State of New Mexico Submit 3 Copies Form C-103 Energy, Minerals and Natural Resources Department to Appropriate District Office Revised 1-1-89 DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION WELL API NO. P.O.Box 2088 DISTRICT II P.O. Drawer DD, Artesia, NM 88210 3004507880 Santa Fe, New Mexico 87504-2088 5. Indicate Type of Lease FEE X STATE __ DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 6. State Oil & Gas Lease No. SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Abrams Gas Com C WELL OIL OTHER 2. Name of Operator Attention: 8. Well No. Amoco Production Company Gail M. Jefferson 3. Address of Operator 9. Pool name or Wildcat P.O. Box 800 (303) 830-6157 Denver Colorado 80201 **Aztec Pictured Cliffs** 4. Well Location 1650 Feet From The Unit Letter North 1650 Line and Feet From The Line Section 29N Township 10W Range **NMPM** San Juan County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING **TEMPORARILY ABANDON CHANGE PLANS** COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT PULL OR ALTER CASING CASING TEST AND CEMENT JOB Bradenhead Repair OTHER: 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103. Amoco Production Company requests permission to perform a Bradenhead Repair on the above referenced well per the attached procedures. If you have any technical questions please contact Mike Kutas at (303) 830-5159 or myself for any administrative concrns.

Sr. Admin. Staff Asst. 05-01-1995

TELEPHONE NO. (303) 830-6157

(This space for State Use)

TYPE OR PRINT NAME

SIGNATURE

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Gail M. Jefferson

DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAY - 2 1995

Notify OCD in time

DETAILED PROCEDURE:

NOTE: On 4-23-84 a casing leak was found at 820' and squeezed with 236cf class 'B' cement. Check for wellhead seal leak.

- 1. Contact Federal or State agency prior to starting repair work.
- 2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
- 3. Install and/or test anchors on location.
- 4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
- 5. Blow down well and kill well, if necessary, with 2% KCL water.
- 6. ND wellhead. NU and pressure test BOP's.
- 7. TIH and tag PBTD, check for fill. Trip and tally out of hole with tubing, checking condition of tubing.
- 8. TIH with bit and scraper to top of perforations. A seating nipple and standing valve may be run in order to pressure test tubing. TOH.
- 9. TIH with RBP and packer. Set RBP 50-100 ft. above perforations. TOH one joint and set packer. Pressure test RBP to 1500 psi.
- 10. Pressure test casing above packer. Isolate leak, if any, by moving packer up the hole and repeating pressure test.

NOTE: If this can not be accomplished, contact Mike Kutas in Denver at (303) 830-5159. If no leak is found, it may be necessary to perforate the casing below surface casing depth or above the top of cement in order to circulate cement to surface.

- 11. Establish injection rate into leak, if found, and attempt to circulate to surface.
- 12. Release packer, spot sand on RBP and TOH with packer.
- 13. Run, if necessary, a CBL and CCL to determine cement top.
- 14. Perforate casing above cement top, if necessary, with 4 JSPF and circulate dye to determine cement volume.
- 15. Depending on depth of hole and circulating pressure, a packer or cement retainer may be needed.
- 16. Mix and pump sufficient cement (Class B or equivalent, with a setting time of 2 hours) to circulate to surface. Shut bradenhead valve and attempt to walk squeeze to obtain a 1000 psi squeeze pressure. WOC.

- 17. TIH with bit and scraper and drill out cement. Pressure test casing to 1000 psi. TOH with bit and scraper.
- 18. TIH with retrieving head for RBP. Circulate sand off of RBP and TOH with RBP.
- 19. TIH with sawtooth collar and/or bailer and clean out hole to PBTD, if fill was found in step 7. TOH.
- 20. TIH with production string (1/2 mule shoe on bottom and seating nipple one joint off bottom) and land tubing mid-perfs at 1895-1900'. NDBOP. NU wellhead.
- 21. Swab well in and put on production.
- 22. RDMOSU.

If problems are encountered, please contact:

Mike Kutas

(W) (303) 830-5159

(H) (303) 840-3700