Form 9–331
Dec. 1973

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9–331–C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
CONOCO INC.

3. ADDRESS OF OPERATOR
P. O. Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1050'FSL & 930'FEL
AT TOP PROD. INTERVAL: —
AT TOTAL DEPTH: —

5. LEASE
Contract 151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
AXI Apache K

9. WELL NO.
5A

10. FIELD OR WILDCAT NAME
Blanco Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T-26N, R-5W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) change inplans			

JUL 26 1982

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

RECEIVED
JUL 26 1982
OIL CON. DIV.
DIST. 3

17. 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.)*

In reference to our request to multiple complete the subject well dated July 20, 1982, changes have been made in our procedures. The attached revised procedure is provided for your information. Please note the changes in Step 4, 9 and 16.

This work must be commenced by August 13, 1982 for 5 consecutive days.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED W. A. Bullock TITLE Administrative Supervisor DATE July 23, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
JUL 27 1982
For JAMES F. SIMS
DISTRICT ENGINEER

*See Instructions on Reverse Side

NMOCC

AXI APACHE K NO. 5A

TD: 5960' PBTD: 5876' ELEVATION: 6892' ZERO: 12' AGL

LOCATION: 1050' FSL & 930' FEL of Section 10, T-26N, R-5W, Rio Arriba, New Mexico

CASING: 8-5/8", 24#, K-55, ST&C surface casing @ 508' w/250 sx. cement (circ.)
5-1/2", 15.5#, K-55, ST&C production casing @ 5945' w/735 sx. cement

TUBING: 2-3/8", 4.7#, EUE, 8rd @ 5700'

PERFORATIONS: Mesa Verde, 5204'-5256', 5486'-94', 5682'-90', 5732'-40' (28 shots)

RECOMMENDED PROCEDURE

1. Rig up completion rig and install BOP.
   A. Kill well w/2% KCL TFW.

2. Tag for fill w/2-3/8" tubing.
   A. POOH w/2-3/8" tubing and tally.

3. GIH w/4-3/4" bit, 5-1/2" casing scraper and 2-3/8" tubing.
   A. Clean out casing to ±5876' (PBTD).
   B. POOH w/2-3/8" tubing, 5-1/2" casing scraper, and 4-3/4" bit.

4. GIH w/10' seal bore extension, Model 'B' Expendable Plug and 5-1/2" Model 'FB-1' Baker packer on wireline and set @ ~~±5175'~~ 4,000' per RDH 7/23/82
   A. Test packer and plugs to 2500 psi.
   B. Spot 5' sand on top of 5-1/2" Model 'FB-1' packer.
   C. Spot 84 gals. (2 bbls) 15% HCL-NE-FE (inhibit acid for 48 hrs @ 120°F) acid from ±3580' to ±3500'.
   D. POOH w/2-3/8" tubing.

5. Rig up wireline unit.
   A. GIH w/wireline and GR-PDC logging tool.
   B. Log from ±3700' to ±3300'.
   C. POOH w/wireline and GR-PDC logging tool.

6. GIH w/4" decentralized select-fire perforating gun (Premium Charges, 0° phasing, 1 JSPF, 0.40" EHD) collar locator and wireline inside 5-1/2" casing.

7. Perforate the Pictured Cliffs interval at 3530', 32', 34', 36', 42', 44', 46', 48', 50', 52', 54', and 56'. (Total: 12 Perforations)
   A. POOH w/collar locator and 4" perforating gun.
      NOTE: Above depths are based upon an old log and will be correlated w/GR-PDC log for exact depth.
      NOTE: Interval is to be perforated from top to bottom.

8. GIH w/5-1/2" treating packer and 2-3/8" tubing.
   A. Set 5-1/2" treating packer @ ±3400'.

9. Breakdown Pictured Cliffs interval (from ±3530' to ±3556') through 2-3/8" tubing @ 3-5 BPM.
   A. Pump 1512 gals. (36 bbls) 15% HCL-NE-FE (inhibit acid for 24 hrs. @ 120°F)
      1. Release 2 ballsealers after every 3 bbls acid pumped. (Total: ~~12~~ 24 per RDH 7/23/82 - 1.3 S.G. ballsealers)
      2. Attempt to achieve ballout.
   B. Flush w/588 gals. (14 bbls.) 2% KCL TFW w/1 gal. Adomall /1000 gals.

10. Release 5-1/2" treating packer @ ±3400'.
    A. POOH w/5-1/2" treating packer and 2-3/8" tubing.

11. Run a wireline junk basket and retrieve balls, reperforate if less than 7 holes appear to be open.

12. GIH w/2-3/8" tubing, 10' 2-3/8" blast joint on top joint, and set @ ±3540'.

13. Foam Frac Pictured Cliffs (±3530' to 3556') through 5-1/2" casing and 2-3/8" tubing annulus in one stage as follows:

    Pump Rate: 25 BPM
    Estimated Surface Treating Pressure: 2350 psi

    A. Pump 7014 gals. (167 bbls) foam pad.
    B. Pump 4746 gals. (113 bbls) foam w/ .5 ppg 10/20 sand.
    C. Pump 6468 gals. (154 bbls) foam w/ 1 ppg 10/20 sand.
    D. Pump 10,752 gals. (256 bbls) foam w/ 1.5 ppg 10/20 sand.
    E. Pump 15,918 gals. (379 bbls) foam w/ 2 ppg 10/20 sand.
    F. Pump 5166 gals. (123 bbls) foam w/2.5 ppg 10/20 sand.
    G. Flush w/2520 gals. (60 bbls) foam flush to 200' above perfs.

    Total Foam: 52,584 gals. (1252 bbls)
    Total Water: 15,775 gals. (376 bbls)
    Total Nitrogen: 975,308 scf
    Total Sand: 69,720 lbs. 10/20 sand
    Sand Concentration at blender: 8.3 lbs/gal

14. Record ISIP and pressures every 5 minutes for 15 minutes. Leave well shut in for 1 to 2 hours and clean up by gradually increasing flow rate.

15. Shut well in for 7 day build up.

16. Rig up completion unit and install BOP.
    A. Kill well if necessary w/2% KCL TFW.
    B. POOH w/seating nipple and 2-3/8" tubing.
    C. GIH w/5' production tube, 1 Jt. 2-1/16" tubing, 1.45" Model 'F' nipple, expendable circulating check valve, 1 Jt. 2-1/16" tubing and Model 'G' seal bore assembly, 30' blast joint from ±3533' to ±3563', and 2-1/16" IJ tubing.
    D. Knock out Model 'B' Expendable plug.

E. Latch into 5-1/2" Model 'FB-1' packer @ ±5175'.
F. Drop ball and pressure up knocking out expandable circulating check valve.
G. GIH w/seating nipple and 1-1/4" IJ, J-55, 2.33# tubing set @ ±3540'.
H. Flange up wellhead.
I. (Substitute "F" step here). per RDH on 7/23/82
J. Blow around Pictured Cliffs w/nitrogen.
K. Place wells on production.

Dirk Haymes ENGINEER	7/20/82 DATE
J.B. Robert SUPERVISING PRODUCTION ENGINEER	7-20 DATE
D.L. Wacker DIVISION ENGINEER	7-20 DATE
H.D. Myers DRILLING SUPERINTENDENT	7-20 DATE

CC: WELL FILE, DLW, GWF, RDH, HDM