

DHC 1346 8/15/96

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 87410-1883

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:
 Administrative Hearing

EXISTING WELLBORE
 YES NO



APPLICATION FOR DOWNHOLE COMMINGLING

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

Lessee Johns Fed. Com Well No. 2A Unit Ltr. - Sec - Twp - Rge I-18-32N-11W County San Juan

OGRID NO. 005073 Property Code 017980 API NO. 30-045-22956 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 PC 72359		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	3248' - 3317'		4783' - 5786'
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) 340 psi	a.	a. 355 psi
	b. (Original) 987 psi	b.	b. 1194 psi
6. Oil Gravity (°API) or Gas BTU Content	1158 BTU		1171 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: Rates:	Date: Rates:
	Date: 1996 mid-yr Rates: 0 bopd 83 mcf/gpd, 0 bwpd	Date: Rates:	Date: 1996 mid-yr Rates: .0009 bbl/mcf 258 mcf/gpd, 0 bwpd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 24 %	Oil: % Gas: %	Oil: 100 % 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 other? 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 Coordinator DATE 7/24/96

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6549

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT - 6 1978

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

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

Operator Mesa Petroleum Company			Lease Johns-Federal		JLF SD	GD TIS	Well No. 2A
Unit Letter I	Section 18	Township 32N	Range 11W	County San Juan			

Actual Footage Location of Well:
1810 feet from the **South** line and **800** feet from the **East** line

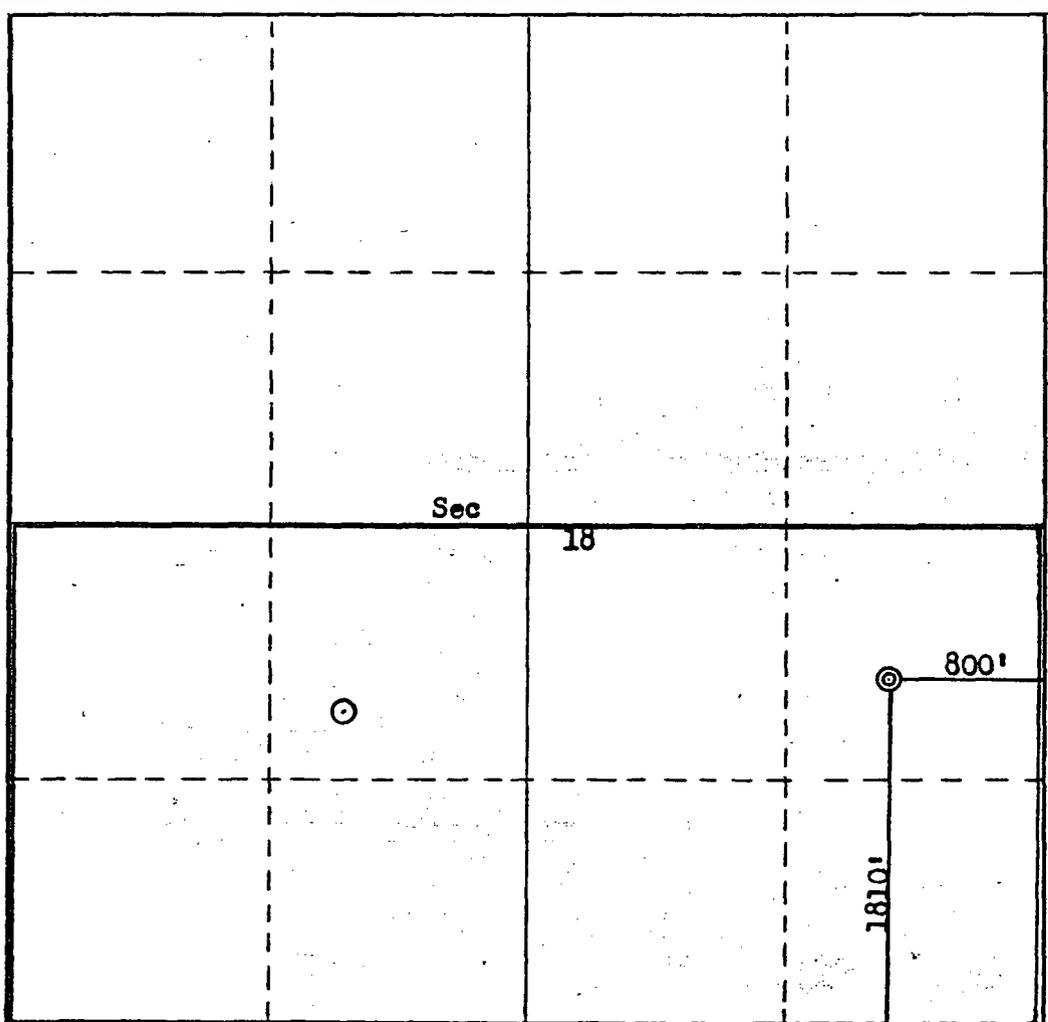
Ground Level Elev. 6610	Producing Formation Pictured Mesa Verde Cliffs	Pool Mesa Verde-Blanco Pictured Cliffs	Dedicated Acreage: MV 320, PC 160 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat 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.

John Alexander

Name

Agent

Position

Mesa Petroleum

Company

2-24-78

Date

John Alexander

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

February 6, 1978

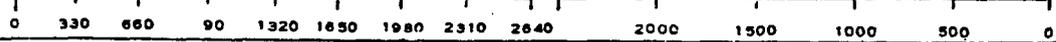
Registered Professional Engineer and/or Land Surveyor

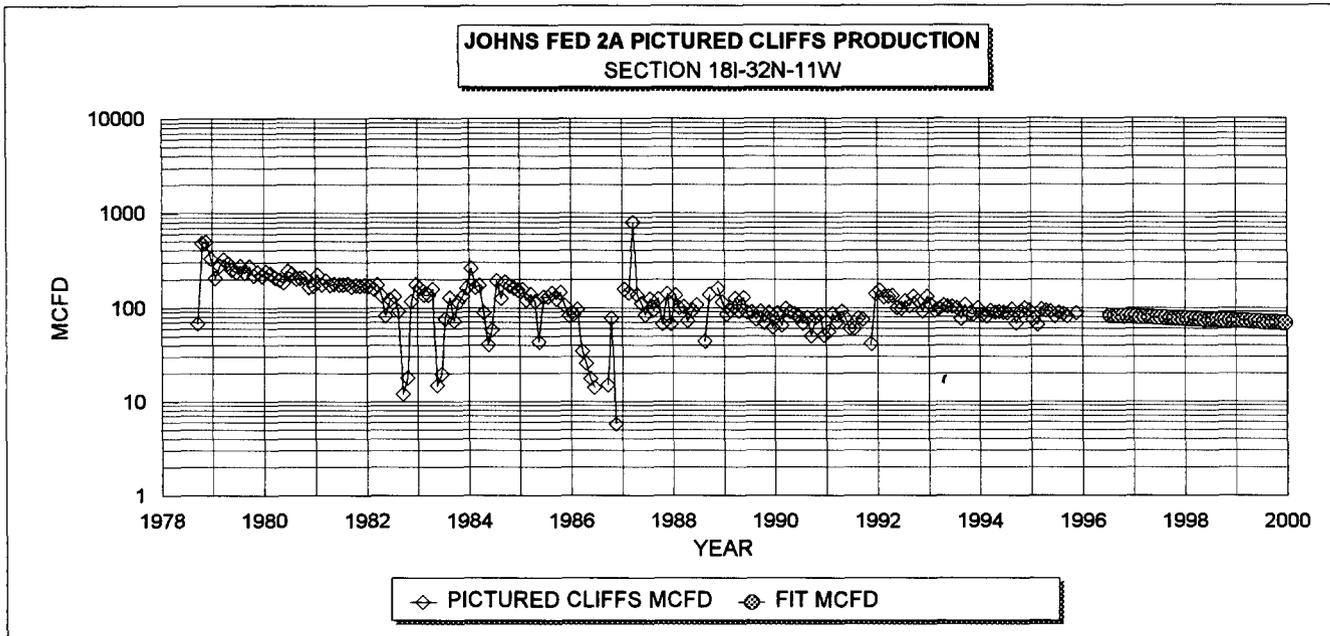
Fred B. Kerr Jr.

Fred B. Kerr Jr.

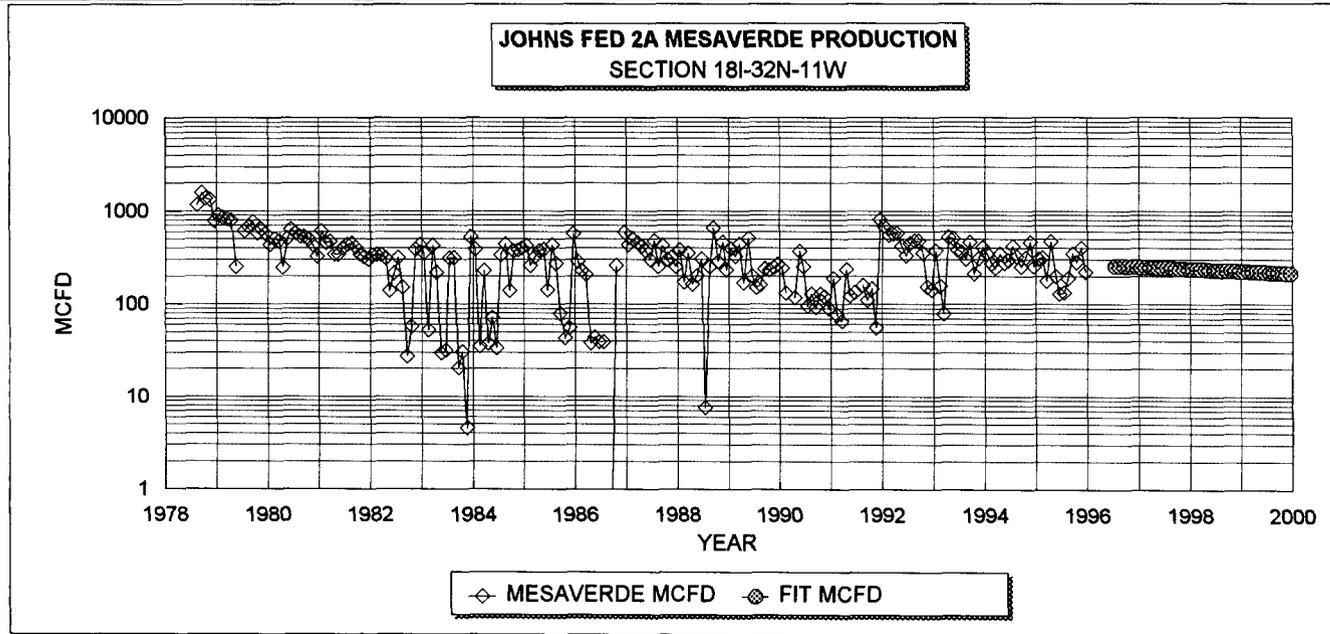
Certificate No.

3950





PICT. CLIFFS HISTORICAL DATA: 1ST PROD: 9/78 OIL CUM: 0.00 MBO GAS CUM: 784.0 MMCF OIL YIELD: 0.0000 BBL/MCF	PICTURED CLIFFS PROJECTED DATA 7/1/96 Qi: 83 MCFD DECLINE RATE: 5.0% (EXPONENTIAL)
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MESAVERDE HISTORICAL DATA 1ST PROD: 8/78 OIL CUM: 2.0 MBO GAS CUM: 2105.3 MMCF OIL YIELD: 0.0009 BBL/MCF	MESAVERDE PROJECTED DATA 7/1/96 Qi: 258 MCFD DECLINE RATE: 5.0% (EXPONENTIAL)
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FIXED COMMINGLE ALLOCATION FACTORS:		
	GAS	OIL
MESAVERDE:	76%	100%
PICTURED CLIF	24%	0%
		GAS ALLOCATION BASED ON PROJECTED 1996 RATES OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Dwights

Lease: JOHNS 00002A

06/17/96

Retrieval Code: 251,045,32N11W18100MV

10³
10³

10²
10²

10
10

1
1

10³
10⁴

10²
10³

10
10²

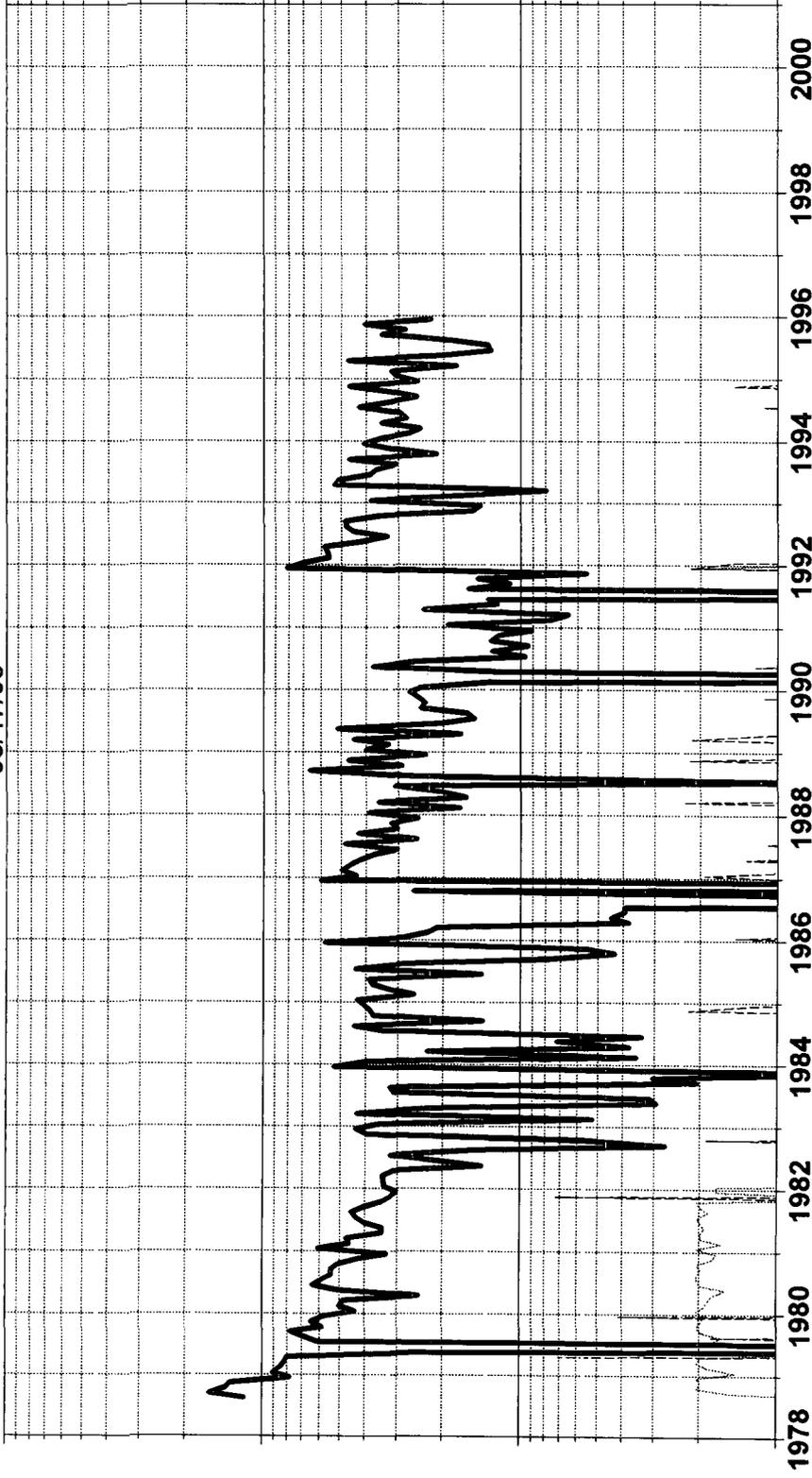
1
10

Gas (mcf/day)
Water (bbf/day)

Oil (bbf/day)
Well Count

County: SAN JUAN, NM
Field: BLANCO (MESAVARDE) MV
Reservoir: MESAVARDE
Operator: CONOCO INC

F.P. Date: 08/78
Oil Cum: 1991 bbl
Gas Cum: 2105 mmcf
Location: 181 32N 11W



Dwights

Lease: JOHNS FEDERAL 00002A

Retrieval Code: 251,045,32N11W18100PC

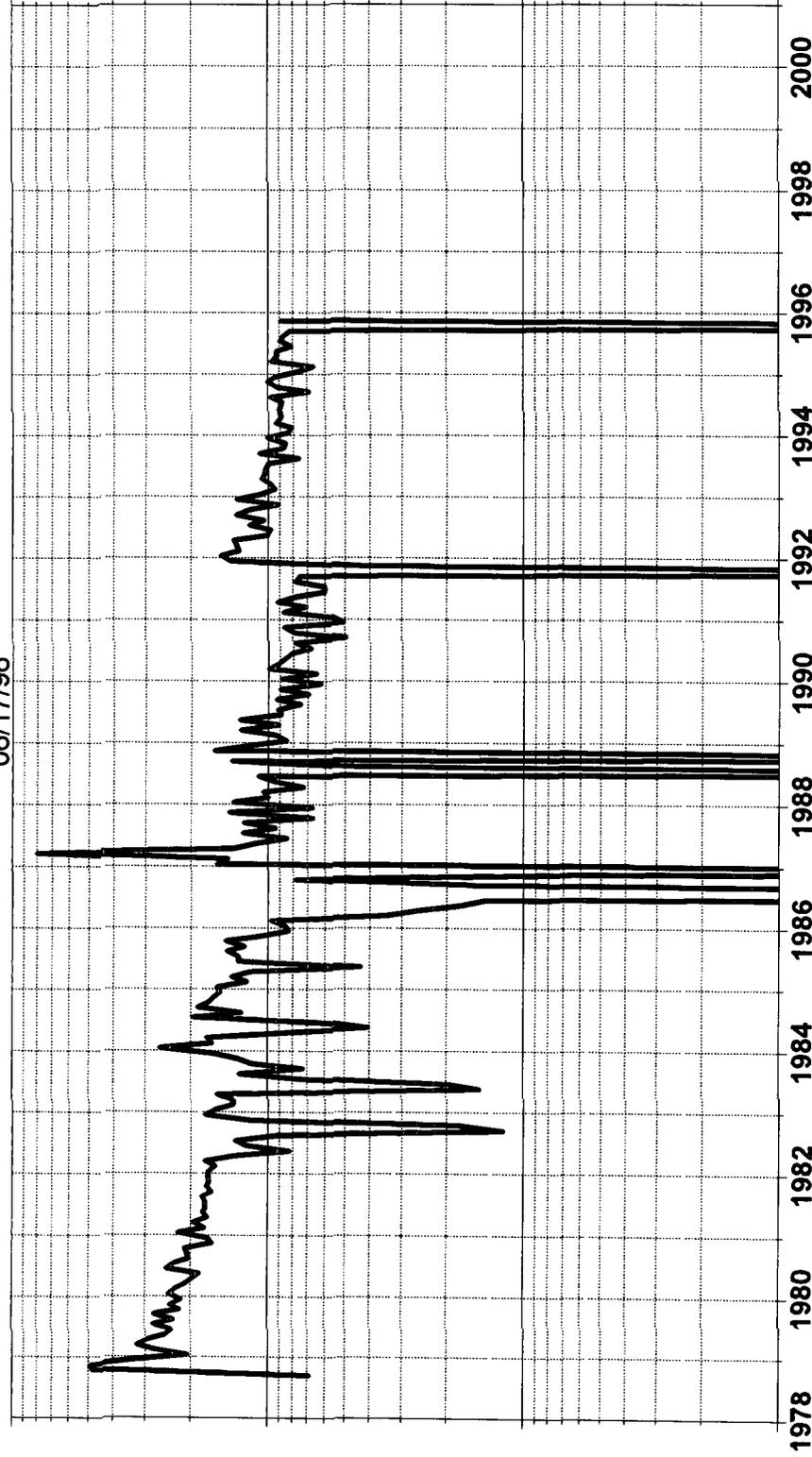
06/17/96

10³
10³

10²
10²

10
10

1
1



Oil (bbl/day)
Well Count

F.P. Date: 09/78
Oil Cum: 0 bbl
Gas Cum: 784.0 mmcf
Location: 181 32N 11W

County: SAN JUAN, NM
Field: BLANCO (PICTURED CLIFFS) PC
Reservoir: PICTURED CLIFFS
Operator: CONOCO INC

Gas (mcf/day)
Water (bbl/day)

10³
10³

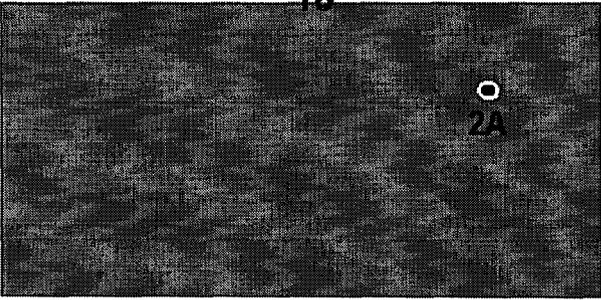
10²
10²

10
10

1
1

JOHNS FEDERAL NO. 2A

OFFSET OPERATORS

12	7	8
Kimbark	CONOCO	Northwest Pipeline
Emerald		
13	18	17
AMOCO		Great Western
Meridian	Meridian	Northwest Pipeline
AMOCO	Northwest Pipeline	Northwest Pipeline
24	19	20
T-32N, R-12W	T-32N, R-11W	

JOHNS FED. COM NO. 3M

Net Working Interests and Carried Working Interests Royalty Interest and Overriding Royalty Interests

Name & Address	Interest Type	Mesverde % Interest	Pictured Cliffs % Interest
Conono Inc. 10 Desta Drive West Ste. 100W Midland, TX 79705	Working	74.00365	74.00365
Conoco Inc. 10 Desta Drive West Ste. 100W Midland, TX 79705	Carried Working	8.496308	8.49630
Bureau of Land Management 1235 La Plata Highway Farmington, NM 87401	Royalty	7.83258	9.37500
Virginia Lee Streeter 5815 Parfet Street Arvada, CO 80004	Royalty	2.33371	1.56250
Carl V. Bates P.O. Box 957 Ouray, CO 81427	Royalty	2.33371	1.56250
Enron Oil & Gas P.O. Box 840321 Dallas, TX 75283	Overriding Royalty	.93349	.62500
Ruby G. Johns 1002 S. Penn Roswell, NM 88201	Overriding Royalty	1.56652	1.87500
Elliott Oil Co. Box 1355 Roswell, NM 88202	Overriding Royalty1	1.56651	1.87500
Meridian Oil Inc. P.O. Box 830656 Dallas, TX 75284	Overriding Royalty	.93349	.62500

September 3, 1996

Note to DHC File:

Conoco failed to complete Item No. 10, specifically the question of whether the interest owners were notified of the application. Ben Stone contacted Mr. Jerry Hoover on 9/3/96 who assured us that it was just a technical glitch, and that in fact, these interest owners were notified. We will proceed processing the application on the assurance of Mr. Hoover.

DRC