

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

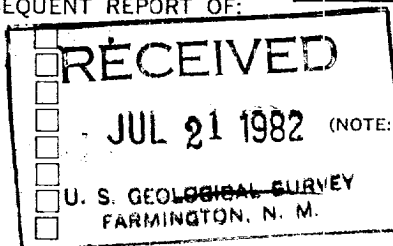
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1050' FSL & 930' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☒
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:



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)

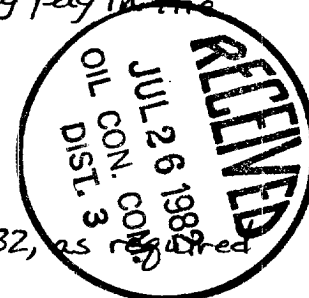
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to dual complete the subject well by opening pay in the Pictured Cliffs formation.

See attachments for procedures and BOP specs.

There will be no additional surfaced disturbance.

This dual completion must be commenced by August 13, 1982, as required by MMS-Albuquerque in a letter dated June 11, 1982.



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

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

SIGNED W. A. Butterfield TITLE Administrative Supervisor DATE July 20, 1982

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL _____

APPROVED

JUL 23 1982

JAMES F. SIMS
DISTRICT ENGINEER

NMOCC

*See Instructions on Reverse Side

AXI APACHE K NO. 5A

TD: 5960' PBDT: 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' (PBDT).
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'.
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 - 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 perms.

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.
- J. Blow around Pictured Cliffs w/nitrogen.
- K. Place wells on production.

Dike Haymes
ENGINEER

7/20/82
DATE

J.B. Rebert
SUPERVISING PRODUCTION ENGINEER

7-20
DATE

D.L. Wacker
DIVISION ENGINEER

7-20
DATE

Jd. D. Murren
DRILLING SUPERINTENDENT

7-20
DATE

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

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-11
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

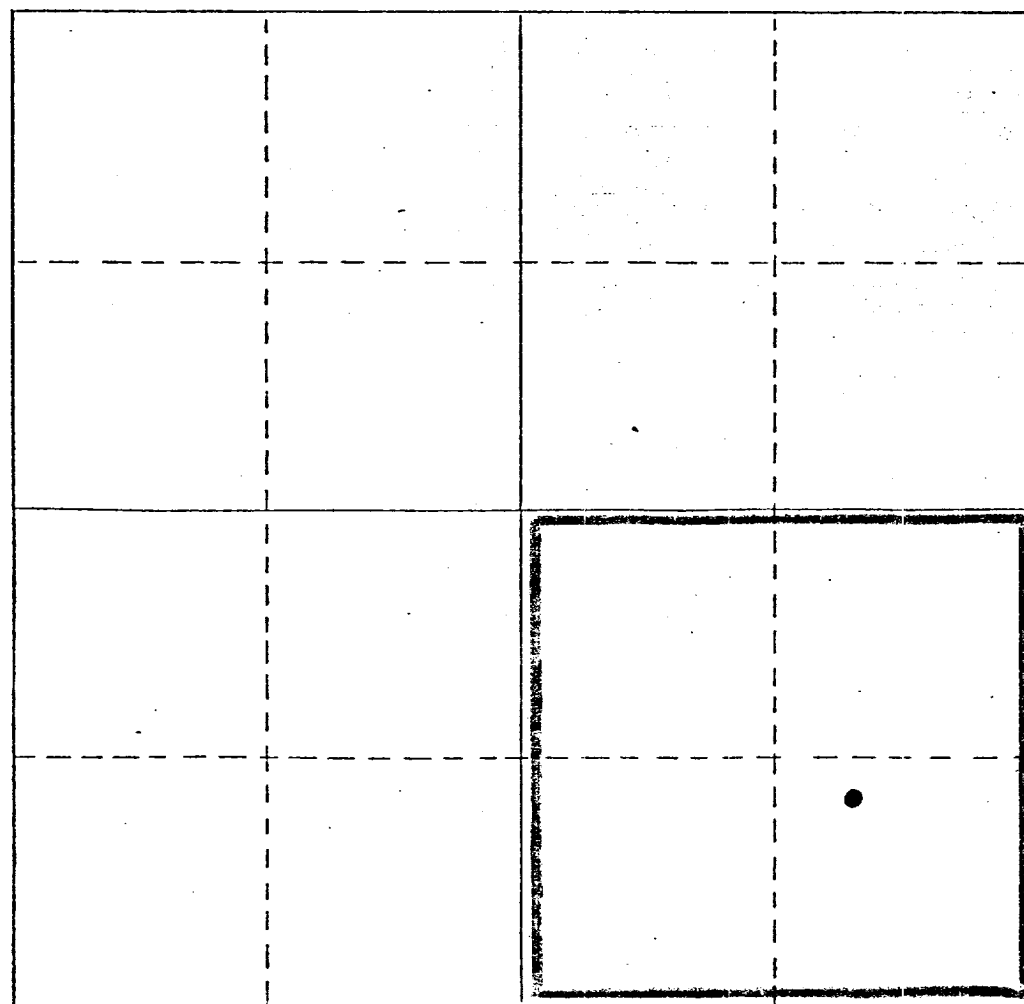
Operator Conoco Inc.			Lease AXI Apache K			Well No. 5A		
Unit Letter P	Section 10	Township 26 N	Range 5 W	County Rio Arriba				
Actual Footage Location of Well: 1050 feet from the South line and 930 feet from the East line								
Ground Level Elev.		Producing Formation Pictured Cliffs		Pool Blanco Pictured Cliffs		Dedicated Acreage: 160 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name
Wm A. Vautour
Position
Administrative Supervisor
Company
Conoco Inc.

Date
July 29, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

AXI Apache K' No. 5A

Elevation : 6892'

Zero : 12' AGL

Location :

1050 FSL + 930 FEL of
Section 30, T26N, R-SW
Rio Arriba, New Mexico

1 1/4", IJ, J-55, 2.33" @ ± 3540'

8 5/8", 24", K-55, ST+C @ 508'
w/ 250 sxs. cmt. (circ)

3540' - 3556' Pictured Cliffs
(12 shots)

2 1/16", IJ, J-55, 3.25" @ ± 5175'

Model FB-Ipucker @ ± 5175'

5204' - 56'

Mesa Verde

5486' - 94'

(28 shots)

5682' - 90'

5732' - 90'

5 1/2", 15.5", K-55, ST+C @ ± 5945'
w/ 735 sxs. cmt.

TD : 5960'

PBTD : 5876'

Conoco Inc.
Calculation Sheet

RDH

Checked by

Date 7/7/82

Title Proposed

Find Pictured Cliffs/Mesa Verde

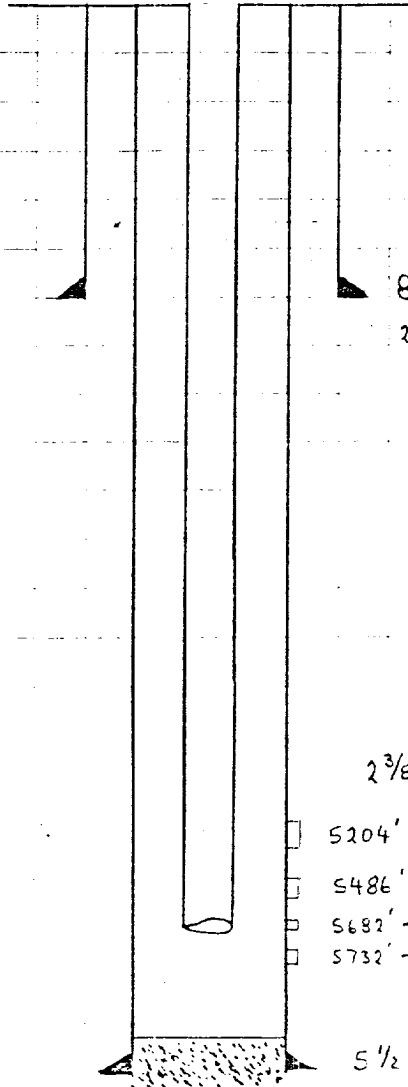
AXI Apache k No. 5A

Elevation : 6892'

Zero : 12' AGL

Location :

1050 FEL + 930 FEL of
Section 10, T-26N, R-SW
Rio Arriba, New Mexico



8 5/8", 24", K-55, ST+C @ 508' w/
250 sxs cnt. (circ.)

2 3/8", 4.7", EUE, 8" @ 5700'

5204' - 56'

5486' - 94'

5682' - 90'

5732' - 40'

Mesa Verde
(2.3 shots)

5 1/2", 15.5", K-55, ST+C @ 5945' w/ 735 sxs cnt.

TD : 5960'

PBTD : 5876'

RDH

Conoco Inc.
Calculation Sheet

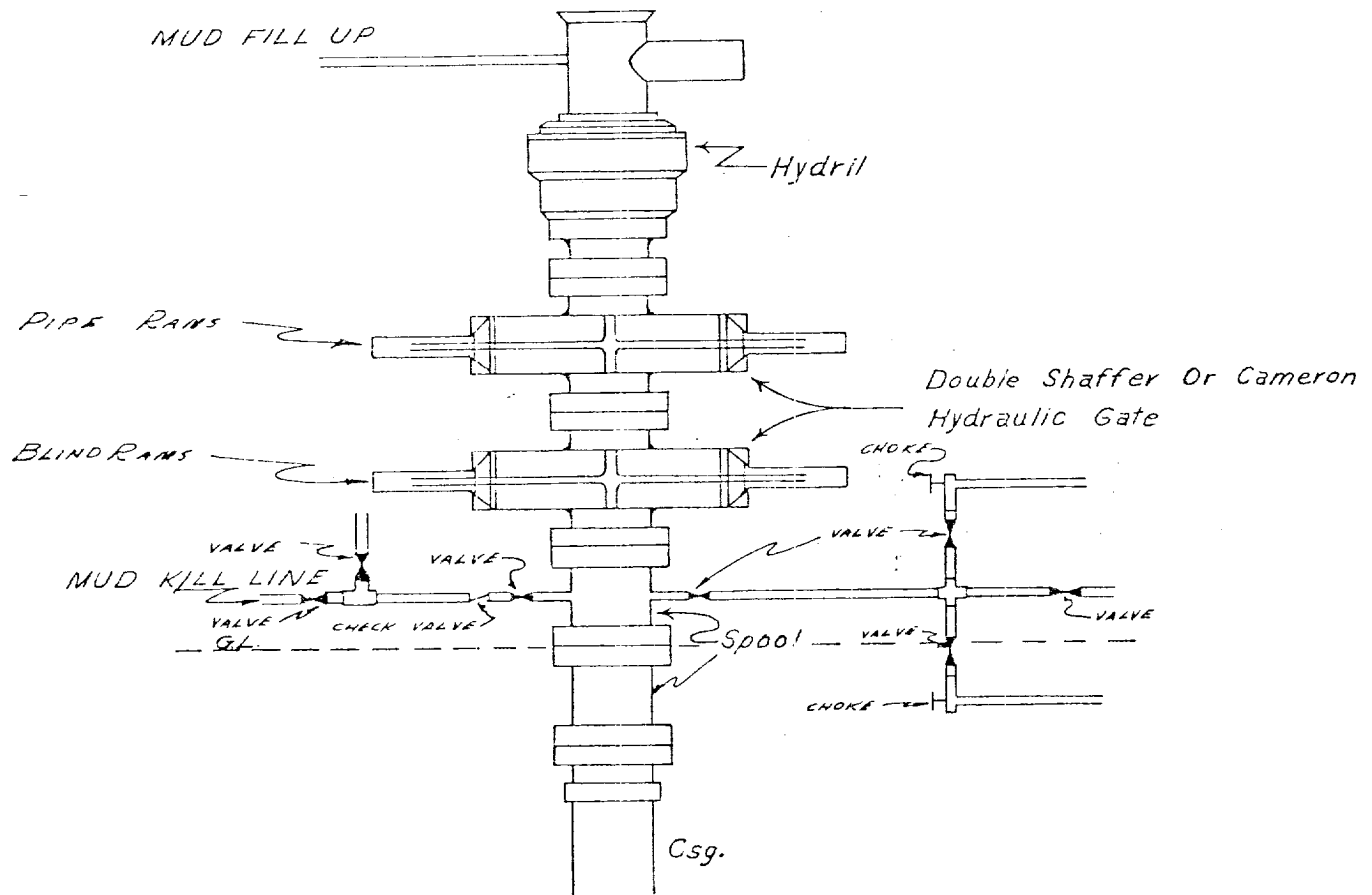
Fresno

Frio Mesa Verde

7/7/87

Time

CONTINENTAL OIL COMPANY
Blow-out Preventer Specifications



NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.
Remote controls on rig floor.

*DUE TO SUBSTRUCTURE CLEARANCE,
HYDRIL MAY OR MAY NOT BE USED.*



United States Department of the Interior

MINERALS MANAGEMENT SERVICE

South Central Region

505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102-

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

11 JUN 1982

Conoco Inc.
Attention: M. K. Mosley
P. O. Box 460
Hobbs, New Mexico 88240

Dear Mr. Mosley:

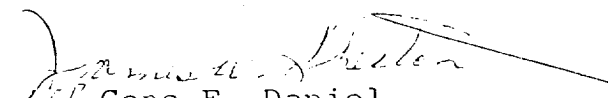
In reply to your letter dated April 29, 1982, regarding Jicarilla Apache Tribal Lease No. 151, your development plan is satisfactory provided that the proposed recompletion of Well No. 5-A in the SE $\frac{1}{4}$ of section 10 is commenced by August 13, 1982 deadline.

We concur with your justification data that the Pictured Cliffs formation in the following areas are uneconomical to develop at this time:

E $\frac{1}{2}$, NW $\frac{1}{4}$ sec. 3; SE $\frac{1}{4}$ sec. 4; T. 26 N., R. 5 W., N.M.P.M.,
Rio Arriba County, New Mexico.

If we have not received evidence from you, prior to August 20, 1982, that you have timely complied with the recompletion requirements, you will be considered in violation of the lease terms and we will recommend to the Bureau of Indian Affairs that the entire lease be terminated.

Sincerely yours,


Gene F. Daniel
Deputy Minerals Manager
Oil and Gas