

Ernie Busch

From: Ernie Busch
Sent: Friday, November 22, 1996 10:15 AM
To: Ben Stone
Subject: AMOCO BOLACK B LS #3 (DHC)
Importance: High

BOLACK B LS #3
N-33-28N-08W
RECOMMEND: APPROVAL

2 Operator: SANTA FE ENERGY RESOURCES INC	3 UGRIU: 020305	4 Month/Year 09/96	6 Page 3 of 29
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		INJECTION			PRODUCTION				DISPOSITION OF OIL, GAS, AND WATER							
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
POOL NO. AND NAME Property NO. and Name Well No. & U-L-S-T-R API No.	C O D E 1	Volume	Pressure	C O D E 2	Barrels of oil/conden- sate produced	Barrels of water produced	MCF Gas Produced	Days Prod- uced	C O D E 3	Point of Disposition	Gas BTU or Oil API Gravity	Oil on hand at beginning of month	Volume (Bbls/mcf)	Transporter OGRID	C O D E 4	Oil on hand at end of month
016618 KACHINA FED 5 #1 BATTERY (Continued)																
003 K-05-18S-33E 30-025-31517	P				1076	136	3853	30								
004 G-05-18S-33E 30-025-31690	P				269	25	253	30								
005 M-05-18S-33E 30-025-32038	P				662	60	4652	30		2245710 2245710 2245730 2245750	40.1 1420	259	2649 10396 390 5010	022628 005097	U	501
016619 KACHINA 8 FED #2																
002 E-08-18S-33E 30-025-31371	P				710	108	2384	30		2814149 2814149 2814150 2814151	40.5 1502	453	872 2184 200 130	022628 005097	U	291
016620 KACHINA FED 8 #1 BATTERY																
001 C-08-18S-33E 30-025-30986	P				802	178	4409	30								
003 G-08-18S-33E 30-025-31802	P				714	479	2756	30		2250310 2250310 2250330 2250350	40.6 1481	784	1741 6765 400 517	022628 005097	U	559



October 22, 1996

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P. O. Box 6429
Santa Fe, NM 87505

Southern

Rockies

Business

Unit

Application for Exception to Rule 303-A- Downhole Commingling
Bolack B LS #3 Well
Unit N Section 33-T28N-R8W
South Blanco Pictured Cliffs and Blanco Mesaverde Pools
San Juan County, New Mexico

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Should there be questions concerning this matter, please contact me at (303) 830-5344.

Sincerely,

Pamela W. Staley

Enclosures

cc: Mark Rothenberg
Pat Archuleta
Wellfile
Proration File
Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

Duane Spencer
Bureau of Land Management
1235 La Plata Hwy.
Farmington, NM 87401

RECEIVED
OCT 28 1996

OIL CON. DIV.
DIST. 3

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:

X Administrative ___ Hearing

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
X YES ___ NO

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator		Address	
BOLACK B LS	3	N-33-28N-8W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

OGRID NO. 000778 Property Code 000326 API NO. 3004506946 Spacing Unit Lease Types: (check 1 or more)
Federal x 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	SOUTH BLANCO PICTURED CLIFFS 72439		BLANCO MESAVERDE 72319
2. Top and Bottom of Pay Section (Perforations)	2176' - 2207'		3605' - 4596'
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) 300 PSI	a.	a. 450 PSI
	b. (Original) 925 PSI	b.	b. 1200 PSI
6. Oil Gravity (" API) or Gas BTU Content	1121 BTU		1299 BTU / 49 DEG API
7. Producing or Shut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no) • 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 • If Producing, give date and oil/gas/water rates of recent test	YES		YES
	Date: Rates:	Date: Rates:	Date: Rates:
	8/1/96 - 8/31/96 36 MCFD 0.5 BCPD	Date: Rates:	8/1-31/96 68 MCFD 0.5 BCPD

Well Location and Acreage Dedication Plat

Section A.

Date MARCH 21, 1958

Operator EL PASO NATURAL GAS COMPANY Lease BOLACK NM 012202
 Well No. 3-B(PM) Unit Letter N Section 33 Township 28-N Range 8-W NMPM
 Located 790 Feet From SOUTH Line 2200 Feet From WEST Line
 County SAN JUAN G. L. Elevation 5905 Dedicated Acreage 295.36 & 147.18 Acres
 Name of Producing Formation MESA VERDE & PICTURED CLIFF Pool BLANCO MV & SO. BLANCO PC EXT.

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes X No
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

RECEIVED
 MAR 26 1958
 U. S. GEOLOGICAL SURVEY
 FARMINGTON, NEW MEXICO

Section B.

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

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

El Paso Natural Gas Company
 (Operator)

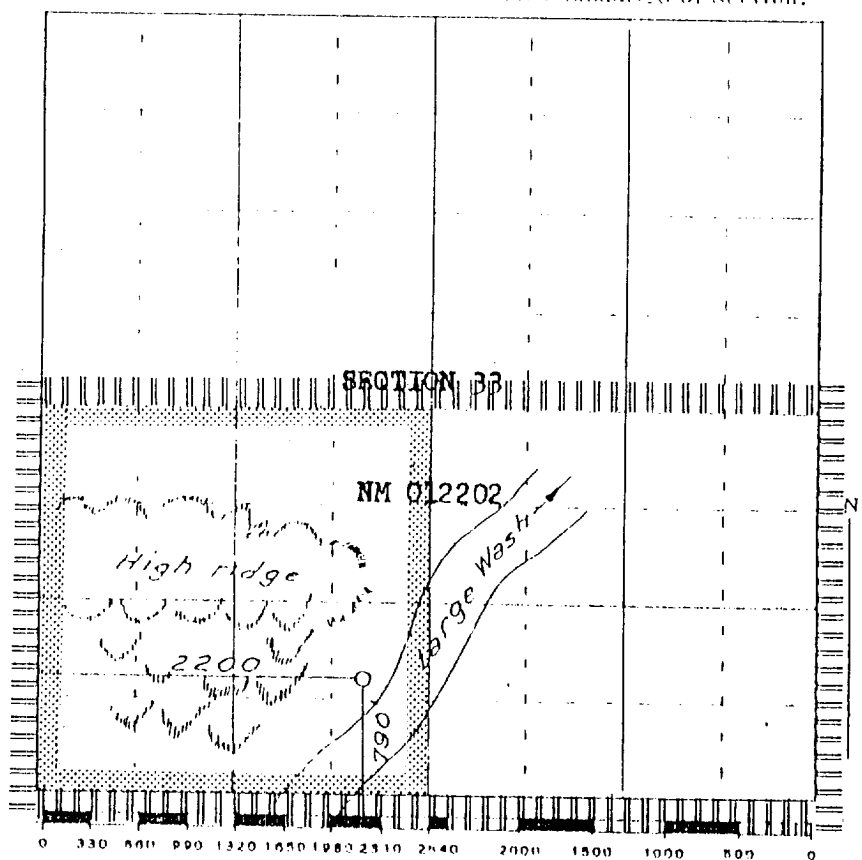
Original Signed D. C. Johnson
 (Representative)

Box 997

(Address)

Farmington, New Mexico

**NOTE: THIS PLAT IS RE-ISSUED TO
 SHOW CORRECT MESA VERDE
 DEDICATION. 3 21 58**



Scale 4 inches equal 1 mile

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.

(Seal)

Farmington, New Mexico

Date Surveyed MARCH 14, 1957

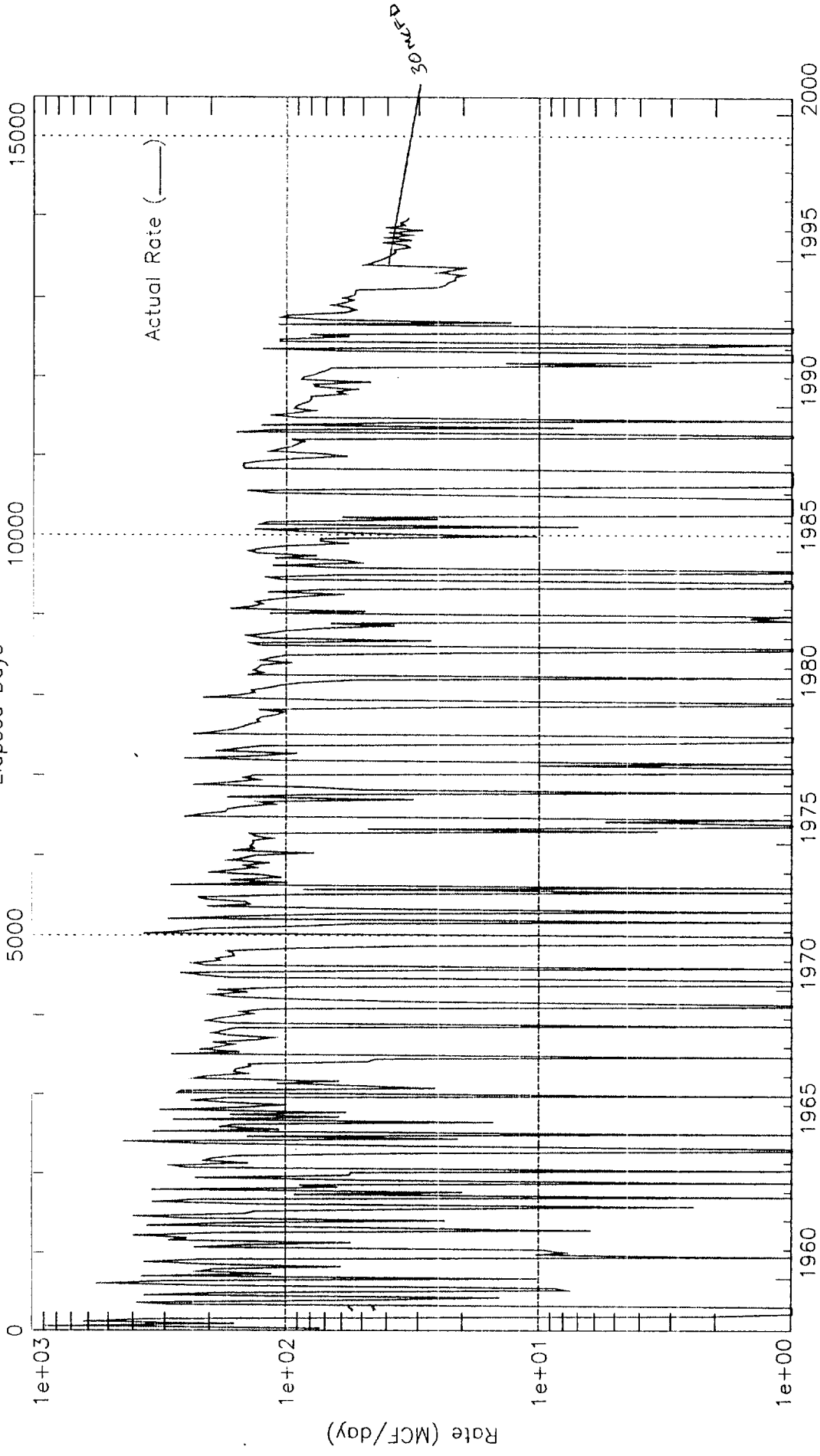
E. O. Walker
 Registered Professional Engineer and/or Land Surveyor

User: zmdr16
Owner: 2DMHF

Single Well Gas3D

Description 1
Wed Sep 18 15:18:30 1996

Elapsed Days



Cum Gas= 1446.60 MMCF

Date (Years)

Well ID: 300450694600 604PCCF

Well Name: BOLACK B LS 2,3,5,6,7 /PC/ 003N33

Operator: EL PASO NATURAL GAS

User: zmdr16
Owner: 2DMHF

Single Well Gas3D

Description 1
Wed Sep 18 15:18:35 1996

Elapsed Days

1000 800 600 400 200 0

15000

10000

5000

0

Pressure (psi)

#300

1960 1965 1970 1975 1980 1985 1990 1995 2000

Date (Years)

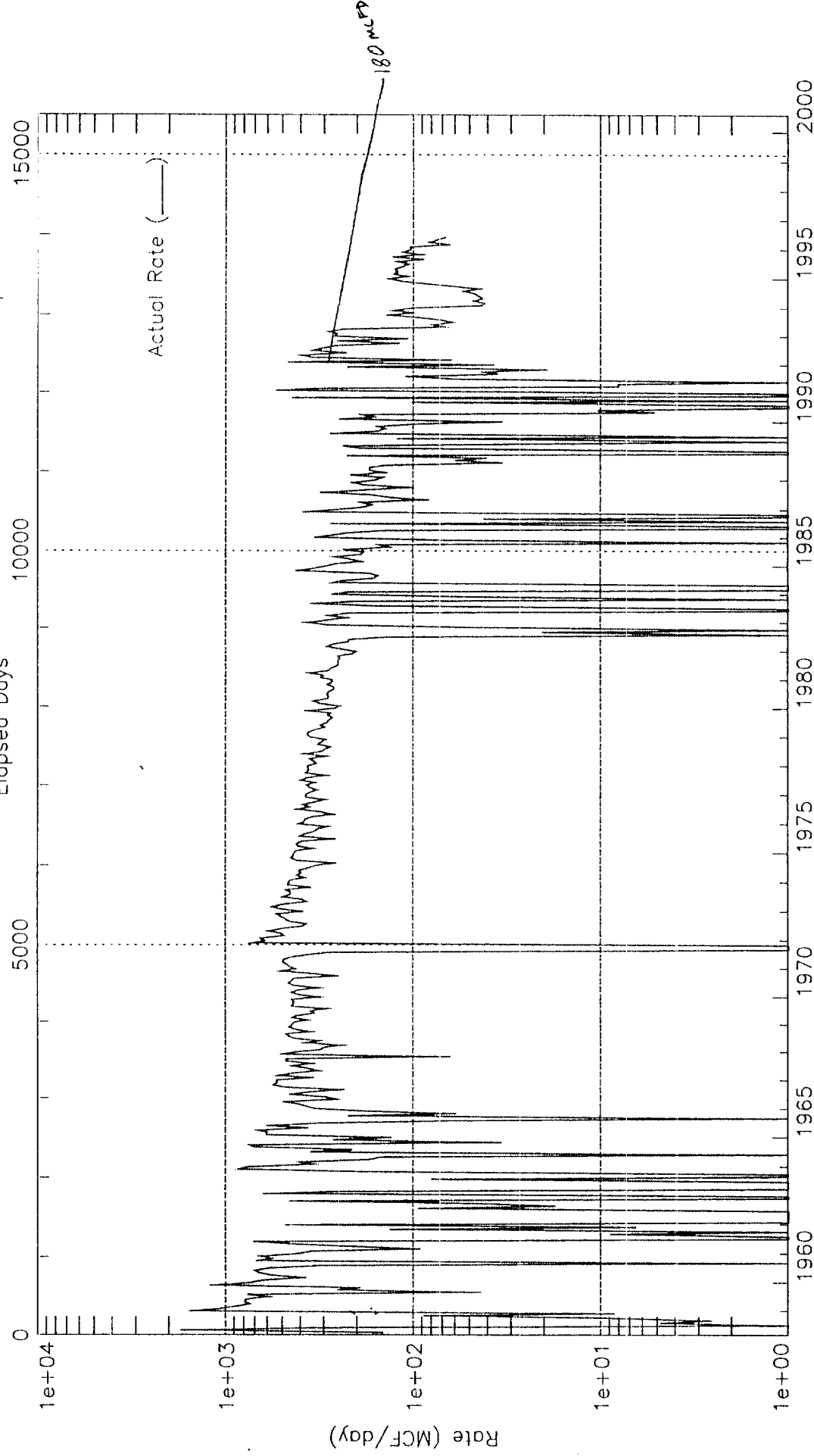
WH_SIP (*)
BHP (+)
WH_FTP (x)

Well ID: 300450694600 604PCCF
Well Name: BOLACK B LS 2,3,5,6,7 /PC/ 003N33
Operator: EL PASO NATURAL GAS

User: zmdr16
Owner: 2DMHF

Single Well Gas3D

Description 1
Wed Sep 18 15:19:05 1996



Cum Gas= 3893.70 MMCF

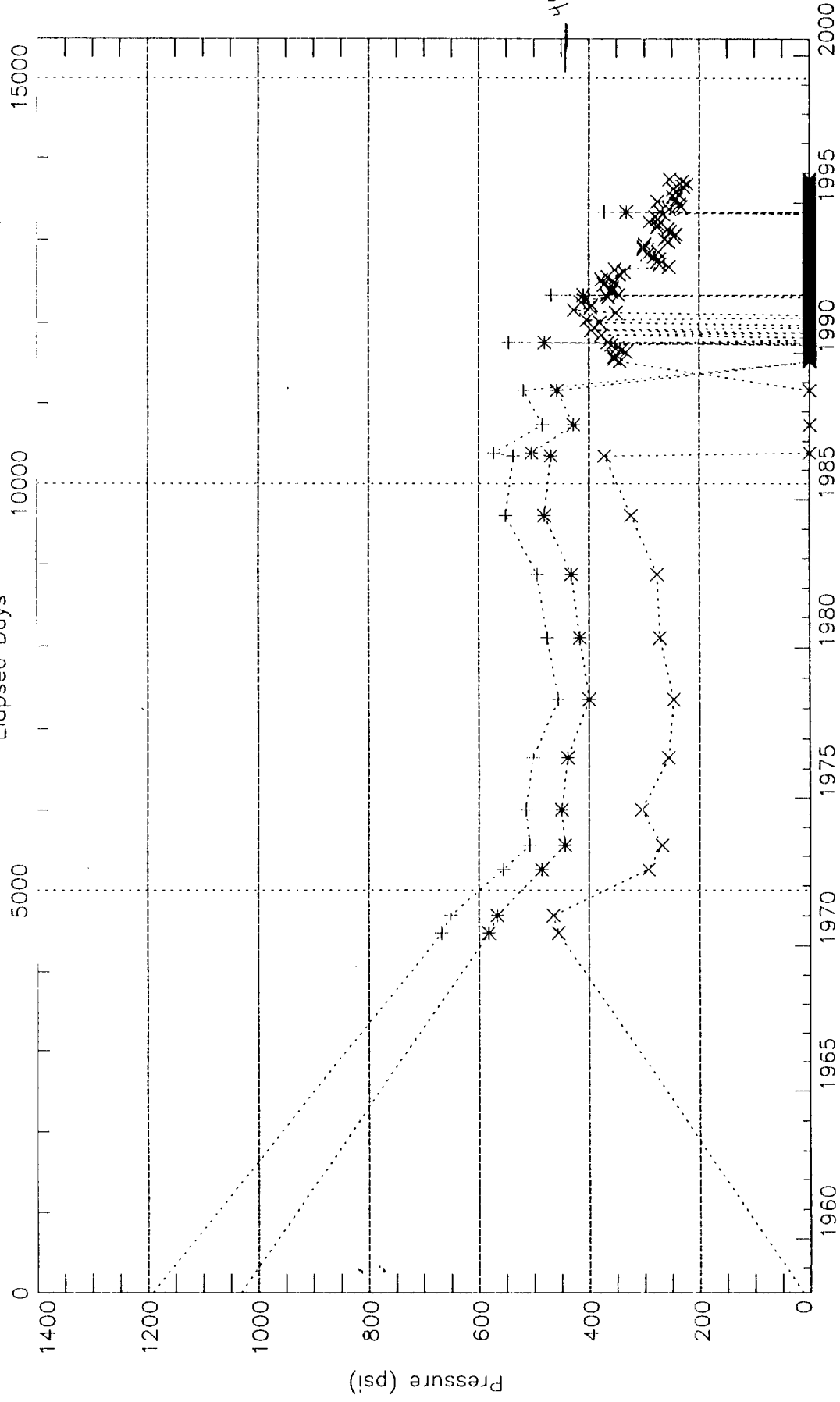
Date (Years)

Well ID: 300450694600 604MVRD
Well Name: BOLACK B LS 1,1A,3,4 /MV/ 003N33
Operator: EL PASO NATURAL GAS

User: zmdr16
Owner: 2DMHF

Single Well Gas3D

Description 1
Wed Sep 18 15:19:08 1996



Date (Years)

Well ID: 300450694600 604MVRD
Well Name: BOLACK B LS 1,1A,3,4 /MV/ 003N33
Operator: EL PASO NATURAL GAS

OFFSET OPERATORS
Bolack B LS #3

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

R & G Drilling Co.
c/o KM Production Co
P.O. Box 2406
Farmington, NM 87499

Great Lakes Chemical Corporation
P.O. Box 2200
W. Lafayette, IN 47906

Conoco, Inc.
10 Desta Drive West
Midland, Texas 79705

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

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Operator		Address	
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Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County
Spacing Unit Lease Types: (check 1 or more)			
OGRID NO. 000778	Property Code 000326	API NO. 3004506946	Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
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6. Oil Gravity (* API) or Gas BTU Content	1121 BTU		1299 BTU / 49 DEG API
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Production Marginal? (yes or no)	YES		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: Rates: 8/1/96 - 831/96 36 MCFD 0 BCPD 0 BCPD	Date: Rates: Date: Rates:	Date: Rates: 8/1-31/96 68 MCFD 0.5 BCPD 0.5 BCPD
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)		Date: Rates:	
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas 35 %	Oil: % Gas %	Oil: 100 % Gas 65 %

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 NM-012202
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 10/22/96

TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. (303) 830-5344