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

8. Well Name and No.: Neil LS #3A

2. Name of Operator: Amoco Production Company Attn: John Hampton

9. API Well No.: 30-045-22734

3. Address and Telephone No.: P.O. Box 800 Denver, Colorado 80201

10. Field and Pool, or Exploratory Area: Blanco Picture Cliffs

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1600' FNL, 1105' FWL Sec. 15, T31N-R11W Unit "E"

11. County or Parish, State: San Juan, NM

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
JUN - 8 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 operation.

RECEIVED
92 MAY 28 PM 12:56
070 FARMINGTON, NM
BLM

Verbal approval was received from Steve Mason on 5/18/92. The approval was received by Julie Acevedo, Amoco Production Company.

Please contact Ed Hadlock (303) 830-4982 if you have any questions.

APPROVED
AS AMENDED
MAY 28 1992
Ken Townsend
AREA MANAGER

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

Signed John Hampton Title Sr. Staff Admin. Supv. Date 5/18/92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

NMOCD

PROCEDURE
NEIL LS 3A

1. Record PC tubing, MV tubing, casing, and bradenhead pressures.
2. MIRUSU.
3. Install BOP.
4. Blow down backside (Pictured Cliffs).
5. If possible, TOH hot with 1 1/4" tubing.
6. Attempt to blow down Mesaverde.
7. If possible, TOH hot with 2 3/8" tubing and seal assembly. Lay down bull plug, perforated subs, and any bad joints of tubing.
8. TIH with workstring, make a scraper run to liner top at 2788'.
9. Make a scraper run and clean out fill inside the 4 1/2" liner to 5280'.
10. Install lubricator. RIH with and set an RBP in the 4 1/2" liner at 4800'.
11. Run a GR/CBL from the RBP to the surface. Determine TOC behind the 4 1/2" liner and the 7" casing.
12. TIH with packer for 7" casing and set at 2700'. (Between liner top and the bottom perf)
13. Pressure test the liner top and the liner to 1000 psi.
14. If leaks exist, spot sand on the RBP, locate leaks, and squeeze until leaks will pressure test to 1000 psi. All squeeze work should be done without placing cement on the PC perfs from 2610' to 2659'.
15. TIH with and set RBP for 7" casing at 2575'.
16. Pressure test 7" casing to 1000 psi. If test fails, contact Paul Edwards in the Denver office before continuing. Squeeze strategies may change as a result.
17. Blow down bradenhead.
18. Perf one hole 50' above the top of cement in the 7" casing.
19. TOH with gun. TIH with tubing and packer. Set packer 200' above squeeze hole.
20. Establish circulation between tubing and bradenhead at high rates in order to clean out the annulus (optimally). Once returns are clean, pump a dye and calculate annular volume.
21. Conduct a cement squeeze by pumping 200% of the annular volume calculated in step 20. Cement should be class B, with 1% CaCl. Do not pump light cement.
22. If cement was circulated to surface, tie Halliburton into the bradenhead and maintain the cement level at the surface. WOC.
23. Drill out cement and pressure test squeeze hole to 1000 psi.
24. Continue to squeeze until cement is to surface and squeeze holes will test to 1000 psi.
25. TOH with both RBP's.
26. Install lubricator. Run a GR/CCL correlation log from PBTD to 4300'. Tie in with Gearhart/Owen's Induction Electric Log dated 1/6/78.
27. RIH with 3 3/8" casing gun and perforate the Mesaverde over the listed intervals with 4 JSPF, 90 deg. phasing, and 15 gram charges. Perforations are correlated to the Induction Electric Log.

PERFORATE

4858' - 73'	4882' - 97'	4907' - 16'
4924' - 30'	4936' - 48'	5130' - 43'

Neil LS 3A
Procedure (Cont.)

27. TIH with 2350' of 2 3/8" tubing, seal assembly for the polished bore receptacle, and 2790' of 2 3/8" tubing. Tubing should be open ended, contain a seating nipple one joint off bottom, and be landed near 5145'.
28. TIH with 2660' of open ended 1 1/4" tubing, also containing a seating nipple one joint off bottom.
29. Return well to production, swab if necessary.

Amoco Production Company

ENGINEERING CHART

Sheet No ____ Of ____

File ____

Appn ____

Date 5/15/92

By ____

SUBJECT Neil LS 3A