

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. SF 078040	
2. Name of Operator Amoco Production Company		6. If Indian, Allottee or Tribe Name	
3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201 (303) 830-6003		7. If Unit or CA, Agreement Designation	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 850' FNL 990' FEL Sec. 1 T 31N R 11W		8. Well Name and No. Mudge A 4R	
		9. API Well No. 3004511877	
		10. Field and Pool, or Exploratory Area Blanco Mesaverde	
		11. County or Parish, State San Juan New Mexico	

12. CHECK APPROPRIATE BOX(s) 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"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Bradenhead Repair	<input type="checkbox"/> 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 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.

If you have any questions please contact Julie Acevedo at 303-830-6003.

**RECEIVED**  
APR 15 1993  
OIL CON. DIV.  
DIST.

APR 15 1993  
OIL CON. DIV.  
DIST.

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

Signed Julie Acevedo Title Sr. Staff Assistant Date 04-07-1993  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date APR 12 1993  
Conditions of approval, if any:

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 representations as to any matter within its jurisdiction.

BRADENHEAD PROCEDURE  
Mudge A 4R

1. Record TP, SICP, and SIBHP.
2. MIRUSU.
3. Blow down well and install BOP.
4. TOH with 2 3/8" tubing.
5. Make a scraper run inside both the 7" casing and the 4 1/2" liner to PBTD of 5385'.
6. TIH with RBP and set at 3900', cap with 5 sacks of sand.
7. Run a GR/CBL from 3000' to surface and determine top of cement for 7" casing and the 4 1/2" liner.
8. 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.
9. TIH with RBP and set at 2950', cap with 5 sacks of sand.
10. Perf 2 holes within 100' above the TOC.
11. Set a retainer 300' above TOC in 7" casing. If leaks were found above this point, a different approach to the squeeze may be necessary.
12. Establish circulation to surface, calculate annular volume with a dye.
13. Pump 200% of annular volume of cement through squeeze perfs. Annular volume is estimated to be 80 bbl.
14. WOC at least 24 hours.
15. Drill out cement to RBP.
16. Pressure test squeeze perfs to 500 psi.
17. Resqueeze until pressure test holds, and cement is to surface.
18. Retrieve both RBPs.
19. 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.
20. TIH with open ended 2 3/8" tubing with a seating nipple one joint off bottom. Land tubing at 5070' KB.
21. TIH with 1" coiled tubing and land at 5070' also.
22. Modify wellhead to accomodate coiled tubing.
23. Tie well back into surface equipment and return to production.

# Amoco Production Company

## ENGINEERING CHART

SUBJECT Mudge A 4B

Sheet No. \_\_\_\_\_ Of \_\_\_\_\_  
 File \_\_\_\_\_  
 Appn \_\_\_\_\_  
 Date \_\_\_\_\_  
 By PAE

