

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

SF-078040

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

MUDGE A #2

9. API Well No.

3004510948

10. Field and Pool, or Exploratory Area

BLANCO MESAVERDE

11. County or Parish, State

SAN JUAN NEW MEXICO

Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

1. Name of Operator  
AMOCO PRODUCTION COMPANY

Attention:  
DALLAS KALAHAR

2. Address and Telephone No.  
P.O. Box 800, Denver, Colorado 80201 (303) 830-5129

3. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660 FNL 660 FEL Sec. 10 T 31N R 11W

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other BRADENHEAD REPAIR

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

4. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

CASING/WELLHEAD SEALS REAIR  
MV REPERF

PLEASE SEE ATTACHED FOR PROCEDURES.

RECEIVED  
APR 26 1994  
OIL CON. DIV.  
DIST. 3

RECEIVED  
APR 27 1994  
OIL CON. DIV.  
DIST. 3

ANY QUESTION CONTACT DALLAS KALAHAR AT (303) 830-5129.

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

Signed

*Dallas Kalahar*

Title

BUSINESS ANALYST

Date

04-05-1994

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

APPROVED

*[Signature]*  
DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes 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.

\* See Instructions on Reverse Side

NMCCD

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning

the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

## SPECIFIC INSTRUCTIONS

Item 4 - If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones,

## NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

**PRINCIPAL PURPOSE** - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

### ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2)
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION** - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

## BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

**BRADENHEAD REPAIR PROCEDURE**  
**MUDGE A 2 MV**

**April 4, 1994 (1st version)**

1. Record TP, SICP, SHCP and SIBHP.
2. MIRUSU.
3. TOH with 2 3/8" tubing.
4. TIH with a RBP and set at 3400'.
5. Determine free point of 4 1/2" casing.
6. TIH with string shot and back off of 4 1/2" casing at the nearest joint above the free point.
7. TOH with 4 1/2" casing. Inspect and replace any bad joints. Note any worthy findings of pipe condition.
8. TIH with a RBP and set in the 7" casing just above the 4 1/2" casing top. Cap with sand.
9. Run a GR/CBL from the RBP to surface and determine cemented intervals.
10. Perforate 2 squeeze perfs at 2640'.
11. Conduct a block squeeze on these perfs with 200 sacks of cement.
12. Perforate 2 squeeze perfs at 965'.
13. Attempt to obtain circulation to surface and clean up annulus.
14. Conduct either a circulation or block squeeze on these perfs with 400 sacks (block) or 200% of annular volume (circulation) of cement.
15. Rerun CBL and determine if additional squeezes will be necessary. Consult with NMOCD.
16. Drill out cement and clean out to RBP, TOH with same.
17. TIH with 4 1/2" casing, and a screw in joint. Screw into 4 1/2" casing top. Depending on the number of holes shot in the 7" casing, consider the possibility of installing a DV tool on the 4 1/2" casing and cementing back to surface. Consult NMOCD and Paul Edwards.
18. Pressure test casing.
19. TOH with RBP at 3400'.
20. RU wireline unit and run a GR correlation log from PBTB to 4100'.
21. Using lubricator, TIH with 3 1/8" casing gun and perforate, under balanced, the following intervals with 2 JSPF, 120 degree phasing and 15 g charges. Depths are correlated from Welex's Density Log dated 66/05/21.

PERFORATE

4451' - 58'	4472' - 76'	4488' - 4507'
4522' - 28'	4660' - 66'	4809' - 17'

22. Clean out to PBTB with N2 (5231').
23. Tie well back into surface equipment and return to production.