

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 South First St., Artesia, NM 88210-2835

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELL BORE
☒ YES ☐ NO

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator FLORANCE T	123E	Address M-3-29N-8W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

Spacing Unit Lease Types: (check 1 or more)
OGRID NO. 000778 Property Code 000552 API NO. 3004525564 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 MESAVERDE 72319		BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	4642' - 5333' PROPOSED		7294' - 7516'
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) 595 PSI b. (Original) 1200 PSI	a. b.	a. 700 PSI b. 1600 PSI
6. Oil Gravity (° API) or Gas BTU Content	1150 BTU / 49 DEG API		1100 BTU / 59 DEG API
7. Producing or Shut-In?	NEW		PRODUCING
Production Marginal? (yes or no)	NO		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	Date: EST Rates: 305 MCFD 1 BCPD 1 BWPD	Date: Rates:	Date: Rates:
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	4/12-5/12/97 30 MCFD 1 BCPD 1 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 50 % Gas 90 %	Oil: % Gas %	Oil: 50 % Gas 10 %

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 SF-078596-A
15. NMOC 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 PAMELA W. STALEY TITLE REGULATORY AFFAIRS ENGR DATE 5/27/97
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. (303) 830-5344

OFFSET OPERATORS
Florance T #123E

Burlington Resources Oil and Gas Co.
P.O. Box 4289
Farmington, NM 87499

Lively Exploration Co.
1300 Post Oak #1900
Houston, Texas 77056

Production Allocation Recommendation
Florance T #123E

Production is proposed to be allocated based on a percentage allocation. The production for the Mesaverde is based on the attached analysis of offset production as well as reservoir simulation (curve attached)

Gas:	DK	30 MCFD	10%
	MV	305 MCFD	90%

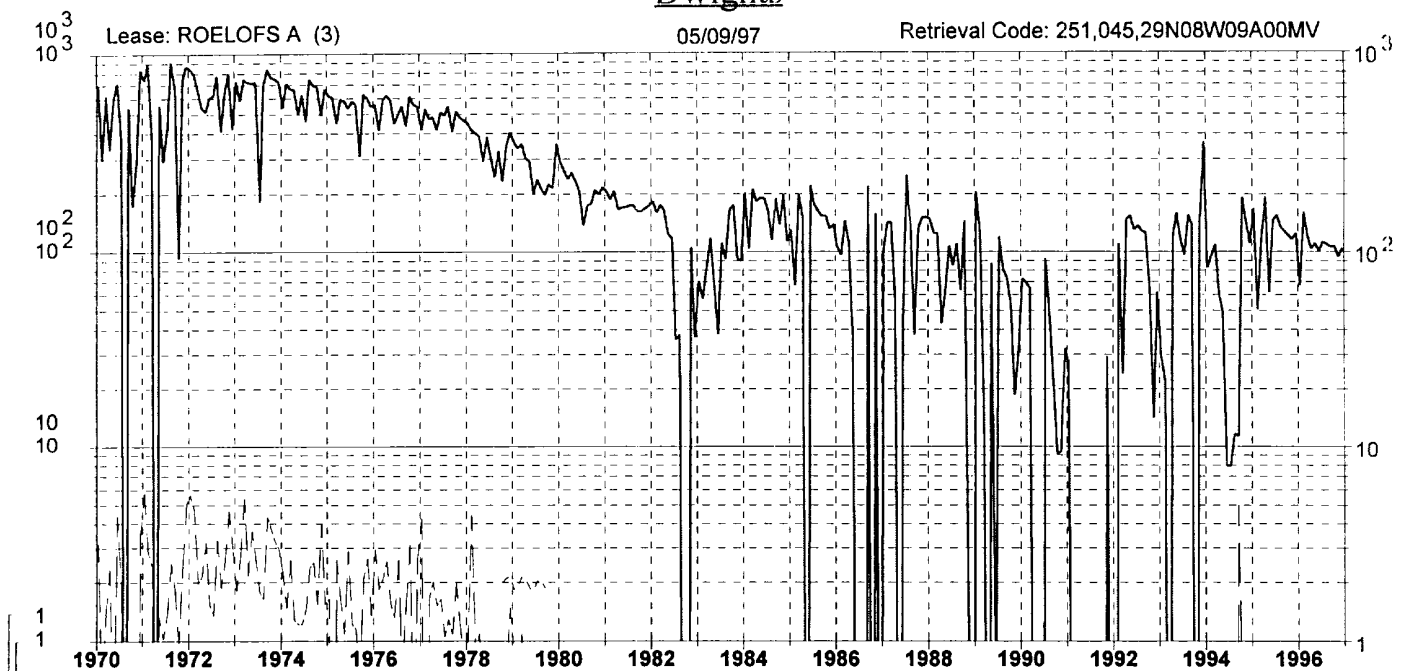
Oil and Water:			
	DK	1 BPD Each product	50%
	MV	1 BPD Each Product	50%

Dwights

Lease: ROELOFS A (3)

05/09/97

Retrieval Code: 251,045,29N08W09A00MV



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

County: SAN JUAN, NM
Field: BLANCO (MESAVERDE) MV
Reservoir: MESAVERDE
Operator: AMOCO PRODUCTION CO

F.P. Date: 05/53
Oil Cum: 14.33 mbbl
Gas Cum: 5009 mmcf
Location: 9A 29N 8W

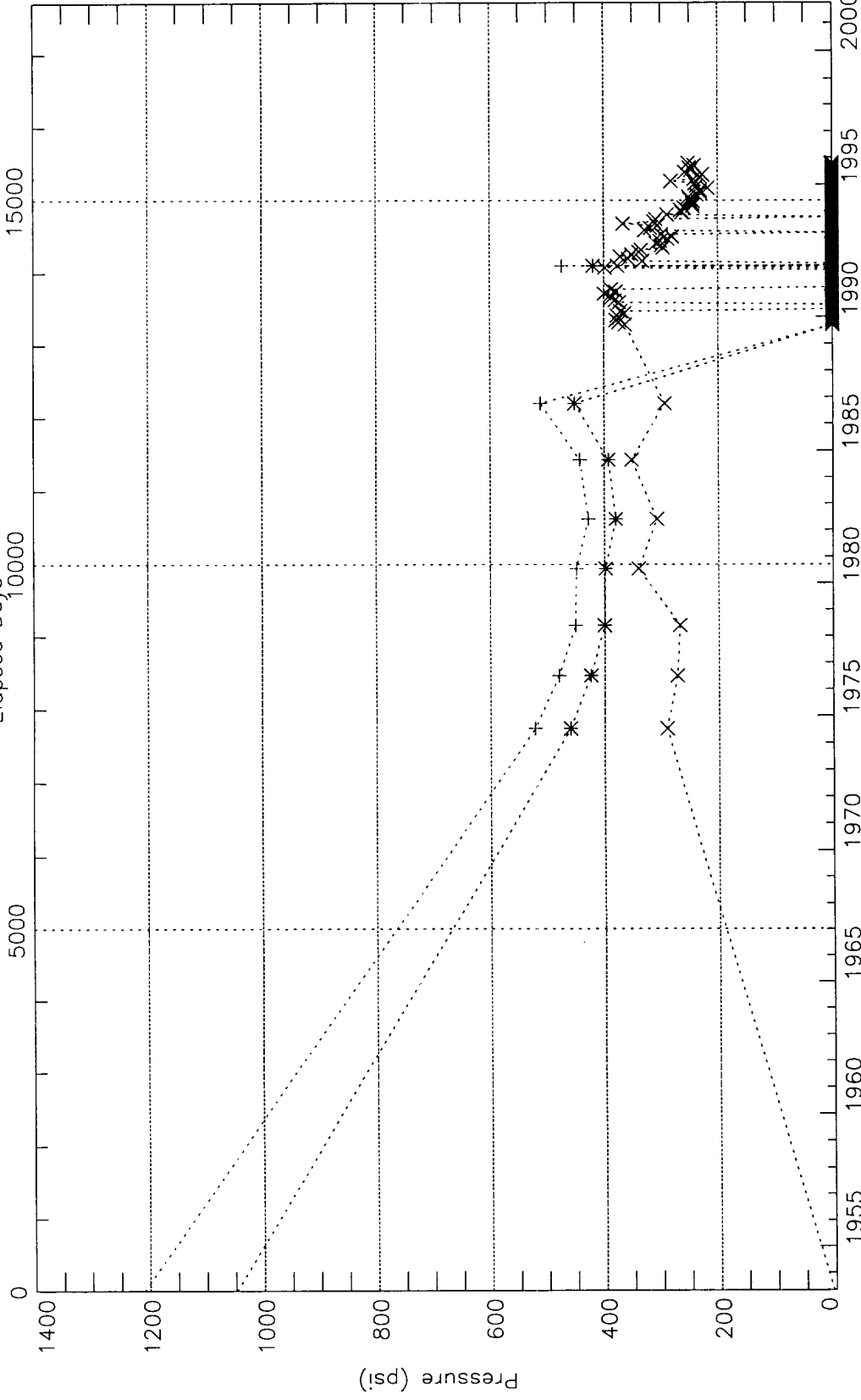
Oil (bbl/day)

User: zrar06
Owner: 2DMHF

Single Well Gas3D

Description 1
Mon May 5 13:44:11 1997

Elapsed Days



Well ID: 300450858100 604MVRD

Well Name: ROELOFS /A/ 003A09

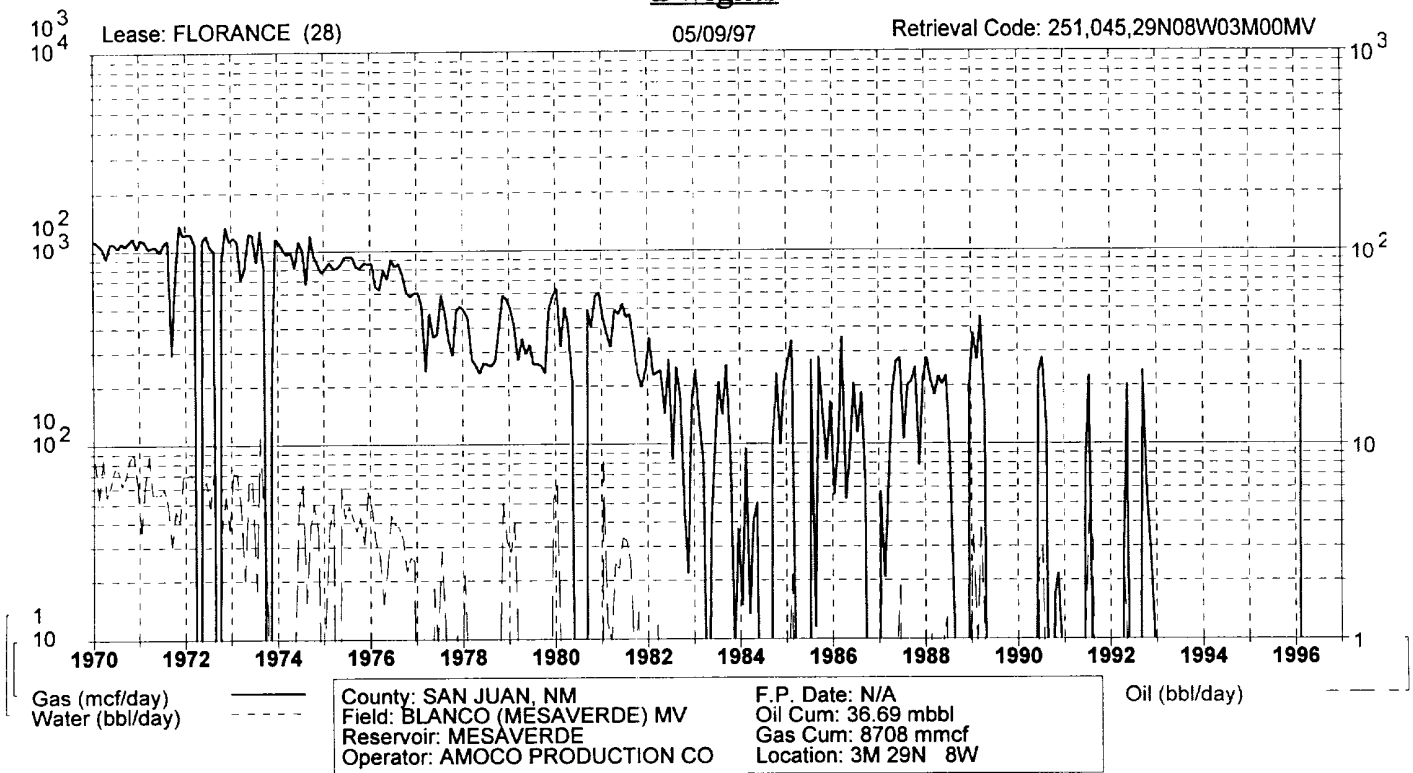
Operator: AMOCO PRODUCTION COMPANY

Dwights

Lease: FLORANCE (28)

05/09/97

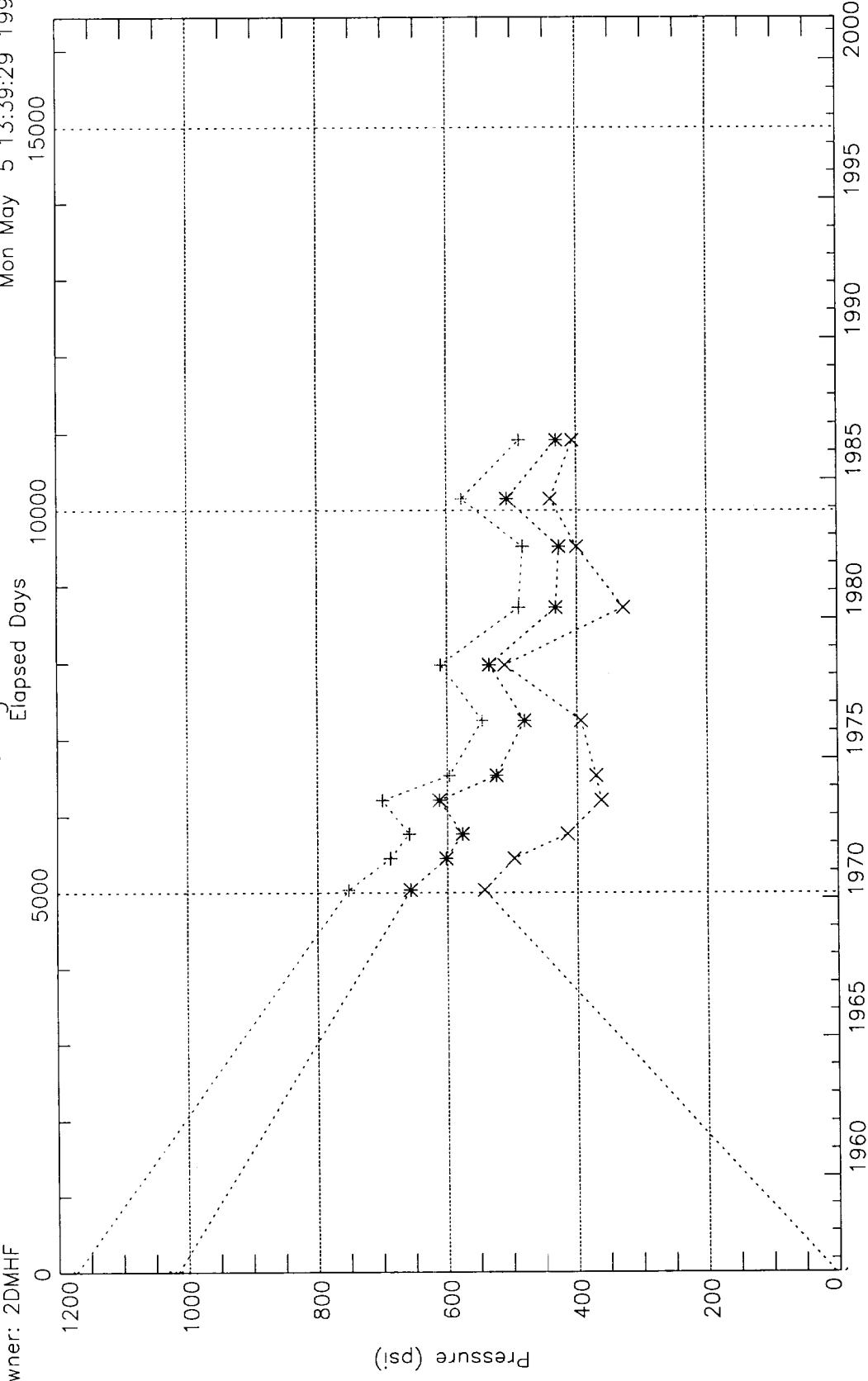
Retrieval Code: 251,045,29N08W03M00MV



User: zrar06
Owner: 2DMHF

Single Well Gas3D

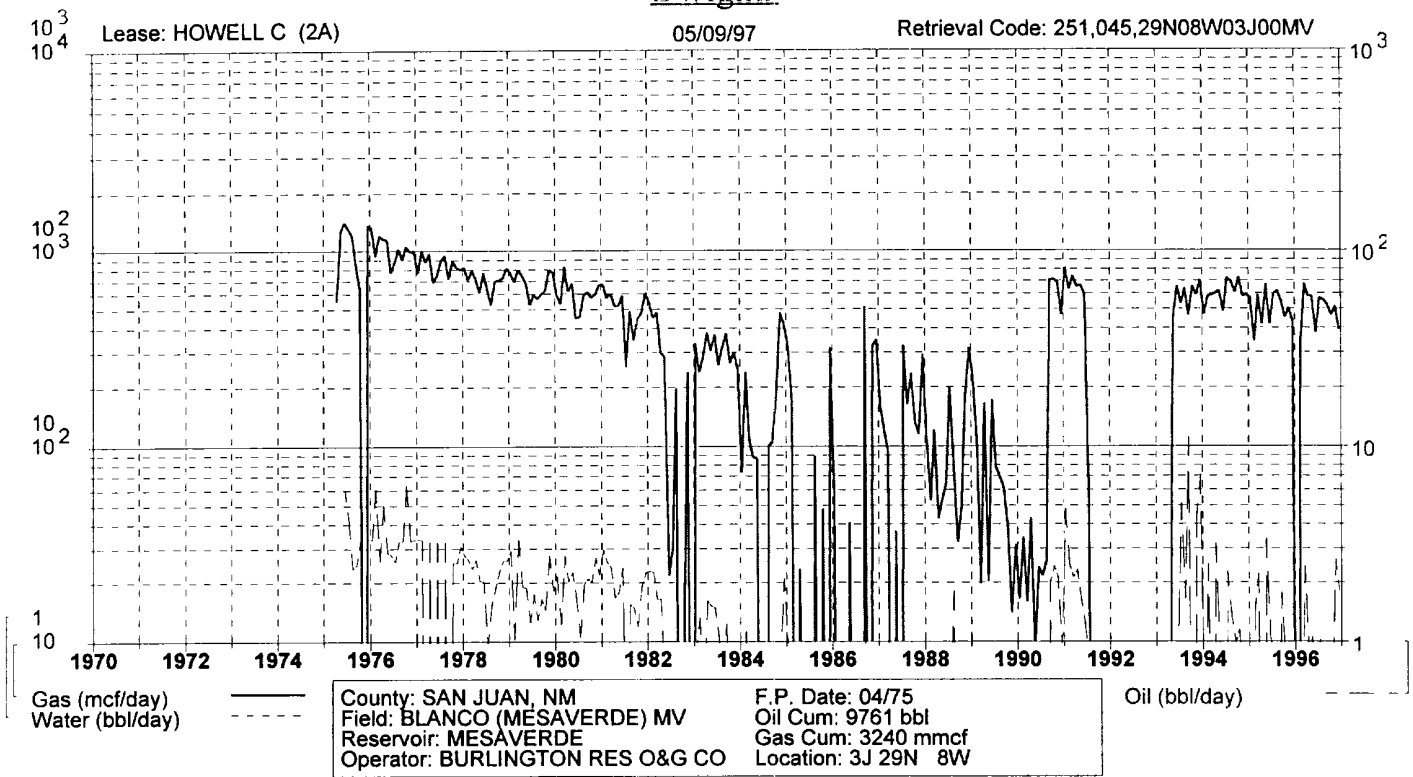
Description 1
Mon May 5 13:39:29 1997



WH_SIP (*)
BHP (+)
WH_FTP (x)

Date (Years)

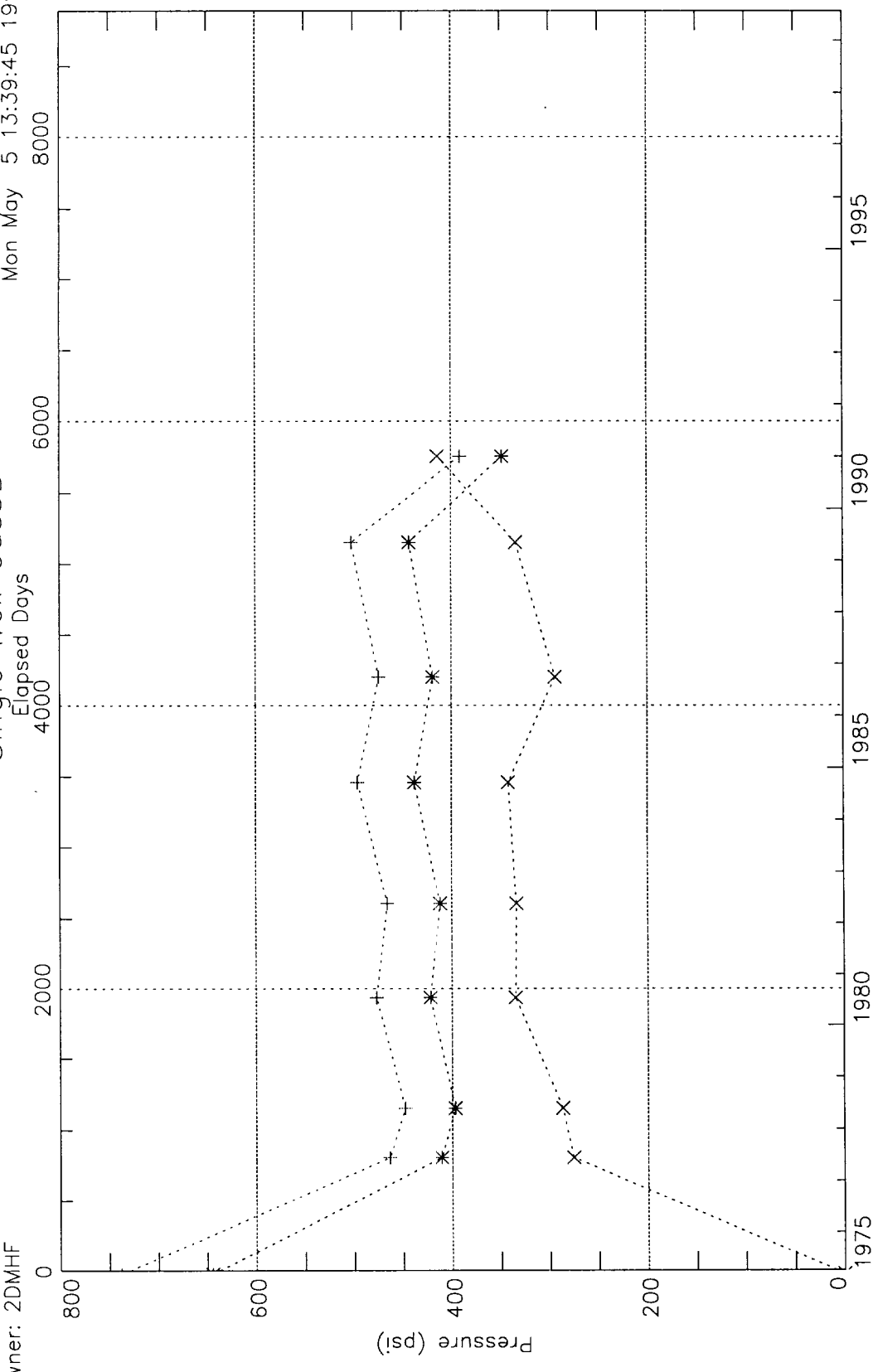
Well ID: 300450863400 604MVRD
Well Name: FLORANCE 28&28A 028M03
Operator: AMOCO PRODUCTION COMPANY



User: zrar06
Owner: 2DMHF

Single Well Gas3D

Description 1
Mon May 5 13:39:45 1997



Well ID: 300452163500 604MVRD
Well Name: HOWELL C 2A
Operator: MERIDIAN OIL INCORPORATED

WH_SIP (*)
BHP (+)
WH_FTP (x)

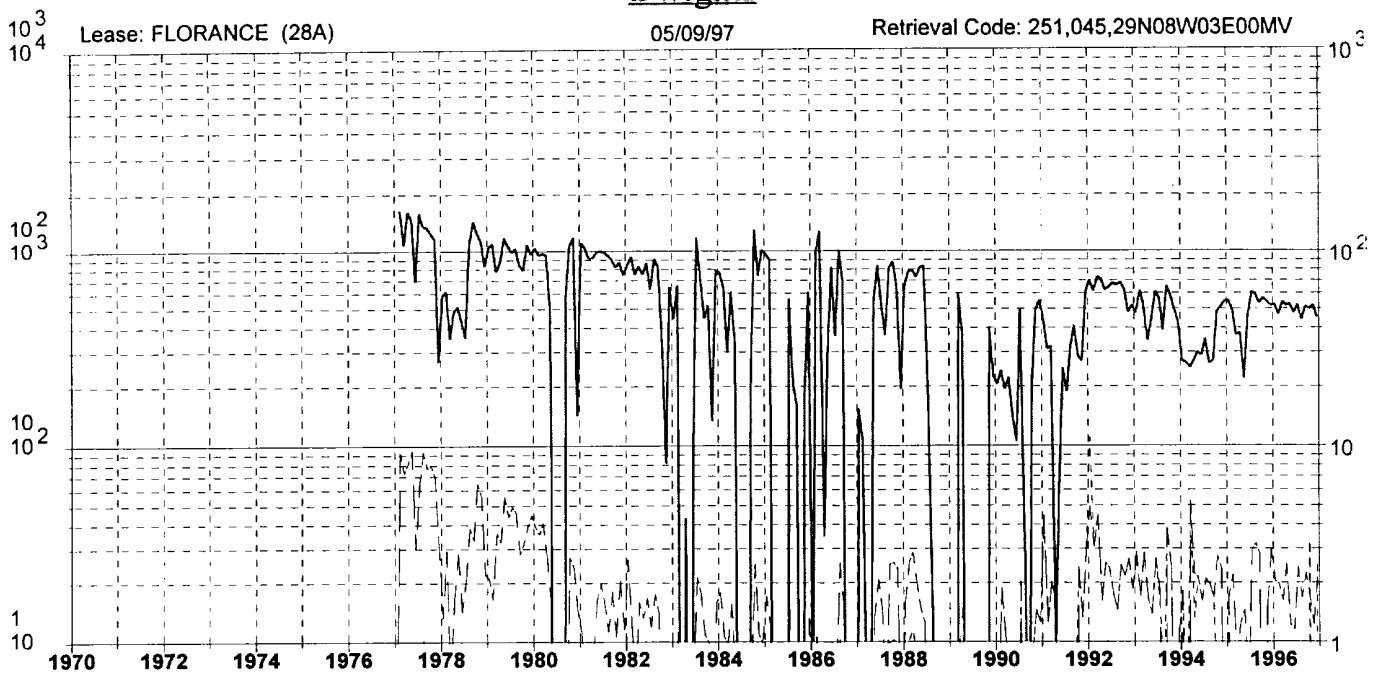
Date (Years)

Dwights

Lease: FLORANCE (28A)

05/09/97

Retrieval Code: 251,045,29N08W03E00MV



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

County: SAN JUAN, NM
Field: BLANCO (MESAVERDE) MV
Reservoir: MESAVERDE
Operator: AMOCO PRODUCTION CO

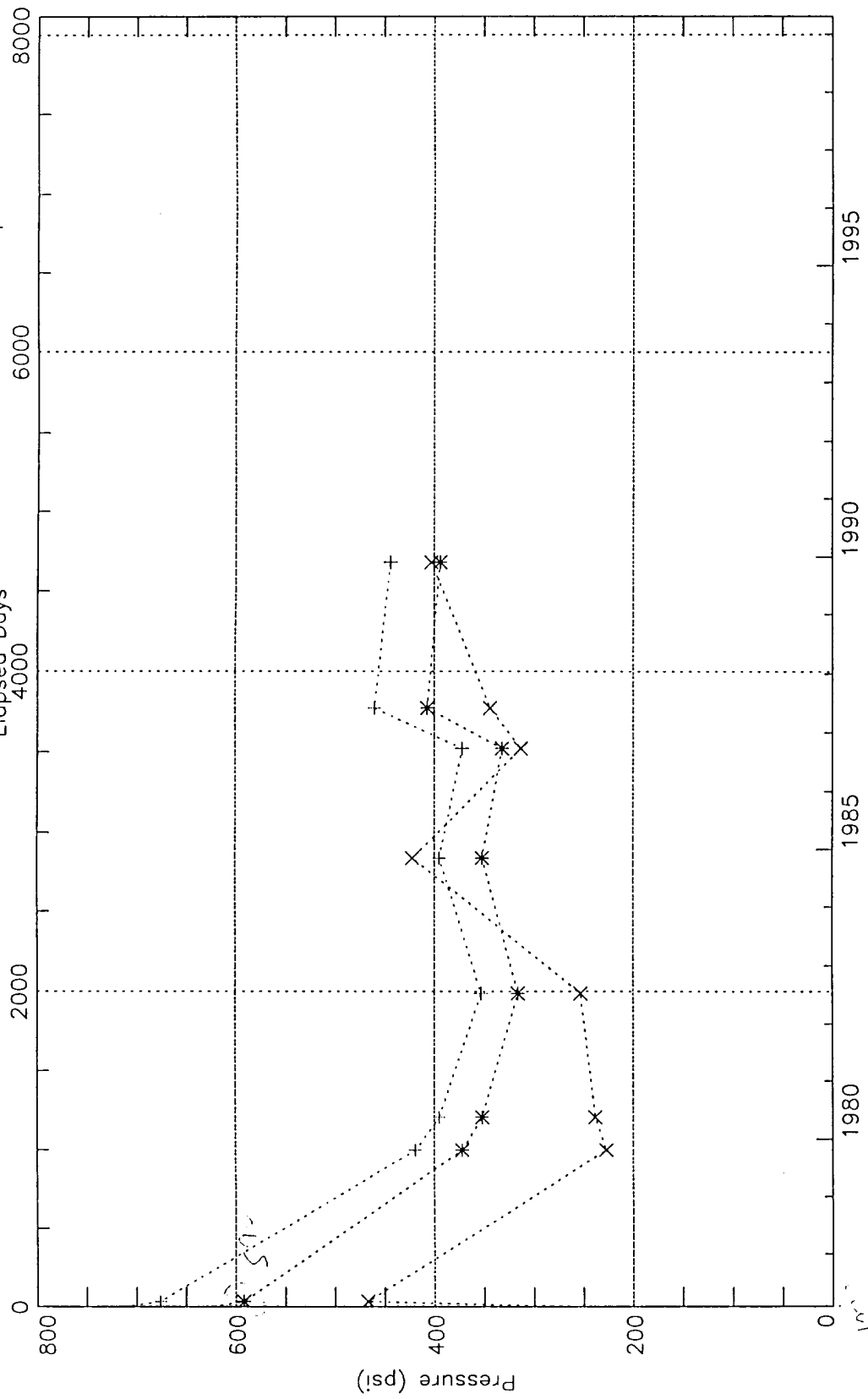
F.P. Date: 01/77
Oil Cum: 12.99 mbbl
Gas Cum: 3928 mmcf
Location: 3E 29N 8W

Oil (bbl/day)

User: zr06
Owner: 2DMHF

Single Well Gas3D

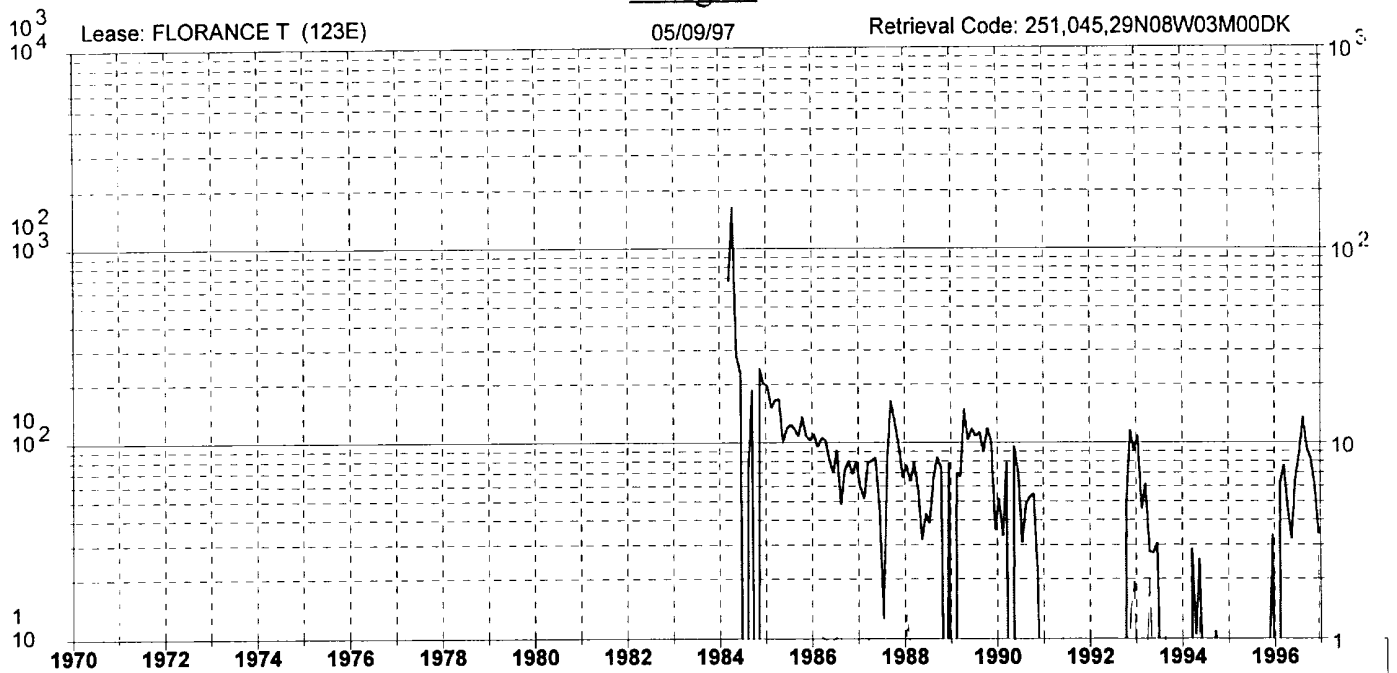
Description 1
Thu Apr 10 15:48:46 1997



WH_SIP (*)
BHP (+)
WH_FTP (x)

Date (Years)

Well ID: 300452211500 604MVRD
Well Name: FLORANCE 28&28A A028E03
Operator: AMOCO PRODUCTION COMPANY



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

County: SAN JUAN, NM
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: AMOCO PRODUCTION CO

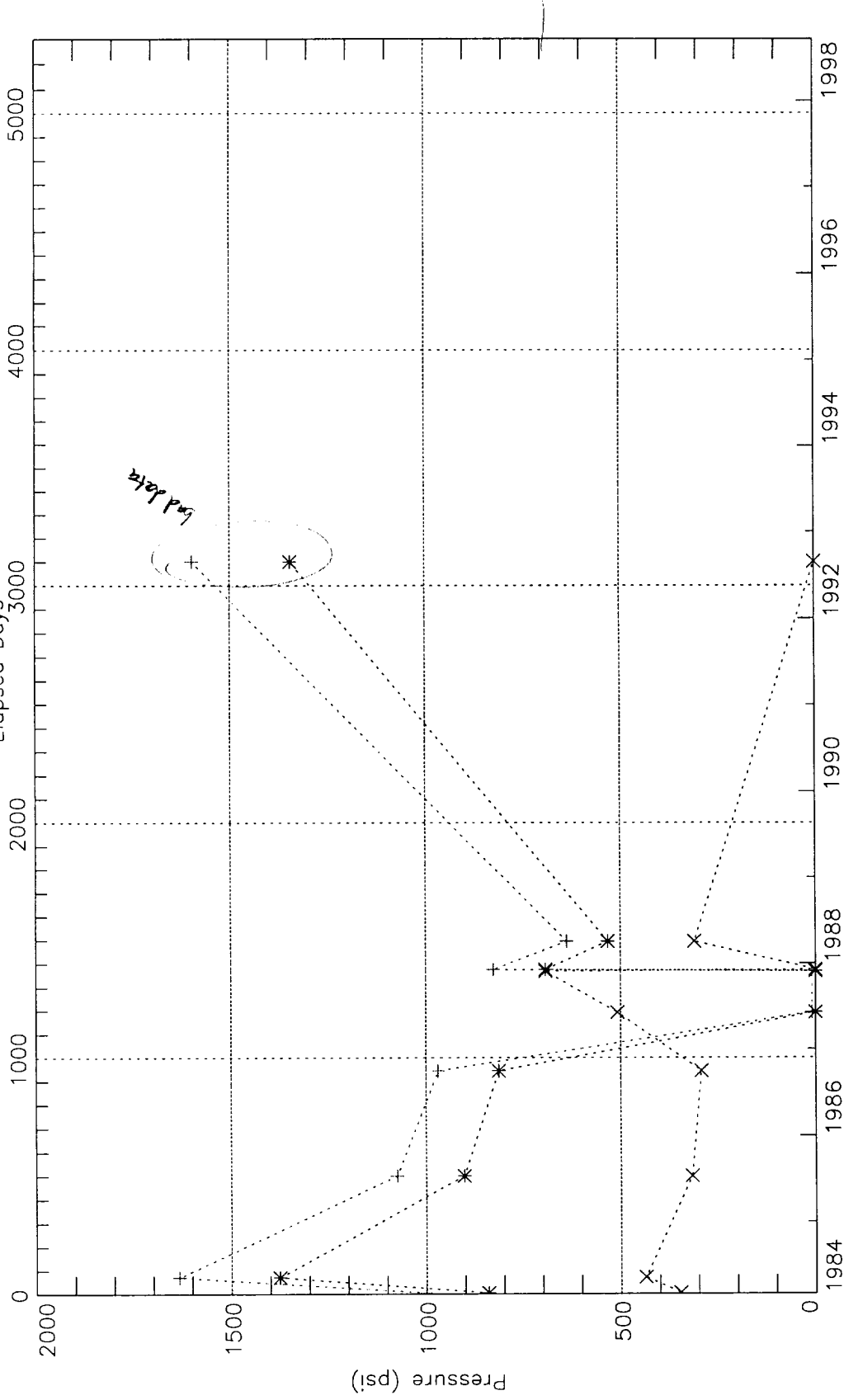
F.P. Date: 03/84
Oil Cum: 747 bbl
Gas Cum: 331.4 mmcf
Location: 3M 29N 8W

Oil (bbl/day)

User: zr06
Owner: 2DMHF

Single Well Gas3D
Elapsed Days

Description 1
Mon May 5 13:44:52 1997



Date (Years)

WH_SIP (*)
BHP (+)
WH_FTP (x)

Well ID: 300452556400 602DKOT
Well Name: FLORANCE /T/ E123M03
Operator: AMOCO PRODUCTION COMPANY

Well Production Summary Report

Well: FLORANCE T 123E-DK

Report Date: 5/12/97

Flac: 97981501

Foreman: EL PASO CONVENTIONAL

Meter: 94862

Pumper: GTRUNK A

PipeLine: 604605

Kind: GAS WELLS EXCEPT CO2

Date	MCF	Gas Nomin.	Down Time	Tubing Press	Casing Press	Line Press	ADP	Temp	Flow Mtr Prod.	OIDB Date
Apr 12, 97 FLOWING	32	52	0.0			202	2	43		4/14/97 10:00:00
Apr 13, 97 FLOWING	32	52	0.0			198	3	43		4/14/97 10:03:00
Apr 14, 97 FLOWING	34	52	0.0			197	2	46		4/15/97 06:45:00
Apr 15, 97 FLOWING	31	52	0.0			203	2	55		4/18/97 17:52:00
Apr 16, 97 FLOWING	33	52	0.0			202	2	56		4/18/97 17:54:00
Apr 17, 97 FLOWING	33	52	0.0			200	2	57		4/19/97 17:52:00
Apr 18, 97 FLOWING	32	52	0.0			203	2	57		4/20/97 07:59:00
Apr 19, 97 FLOWING	28	52	0.0			202	2	59		4/21/97 10:51:00
Apr 20, 97 FLOWING	30	52	0.0			201	2	59		4/21/97 10:53:00
Apr 21, 97 FLOWING	30	52	0.0			201	1	61		4/22/97 08:12:00
Apr 22, 97 FLOWING	31	52	0.0			211	2	59		4/23/97 07:39:00
Apr 23, 97 FLOWING	32	52	0.0			200	3	46		4/25/97 08:44:00
Apr 24, 97 FLOWING	31	52	0.0			204	2	40		4/25/97 08:48:00
Apr 25, 97 FLOWING	31	52	0.0			207	2	48		4/27/97 07:59:00
Apr 26, 97 FLOWING	32	52	0.0			204	2	54		4/27/97 08:03:00
Apr 27, 97 FLOWING	31	52	0.0			210	2	60		4/28/97 09:25:00
Apr 28, 97 FLOWING	31	52	0.0			206	2	61		4/29/97 06:59:00
Apr 29, 97 FLOWING	30	52	0.0			204	2	56		5/1/97 08:44:00
Apr 30, 97 FLOWING	31	52	0.0			202	2	58		5/1/97 08:48:00
May 01, 97 FLOWING	30	42	0.0			204	2	50		5/3/97 06:57:00
May 02, 97 FLOWING	28	42	0.0			198	2	50		5/4/97 08:04:00
May 03, 97 FLOWING	27	42	0.0			201	2	58		5/4/97 08:07:00
May 04, 97 FLOWING	30	42	0.0			204	2	66		5/7/97 18:06:00
May 05, 97 FLOWING	30	42	0.0			199	2	66		5/7/97 18:09:00
May 06, 97 FLOWING	27	42	0.0			199	1	74		5/7/97 18:10:00
May 07, 97 FLOWING	31	42	0.0			208	2	67		5/9/97 07:59:00
May 08, 97 FLOWING	12	42	0.0			204	3	49		5/11/97 08:10:00
May 09, 97 FLOWING	0	42	0.0			200		64		5/11/97 08:13:00
May 10, 97 FLOWING	65	42	0.0			201	8	63		5/12/97 07:13:00
May 11, 97 FLOWING	34	42	0.0			199	2	70		5/12/97 07:15:00
Total:	909	1,450	0.0			202	2	57	0	

CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

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

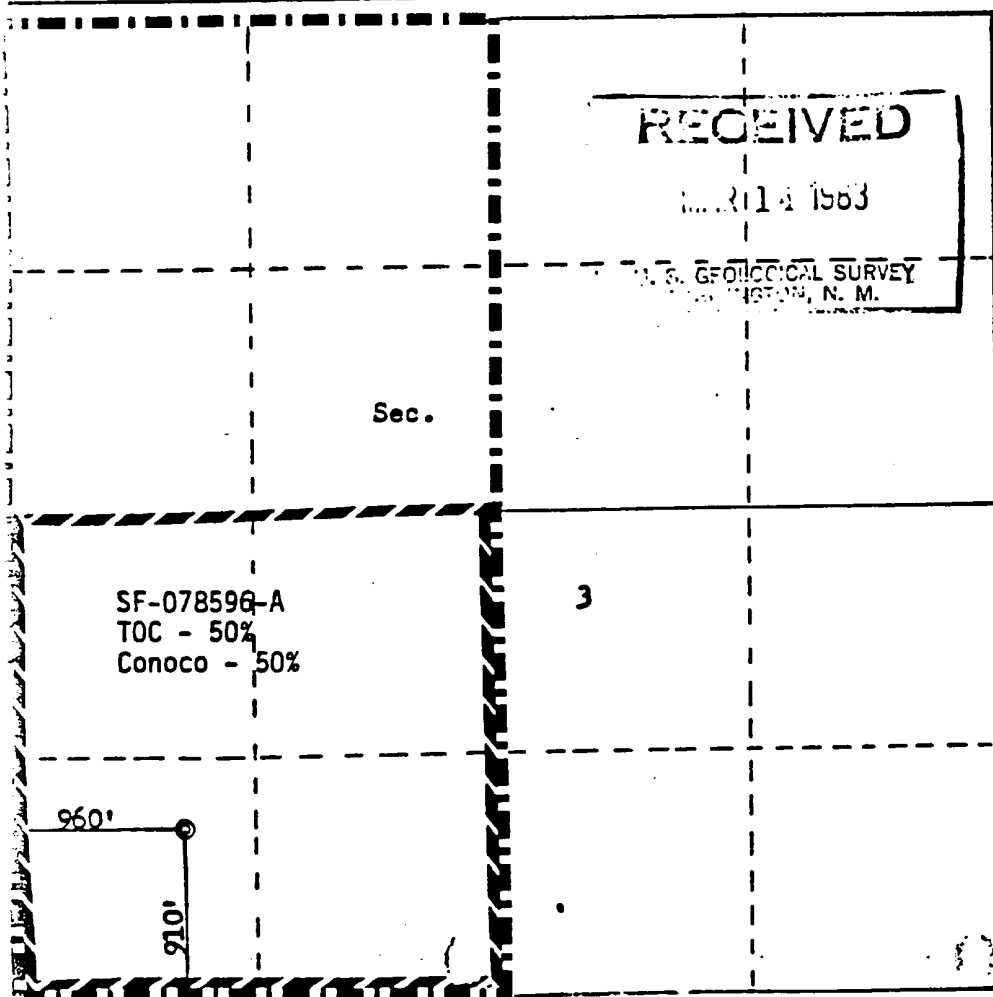
Operator TENNECO OIL COMPANY			Lease Florence		Well No. 123E
Unit Letter M	Section 3	Township 29N	Range 8W	County San Juan	
Actual Footage Location of Well:					
910 feet from the South line and		960 feet from the West line			
Ground Level Elev. 6307	Producing Formation Dakota/Pictured Cliffs	Pool Basin Dakota/Blanco Pict. Cliffs	Dedicated Acreage: 320/160 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



Scale: 1"=1000'

CERTIFICATION

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

Denise Wilson
Name

Denise Wilson

Position

Production Analyst

Company

Tenneco Oil Company

Date

March 9, 1983

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

September 30, 1982

Registered Professional Engineer and Land Surveyor

Fred B. Kert Jr.
Fred B. Kert Jr.

Certificate No. 4222

3950

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 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 and Natural Resources Department**OIL CONSERVATION DIVISION**2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 3004525564	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 000552	Property Name Florance T	Well Number 123E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6307

Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT M	03	29N	8W		910	SOUTH	960	WEST	San Juan

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

Dedicated Acreage: 324.6	Joint or Infill	Consolidation Code	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**

	OPERATOR CERTIFICATION	
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature	
	Printed Name	
	Pat Archuleta	
	Position	
	Staff Assistant	
	Date	
	05/06/1997	
SURVEY 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 knowledge and belief.		
11/15/1982		
Date of Survey		
Signature & Seal of Professional Surveyor		
Fred B. Kerr, Jr.		
Certificate No.		
3950		