

**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 &amp; 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**

1908' FNL and 1910' FWL, Section 24, T-31-N, R-17-W

**5. Lease Number**

BIA #14-20-603-2022

**6. If Indian, All. or**

Tribe Name

Navajo

**7. Unit Agreement Name**

Horseshoe Gallup

**8. Well Name & Number**

HSGU #91

**9. API Well No.**

30-045-10621

**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

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**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: 05-199-000321.

3/4/05 MOL and RU rig. ND wellhead. NU BOP. TOH and LD 45 joints 2.875" tubing. PU A+ workstring and round trip 5.5" casing scraper to 1358'. Shut in well.

3/7/05 TIH with 5.5" DHS CR and set at 1327'. Load casing with 32 bbls of water and pressure test to 500#, held OK. Sting out of CR. Plug #1 with CR at 1327', spot 29 sxs Type III cement (38 cf) inside the 5.5" casing above the CR up to 1052' to isolate the Gallup interval. TOH and LD tubing. Perforate 2 bi-wire holes at 167'. Circulate casing and bradenhead annulus clean with 11 bbls of water. Shut in well. Wait for oil to work its way to surface. Pump 2 bbls of water and wait on oil to get to the surface. Pump 8.5 bbls of water. Shut in well.

3/8/05 Circulate bradenhead annulus clean with 2 bbls of water, no oil. Mix 120# CaCl<sub>2</sub> into mix water. Plug #2 with 47 sxs Type III cement (62 cf) with 2.5% CaCl<sub>2</sub>, pump cement down the 5.5" casing 167' to surface to circulate good cement out the bradenhead, then shut bradenhead valve and squeeze 4 more sxs down the casing. Shut in well and WOC. ND BOP. Dig out and cut off wellhead. Found cement at the surface in the 5.5" casing and in the annulus. Mix 15 sxs cement to install the P&A marker. RD and MOL.

H. Villanueva, NMOCD was on location.

SIGNATURE

*William F. Clark*  
William F. Clark

Contractor

March 31, 2005

(This space for Federal or State Office use)

ACCEPTED FOR RECORD

APPROVED BY

Title

CONDITION OF APPROVAL, if any:

MAY 04 2005  
Date

FARMINGTON FIELD OFFICE  
BY *Smr*

NMOCD