase Agreement: 415210700028; Purchase Document: 05-199-000320.

12/8/04 MOL and RU rig. Well pressures: 50# tubing, 50# casing. Pull on rods and unseat pump. TOH and LD one 5/8" rod and 3 pony rods. Dig out bradenhead and check for cement. Shut in well.

12/9/04 Hot oil rods and tubing. POH and LD 42 - 5/8" rods. ND wellhead, NU BOP. TOH and LD 35 joints 2.375" tubing. PU A+ 2.375" workstring and round-trip 4.5" casing scraper to 1041'. TIH with tubing and set 4.5" DHS cement retainer at 1041'. Load casing with 40 bbls water and circulate well clean. Attempt to pressure test casing, no test. Sting into CR. Inject waste fluid from pit below CR. Plug #1 with CR at 1041', spot 28 sxs Type III cement (37 cf) inside casing above CR up to 641' to isolate the Gallup interval. TOH and LD tubing. Shut in well.

12/10/04 Attempt to pressure test casing, no test. Established circulation out bradenhead. RIH with wireline and tag cement at 512'. Perforate 3 squeeze holes at 152'. TIH with 6 joints tubing to 202'. Circulate bradenhead annulus clean with 5 bbls of water. Plug #2 with 115 sxs Type III cement (152 cf): 1<sup>st</sup> fill inside of 4.5" casing from 202' to surface, circulate good cement out casing valve; 2<sup>nd</sup> shut casing valve; and 3<sup>rd</sup> fill the annulus from 152' to surface, circulate good cement out the bradenhead. Shut in well. WOC. ND BOP. Dig out and cut off wellhead. Found cement down 5' in 4.5" casing and down 5' in the annulus. Mix 10 sxs cement to fill casing and install P&A marker. RD and MOL.

H. Villanueva, NMOCD was on location.

SIGNATURE William F. Clark Contractor

December 11, 2004

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_  
CONDITION OF APPROVAL, if any: \_\_\_\_\_

**ACCEPTED FOR RECORD**

Date

**JAN 24 2005**

**NMOCD**

**FARMINGTON FIELD OFFICE**  
BY Smn