

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

DISTRICT II
811 South First St., Artesia, NM 88210-2835

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

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

Lease Axi Apache J Well No 18A Unit Ltr Sec Twp Rge P-8-T25N-R5W County Rio Arriba

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 003132 API NO. 30039-2044000 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	Chacra 82329		Mesa Verde 72319
2. TOP and Bottom of Pay Section (Perforations)	3726'-3748'		4989'-5214'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottom hole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	294 PSIA		858 PSIA
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	946 PSIA		1334 PSIA
6. Oil Gravity ("API) or Gas BTU Content	1209		1285
7. Producing or Shut-In?	Producing		Shut - in
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In give date and oil/gas/water rates of last production	Date Rates	Date Rates	Date Rates
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.			
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date Rates 6/97 22 MCFD 0 BOPD, 0 BWPD	Date Rates	Date Rates 6/97 25 MCFD 1 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	oil: 0 % Gas 47 %	oil: % Gas %	oil: 100 % Gas 53 %

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 Jerry W. Hoover TITLE Sr. Conservation Coord. DATE 6/12/97
TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

NE MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

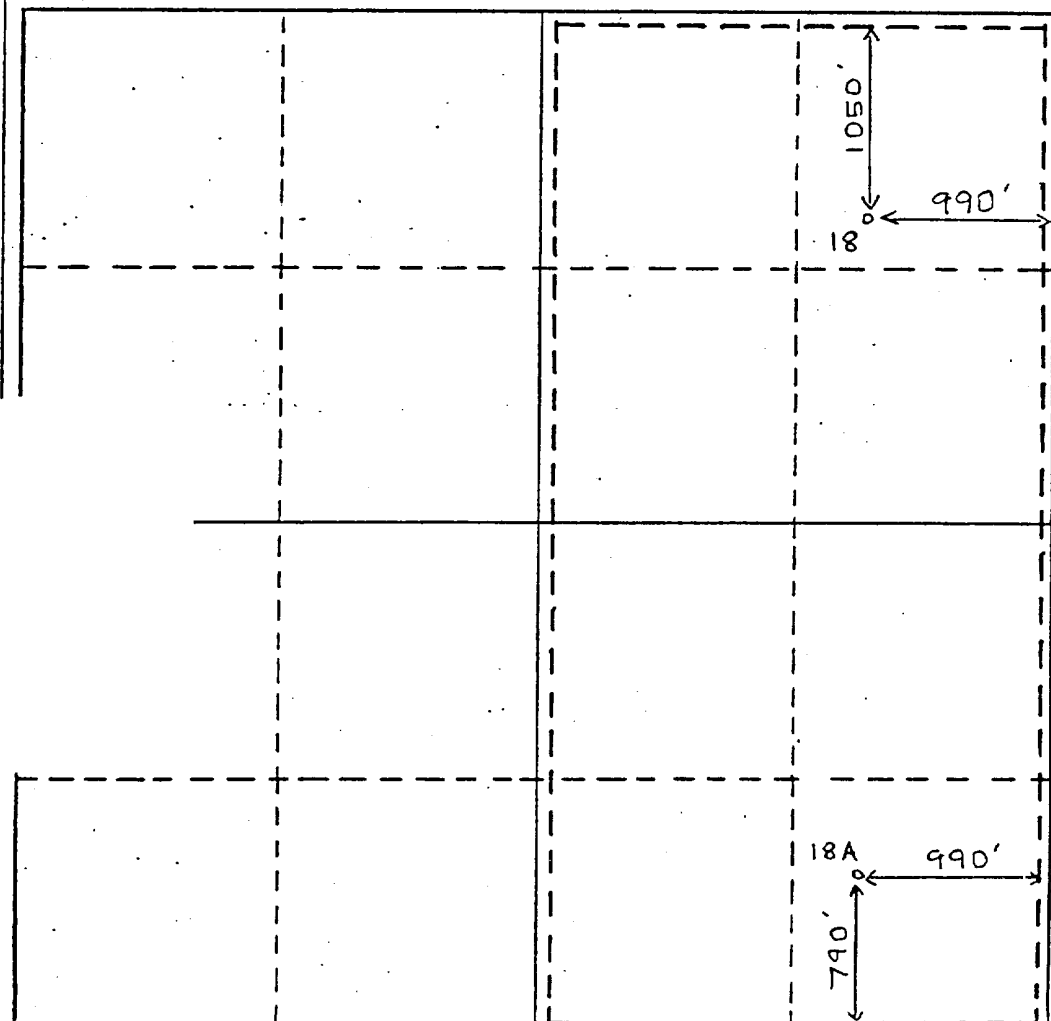
Operator CONOCO INC.			Lease AXI APACHE J		Well No. 18A
Unit Letter P	Section 8	Township 25-N	Range 5-W	County RIO ARRIBA	
Actual Footage Location of Well: 790 feet from the SOUTH line and 990 feet from the EAST line					
Ground Level Elev. 6680'	Producing Formation MESAVERDE		Pool BLANCO MESAVERDE	Dedicated 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 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. D. Theisen
Position
Administrative Supervisor

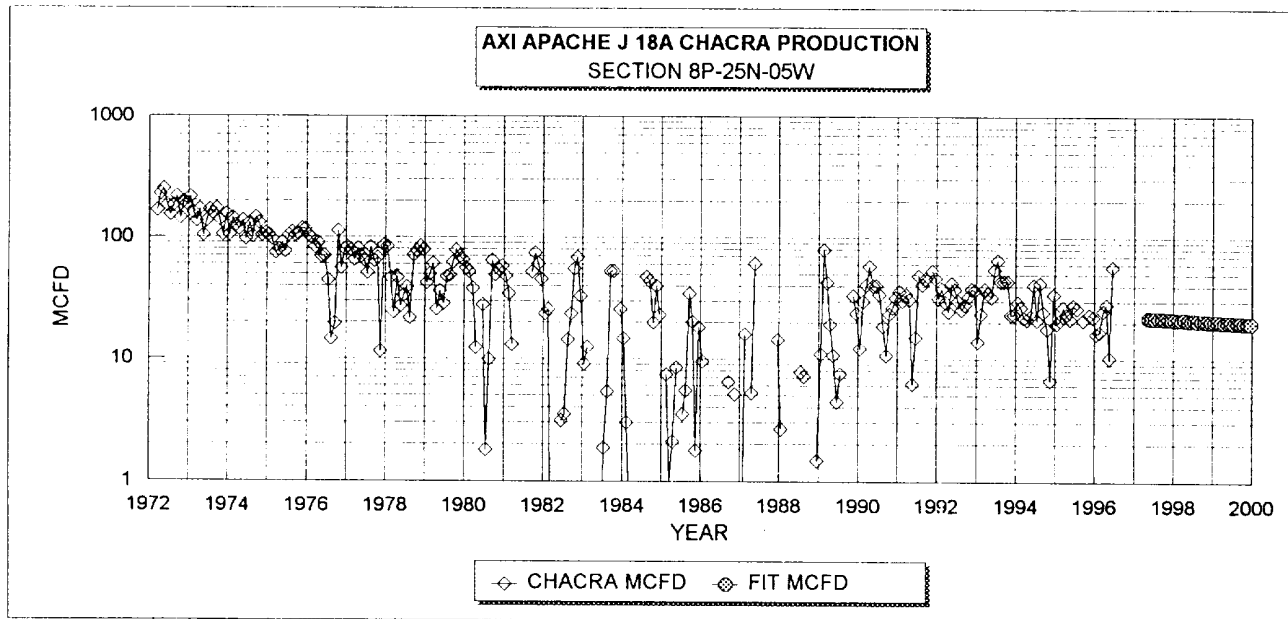
Company
CONOCO INC.

Date
6/28/83

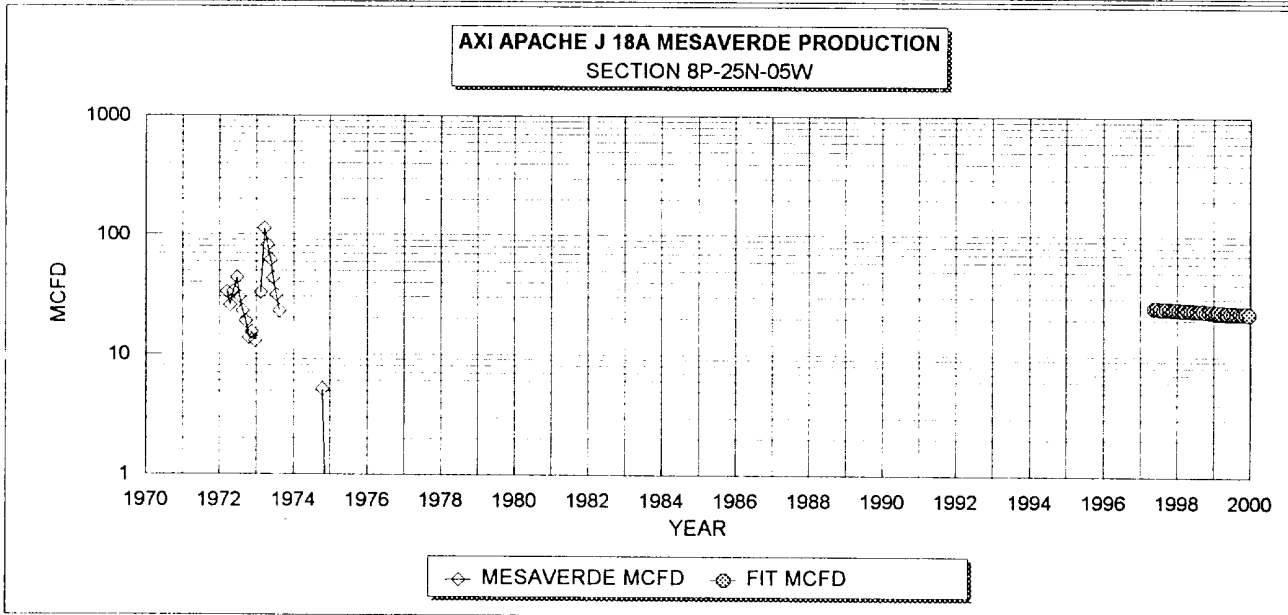
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor



CHACRA HISTORICAL DATA:		1ST PROD: 5/72	CHACRA PROJECTED DATA	
OIL CUM:	0.02	MBO	6/1/97 Qi:	22 MCFD
GAS CUM:	406.3	MMCF	DECLINE RATE:	4.0% (EXPONENTIAL)
OIL YIELD:	0.0000	BBL/MCF		

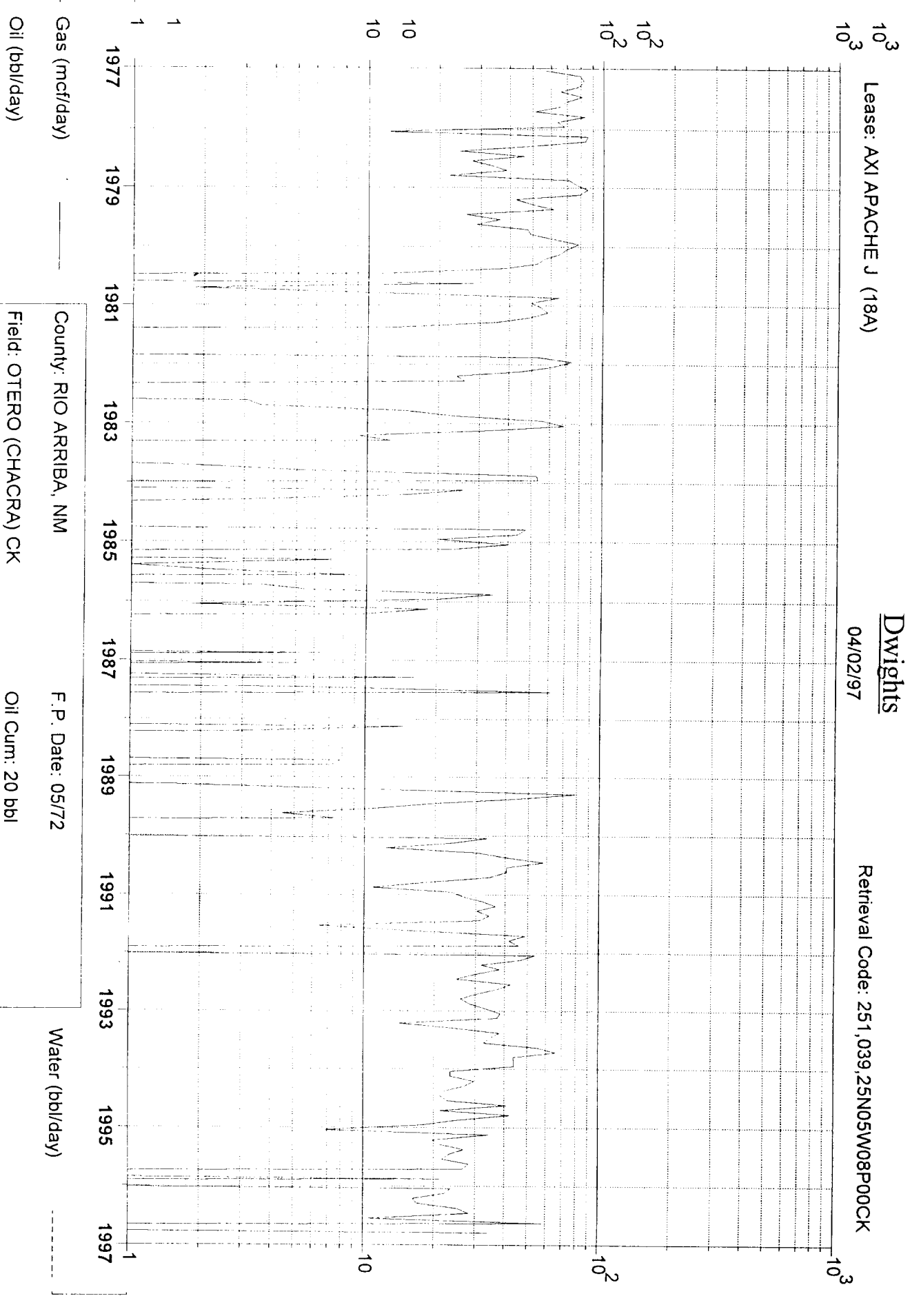


MESAVERDE HISTORICAL DATA		1ST PROD: 5/72	MESAVERDE PROJECTED DATA	
OIL CUM:	1.2	MBO	6/1/97 Qi:	25 MCFD
GAS CUM:	19.5	MMCF	DECLINE RATE:	4.0% (EXPONENTIAL)
OIL YIELD:	0.0596	BBL/MCF		
FIXED COMMINGLE ALLOCATION FACTORS:				
	GAS	OIL	GAS ALLOCATION BASED ON PROJECTED 1997 RATES	
PICTURED CLIF	47%	0%	OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS	
MESAVERDE	53%	100%	NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA	

Lease: AXI APACHE J (18A)

Dwights
04/02/97

Retrieval Code: 251,039,25N05W08P00CK



Gas (mcf/day)

Oil (bbl/day)

County: RIO ARRIBA, NM

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: CONOCO INC

F.P. Date: 05/72

Oil Cum: 20 bbl

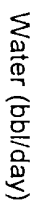
Gas Cum: 407.3 mmcf

Location: 8P 25N 5W

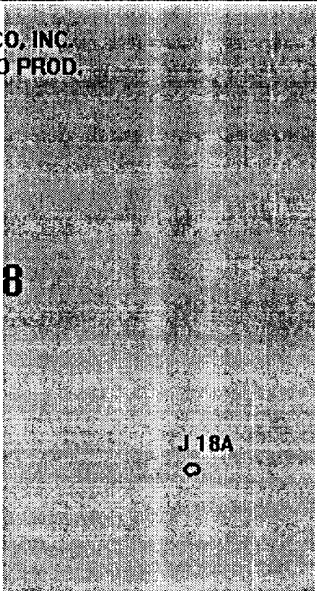
Water (bbl/day)

04/02/97

Retrieval Code: 251,039,25N05W08P00MV



AXI APACHE J #18A
OFFSET OPERATORS

CONOCO, INC. AMOCO PROD. EXXON CO USA 6	CONOCO, INC. AMOCO PROD. 5	AMOCO PROD. 4
CONOCO, INC. AMOCO PROD. 7	CONOCO, INC. AMOCO PROD.  8	AMOCO PROD. 9
ELM RIDGE RESOURCE 18	ELM RIDGE RESOURCE 17	ELM RIDGE RESOU AMERADA HESS CI 16

Township 25N --- Range 5W