Form 3160-5
(June 1990)

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: SF-078051
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator: Amoco Production Company Attn: John Hampton
3. Address and Telephone No.: P.O. Box 800, Denver, Colorado 80201
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 880' FSL, 1600' FWL, Sec. 14, T31N-R11W

8. Well Name and No.: Neil LS 5
9. API Well No.: 30 045 10653
10. Field and Pool, or Exploratory Area: Blanco MV
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	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other BradenHead Repair	☐ Dispose Water

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

RECEIVED
OCT 22 1992
OIL CON. DIV.
DIST. 3

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.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

RECEIVED
BLM
92 OCT 13 PM 1:26
070 FARMINGTON, N.M.

14. I hereby certify that the foregoing is true and correct
Signed John Hampton/jla Title Sr. Staff Admin. Supv. Date 10-13-92

APPROVED
OCT 19 1992
AREA MANAGER

(This space for Federal or State office use)
Approved by _____ Title NMOCD Date _____
Conditions of approval, if any:

BRADENHEAD PROCEDURE
NEIL LS 5

OCT. 02, 1992 (ORIGINAL VERSION)

Note: Because the intermediate pressure immediately dropped when it was opened on 8/28/92, a packoff leak between the 4 1/2" and 7" casings is suspected.

1. Record TP, SICP, Intermediate Casing, and BH pressures.
2. MIRUSU.
3. Install BOP.
4. TOH hot with 2 3/8" tubing if possible.
   Note: Baker fullbore packer set at 4335'.
5. TIH with RBP. Set at 4050'. Cap with 5 sacks of sand, and load hole.
6. Blow down intermediate annulus and bradenhead pressures.
7. Determine free point of 4 1/2" casing.
8. TIH with string shot and back off of 4 1/2" casing at the nearest joint above the free point. Be prepared to kill well.
9. TOH with 4 1/2" casing. Inspect and note any worthy findings of pipe condition.
10. Clean out hole to 4 1/2" casing top. Use casing scraper for 7", 23 lb/ft casing.
11. TIH with RBP, set just above the casing top and cap with 5 sacks of sand.
12. Pressure test casing to 1000 psi. Locate leak if test fails, and establish an injection rate and pressure.
13. Run a GR/CBL from RBP to surface and determine top of cement for 7" casing. Make additional passes at higher pressures if bonding is not clear.
14. TIH with perforating gun and shoot one hole at 2675' and one at 2150'.
15. TIH with a cement retainer and set at 2200'. Establish circulation between the perfs and conduct a suicide squeeze in order to prevent cross migration between the PC and Fruitland.
16. WOC until cement is firm (24 hrs?) and then drill out cement.
17. Do not pressure test squeeze perfs.
18. Reset RBP 50' below TOC in 7" casing.
19. Perf one hole within 50' of the TOC.
20. Set a packer 50' above TOC in 7" casing. If leaks were found above this point, a different approach to the squeeze may be necessary.
21. Establish circulation to surface, calculate annular volume with a dye.
22. Pump cement through squeeze perfs. Annular volume is expected to be 50 bbl. Continue to pump until at least 30 bbl of GOOD cement returns are observed. If cement is circulated to surface, hook up to bradenhead and maintain the cement level at the surface.
23. WOC at least 24 hours.
24. Drill out cement to uppermost RBP.
25. Do not pressure test. Run a GR/CBL if cement did not circulate to surface.
26. Resqueeze until cement is to surface.
27. Retrieve upper RBP.
28. TIH with 4 1/2" casing, screw in joint, and DV tool. Tie back into 4 1/2" casing.
29. Open DV tool, establish circulation to surface, and cement to surface.
30. WOC at least 24 hours.

31. TIH with 3 7/8" bit and casing scraper and drill out to RBP. TOH.
32. TOH with RBP.
33. Remove packer set at 4335'.
34. TIH with original open ended 2 3/8" tubing and seating nipple. Clean out well to PBTD (4803'). Land tubing at 4781' KB.
35. Return well to production.

Amoco Production Company

ENGINEERING CHART

FILE

APPN

DATE

BY

SUBJECT Neil LS 5