Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO.
30-039-82254

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.
CONT # 151

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name:
AXI APACHE K

1. Type of Well:
Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Conoco Inc.

8. Well No. 4

3. Address of Operator
P.O. Box 2197 DU 3066 Houston, TX 77252-2197

9. Pool name or Wildcat
72319-Mesa Verde/ 72439-Dakota

4. Well Location

Unit M : 990 feet from the SOUTH line and 1027 feet from the WEST line

Section 3 Township 26N Range 5W NMPM County RIO ARRIBA

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

11. 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	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

CONOCO, INC. SUBMITTED PROCEDURES FOR THIS WELL ON FEBRUARY 2, 2000 TO INSTALL A CEMENT A LINER TO REPAIR CASING LEAKS. THIS PROCEDURE HAS BEEN REVISED TO CHANGE THE LINER SIZE (SEE ATTACHED). CONOCO ALSO INTENDS TO CIRCULATE CEMENT PAST THE PERFORATION IN THE PC ABANDONING THIS POOL IN THE WELL. THE AZTEC OCD WILL BE NOTIFIED BEFORE THE WORK IS INITIATED.

Liner must be run to Top of Mesa Verde Perforations
If cement does not circulate verify cement Top
Cement must be 100' Above Pictured Cliff formation

No cement to be pumped down Liner Casing Annulus

FEB 2000 RECEIVED OIL CON. DIV DIST. 3

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

SIGNATURE Deborah Moore TITLE Regulatory Analyst DATE 2/4/00

Type or print name Deborah Moore Telephone No. (281) 293-1005

(This space for State use)

APPPROVED BY Charlie Perrin TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE FEB 8 2000

Conditions of approval, if any:

Install Liner and Stimulate
AXI Apache K-4
3M 26N 5W

Objective: Install flush joint liner to cover PC and bad casing (1859-3293), then stimulate the Mesa Verde to restore production.

Well Information:

Casing: 4.5" 10.5 lb/ft set at 5310'
Capacity - .01594 bbl/ft or .6698 gals/ft
Fill last tagged at 5993'
4.5" 11.6 lb/ft set from 5310' to 6150'

Tubing: 2 3/8" to 5486'
Capacity - .00387 bbls/ft or .1626 gals/ft
Total Volume – 21.2 bbls or 892 gals

2 1/16" Capacity .002979 bbls/ft or .1251 gals/ft

Pictured Cliffs Perforations: 3772'-3830'

Mesa Verde Perforations:

Cliff House 5436'-44', 5463'-68', 5472'-76', 5490'-5510' 1SPF

Point Lookout 6002'-08', 6010'-6020' 2SPF

1. Move in and rig up pulling unit.
2. Pull packer (3904') and lay down 2 3/8" tubing. Wash over packer if stuck from fill falling in from above.
3. Run composite bridge plug and set at approximately 4000'.
4. Dump 5' of sand on top of bridge plug.
5. Run one joint of 3.5" 9.3 lb flush joint liner with FL4S threads, a float collar and 3950' of 3.5" 9.3 lb flush joint liner with FL4S threads (lifting plugs and slip type elevators will be necessary). A stabbing guide shall be used while making all connections. Thread lock the bottom two joints of liner.
6. Cement liner as per BJ cementing recommendation using 100% excess. Attempt to reciprocate the liner while cementing. A wiper plug will be used. If the plug does not bump when the liner volume has been pumped (approx. 34.4 barrels), stop pumping (do not over displace). If cement returns to the surface are not achieved, WOC for two hours, then pump

cement down liner-casing annulus, using 50% excess. Do not exceed 500 psi while pumping the top down job. Note: a 3 ½" stripping rubber or BOP rams will be necessary to provide surface pressure control while cementing the liner.

7. After cement cures cut off liner at the top of the 4 ½" so the existing wellhead equipment can be used.
8. Pick up a bit and 2 1/16" IJ tubing. Drill out any cement in the liner, the float equipment, and composite bridge plug. Note: Air equipment or nitrogen will be required once the bridge plug is drilled. Continue in the hole with bit and clean out to below 6020'. Note: PBTD is 6150'.
9. Pull out of hole with bit.
10. Rig up jet washing tool on tubing and run in to below the bottom perforation (6020'). A flow control valve should be installed in the tubing string at least 700' below the surface when the jet washing tool is below the bottom perf. Jet wash the perforations with nitrogen foam making several passes through each set of perforations, rotating the tool between passes. Wash from the bottom up to minimize the amount of material passing clean perforations.
11. If the well is not unloading gas, spot acid across from Mesa Verde perforations and acidize with 1000 gallons of 15% HCl as per BJ acidizing procedure followed by 20 barrels of flush. Jetting tool may be used to pump into perforations once acid is below the surface. Swab back spent acid then POOH.
12. Run 2 1/16" IJ tubing to 5500' with seating nipple for plunger operations.
13. Nipple up wellhead for plunger operation and connect to sales. Note: wellhead valve must be 1.75" I.D.
14. Swab in well if necessary.

Acid Detail:

1000 gallons 15% HCL containing :
- 100 gallons EGMBE (US-40)
- 1 gallons of NE-940 surfactant
- 8 gallons of Ferrotrol-300L iron control agent
- 4 gallons of CI-22 corrosion inhibitor

(Note: acid additive emulsion tests should be run prior to pumping)

Flush Detail:

20 barrels of 1% KCl water

Prepared by: Pat Bergman
February 1, 2000