

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:

X_ Administrative ___ Hearing

EXISTING WELLBORE

X YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Amoco Production Company

PO Box 3092 Houston, TX 77253-3092

Operator A. L Elliott A	4	Address F 11-29N-09W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000459 API NO. 300452330900 Federal X State (and/or) Fee x

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	4184'-4900' est.	Recev. 5-10-99	6927'-7109'
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) 564 psig (est) b. (Original) 1181 psig (est)	a. b.	a. 866 psig b. 1438 psig
6. Oil Gravity (" API) or Gas BTU Content	1280 btu		1180 btu
7. Producing or Shut-In?	New zone		Producing
Production Marginal? (yes or no)	NO		YES
• If Shut-In, give data 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	Date: 1100 MCFD (est) Rates: 5 BCPD 0 BWPD	Date: Rates:	Date: Rates:
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: 162 MCFD Rates: 2.5 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 66 % Gas 87 %	Oil: % Gas %	Oil: 34 % Gas 13 %

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? ___X___ 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? ___X___ Yes ___ No

11. Will cross-flow occur? ___ Yes ___X___ 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. ___X___ Yes ___ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? ___X___ Yes ___ No

13. Will the value of production be decreased by commingling? ___ Yes ___X___ 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 Untied States Bureau of Land Management has been notified in writing of this application. ___X___ Yes ___ No SF-078132

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. SEE ATTACHED
- * 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 J W Hawkins TITLE Regulatory Affairs Engr. DATE 5/6/99
TYPE OR PRINT NAME J W Hawkins TELEPHONE NO. (281) 366-5450

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

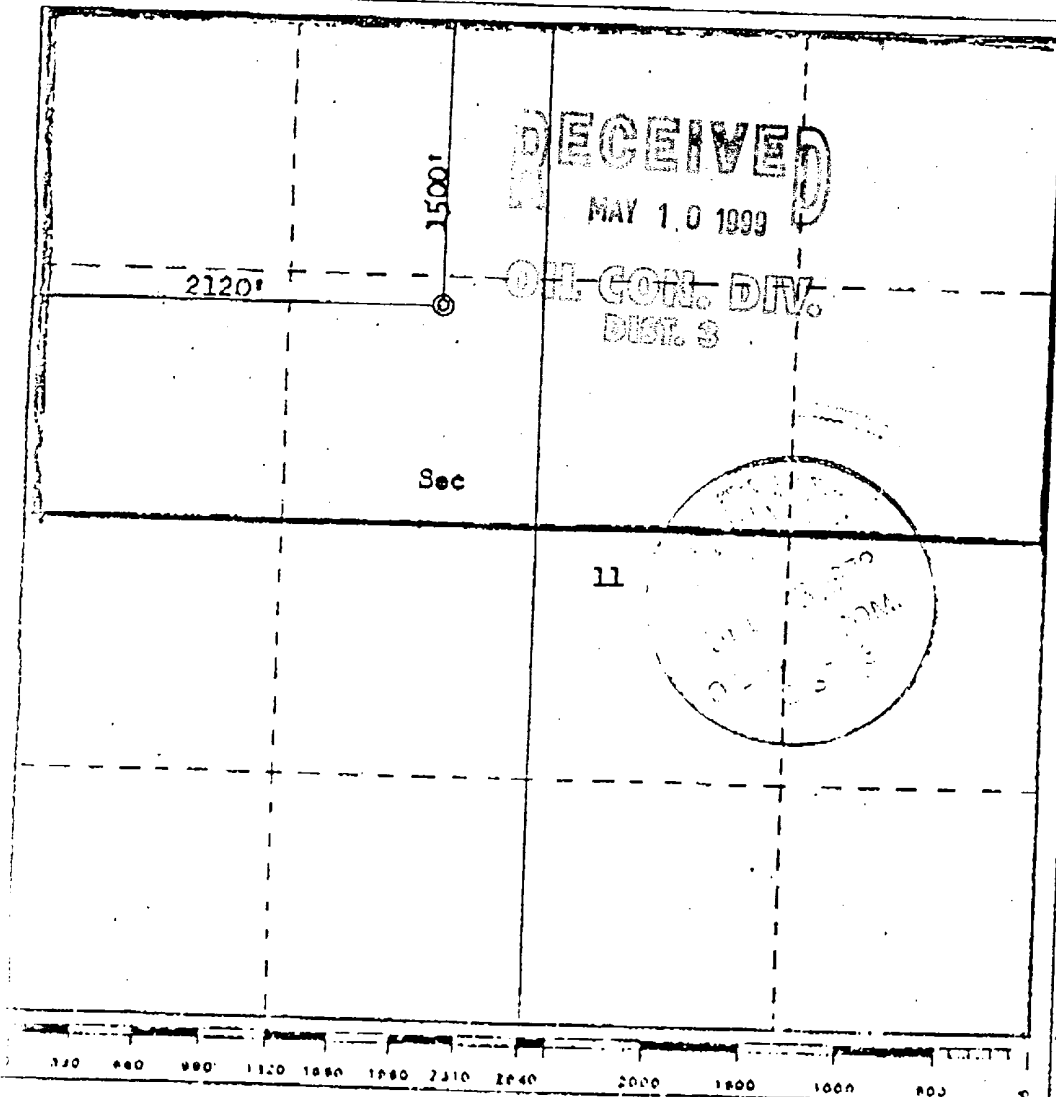
AMOCO PRODUCTION COMPANY			Lease No. A. L. ELLIOTT "A"		Well No. 4
Foot Letter F	Section 11	Township 29N	Range 9W	County San Juan	
Actual Surface Location of Well:					
1500	feet from the	North	line and	2120	feet from the
Ground Level Elev. 5945	Producing Formation Dakota		Pool Basin Dakota	feet from the	West
				Dedicated Acreage	320

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 **J. L. KRUPKA**
 Position **DISTRICT ENGINEER**
 Company **AMOCO PRODUCTION COMPANY**
 Date **DECEMBER 12, 1978**

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.

State Survey **December 12, 1978**
 Registered Land Surveyor
 and L.L. Surveyor
3950
 Fred B. Kerr, Jr.
 Certified **F.B. KERR, JR.**

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-100
Revised October 12, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3004523309		Pool Code 72319	P. # Name Blanco Mesaverde	
Property Code 000459	Property Name A. L. Elliott A		Well Number 4	
OGRID No. 000778	Operator Name Amoco Production Company		Elevation 5945	

10 Surface Location

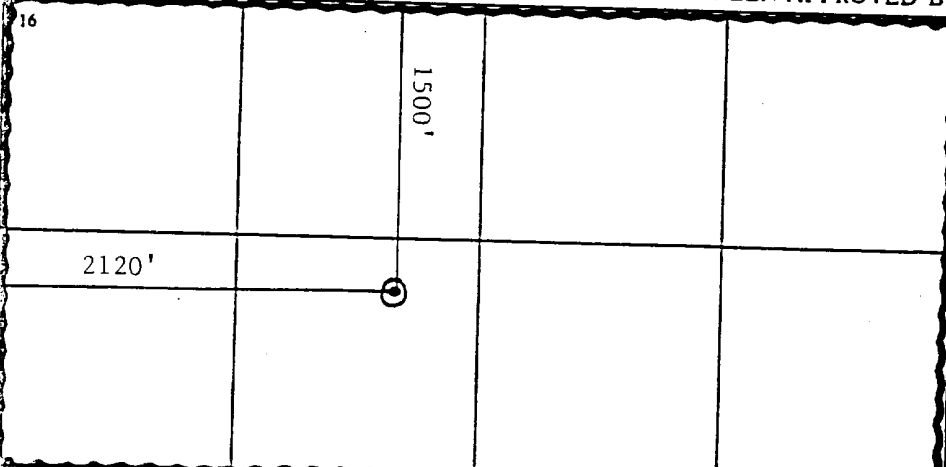
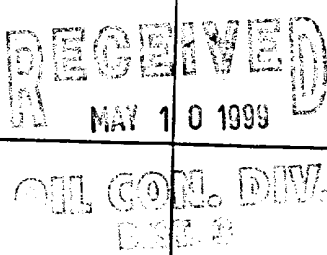
UL or lot no. F	Section 11	Township 29N	Range 9W	Lot Idn	Feet from the 1500	North/South line North	Feet from the 2120	East/West line West	County San Juan
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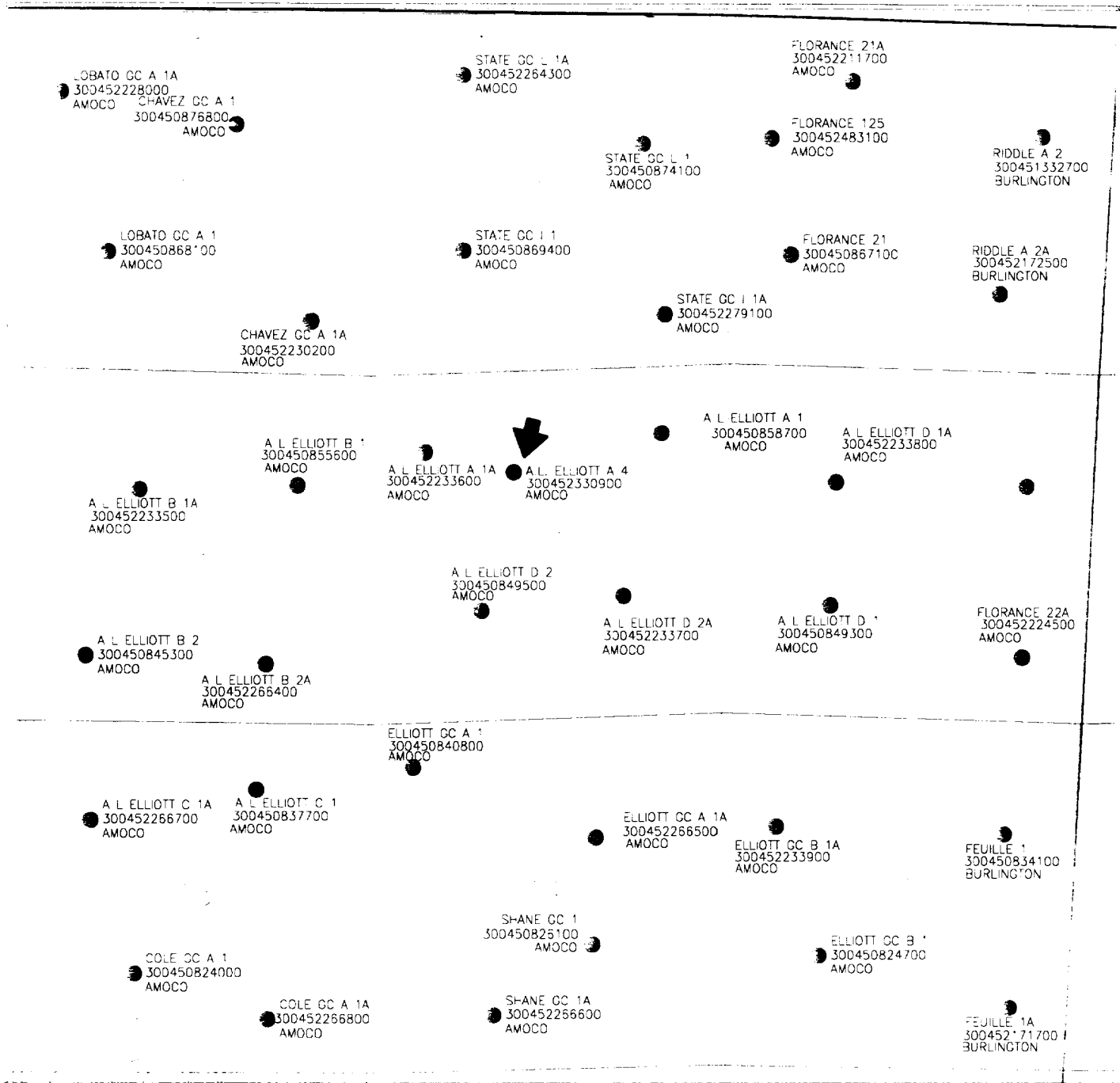
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 320.00	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION			
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.			
				Signature Gail M. Jefferson			
				Printed Name Sr. Admin. Staff Asst.			
				Title			
				Date November 9, 1998			
				18 SURVEYOR CERTIFICATION			
				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 belief.			
				Date of Survey December 1, 1978			
				Signature and Seal of Professional Surveyor: Fred B. Kerr, Jr.			
				Certificate Number 3950			



AMOCO PRODUCTION COMPANY		
A L ELLIOTT A 4 - RECOMPLETION/COMVIN MESAVERDE 9 SECTION PLAT R111-29N-R09W		
1/1		12/15/98
Scale 1/26290.42		

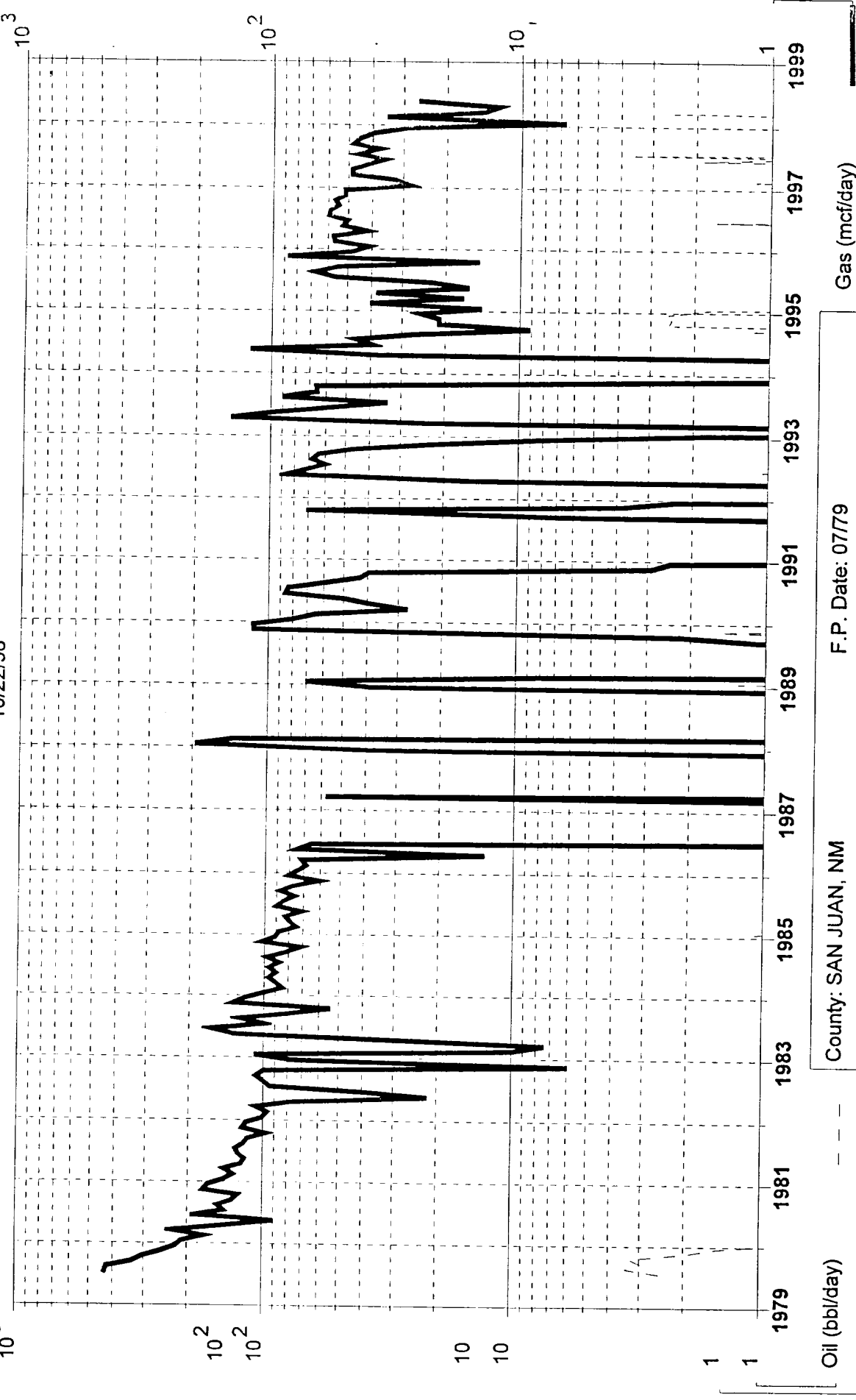
LEGEND	
●	ACTIVE MESAVERDE WELLS
●	INACTIVE MESAVERDE WELLS
●	RECOMPLETION/COMVINABLE CANDIDATE

Lease: A L ELLIOTT A (4)

Dwights

10/22/98

Retrieval Code: 251,045,29N09W11F00DK



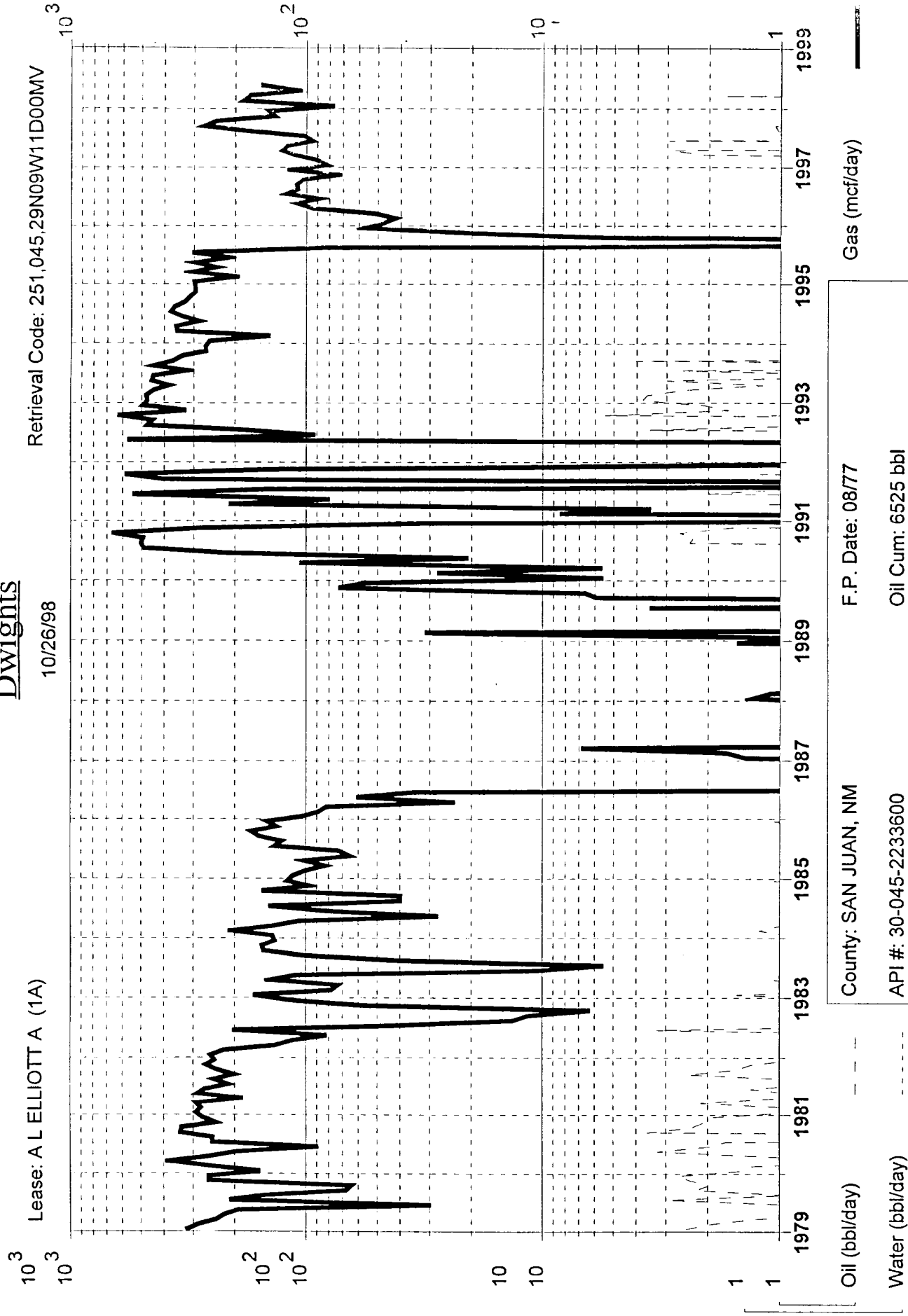
County: SAN JUAN, NM
API #: 30-045-2330900
Reservoir: DAKOTA
Operator: AMOCO PRODUCTION CO
F.P. Date: 07/79
Oil Cum: 1988 bbl
Gas Cum: 433.8 mmcf
Location: 11F 29N 9W

Dwights

Lease: A L ELLIOTT A (1A)

Retrieval Code: 251,045,29N09W11D00MV

10/26/98



Oil (bbl/day)

Water (bbl/day)

Gas (mcf/day)

County: SAN JUAN, NM

API #: 30-045-2233600

Reservoir: MESAVERDE

Operator: AMOCO PRODUCTION CO

F.P. Date: 08/77

Oil Cum: 6525 bbl

Gas Cum: 1347 mmcf

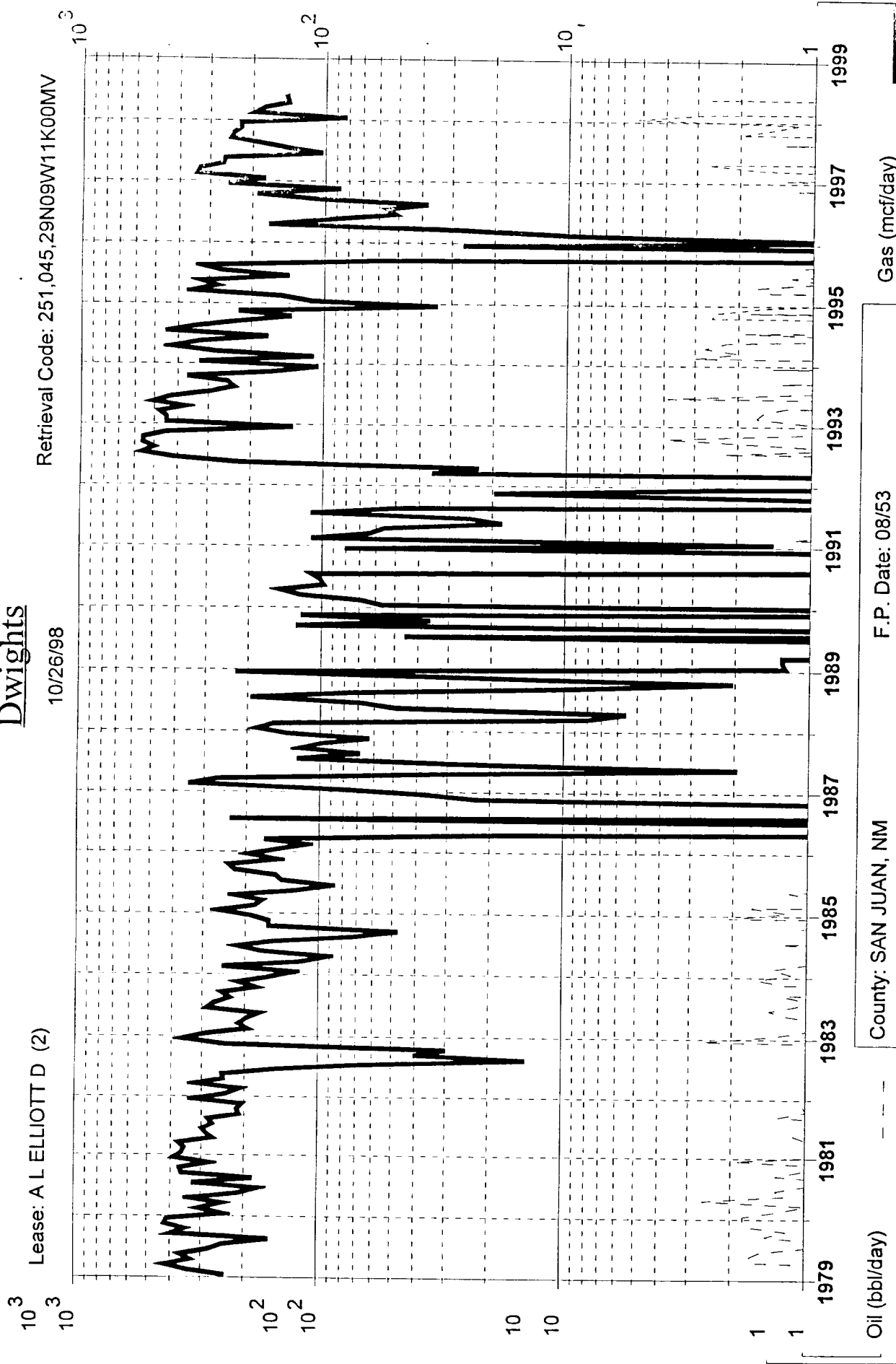
Location: 11D 29N 9W

Dwights

Lease: A L ELLIOTT D (2)

Retrieval Code: 251,045,29N09W11K00MV

10/26/98



Oil (bbl/day)

Water (bbl/day)

County: SAN JUAN, NM

API #: 30-045-0849500

Reservoir: MESAVERDE

Operator: AMOCO PRODUCTION CO

F.P. Date: 08/53

Oil Cum: 29.03 mbbl

Gas Cum: 6380 mmcf

Location: 11K 29N 9W

DK	0.08	PC	0.04
MV	0.07	FT	0.04
		CK	0.04

WELL NAME: A L ELLIOTT A #4FORMATION: DKSURFACE PRESS: 305PERFS TOP: 6927BOTTOM: 7100

$$(6927 + 7100) / 2 = 7014 \text{ Mid Perf}$$

$$7013.5 \times 0.08 = 561$$

$$561.08 + 305 = \boxed{866} \text{ Bottom Hole Pressure}$$

Initial Bottom Hole PressureA L ELLIOTT D #9 IBHP= 1438WELL NAME: A L ELLIOTT A #1AFORMATION: MVSURFACE PRESS: 240PERFS TOP: 4504BOTTOM: 5294

$$(4504 + 5294) / 2 = 4899 \text{ Mid Perf}$$

$$4899 \times 0.07 = 343$$

$$342.93 + 240 = \boxed{583} \text{ Bottom Hole Pressure}$$

Initial Bottom Hole Pressure 1177WELL NAME: A L ELLIOTT D #2FORMATION: MVSURFACE PRESS: 228PERFS TOP: 4130BOTTOM: 4935

$$(4130 + 4935) / 2 = 4533 \text{ Mid Perf}$$

$$4532.5 \times 0.07 = 317$$

$$317.28 + 228 = \boxed{545} \text{ Bottom Hole Pressure}$$

Initial Bottom Hole Pressure= 1185WELL NAME: A L ELLIOTT A 4FORMATION: MV

$$\text{Initial Bottom Hole Pressure: } (1177 + 1185) / 2 \approx \boxed{1181} \text{ est.}$$

$$\text{Bottom Hole Pressure: } (583 + 545) / 2 \approx \boxed{564} \text{ est.}$$

$$\text{ELLIOTT A \#1A/ELLIOTT D \#2 bbls } (320 + 0) / 2 \approx \boxed{160} \text{ est.}$$

$$\text{ELLIOTT A \#1A/ELLIOTT D \#2 mcf } (33410 + 33455) / 2 \approx \boxed{33433} \text{ est.}$$

ALLOCATION

FM	BBL	%	GAS	%
DK	84	34%	4943	13%
MV	160	66%	33433	87%