

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.

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

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator *Vulcan Minerals & Energy*  
*% NMOC*

3a. Address *1000 Rio Brazos Rd.*  
*Aztec, NM 87410*

3b. Phone No. (include area code)  
*334-6178*

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

*Sec. 31, T31N, R 16W*  
*1980/NAE*

5. Lease Serial No.

*14-20-603-734*

6. If Indian, Allottee or Tribe Name

*Navajo*

7. If Unit or CA/Agreement, Name and/or No.

*Horseshoe Gallup*

8. Well Name and No.

*58 HGU*

9. API Well No.

*30045 10198*

10. Field and Pool, or Exploratory Area

*Horseshoe Gallup*

11. County or Parish, 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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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.)

*See Attached*



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

*NMOC CONTRACT Plugging*

Title

Signature *NMOC*

Date

*3/25/03*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: *Stephen Mason*

Title

Date

*3/25/03*

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, 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.

**NMOC**

API WELL # Well Name Well # Operator Name Type Stat County UL Sec Twp N/S Rng W/E Feet NS Ft EW Order\_No  
30-045-10198 HORSESHOE GALLUP UNIT 058 PLAYA MINERALS & ENERGY INC O A San Juan G 31 31 N 16 W 1980 N 1980  
E 8 5/8 99 115S 4 1/2 1248 140S 2 7/8 1169 1168-98

Procedure

MIRU, NUBOPE,

POOH Lay Down Rods & Tubing if present,

RIH with Gauge ring,

Pick up work string, Run Scraper if required,

RIH Set CIBP 1075 ', cap with 224 'cement .

Test casing.

POOH lay down tubing.

RU wire line RIH, perforate @ 149 ' + - 50' under surface casing shoe or Mesa Verde base whichever is lower..

Establish Circulation; circulate cement to surface inside and outside casing

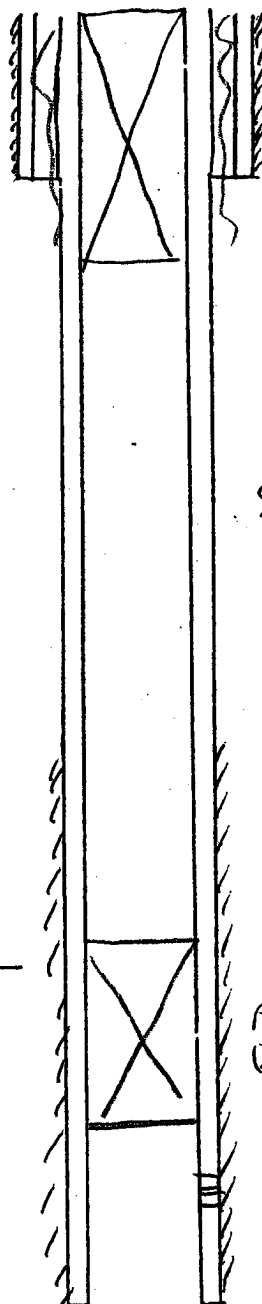
Cut off well head and install P&A marker

Cut off anchors 2' below ground

Clean and level location

WELL NAME SB HGU  
 SEC, TWN, RNG. 31-31N-16W

Manco



8 5/8" 24#

99'

plug 149'

$$149 / 10.96 (1.18) = 12 \text{ SKS}$$

$$50 / 4.3899 (1.18) = 10 \text{ SKS}$$

$$99 / 4.046 (1.18) = 21 \text{ SKS}$$

43 SKS

TOC  $\approx$  662' 75% = Ht.

Gallup

901'

plug 1075' - 851'

$$(1075 - 851) + 50 / 10.96 (1.18) = 21 \text{ SKS}$$

BPE @ 1075'

Perf 1168' - 1198'

4 1/2" 9.5#

1248'

### SURFACE CASING

SIZE HOLE \_\_\_\_\_"

SIZE CASING \_\_\_\_\_"

Annular Volume \_\_\_\_\_ ft<sup>3</sup>/ft.

Cement \_\_\_\_\_ SK

Volume \_\_\_\_\_ ft<sup>3</sup>

### INTERMEDIATE CASING

SIZE HOLE \_\_\_\_\_"

SIZE CASING \_\_\_\_\_"

Annular Volume \_\_\_\_\_ f

Cement \_\_\_\_\_ S

Volume \_\_\_\_\_ f