

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

2373

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

JUN - 4 1999

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox
Print or Type Name

Kay Maddox
Signature

Regulatory Agent
Title

6/2/99
Date

DISTRICT I
P O Box 1980, Hobbs, NM 88241 1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-96

DISTRICT II
811 Southl First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

Operator Conoco Inc. Address 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease AXI Apache K Well No #5A Section 10, T-26-N, R-5-W, P County Rio Arriba, NM

OGRID NO. 005073 Property Code 003133 API NO. 30-039-21506 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ , State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Pictured Cliffs, So. 72439		Blanco Mesaverde 72319
2. TOP and Bottom of Pay Section (Perforations)	3540-3556'		5204-5740'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 330	a. 	a. 575
	b(Original) 1175	b. 	b. 1315
6. Oil Gravity (*API) or Gas BT Content	1215		1297
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no) • If Shut-In give date and oil/gas/ water rates of last production Note For new zones with no production history applicant shall be required to attach production estimates and supporting data • If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Yes		Yes
	Date Rates	Date Rates:	Date Rates
	Date Rates 1/99 29 MCFD, 0 BOPD, 0 BOWD	Date Rates 1/99 66 MCFD, 0 BOPD, 0 BOWD	Date Rates 1/99 66 MCFD, 0 BOPD, 0 BOWD
8. Fixed Percentage Allocation Formula - % for each zone	oil: 10 % Gas 24 %	oil: % Gas %	oil: 90 % Gas 76 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No

11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS

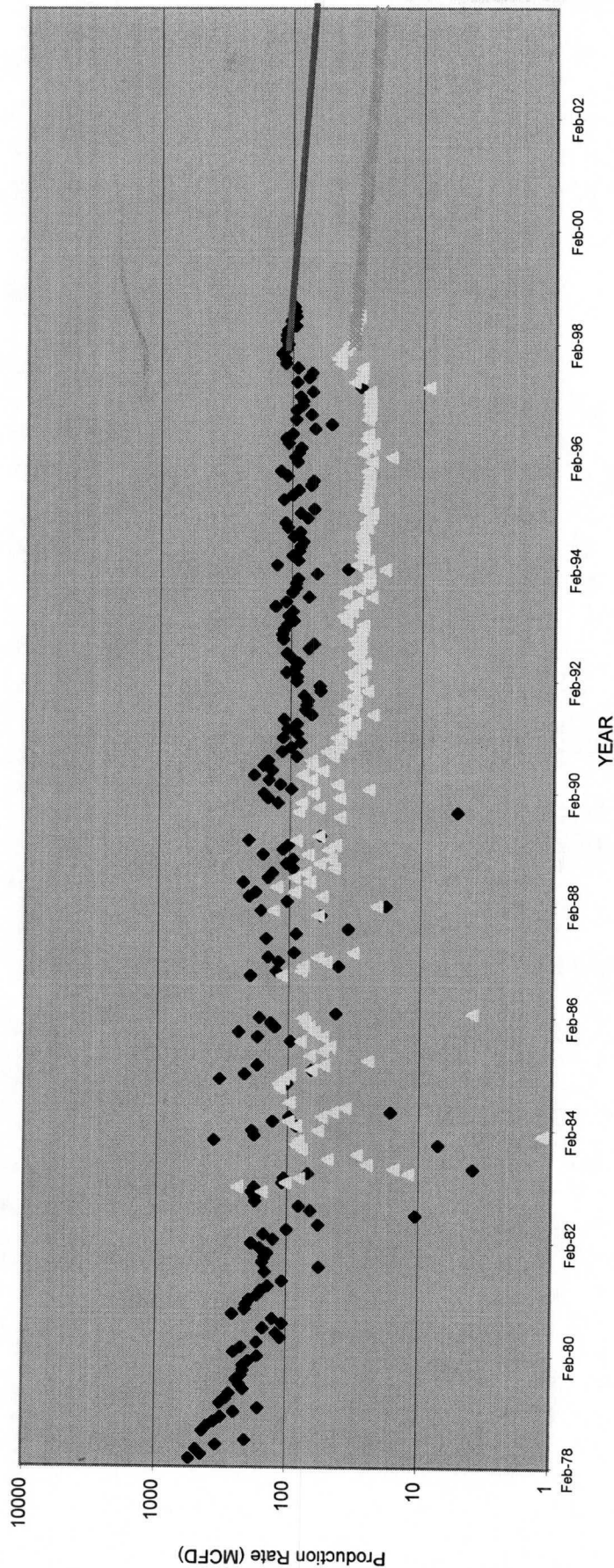
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE June 2, 1999

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

AXI APACHE K 5A - MV / PC DHC
26N-5W-10P, Rio Arriba County, New Mexico



◆ MV - Actual ■ MV - Forecast ▲ PC - Actual × PC - Forecast

MESAVERDE

Historical Data:	1st Prod - Apr-78	Projected Data:
Oil Cum:	5.254 Mbo	1/99 Qi:
Gas Cum:	846.4 MMcf	Decline Rate:
Oil Yield:	0.00621 Bbl/Mcf	
		100.0 Mcfd
		8.0 %

PICTURED CLIFFS

Historical Data:	1st Prod - Jan-83	Projected Data:
Oil Cum:	0.17 Mbo	1/99 Qi:
Gas Cum:	240.77 MMcf	Decline Rate:
Oil Yield:	0.00070 Bbl/Mcf	
		31.7 Mcfd
		8.0 %

Fixed Commingle Allocation Factors:

	GAS	OIL
Mesaverde	76%	90%
Pictured Cliffs	24%	10%

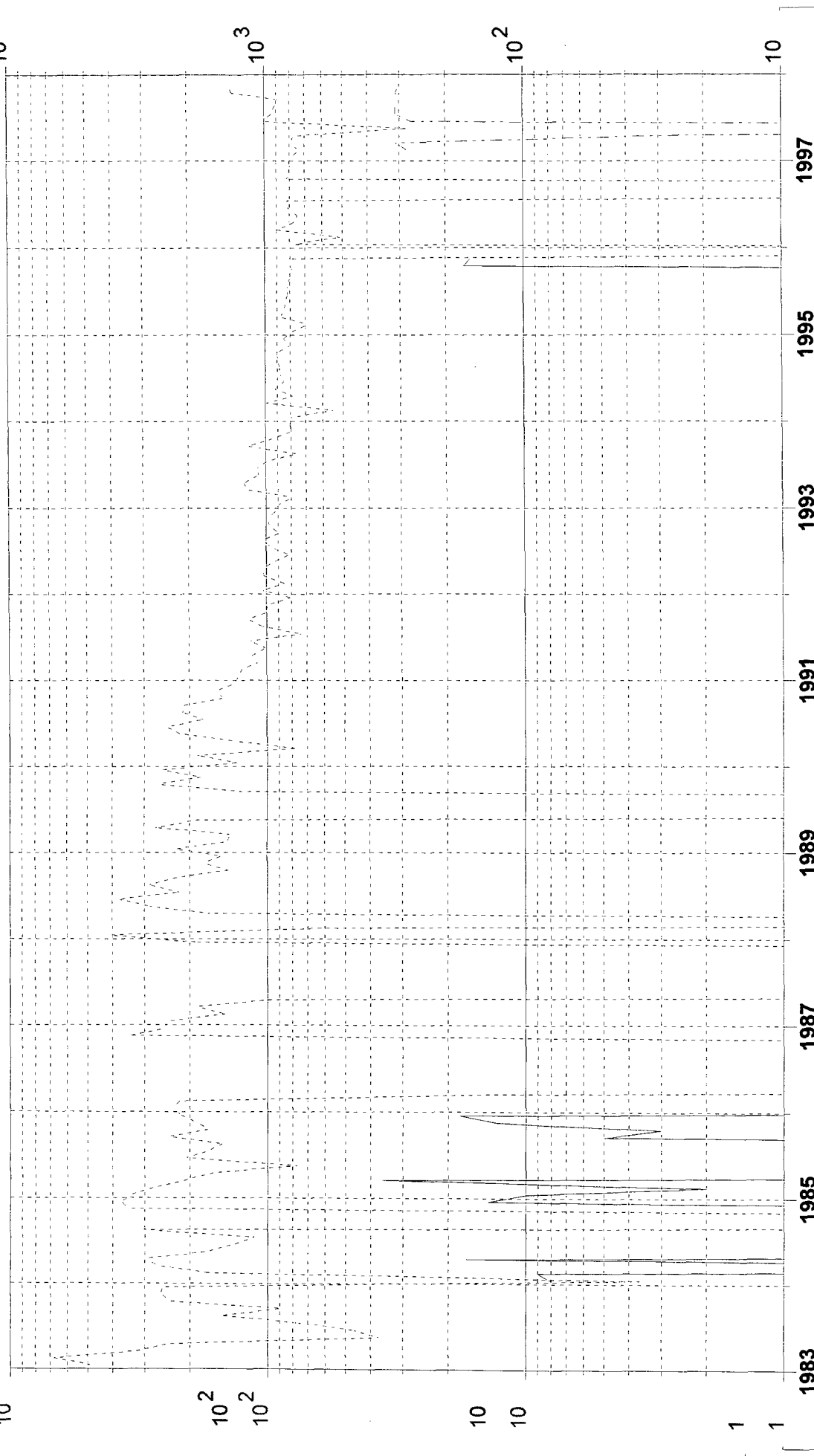
Dwights

Lease: AXI APACHE K (5A)

Retrieval Code: 251,039,26N05W10P00PC

05/13/98

10³
10³
10²
10²
10¹
10¹
10⁰
10⁰



Oil (bbl/mo)

Water (bbl/mo)

Gas (mcf/mo)

County: RIO ARRIBA, NM F.P. Date: 01/83

Field: BLANCO SOUTH (PICTURE CLIF Oil Cum: 168 bbl

Reservoir: PICTURE CLIFFS Gas Cum: 229.0 mmcf

Operator: CONOCO INC Location: 10P 26N 5W

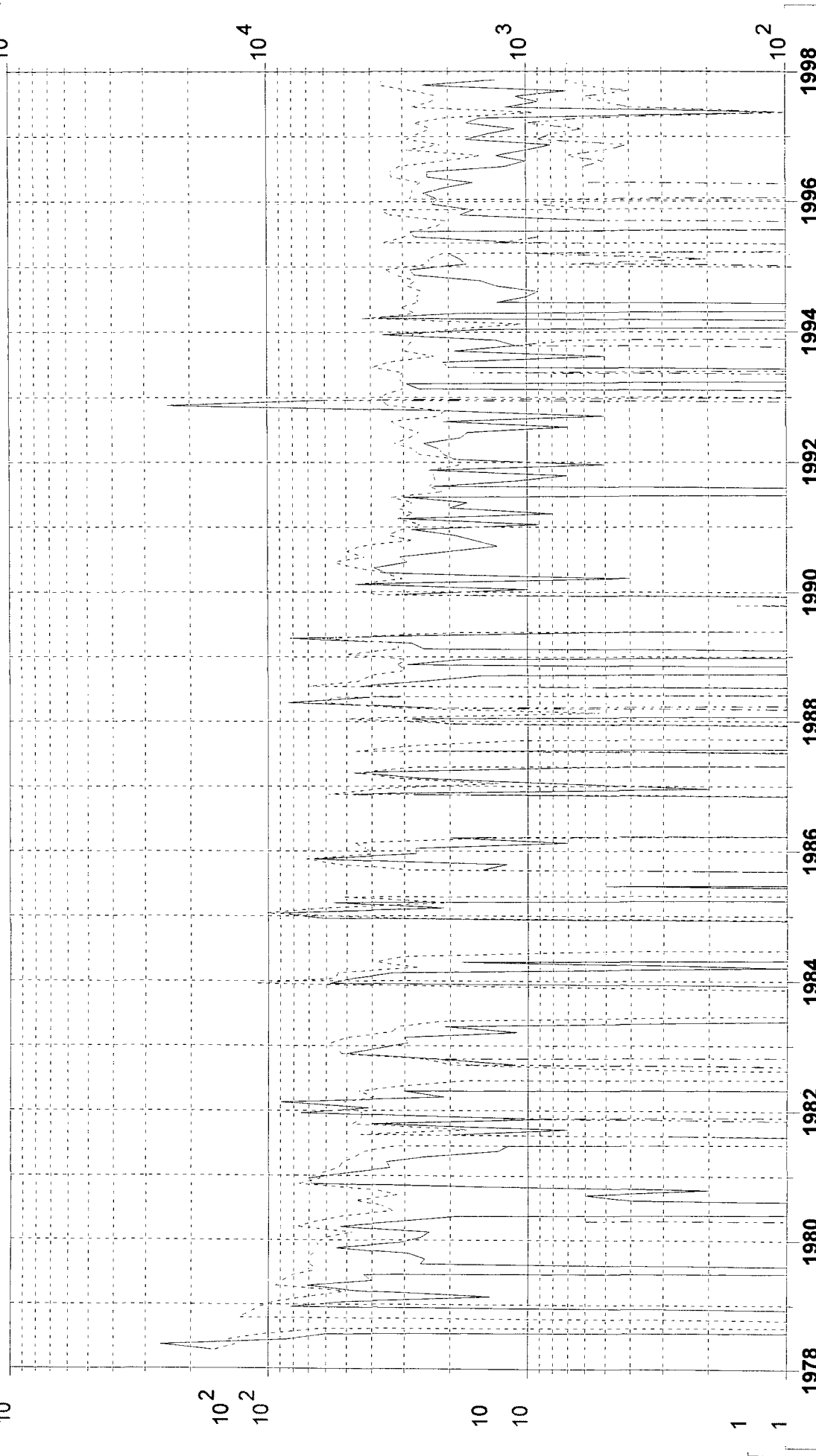
Dwights

05/13/98

Retrieval Code: 251,039,26N05W10P00MV

Lease: AXI APACHE K (5A)

10³
10³
10⁵



Oil (bbl/mo)

Water (bbl/mo)

Gas (mcf/mo)

County: RIO ARRIBA, NM

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: CONOCO INC

F.P. Date: 04/78

Oil Cum: 5186 bbl

Gas Cum: 811.5 mmcf

Location: 10P 26N 5W

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator CONTINENTAL OIL COMPANY			Lease AXI APACHE "K"		Well No. 5-A
Unit Letter P	Section 10	Township 26 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1050 feet from the SOUTH line and 930 feet from the EAST line </div>					
Ground Level Elev. 6892	Producing Formation MESA VERDE		Pool BLANCO	Dedicated Acreage: 320 Acres	

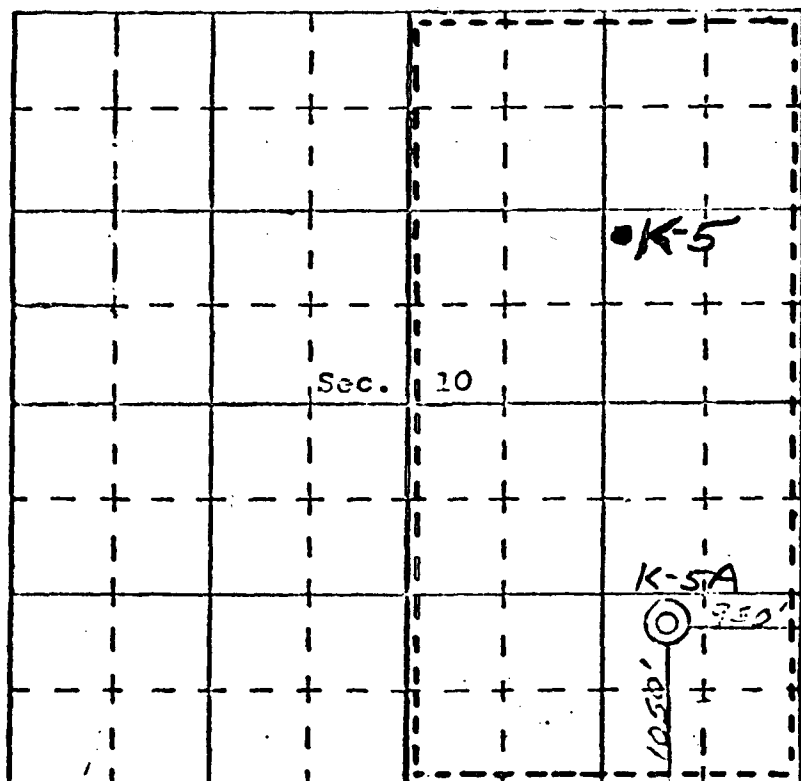
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 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 herein is true and complete to the best of my knowledge and belief.



Name **Wm. A. Tuttle**
 Position **ADMIN. Supt.**
 Company **CONTINENTAL OIL CO.**
 Date **3-11-77**
 No. **1463**

I hereby certify that the plat shows on this plat was plotted from 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.

2 February, 1977

Date Surveyed

James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor

James P. Leese

1463

Certificate No.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-
Effective 1-4-

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

Operator Conoco Inc.			Lease AXI Apache "K"			Well No. 5-A		
Unit Letter P	Section 10	Township 26 North	Range 5 West	County Rio Arriba				
Actual Footage Location of Well: 1050 feet from the South line and 930 feet from the East line								
Ground Level Elev. 6892'	Producing Formation Pictured Cliffs		Pool Blanco		Dedicated Acreage: 160			

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.

RECEIVED

SEP 27 1982

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

ACCEPTED FOR RECORD

SEP 28 1982

FARMINGTON DISTRICT

BY *[Signature]*

OPERATOR

CERTIFICATION

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

Name *[Signature]*
Position Administrative Supervisor
Company Conoco Inc.

Date 9-24-82

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 2-2-77

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

June 2, 1999

AXI Apache K # 5A
Section 10, T-26-N, R-5-W, P
API # 30-039-21506
Rio Arriba , NM

RE: Application to Downhole Commingle (C107A)

Offset Operators:

Amoco
PO Box 800
Denver, CO 80201

Burlington Resources
PO Box 4289
Farmington, NM 87499

A copy of the C-107A Application has been sent to the above listed parties.

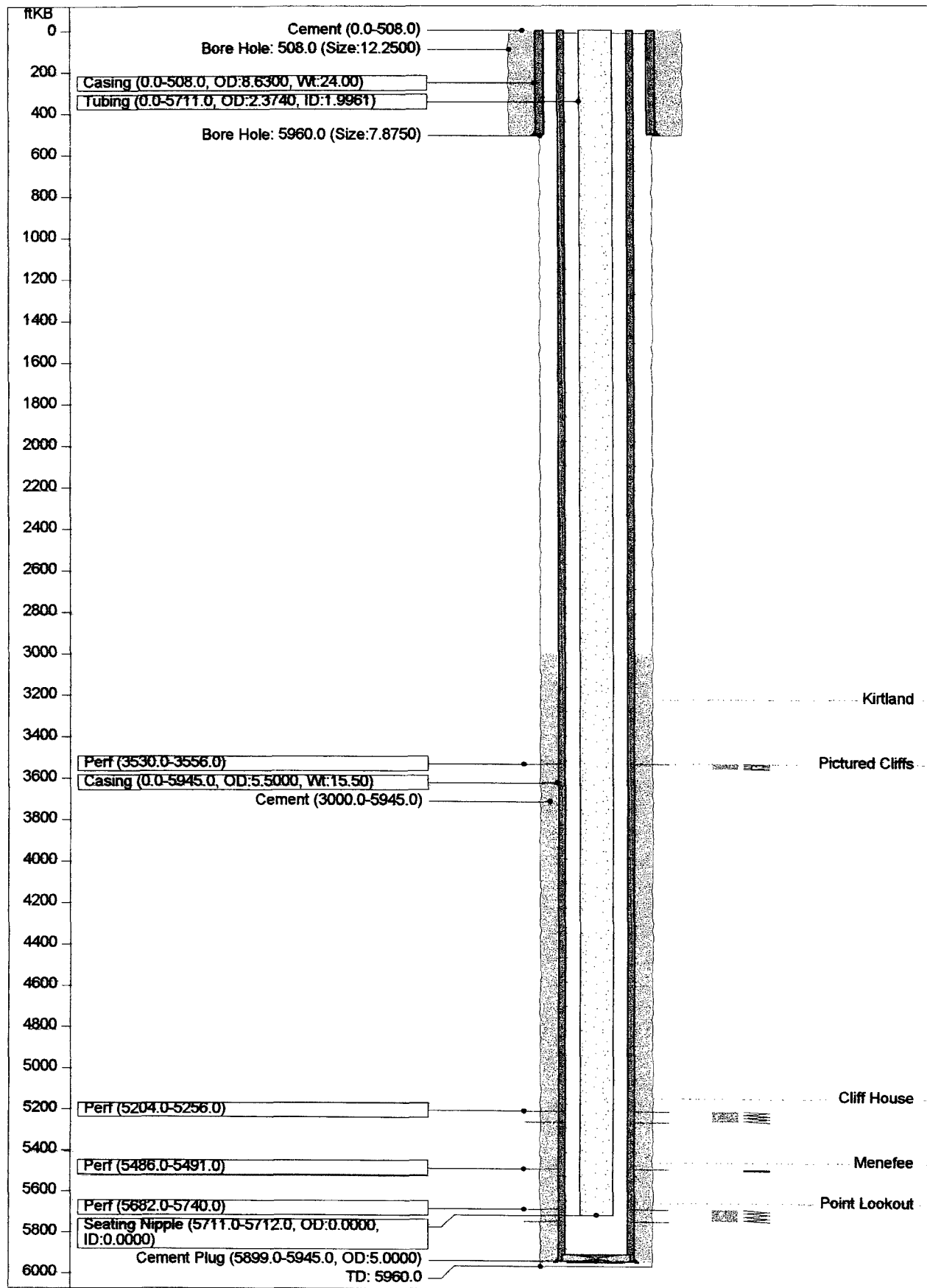
AXI Apache K 5A

Economic/Rate Justification for Down Hole Commingling

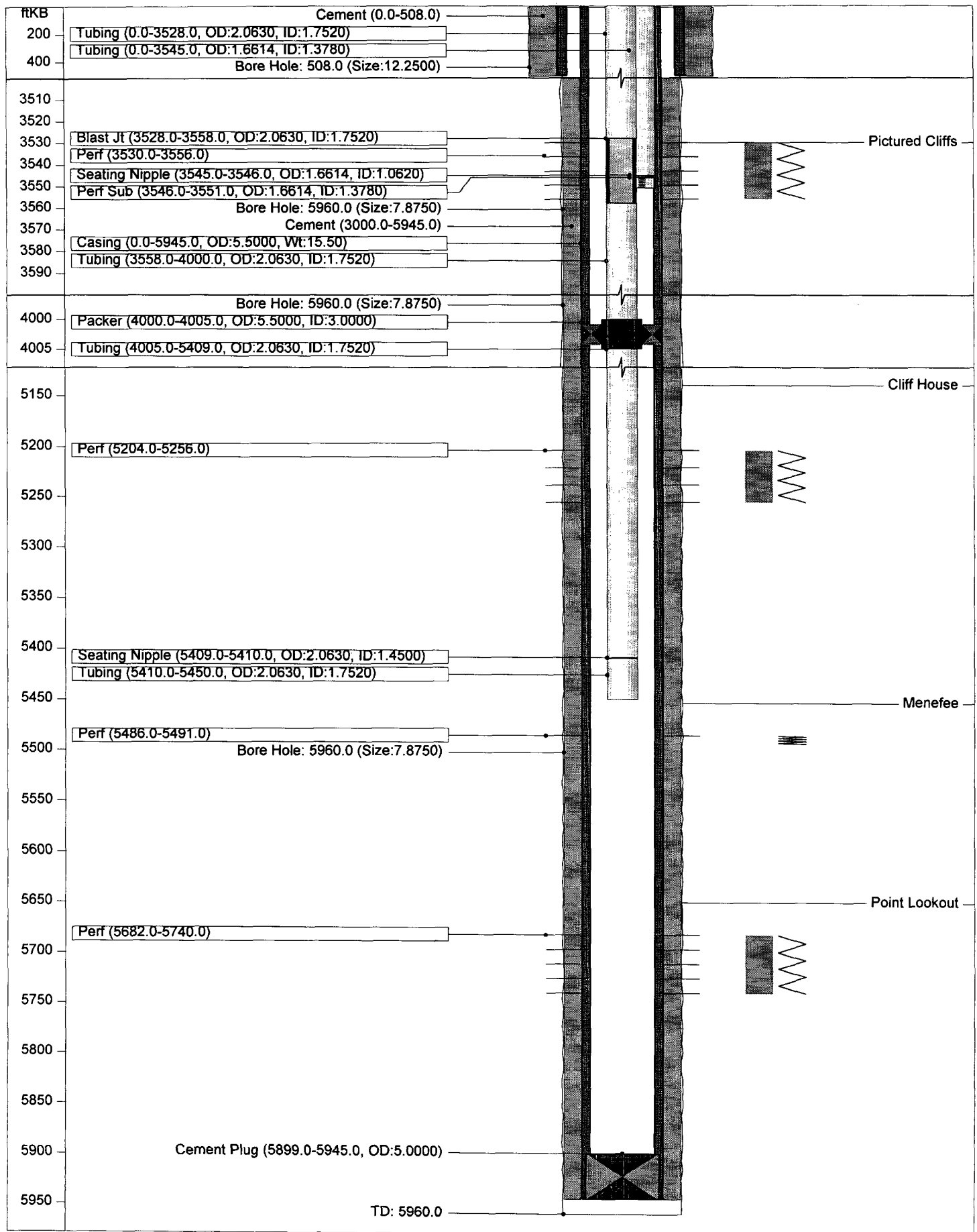
Approval is requested to down hole commingle the existing zones in the subject well. The AXI Apache K 5A has 5 1/2" production casing. It is dually completed using a 1.66" tubing string for the Picture Cliffs and a 2.063" tubing string for the Mesa Verde. Both zones produce some liquids and are producing well below the minimum critical rate required to unload liquids from the well bore. These low rates, along with the position of the tubing relative to the Mesa Verde perforations (340' above the bottom perfs) allows liquids to accumulate in the wellbore, thereby preventing maximum production from this well. To optimize production it is recommended to pull the existing equipment from the well, and produce it using plunger lift in a single 2 3/8" tubing string. The expected production increase is estimated at 50 MCFD.

The single larger tubing string will not only allow for more efficient plunger operation, but will eliminate the cost to install a second plunger lift system and save approximately \$2000 per year in plunger lift operating expenses.

Production from these zones is established by ample production history. A production plot is attached that showing best fit projections of future production for each zone. Form 107A shows the fixed percentage formula for allocation of production from each zone.



AXI APACHE K 5A (LFW 9/16/97)



AXI APACHE K 5A (LFW 9/16/97)

AXI APACHE K 5A (LFW 9/16/97)								
API Code	300392150600	Field Code	676380663					
TD	5960.0 ftKB	Basin	SAN JUAN BASIN					
PBTD	5899.0 ftKB	Basin Code	580					
State	New Mexico	Permit	20-Sep-77					
County	RIO ARRIBA	Spud	07-Jul-77					
District	San Juan O.U.	Finish Drl	17-Jul-77					
Permit No.		Completion	19-Aug-77					
TD Measured	5960 ftKB	Abandon						
Reservoir	Mesaverde/Pictured Cliffs							
Field	BLANCO MV/PC							
Location								
Meridian	NM	Top Latitude	36.49709					
Twnship	26N	Top Longitude	107.3401					
Range	5W	Top NS Distance	1050.0 ft S					
Section	10	Top EW Distance	930.0 ft E					
Quarter	SE SE	Bottom Latitude	0					
		Bottom Longitude	0					
		Btm NS Distance	0.0 ft					
		Btm EW Distance	0.0 ft					
Elevations								
KB	6904.0 ft	Cas Flng	0.0 ft					
Grd	6892.0 ft	Tub Head	0.0 ft					
KB-Grd	12.0 ft							
Bore Hole Data								
	Depth (ftKB)		Size (in)					
	508.0		12.2500					
	5960.0		7.8750					
Casing String - Surface Casing								
Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd	Comments	
8.6300 in Casing	508.0	12	8.1000	24.00	K-55	ST&C		
Casing String - Production Casing								
Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd	Comments	
5.5000 in Casing	5945.0	149	4.9500	15.50	K-55	LT&C		
Casing Cement								
Casing String	Top (ftKB)	Amount (sx)	Comments					
Surface Casing	0.0	250	Cement circ					
Production Casing	3000.0	735	DV @ 4496. 1st st: 355 sxs, circ. 2nd stg: 380 sxs. TOC by Est.					
Other (plugs, equip., etc.) - Plug Backs								
Date	Item		Int (ftKB)	Comments				
28-Jul-77	Cement Plug		5899.0 - 5945.0					
Perforations								
Date	Int	Shots (ft)	Type	Comments				
29-Jul-77	5682.0 - 5740.0	2.0		@ 5682' (1 SPF). @ 5686', 90', 5732', 36', 5740'. (2 SPF - 10 shots). All in 250 G 7 1/2% HCL NEFE				
30-Jul-77	5486.0 - 5491.0	2.0		@ 5486', 88', 91', 5494'. (8 shots) In 250 G 7 1/2% HCL NEFE				
01-Aug-77	5204.0 - 5256.0	1.0		@ 5204', 16', 22', 26', 30', 48', 52', 5256'. (8 shots) In 250 G 7 1/2% HCL NEFE				
13-Aug-82	3530.0 - 3556.0	1.0		@ 3530', 32', 34', 36', 42', 44', 46', 48', 50', 52', 54', 3556'. (12 shots) In 100 G 7 1/2% HCL NEFE				
Stimulations & Treatments								
Date	Type	Zone	Int	Fluid	Comments			
29-Jul-77	Fracture	MV (PLO)	5682.0 - 5740.0	Water	Frac w/ 24,150 G treat water + 59,500# 20/40 sd. AIR= 25 bpm @ 1000#. ISIP 300#			
29-Jul-77	Acid Squeeze	MV (PLO)	5682.0 - 5740.0	7 1/2% HCL	Acid w/ 1500 G + 15 BS. AIR= 6 bpm @ 1800#, did not ball off.			
30-Jul-77	Fracture	MV (MEN)	5486.0 - 5494.0	Water	Frac w/ 15,000 G treat water + 32,000# 20/40 sd. AIR= 25 bpm @ 2800#. ISIP 1300#			
01-Aug-77	Fracture	MV (CH)	5204.0 - 5256.0	Water	Frac w/ 23,650 G treat water + 59,500# 20/40 sd. AIR= 25 bpm @ 1000#. ISIP 775#			
01-Aug-77	Acid Squeeze	MV (CH)	5204.0 - 5256.0	7 1/2% HCL	Acid w/ 1500 G + 12 BS. AIR= 8 bpm @ 3000#. ball off @ 3000#.			
13-Aug-82	Fracture	Pictured Cliffs	3530.0 - 3556.0	70 Q FOAM	Frac w/ 15,792 G 2% KCL + 69,720# 10/20 sd. (used 521,568 SCF N2). AIR= 25 bpm @ 1750#. ISIP 1450#			
13-Aug-82	Acid Squeeze	Pictured Cliffs	3530.0 - 3556.0	7 1/2% HCL	BD w/ 1500 G + 18 BS. AIR= 4.8 bpm @ 1500#. 100% ball off.			
Tubing String - Tubing (PC)								
Item (in)	Top (ftKB)	Len (ft)	Jnts	ID (in)	Wt	Grd	Thd	Comments
1.6614 in Tubing	0.0	3545.0	104	1.3780	2.33	IJ	10rd	
1.6614 in Seating Nipple	3545.0	1.0		1.0620	0.00	IJ	10rd	With pump out plug.

AXI APACHE K 5A (LFW 9/16/97)

Tubing String - Tubing (PC) (con't)								
Item (in)	Top (ftKB)	Len (ft)	Jnts	ID (in)	Wt	Grd	Thd	Comments
1.6614 in Perf Sub	3546.0	5.0		1.3780	2.33	IJ	10rd	Land @ 3551'
Tubing String - Tubing (MV)								
Item (in)	Top (ftKB)	Len (ft)	Jnts	ID (in)	Wt	Grd	Thd	Comments
2.0630 in Tubing	0.0	3528.0	107	1.7520	3.25	IJ	10rd	
2.0630 in Blast Jt	3528.0	30.0		1.7520	0.00	IJ	10rd	
2.0630 in Tubing	3558.0	442.0	11	1.7520	3.25	IJ	10rd	
5.5000 in Packer	4000.0	5.0		3.0000	0.00	IJ	10rd	Baker Model SB-1 Perm
2.0630 in Tubing	4005.0	1404.0	41	1.7520	3.25	IJ	10rd	
2.0630 in Seating Nipple	5409.0	1.0		1.4500	0.00	IJ	10rd	Model "F" with pump out check
2.0630 in Tubing	5410.0	40.0	1	1.7520	3.25	IJ	10rd	Land @ 5450'
Completions & Workovers								
Date	Reason for Workover	Reason for Failure	Summary					
12-Aug-82	DHC MV/PC	Add Perforations	DHC MV/PC - POOH w/ prod tbg. RIH and tag Fill @ 5724' (175' Fill), C/O to 5899', Run logs, Perf amd Stim PC, C/O w/ N2 to PBTD. RIH w/ tbg, complete as Dual String MV/PC.					
Formation/Horizon Tops								
Top (ftKB)		Formation						
3220.0		Kirtland						
3530.0		Pictured Cliffs						
5140.0		Cliff House						
5454.0		Menefee						
5650.0		Point Lookout						
Logs Run								
Date	Type	Int	Company	Comments				
16-Jul-77	IND	495.0 - 5953.0	Schlumberger					
16-Jul-77	DEN/NEU	3000.0 - 5955.0	Schlumberger					
28-Jul-77	GR-C	400.0 - 5904.0	Welex					
General Notes								
Date	Note							
19-Aug-77	Initial Potential: F 2709 MCFGPD on 3/4 in ck							

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

File

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW
WELL ☐WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESVR. ☐Other ☒

Dual

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 and in accordance with any State requirements)

At surface 1050' FSL & 930' FEL

At top prod. interval reported below ☒At total depth ☒14. PERMIT NO. U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.

Contract 151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ticarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

AXT Apache K

9. WELL NO.

SA

10. FIELD AND POOL, OR WILDCAT

Pictured Cliffs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 10, T-26N, R-5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N.M.

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

7-7-77 7-14-77 8-15-82 6892' GR NA

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

5960' 5876' 2 → All NONE

3530'-3556' Pictured Cliffs Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR CAL CNL FDC

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
		NO	change		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		NONE			NO	change	4000'

30. PERFORATION RECORD (Interval, size and number)

3530', 32', 34', 36', 42', 44', 46', 48', 50'

54', 3556' w/ 155PF.

31. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3530'-3556'	3660' 15% NEFE-HCL Frac w/ 20 quality foam Impd 37666lb of 2% KCL water, 69,220 # 10/20 sd

32. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8-23-82		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-23-82	24	NA	→	—	2233	—	—
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
NA	NA	→	—	2233	—	—	

33. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

G. E. FLORES
ACCEPTED FOR RECORD

34. LIST OF ATTACHMENTS

A detailed Sundry Notice will follow

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

J. A. V. [Signature]

TITLE

Administrative Supervisor

DATE

SEP 27 1982

9-21-82

FARMINGTON DISTRICT

BY

[Signature]

*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR