

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-078096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mudge B #19

9. API Well No.

3004510792

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan

New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Attention:

Amoco Production Company

Dallas Kalahar

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-5129

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

990'FNL

1090'FEL

Sec. 17 T 31N R 11W

12. 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

☐ 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.)

13. 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.)\*

Amoco Production Company intends to recomplete the subject well into the Mesaverde and dually produce the well with the existing Dakota formation, per the attached procedures.

RECEIVED  
JUN - 6 1994

OIL CON. DIV.  
DIST. 3

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

Signed

Dallas Kalahar / SP

Title

Staff Business Analyst

Date

05-23-1994

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED  
Date

MAY 23 1994

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

AIRS / I.E.

## 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.

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,

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.

## 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.

**RECOMPLETION PROCEDURE  
MUDGE B 19**

May 18, 1994 (1st version)

1. Record TP, SICP, SIICP, and SIBHP.
2. MIRUSU.
3. TOH with 2 3/8" tubing.
4. Clean out to PBTD (7550').
5. TIH with packer and tubing. Set packer at 7030'.
6. Pump the following acid job at no greater than 2 bbl/min:
  - Preflush : 2200 gal 15% HCl
  - Treatment : 2200 gal 35% ASOL, 65% (3% HF / 12% HCl) solution
  - Afterflush : 2200 gal 15% HCl
  - Displacement : 1250 gal 0.2% clay fix II / water
7. Swab back load ASAP.
8. Once returns do not contain acid then TIH with RBP and set at 6600', cap with sand.
9. Perforate 2 squeeze holes at 5050'.
10. Conduct a block squeeze by pumping 400 sacks of cement. The purpose of this squeeze is to isolate the MV Point Lookout for the upcoming frac. MV Cliffhouse isolation is also desired.
11. Drill out cement, do not pressure test, and run a CBL from 6600' to 2650', determine TOC from both the primary cement job and the recent squeeze. Correlate log to Lane Wells' Gamma Ray Neutron Log dated 60/08/25. Relay CBL to Paul Edwards so he can pick perfs for the recompletion.
12. Continue to perf and squeeze until the interval from 4100' to 5050' is well isolated. Do not worry about pressure testing the squeeze perfs as these perfs will eventually be shot again as a part of the recompletion.
13. Determine free point of 5 1/2" casing.
14. Backoff 5 1/2" casing near 2600' if possible.
15. TIH with RBP and set inside the 7 5/8" casing just above the 5 1/2" casing top.
16. Run a GR/CBL from the RBP to the surface and determine TOC for the 7 5/8" casing.
17. Perforate 2 squeeze holes within 200' of the TOC.
18. Attempt to circulate to surface, and conduct a cement squeeze with adequate cement.
19. Drill out cement.
20. Continue to squeeze until cement is to surface and squeeze perfs will test to 500 psig.
21. TOH with RBP set in the 7 5/8" casing.
22. TIH with 5 1/2" casing and screw back into 5 1/2" casing top.
23. Clean out 5 1/2" casing to RBP at 6600'.
24. Reset RBP to 4090', pressure test casing to 4250 psi.
25. Reset RBP to 5100', pressure test plug, and cap with sand.
26. RU lubricator, TIH with 4" casing guns and perforate the following Point Lookout intervals with 2 JSPF, 120 deg. phasing and 23 g charges.

**PERFORATE**

27. Fracture stimulate according to the attached frac schedule for the Point Lookout, tail in with resin coated sand.
28. SI overnight.
29. Flow back until fluid returns are minimal and sand entry has ceased.
30. Clean out with N2 to RBP at 5100', TOH with same.
31. Clean out to PBTD (7550') with N2.
32. Set permanent packer at 5300'.
33. TIH with 2 1/16" tubing and seal assembly. Land tubing at 7170' with a seating nipple one joint off bottom
34. TIH with 1 1/4" short string, with a seating nipple one joint off bottom and land at 4900'.
35. Rig up coiled tubing unit and run 1" coiled tubing inside the long string and land at 7044'.
36. Tie well back into surface equipment and turn over to production.