

DHC

1376 8/1/96

## 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 87410-1893

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429Form C-107-A  
New 3-12-96

## APPROVAL PROCESS:

☒ Administrative ☐ Hearing

## EXISTING WELLBORE

☒ YES ☐ NO

## APPLICATION FOR DOWNHOLE COMMINGLING

Operator Caroco Inc.10 Desta Dr., Ste 100W, Midland TX 79705

Address

Lessee Heaton "LS"6 B-33-31N-11WSan Juan

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO 005073 Property Code 16730 API NO. 30-045-10175 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	Aztec PC 71280		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	2386' - 2428'		4695' - 4772'
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: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 247 psia b. (Original) 712 psia	a.  b.	a. 581 psia b. 1171 psia
6. Oil Gravity (°API) or Gas BTU Content	1188 BTU		1210 BTU
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* 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, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:  Date: 1996 mid-yr Rates: 7 mcf/gpd 0 bopd, 0 bwpd	Date: Rates:  Date: Rates:	Date: Rates:  Date: 1996 mid-yr Rates: 49 mcf/gpd 0 bopd, 0 bwpd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 12 %	Oil: % Gas: %	Oil: 100 % Gas: 88 %

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 ☐ No11. 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 other? ☒ Yes ☐ No13. 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  
Coordinator

DATE

6/28/96

TYPE OR PRINT NAME

Jerry W. Hoover

TELEPHONE NO. (

915)

686-6549

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.

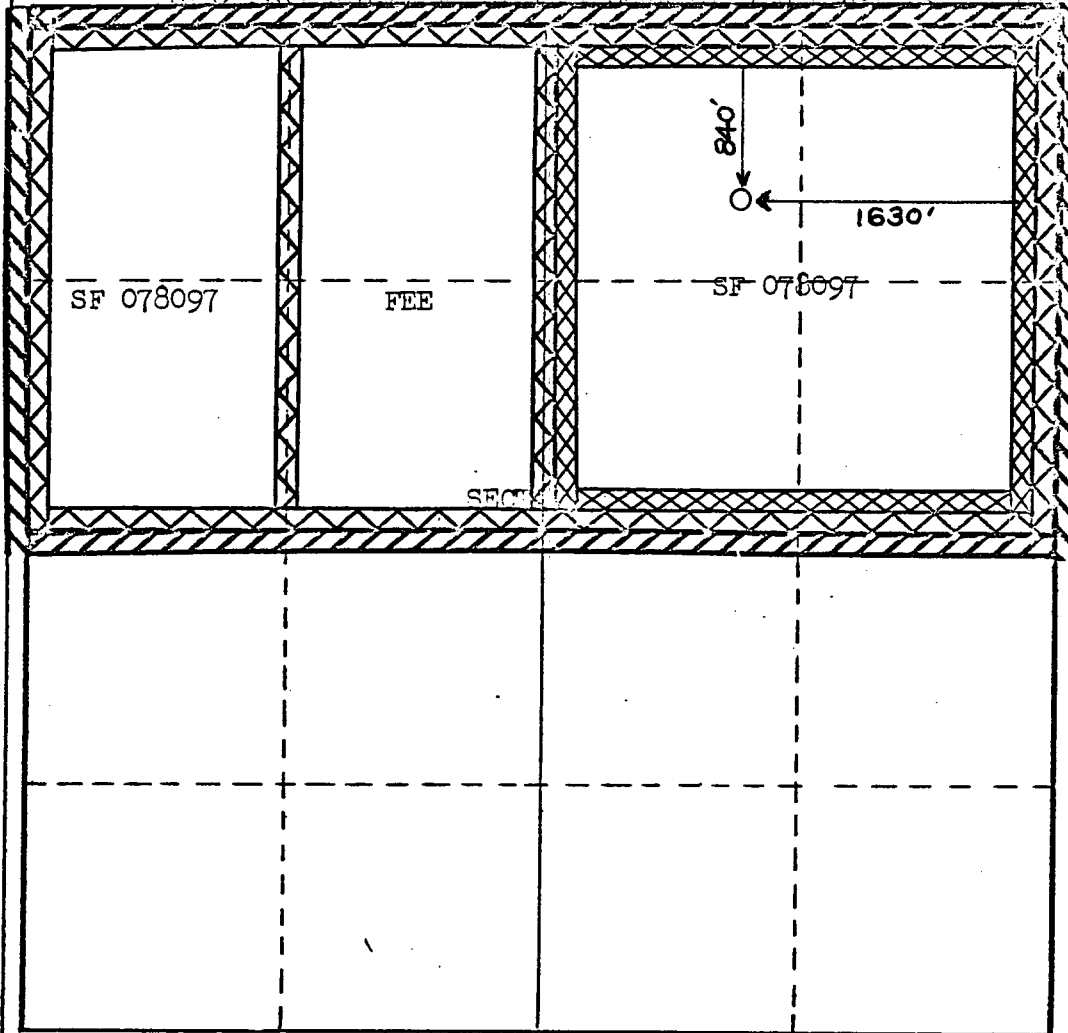
Operator <b>EL PASO NATURAL GAS COMPANY</b>			Lease <b>HEATON (SF 078097)</b>		Well No. <b>6 (PM)</b>
Unit Letter <b>B</b>	Section <b>33</b>	Township <b>31-N</b>	Range <b>11-W</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>840</b> feet from the <b>N</b> line and <b>1630</b> feet from the <b>E</b> line					
Ground Level Elev. <b>.</b>	Producing Formation <b>PC &amp; MV</b>		Pool <b>BLANCO MV &amp; AZTEC PC</b>		Dedicated Acreage: <b>155.61 PC 315.61 MV</b> <small>Acres</small>

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 Communitization

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. THIS PLAT REISSUED TO SHOW CORRECTED ACREAGE AS PER LETTER N.M.O.C. DATED 2-11-68.



CERTIFICATION

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

*Carl E. Matthews*  
Name

Petroleum Engineer

Position

El Paso Natural Gas Co.

Company

March 11, 1968

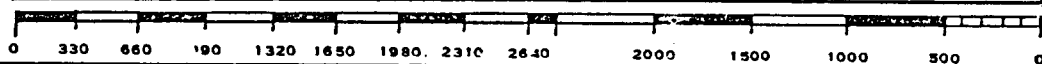
Date

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.



# Dwights

Lease: HEATON LS 000006

Retrieval Code: 251,045,31N11W33B00PC

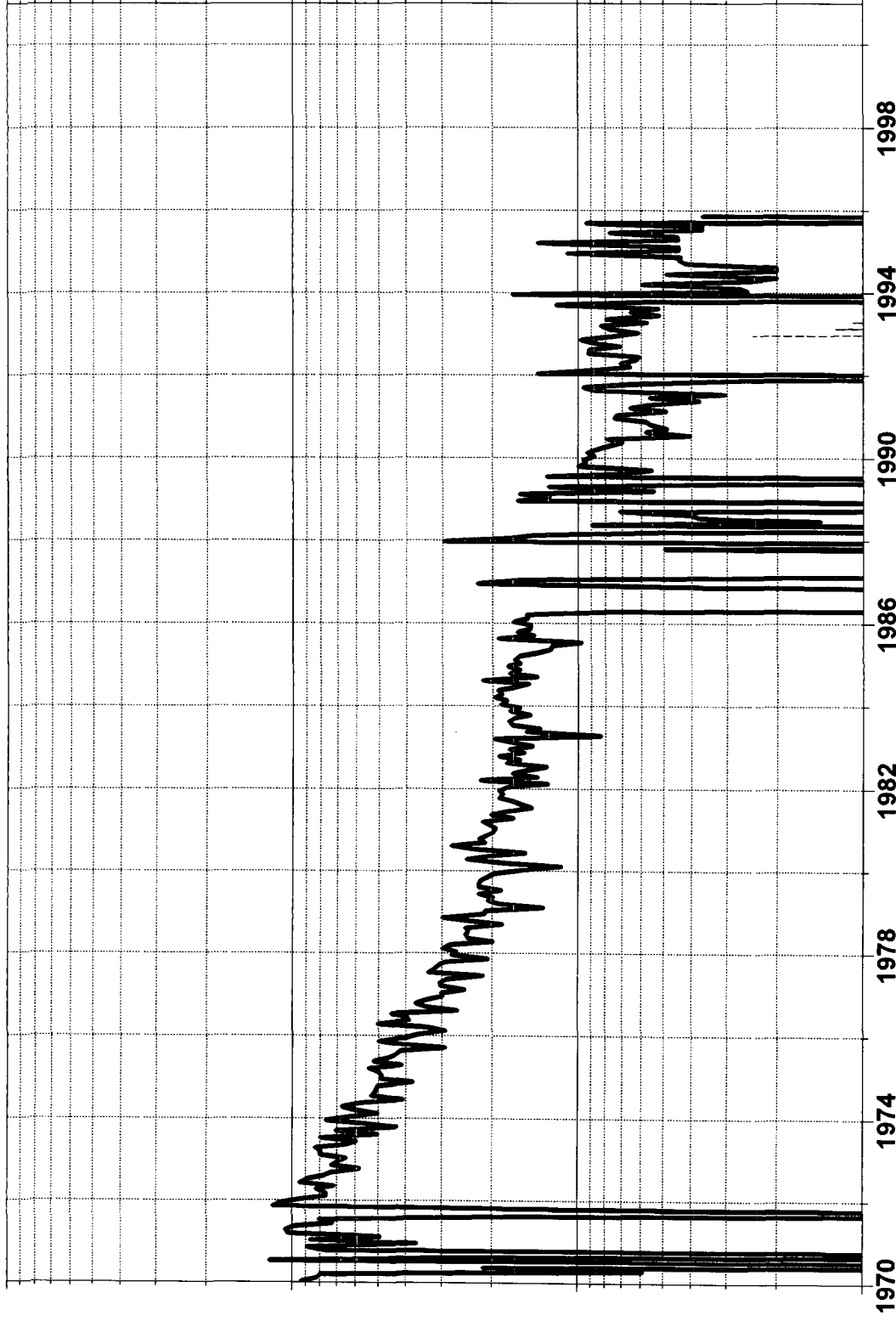
06/03/96

10<sup>3</sup>  
10<sup>3</sup>

10<sup>2</sup>  
10<sup>2</sup>

10  
10

1  
1



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

Well Count

County: SAN JUAN, NM

Field: AZTEC (PICTURED CLIFFS) PC

Reservoir: PICTURED CLIFFS

Operator: CONOCO INC

F.P. Date: 04/57

Oil Cum: 166 bbl

Gas Cum: 593.0 mmcf

Location: 33B 31N 11W

# Dwights

Lease: HEATON LS 000006

Retrieval Code: 251,045,31N11W33B00MV

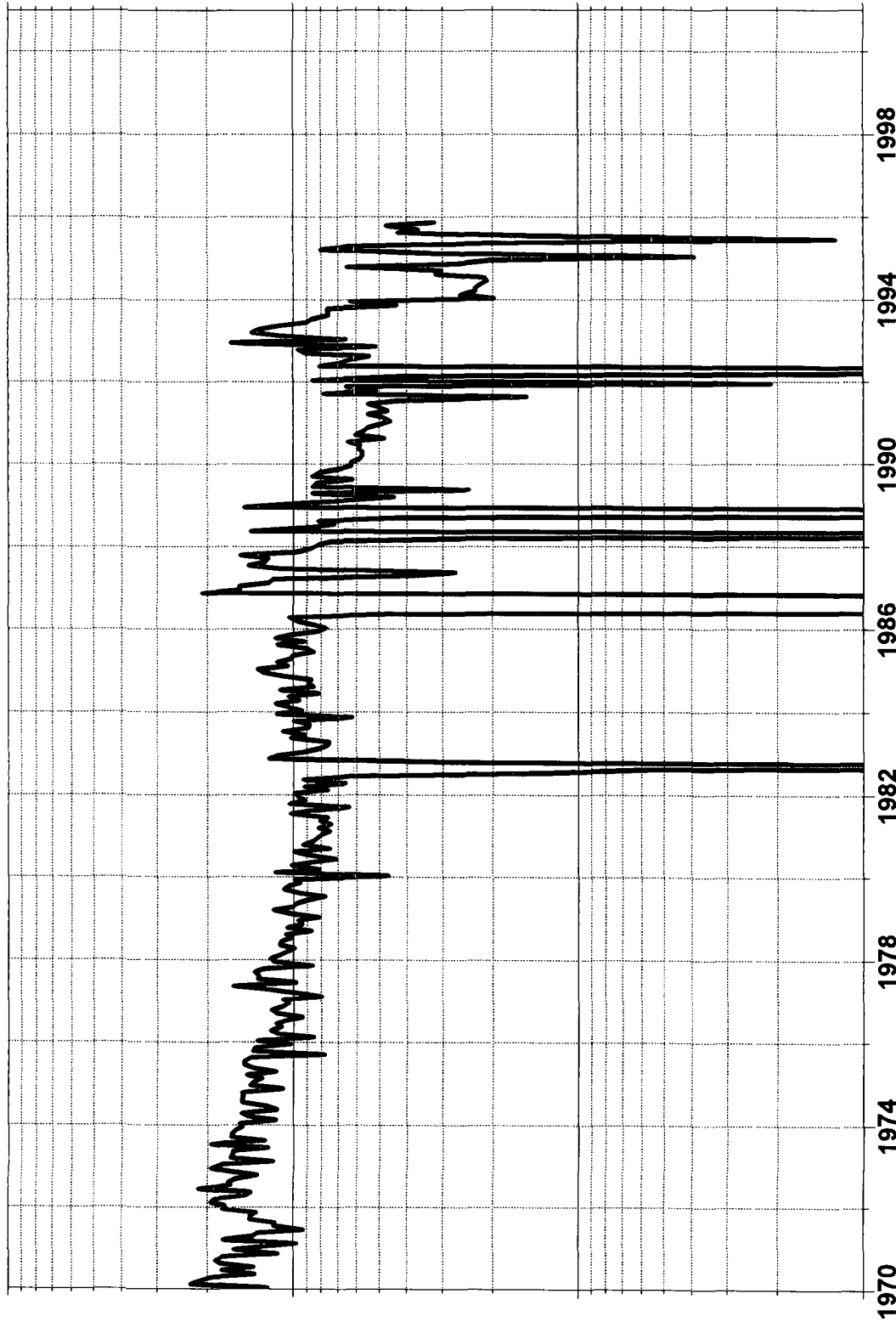
06/03/96

10<sup>3</sup>  
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10<sup>2</sup>  
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1  
1



Gas (mcf/day)

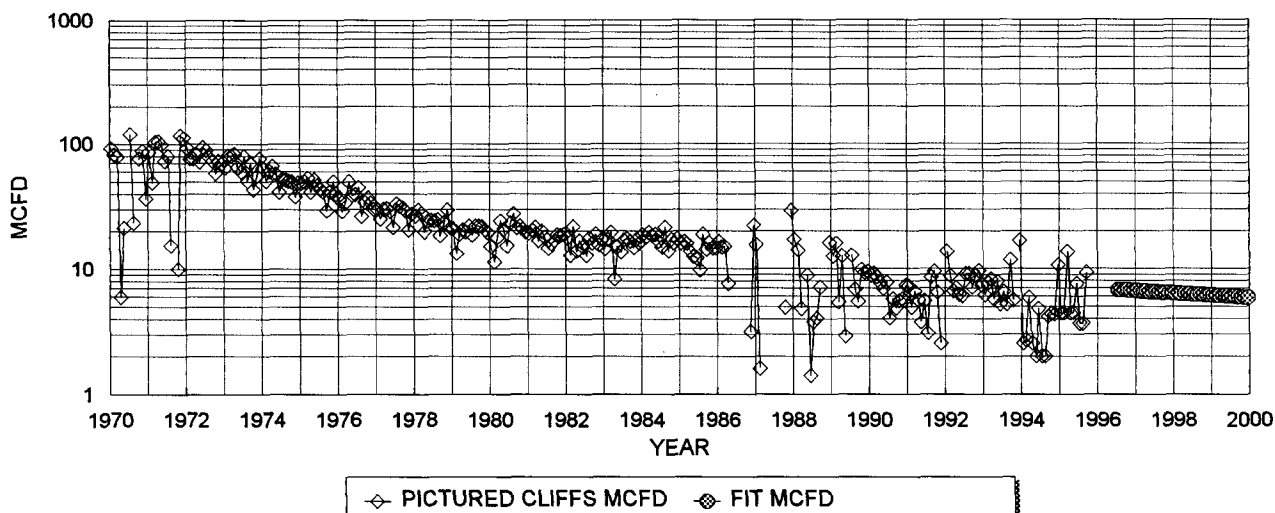
Water (bbl/day)

Oil (bbl/day)

Well Count

County: SAN JUAN, NM  
Field: BLANCO (MESAVERDE) MV  
Reservoir: MESAVERDE  
Operator: CONOCO INC  
F.P. Date: 10/56  
Oil Cum: 608 bbl  
Gas Cum: 1555 mmcf  
Location: 33B 31N 11W

### HEATON LS 6 PICTURED CLIFFS PRODUCTION SECTION 33B-31N-11W



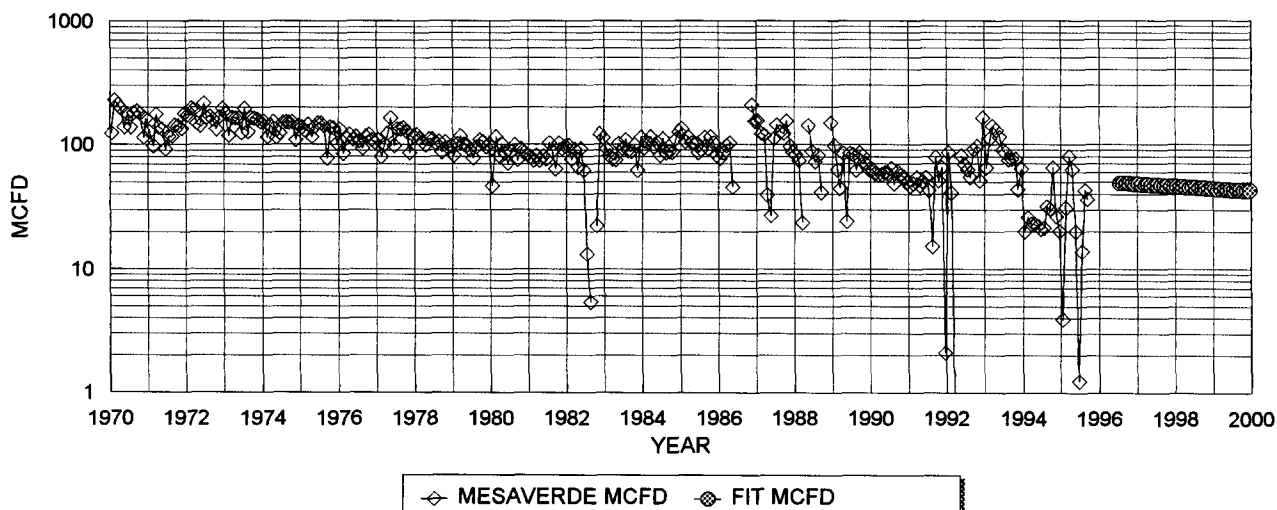
#### PICT. CLIFFS HISTORICAL DATA: 1ST PROD: 4/57

OIL CUM: 0.17 MBO  
GAS CUM: 592.87 MMCF  
OIL YIELD: 0.0003 BBL/MCF

#### PICTURED CLIFFS PROJECTED DATA

7/1/96 Q1: 7 MCFD  
DECLINE RATE: 4.0% (EXPONENTIAL)

### HEATON LS 6 MESAVERDE PRODUCTION SECTION 33B-31N-11W



#### MESAVERDE HISTORICAL DATA 1ST PROD: 10/56

OIL CUM: 0.61 MBO  
GAS CUM: 1552.00 MMCF  
OIL YIELD: 0.0004 BBL/MCF

#### MESAVERDE PROJECTED DATA

7/1/96 Q1: 49 MCFD  
DECLINE RATE: 4.0% (EXPONENTIAL)

#### FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
MESAVERDE:	88%	100%
PICTURED CLIF	12%	0%

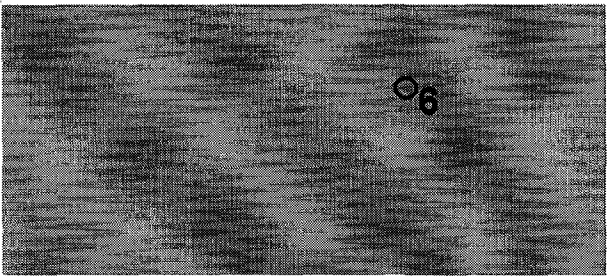
GAS ALLOCATION BASED ON PROJECTED 1996 RATES

OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS; (rounded due to very low oil production)

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

# Heaton "LS" No. 6

## OFFSET OPERATORS

29	28	27
AMOCO	AMOCO	Basin Minerals
AMOCO		Meridian
32	33	34
	Meridian	

Township 31N --- Range 11W