

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

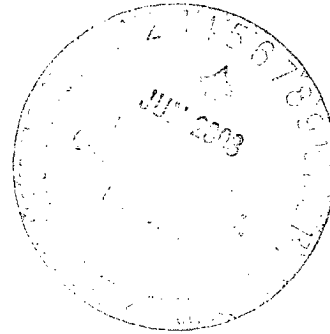
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <i>WSW</i>		5. Lease Serial No. <i>14-20-600-3531</i>
2. Name of Operator <i>Vulcan Minerals & Energy</i> <i>% NMOCD</i>		6. If Indian, Allottee or Tribe Name <i>Navajo</i>
3a. Address <i>1000 Rio Brazos Rd.</i> <i>Aztec, NM 87410</i>	3b. Phone No. (include area code) <i>334-6178</i>	7. If Unit or CA/Agreement, Name and/or No. <i>Horseshoe Gallup</i>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <i>Sec. 19 T. 31 N., R. 16 W.</i> <i>1375/S - 1815/E</i>		8. Well Name and No. <i>1-W HGU</i>
		9. API Well No. <i>300451055T 31522</i>
		10. Field and Pool, or Exploratory Area <i>Horseshoe Gallup</i>
		11. County or Parish, State <i>San Juan NM</i>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplete 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 recompletion 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 plugging procedure.



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

Name (Printed/Typed) <i>NMOCD Contract Plugging</i>	Title
Signature <i>NMOCD</i>	Date <i>6/3/03</i>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date <i>JUN 03 2003</i>
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.

NMOCD

Playa Minerals & Energy Inc,
Horseshoe Gallup Unit # 1
API# 30-045-~~31522~~ 10551

13 3/8 @ 108' w/130s 8 5/8 @ 2798 w/425s No rpt tbg Perf @ 2752-2230

Procedure

MIRU, NUBOPE,

POOH Lay Down Rods & Tubing if present,

RIH with Gauge ring,

Pick up work string, Run Scrapper if required,

#1 RIH Set CIBP 2120 ', cap with 64 ' cement . (Morrison)

Test casing.

POOH lay down tubing.

#4 RU wire line RIH, perforate @ 159 ' + - 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

→ Plug #2 1970 - 1870' to cover Dakota top.

#3 1094 - 994' to cover Gallup top inside & outside 8 5/8" casing.

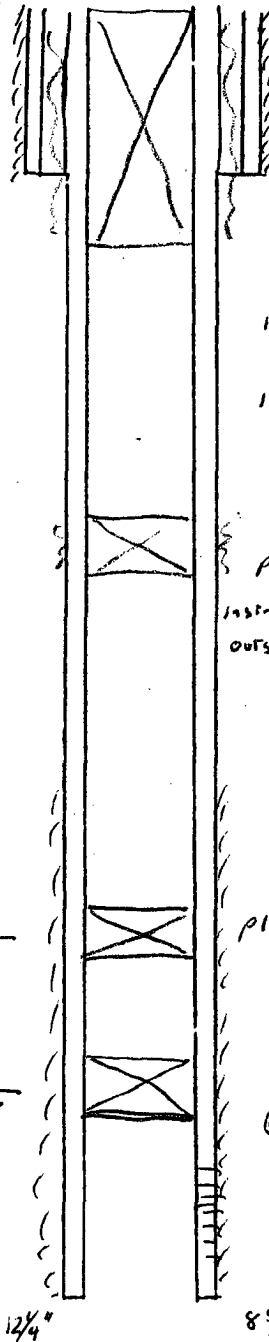
WELL NAME 1-W HGU
 SEC., TWN., RNG. 19-31N-16W

Magnacore (Point Lookout)
 Magnacos 10'

Gallup 1044'

Dakota 1920'

Morrison 2106'



13 3/8" 48#
109'

plug 159 - surface
 $159 / 3.362 (1.18) = 40 \text{ SKS}$
 $50 / 2.4229 (1.18) = 17 \text{ SKS}$
 $109 / 2.101 (1.18) = 44 \text{ SKS}$
 101 SKS

plug 1094 - 994'
 inside 150 / 3.362 (1.18) = 38 SKS
 outside 200 / 2.4229 (1.18) = 70 SKS

TOC \approx 1817' 75% eff.

plug 1970 - 1870
 $150 / 3.362 (1.18) = 38 \text{ SKS}$

plug 2120 - 2056
 $64 / 3.362 (1.18) = 16 \text{ SKS}$

BP @ 2120

Perf @ 2741 - 2220'

8 5/8" 32#
2798'

SURFACE CASING

SIZE HOLE _____"
 SIZE CASING _____"
 Annular Volume _____ ft³/ft.
 Cement _____ SK
 Volume _____ ft³

INTERMEDIATE CASING

SIZE HOLE _____"
 SIZE CASING _____"
 Annular Volume _____ f
 Cement _____ S
 Volume _____ f