

**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

660' FNL and 2021' FWL, Section 30, 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 #48

9. API Well No.

30-045-10421

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**☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment**Type of Action**☒ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☐ Other -☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection**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: 05-199-000440.

3/17/05 MOL and RU Rig. Check pressures: 0# tubing, 0# casing, 0# bradenhead. Pull on rods and unseat pump. LD 2 - 5/8" rods. Shut in well. RD and move to another well to prepare to hot oil it also.

3/18/05 MOL and RU. Hot oil rods and tubing. Pull and LD 53 - 3/4" rods. ND wellhead. NU BOP. TOH and LD 45 joints 2.875" tubing. Shut in well.

3/21/05 PU 39 joints A+ workstring and round trip 4.5" casing scraper to 1232'. TOH and LD scraper. TIH with 4.5" DHS CR and set at 1200'. Circulate casing clean with 18 bbls of water. Pressure test casing to 500#, held OK. Sting into CR. Inject waste fluid under CR. Sting out. Plug #1 with CR at 1200', spot 26 sxs Type III cement (34 cf) inside the 4.5" casing above the CR up to 823' to isolate the Gallup perforations. TOH and LD tubing. WOC. RU wireline and perforate 2 bi-wire holes at 145'. Circulate bradenhead annulus with 5 bbls of water. Shut in well. Wait for oil to separate in the bradenhead annulus. Circulate bradenhead annulus clean with 5 bbls of water. Plug #2 with 49 sxs Type III cement (65 cf) with 2.5% CaCl₂ pumped down the 4.5" casing from 145' to surface, circulate good cement out the bradenhead valve. ND BOP. Dig out and cut off wellhead. Found cement at the surface in the 4.5" casing and 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

March 22, 2005

(This space for Federal or State Office use)

APPROVED BY

Title

CONDITION OF APPROVAL, if any:

ACCEPTED FOR RECORD
Date

MAY 12 2005

NMOCD

FARMINGTON FIELD OFFICE
BY smm