

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

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 WELLBORE
☒ YES ☐ NO

Amoco Production Company

P.O. Box 800 Denver, CO 80201

Operator
Elliott Gas Com N

1

Address
I-33-30N-9W

San Juan

Lease

Well No.

Unit Ltr. - Sec Twp - Rge

County

OGRID NO. 000778 Property Code 000452 API NO. 3004508972

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 MESAVERDE 72319		BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	3974' - 4710' PROPOSED		6702' - 6826'
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) 500 PSI b. (Original) 1200 PSI	a. b.	a. 850 PSI b. 2300 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 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: EST Rates: 117 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:	4/12-5/12/97 117 MCFD 1 BCPD 1 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 50 % Gas 81 %	Oil: % Gas %	Oil: 50 % Gas 19 %

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?
If not, have all working, overriding, and royalty interests been notified by certified mail?
Have all offset operators been given written notice of the proposed downhole commingling?
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-078139 COM AGREEMENTS SW-262 DK SW-1056 MV
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 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
Elliott Gas Com N #1

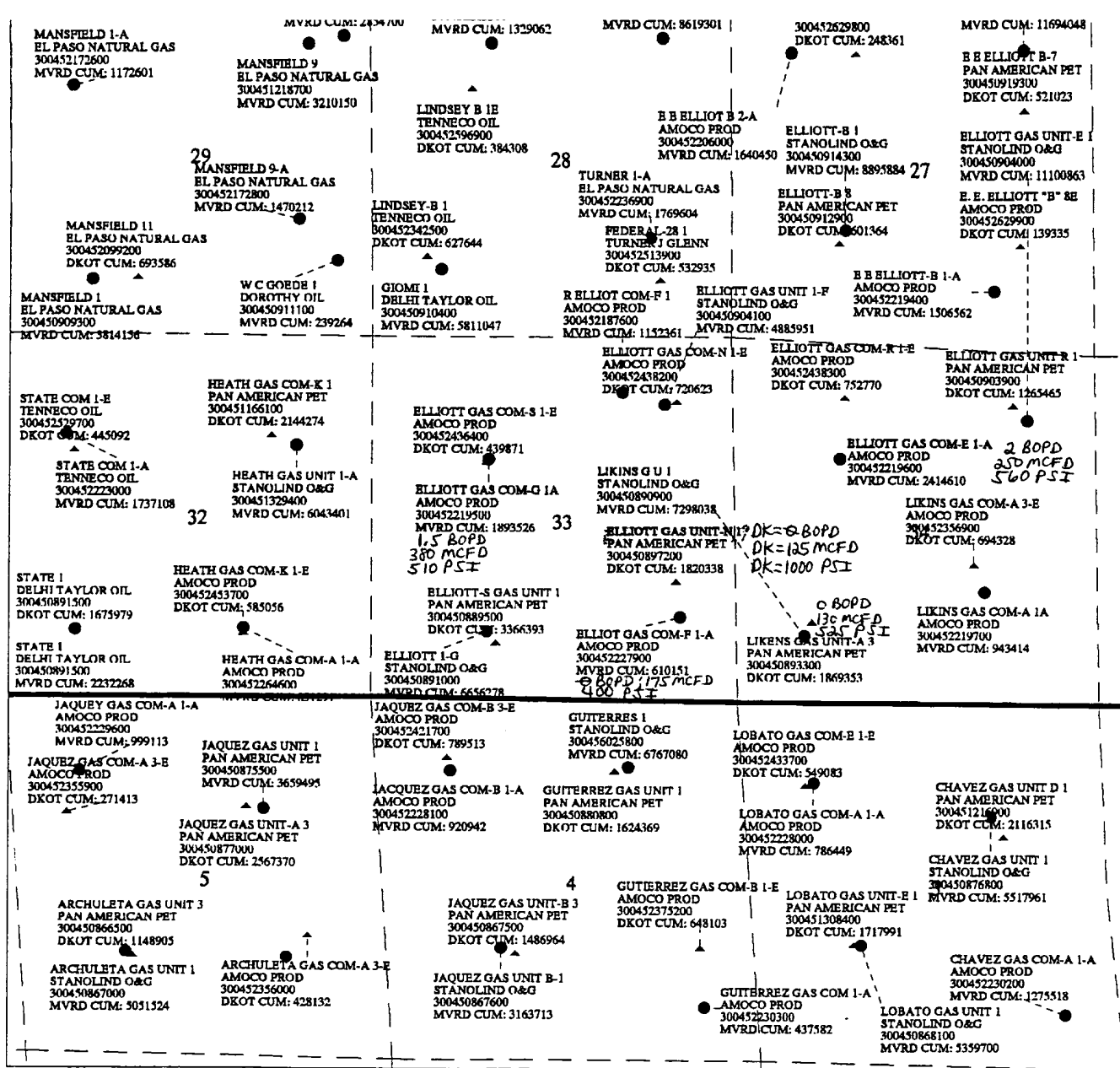
Burlington Resources Oil and Gas Co.
P.O. Box 4289
Farmington, NM 87499

Production Allocation Recommendation
Elliott Gas Com N #1

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	117 MCFD	19%
	MV	500 MCFD	81%

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



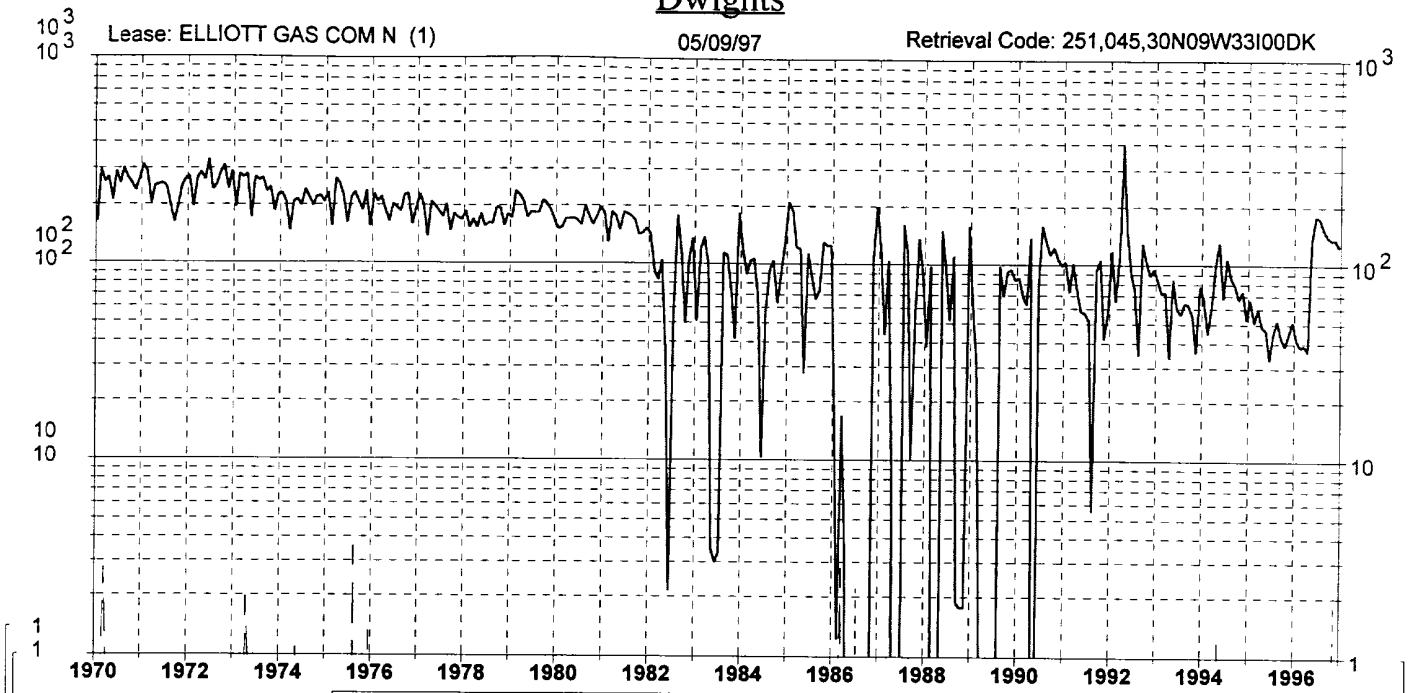
Avg. mv rate = 234 mcFD, 0.9 BOPD
Avg. mv pressure = 499 PSI

Dwights

Lease: ELLIOTT GAS COM N (1)

05/09/97

Retrieval Code: 251,045,30N09W33I00DK



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

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

F.P. Date: 06/65
Oil Cum: 2864 bbl
Gas Cum: 1923 mmcf
Location: 33I 30N 9W

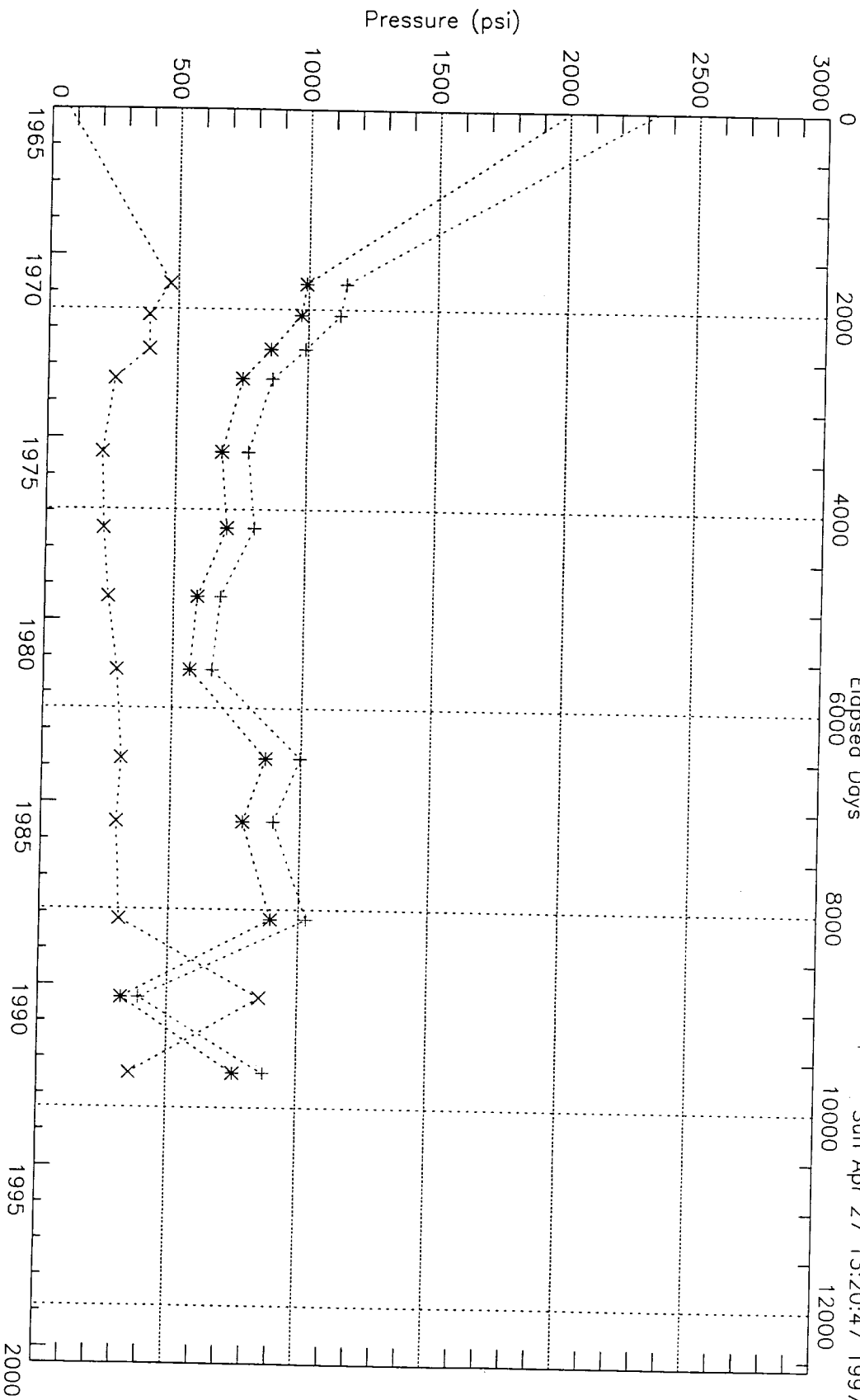
Oil (bbl/day)

User: zrar06
Owner: default

Single Well Gas3D

Elapsed Days

Sun Apr 27 13:20:47 1997



Well ID: 300450897200 602DKOT

Well Name: ELLIOTT GAS COM /N/ 001133

Operator: AMOCO PROD

Date (Years)

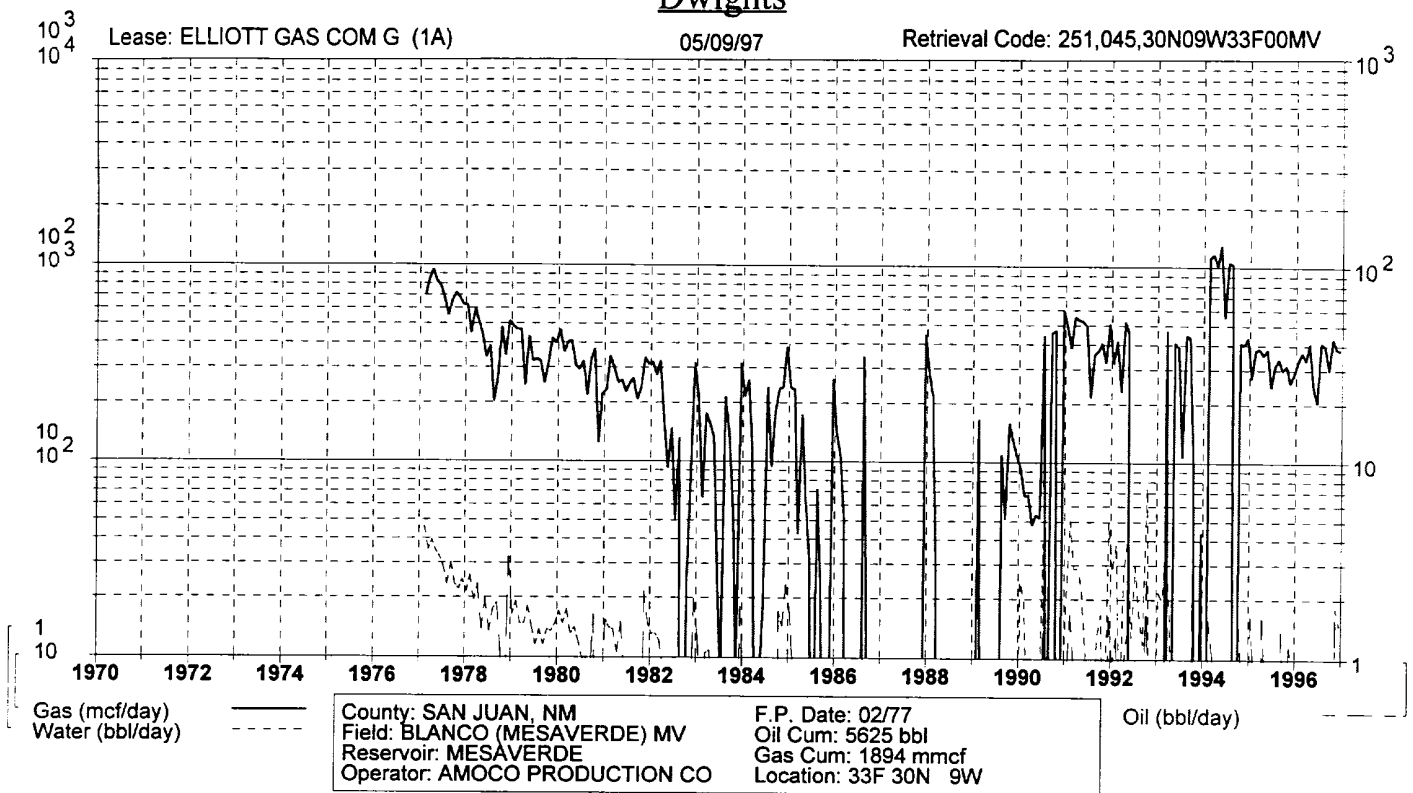
WH_SIP (*)
BHP (+)
WH_FTP (x)

DWIGHTS

Lease: ELLIOTT GAS COM G (1A)

05/09/97

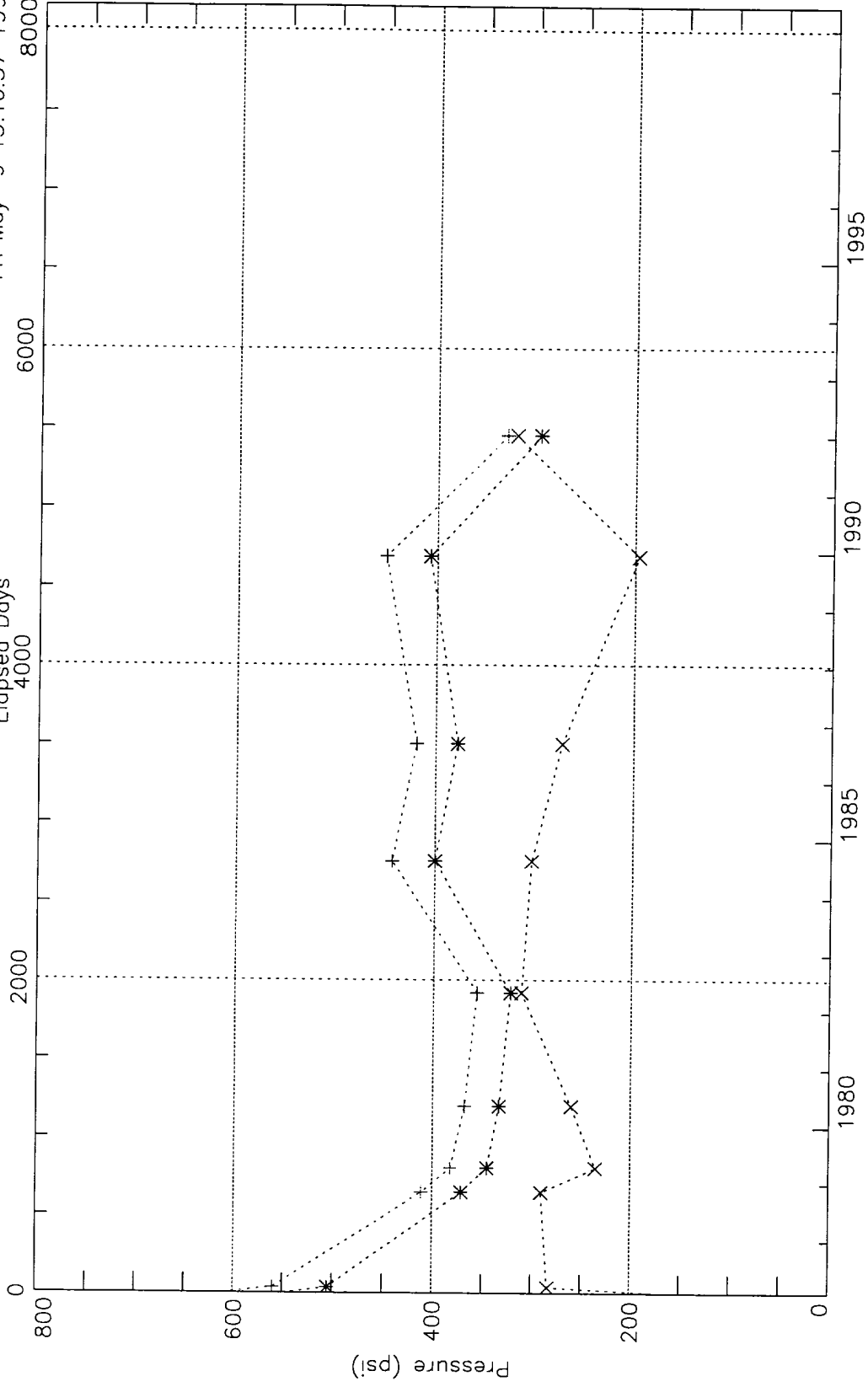
Retrieval Code: 251,045,30N09W33F00MV



User: zrar06
Owner: 2DMHF

Single Well Gas3D

Description 1
Fri May 9 15:16:57 1997



Well ID: 300452219500 604MVRD
Well Name: ELLIOTT GAS COM /G/ A001F33
Operator: AMOCO PRODUCTION COMPANY

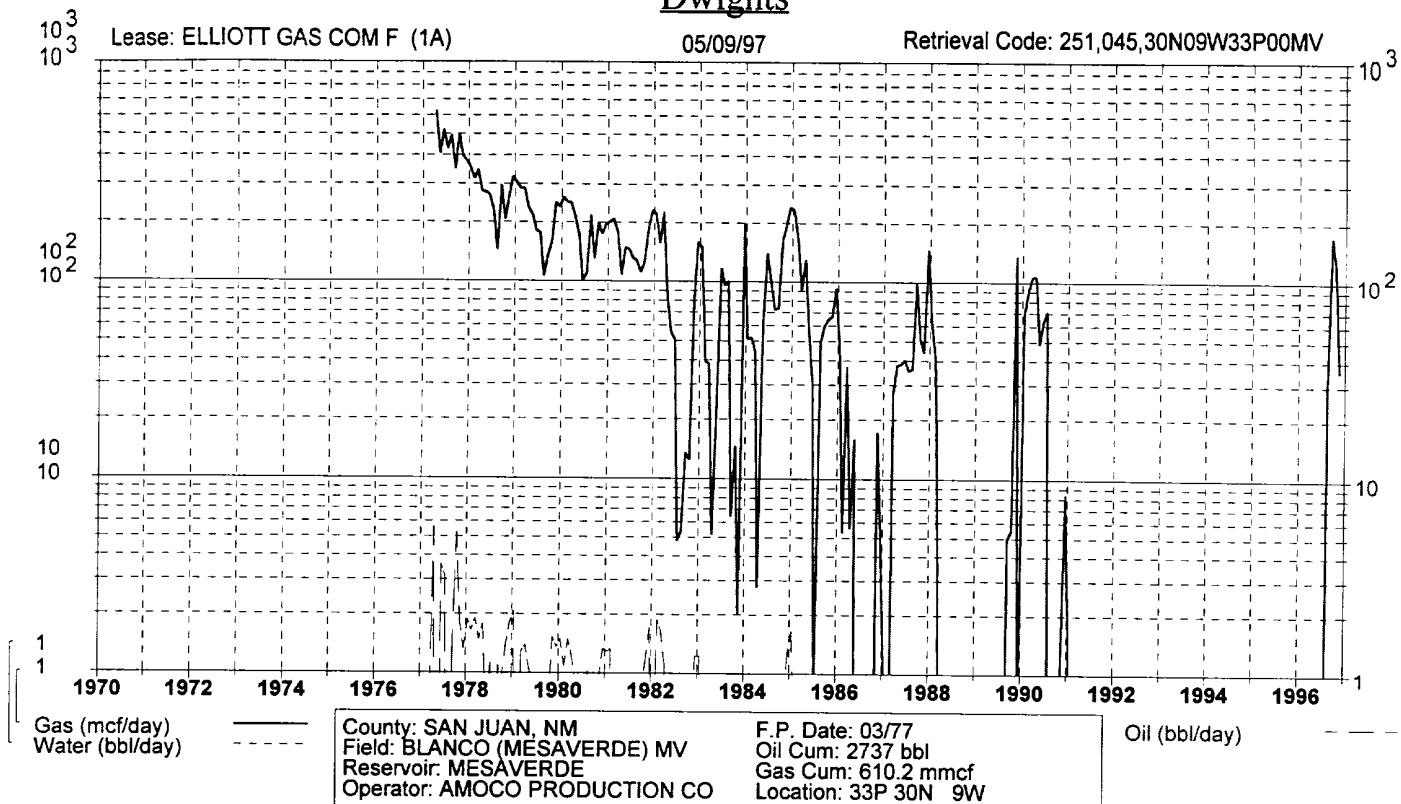
WH_SIP (*)
BHP (+)
WH_FTP (x)

Dwights

Lease: ELLIOTT GAS COM F (1A)

05/09/97

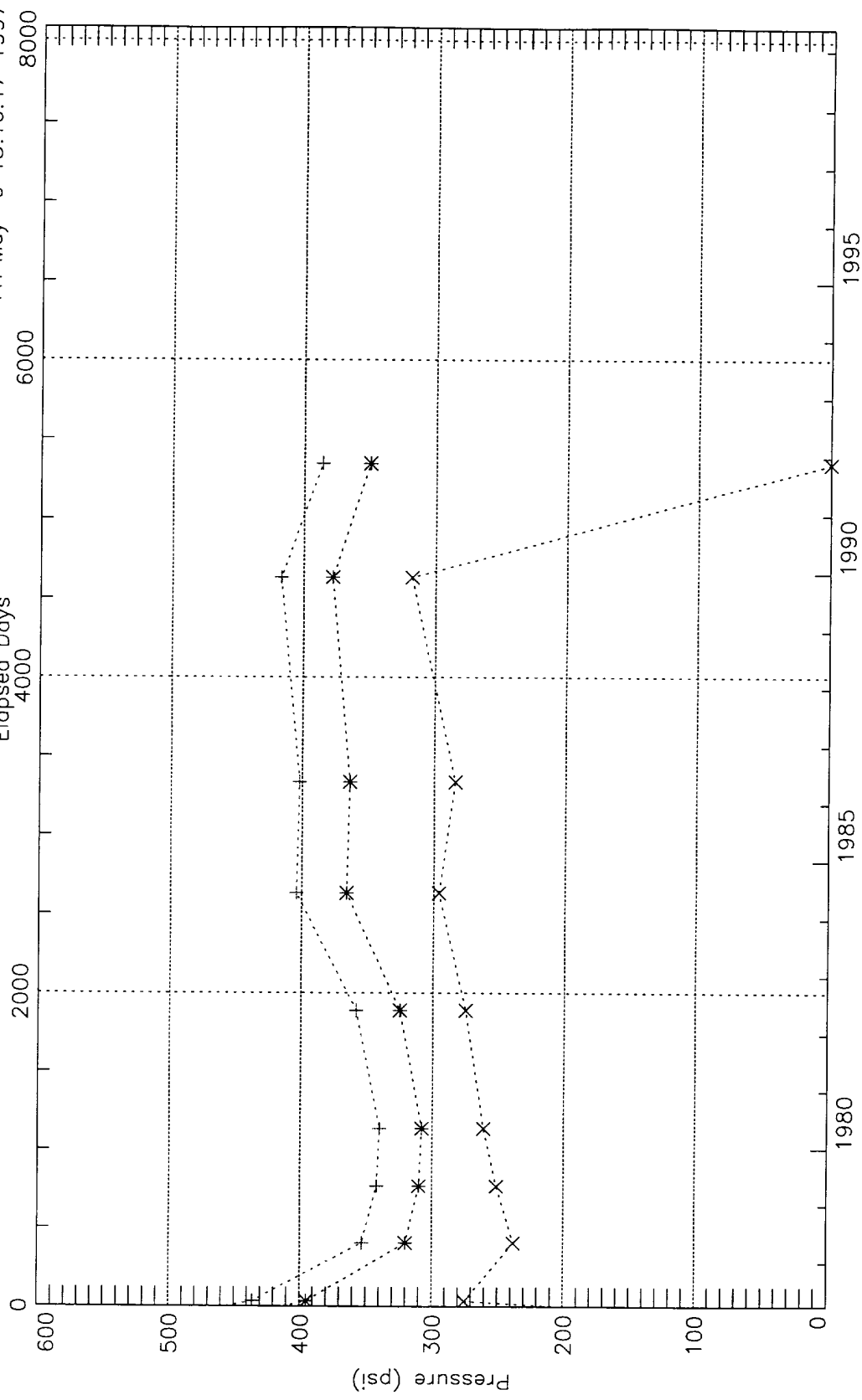
Retrieval Code: 251,045,30N09W33P00MV



User: zrar06
Owner: 2DMHF

Single Well Gas3D

Description 1
Fri May 9 15:16:47 1997



Date (Years)

Well ID: 300452227900 604MVRD
Well Name: ELLIOTT GAS COM /F/ A001P33
Operator: AMOCO PRODUCTION COMPANY

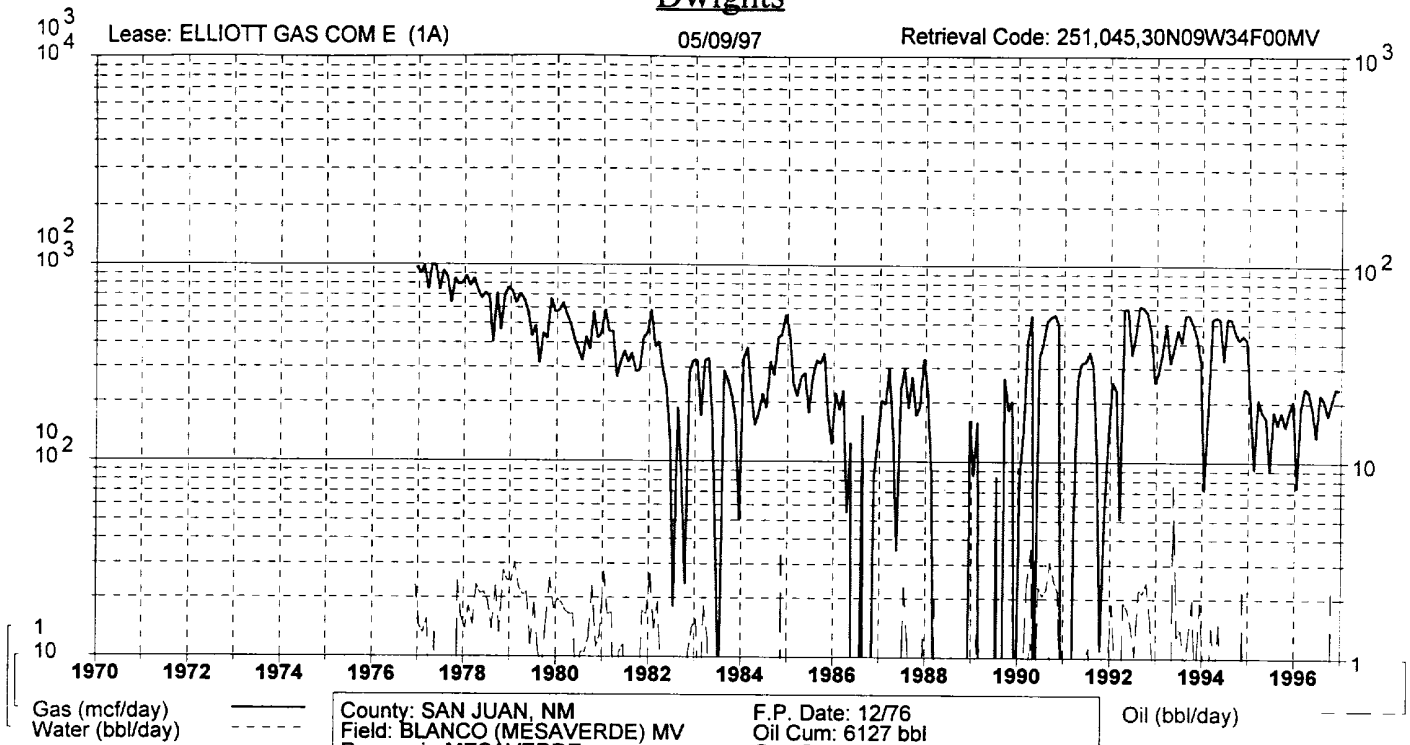
WH_SIP (*)
BHP (+)
WH_FTP (x)

Dwights

Lease: ELLIOTT GAS COM E (1A)

05/09/97

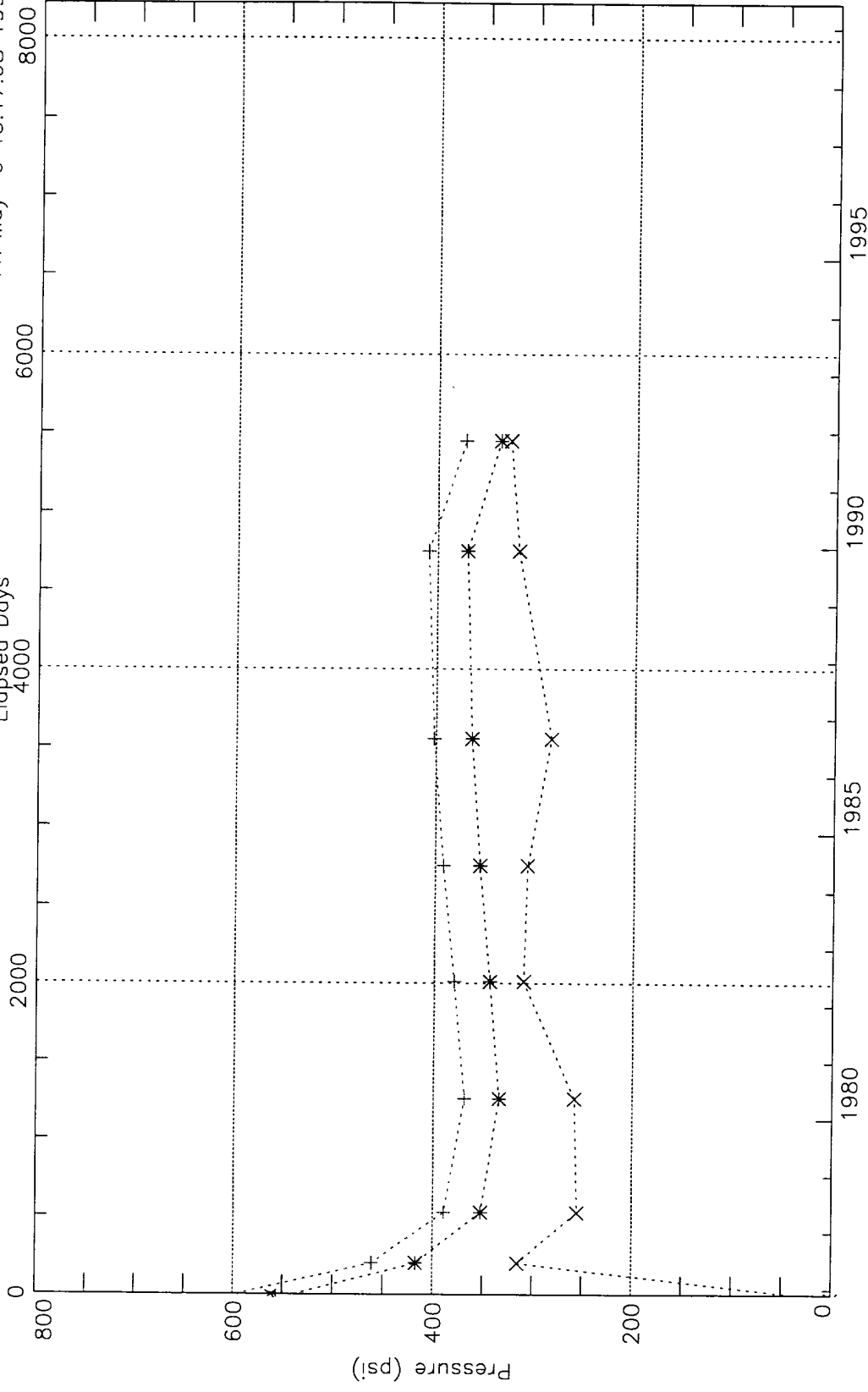
Retrieval Code: 251,045,30N09W34F00MV



User: zrar06
Owner: 2DMHF

Single Well Gas3D

Description 1
Fri May 9 15:17:08 1997



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

Date (Years)

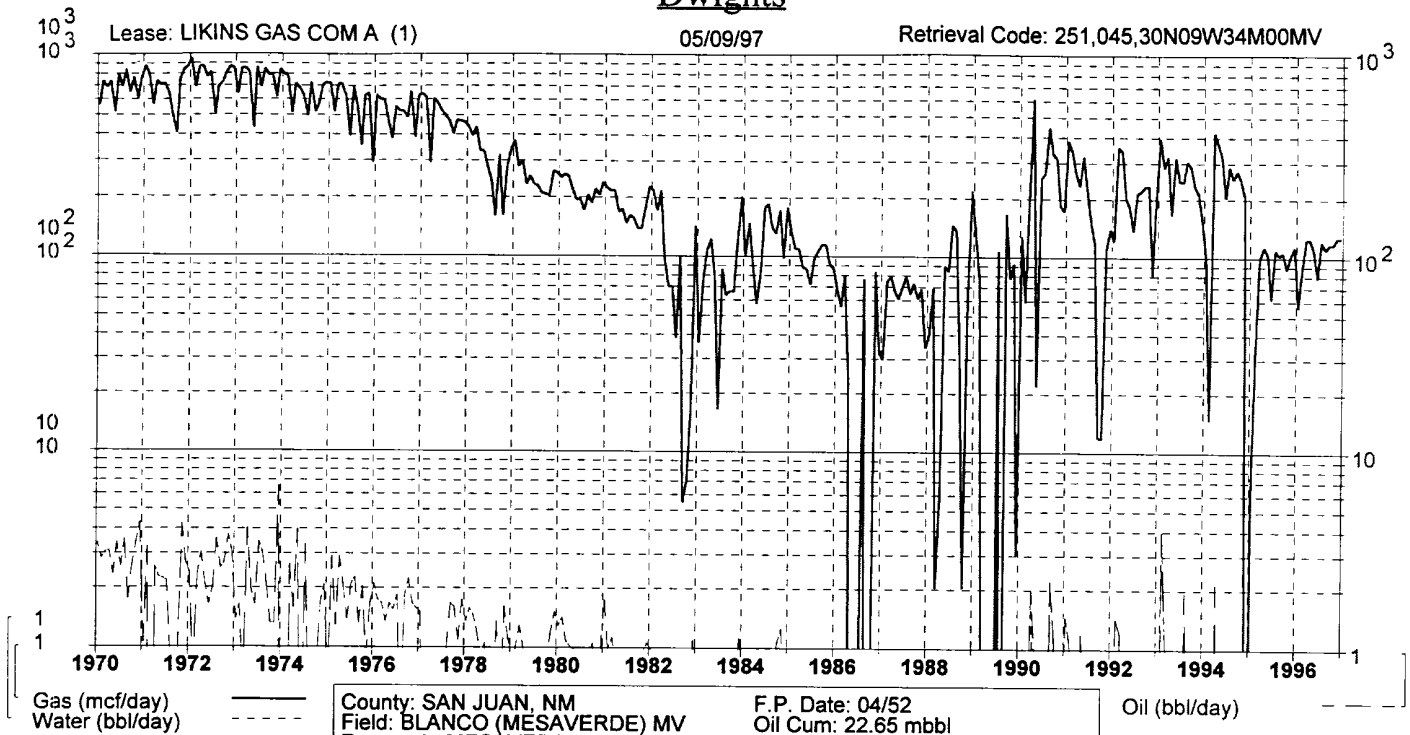
Well ID: 300452219600 604MVRD
Well Name: ELLIOTT GAS COM /E/ A001F34
Operator: AMOCO PRODUCTION COMPANY

Dwights

Lease: LIKINS GAS COM A (1)

05/09/97

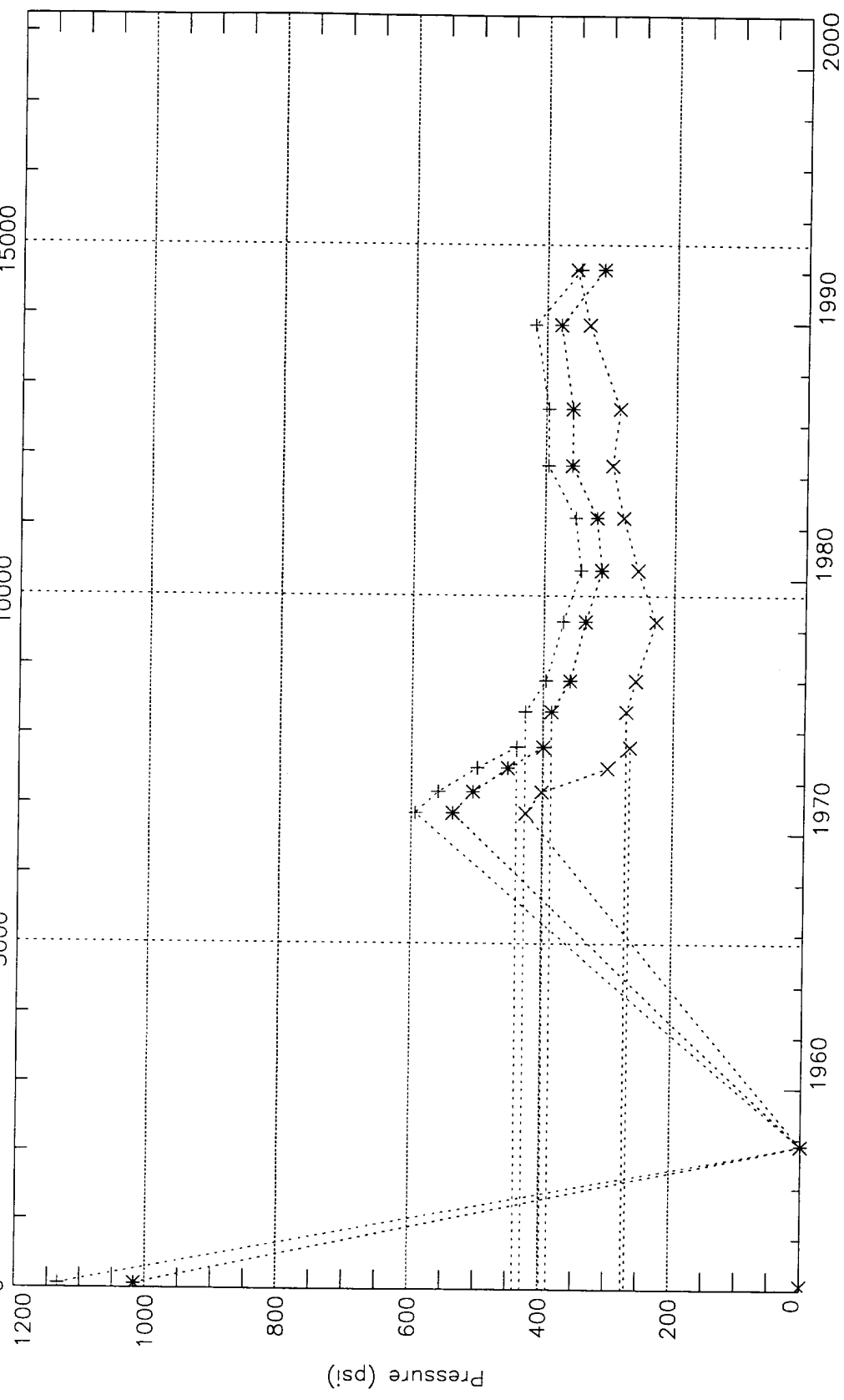
Retrieval Code: 251,045,30N09W34M00MV



User: zrar06
Owner: 2DMHF

Single Well Gas3D

Description 1
Fri May 9 15:16:36 1997



Date (Years)

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

Well ID: 300450890900 604MVRD
Well Name: LIKINS GAS COM /A/ 001M34
Operator: AMOCO PROD

Well Production Summary Report

Well: ELLIOTT GC N 001 - DK

Report Date: 5/12/97

Flac: 93514901

Foreman: EL PASO CONVENTIONAL

Meter: 75126

Pumper: GTRUNK O

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	123	134	0.0			204	30	46		4/13/97 07:39:00
Apr 13, 97 FLOWING	124	134	0.0			202	31	46		4/14/97 10:01:00
Apr 14, 97 FLOWING	121	134	0.0			203	29	48		4/15/97 06:44:00
Apr 15, 97 FLOWING	119	134	0.0			208	28	52		4/16/97 06:45:00
Apr 16, 97 FLOWING	124	134	0.0			203	31	53		4/18/97 17:53:00
Apr 17, 97 FLOWING	121	134	0.0			203	29	56		4/18/97 17:55:00
Apr 18, 97 FLOWING	120	134	0.0			203	29	55		4/19/97 17:53:00
Apr 19, 97 FLOWING	120	134	0.0			203	29	57		4/20/97 08:01:00
Apr 20, 97 FLOWING	120	134	0.0			203	29	57		4/21/97 10:52:00
Apr 21, 97 FLOWING	118	134	0.0			204	28	58		4/22/97 08:11:00
Apr 22, 97 FLOWING	115	134	0.0			209	26	57		4/23/97 07:37:00
Apr 23, 97 FLOWING	119	134	0.0			205	28	51		4/24/97 07:10:00
Apr 24, 97 FLOWING	120	134	0.0			202	29	48		4/25/97 08:46:00
Apr 25, 97 FLOWING	118	134	0.0			200	28	51		4/26/97 06:55:00
Apr 26, 97 FLOWING	116	134	0.0			203	27	54		4/27/97 08:01:00
Apr 27, 97 FLOWING	112	134	0.0			212	25	56		4/28/97 09:24:00
Apr 28, 97 FLOWING	115	134	0.0			208	26	59		4/29/97 06:58:00
Apr 29, 97 FLOWING	118	134	0.0			202	29	56		4/30/97 07:02:00
Apr 30, 97 FLOWING	117	134	0.0			199	28	57		5/1/97 08:46:00
May 01, 97 FLOWING	113	134	0.0			204	26	53		5/2/97 18:03:00
May 02, 97 FLOWING	117	134	0.0			200	28	53		5/3/97 06:58:00
May 03, 97 FLOWING	108	134	0.0			203	26	56		5/4/97 08:05:00
May 04, 97 FLOWING	111	134	0.0			209	25	61		5/5/97 07:01:00
May 05, 97 FLOWING	118	134	0.0			205	28	62		5/7/97 18:08:00
May 06, 97 FLOWING	113	134	0.0			203	27	66		5/7/97 18:10:00
May 07, 97 FLOWING	114	134	0.0			203	27	64		5/8/97 07:01:00
May 08, 97 FLOWING	114	134	0.0			199	27	64		5/9/97 08:01:00
May 09, 97 FLOWING	111	134	0.0			201	26	63		5/11/97 08:11:00
May 10, 97 FLOWING	112	134	0.0			200	26	63		5/12/97 07:12:00
May 11, 97 FLOWING	111	134	0.0			201	26	66		5/12/97 07:14:00
Total:	3,502	4,020	0.0			203	28	56	0	

Well Location and Acreage Dedication Plat

Section A.

Date February 2, 1965

Operator PAN AMERICAN PETROLEUM CORPORATION Lease ELLIOTT GAS UNIT "N"
 Well No. 1 Unit Letter I Section 33 Township 30 NORTH Range 9 WEST NMPM
 Located 1750 Feet From the SOUTH Line, 870 Feet From the EAST Line
 County SAN JUAN G. L. Elevation REPORT LATER Dedicated Acreage 320 Acres
 Name of Producing Formation DAKOTA Pool BASIN DAKOTA

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?

Yes _____ No X

2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes X No _____ If answer is "yes", Type of Consolidation, Communitization

Operating Agreements being prepared. Pan American has all acreage except 2 1/2 acres belonging to W. Wilkinson, 923 Willow, Duncan, Okla., who has agreed to join in the drilling of the well.

3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

PAN AMERICAN PETROLEUM CORP.

F. H. Hollingsworth (Operator)

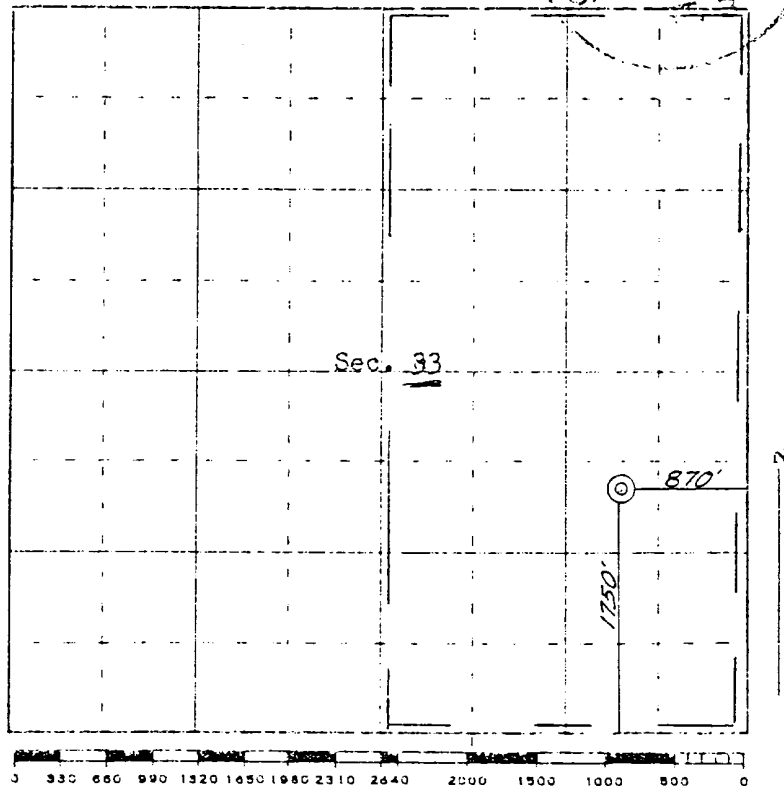
F. H. Hollingsworth
(Representative)

P. O. Box 480

(Address)

Farmington, New Mexico

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile

Ref: GLO plat dated 2 July 1952



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed February 2, 1965

Farmington, New Mexico

James P. Leese
 Registered Professional Engineer and Land Surveyor
 James P. Leese, N. Mex. Reg. No. 1463
 San Juan Engineering Company

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 3004508972	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 000452	Property Name Elliott Gas Com N	Well Number 1
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5706

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 I	33	30N	9W		1750	SOUTH	870	EAST	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: 320	Joint or Infill	Consolidation Code	Order No.
---------------------------	-----------------	--------------------	-----------

**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 <i>Pat Archuleta</i>	
	Printed Name Pat Archuleta	
	Position Staff Assistant	
	Date 5-6-97	
	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.	
	Date of Survey 02/02/1965	
	Signature & Seal of Professional Surveyor James P. Leese	
Certificate No. 1463		