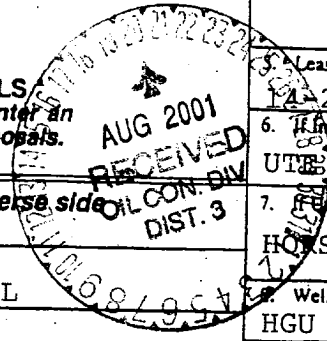


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

☐ Oil Well ☐ Gas Well ☒ Other WATER INJECTION WELL

Name of Operator

VULCAN MINERALS & ENERGY dba REGENT ENERGY

3a. Address HOUSTON, TX 77060

650 N. SAM HOUSTON PKWY. E. STE 500

3b. Phone No. (include area code)

281-931-3800

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

790' FSL, 3130' FEL

SECTION 28, T-31N, R-16W

5. Lease Serial No.

20-604-1951

6. If Indian, Allottee or Tribe Name

UTTE

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

HORSE SHOE GALLUP UNIT

8. Well Name and No.

HGU #167

9. API Well No.

30-045-10308

10. Field and Pool, or Exploratory Area

HORSE SHOE GALLUP UNIT

11. County or Parish, State

SAN JUAN, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 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.)

VULCAN MINERALS PLUGGED AND ABANDONED THE ABOVE WELL AS PER PROCEDURES  
APPROVED ON 8-01-2000.

SEE ATTACHED REPORT FOR DETAILED INFORMATION.

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

Name (Printed/Typed)

NATHAN E. CRAWFORD for Richard Pomrenke Title P&A SUPERVISOR

Signature

Date JULY 25, 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

Office

ACCEPTED FOR RECORD

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.

9152001

OFFICE

NM000



**Key Energy Services, Inc.**

Four Corners Division  
5651 US Highway 64  
P.O. Box 900  
Farmington, NM 87499

Phone: 505-327-4935  
Fax: 505-327-4962

**P&A OPERATION  
CEMENT SERVICE REPORT**

**WELL NAME:** HORSE SHOE GALLUP UNIT #167

**TOTAL PLUGS SET:** 2

**DATE STARTED:** 07-23-01

**TOTAL SACKS USED:** 150 SX

**DATE COMPLETED:** 07-24-01

**BLM WITNESS:** M. GREY-LOPE

**OPERATOR WITNESS:** N. WOODS

MOL AND SPOT RIG AND PLUGGING EQUIPMENT. RU RIG. BLED DOWN WELL, ND WELLHEAD AND RELEASE PACKER, WELL FLOWING AT 2 BBL/HR. NU BOP, TESTED BOP. POH AND STRAP OUT WITH 1556.46' OF 2 3/8" TBG AND LD PACKER.

**PLUG #1 (PERFORATIONS, 1213' - 1608'),** PU AND RIH WITH 5 1/2" RETAINER AND SET AT 1494'. CIRCULATED CASING AND ATTEMPTED TO PRESSURE TEST TO 500 PSI, DID NOT TEST. ESTABLISHED INJECTION RATE INTO PERFORATIONS AT .5 BPM WITH 500 PSI. MIXED 58 SX CL. B CEMENT PLUG AND PLACED 33 SX BELOW AND 25 SX ON TOP OF RETAINER. POH AND WOC. RIH AND TAGGED TOC AT 1213'. POH.

**PLUG #2 (SURFACE, SHOE, 0' - 308'),** RU WIRELINE AND PERFORATED SQUEEZE HOLES AT 308'. POH. ESTABLISHED CIRCULATION TO SURFACE WITH 30 BBL WATER. MIXED 92 SX CL. G CEMENT PLUG TO CIRCULATE GOOD CEMENT TO SURFACE. RD FLOOR AND ND BOP. CUT OFF WELLHEAD AND INSTALLED DRY HOLE MARKER. RD RIG AND MOL.

NATHAN E. CRAWFORD.  
P&A SUPERVISOR