

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

6. Lease Designation and Serial No.

SF078039

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Barnes B #3A

9. API Well No.

3004522515

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

Amoco Production Company

Attention:

Julie L. Acevedo

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-6003

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

860FNL

1100FWL

Sec. 27 T 32N 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 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.)

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 perform the attached workover procedure required to eliminate bradenhead pressure.

In addition, Amoco also requests approval to construct a temporary 15'X15'X5' blow pit for return fluids. This pit will be reclaimed if utilized, upon completion of this procedure.

RECEIVED
AUG 30 1993
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
03 AUG 25 AM 10:07
070 PERM. DIV. NM

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

Signed

Julie L. Acevedo

Title

Sr. Staff Assistant

Date

08-18-1993

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

AUG 26 1993

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.

WORKOVER PROCEDURE
BARNES A 3A

August 19, 1993 (1st version)

1. Record TP, SICP, and SIBHP.
2. MIRUSU.
3. TOH with tubing.
4. TIH with RBP and set at 4800'.
5. Run a GR/CBL from 4800' to surface and determine top of cement for 7" casing and 4 1/2" liner. Verify that the PC, FT, and Ojo Alamo are isolated.
6. Pressure test casing and liner top to 500 psig. Locate leaks if necessary.
 - a) If leaks exist inside 4 1/2" liner, conduct cement squeeze(s) until hole(s) will test to 500 psig.
 - b) If leaks exist inside 7" casing, contact Paul Edwards in the Denver office before proceeding.
7. TIH with RBP and set within 100' of the TOC in the 7" casing, cap with sand.
8. Perf 2 squeeze holes within 100' of the TOC.
9. Establish circulation to surface, calculate annular volume with a dye, and pump 200% of annular volume of cement. Note returns to surface.
10. WOC at least 24 hours.
11. Drill out cement to RBP.
12. Pressure test squeeze perfs to 500 psig.
13. Resqueeze until pressure test holds, and cement is to surface.
14. TOH with upper RBP.
15. Swab fluid level down to 3500' from surface.
16. TOH with lower RBP.
17. If several holes were shot in the 7" casing, contact office for the possibility of running 4 1/2" or 5 1/2" casing to the liner top, or even backing off of the 4 1/2" liner hanger and then tying 4 1/2" casing back to the surface.
18. Using lubricator, TIH with 3 1/8" casing gun and perforate the following intervals with 4 JSPF and 120 degree phasing. Perforation depths should be checked against the GR log run in step 6 to ensure that the proper intervals are actually opened. Depths are correlated from Dresser Atlas' Densilog log dated 77/06/11.

MV Point Lookout Perforations

5529' - 32'	5534' - 38'	5564' - 72'
5575' - 77'	5589' - 92'	5730' - 32'

MV Cliffhouse Perforations

4918' - 22'	4937' - 39'	5082' - 86'	5100' - 07'
5111' - 15'	5118' - 21'	5135' - 38'	5149' - 59'
5165' - 67'	5270' - 72'	5309' - 11'	

19. TIH with RBP, packer and tubing. Set RBP at 5750' and packer at 5500'.

Note: If there is a faster way to go from the acid treatment to the swabbing without using the packer and RBP then let's consider it.

20. Pump the following acid job at no greater than 2 bbl/min:

Preflush	: 1100 gal 15% HCl
Treatment	: 1100 gal 35% ASOL, 65% (3% HF / 12% HCl) solution
Afterflush	: 1100 gal 0.2% clay fix II / water
Displacement	: 1050 gal 0.2% clay fix II / water

WORKOVER PROCEDURE
BARNES A 3A

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21. Reset RBP to 5320' and packer to 4865'.
22. Pump the following acid job at no greater than 2 bbl/min:
 - Preflush : 2150 gal 15% HCl
 - Treatment : 2150 gal 35% ASOL, 65% (3% HF / 12% HCl) solution
 - Afterflush : 2150 gal 0.2% clay fix II / water
 - Displacement : 1000 gal 0.2% clay fix II / water
23. TTH with open ended 2 3/8" tubing with a seating nipple one joint off bottom. Land tubing at 5575'
24. Swab back load ASAP.
25. Tie well back into surface equipment and return to production.

Note: All water which will contact the MV during this procedure should contain clay fix.

KCl water, when in contact with HF acid, will form unwanted precipitates. The preflush will ensure that any downhole KCl is displaced prior to the pumping of HF acid.

All acid must contain 50 lb of citric acid per 1000 gal. of solution to serve as an iron sequestering agent.

The time between pumping acid and swabbing back the load should be kept to a minimum.