

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 WELLBORE
☒ YES ☐ NO

Amoco Production Company		PO Box 800 Denver, CO 80201	
Operator ATLANTIC B LS	#2A	Address D-04-30N-10W	San Juan
Lease	Well No.	Unit Ltr - Sec Twp - Rge	County

SPACING UNIT LEASE TYPES: (check 1 or more)
OGRID NO. 000778 Property Code 000282 API NO. 300452298800 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 Pictured Cliffs 72359		Blanco Mesa Verde 72319
2. Top and Bottom of Pay Section (Perforations)	3022-3128'		4570-5580'
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) 429 psi b. (Original) 1053 psi		a. 596 psi b. 1082 psi
6. Oil Gravity (* API) or Gas BTU Content	1161 btu		1197 btu
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		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	Date: Rates:	Date: Rates:	Date: Rates:
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 10/27/97 Rates: 48 mcf/d 0 bopd	Date: Rates:	Date: 10/27/97 Rates: 142 mcf/d <1 bopd
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas: 25 %	Oil: % Gas: %	Oil: 100 % Gas: 75 %

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-080917

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 10/31/97
TYPE OR PRINT NAME Pamela W. Staley TELEPHONE NO. (303) 830-5344

UNIFORM OIL CONSERVATION COMMISSION
WELL LOCATION AND ACCESSION DEDICATION

Form O-102
Superseded by O-128
Effective 1-4-65

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

Owner El Paso Natural Gas Company			Lease Atlantic B (SF-080917)		Well No. 2A
Section D	Township 11	Range 30N	County San Juan		
Actual Section Location of Well: 1010 feet from the North line and 990 feet from the West line					
Ground Level Elev. 6331	Underlying Formation Mesa Verde - P. C.	Pool Blanco Pictured Cliffs Blanco Mesa Verde	Dedicated Acres: 159.59 319.29 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. NOTE: THIS PLAT IS REISSUED TO SHOW DUAL COMPLETION. 5-21-79

		CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>A. G. Luce</i> Name _____ Drilling Clerk Position _____ El Paso Natural Gas Co Company _____ May 25, 1979 Date _____
LEGEND GAS WELL MV - MESAVEVERDE		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 _____ August 2, 1973 Registered Professional Engineer and/or Land Surveyor <i>Robert B. Kett Jr.</i> Certified to Do _____

LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-1-65

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

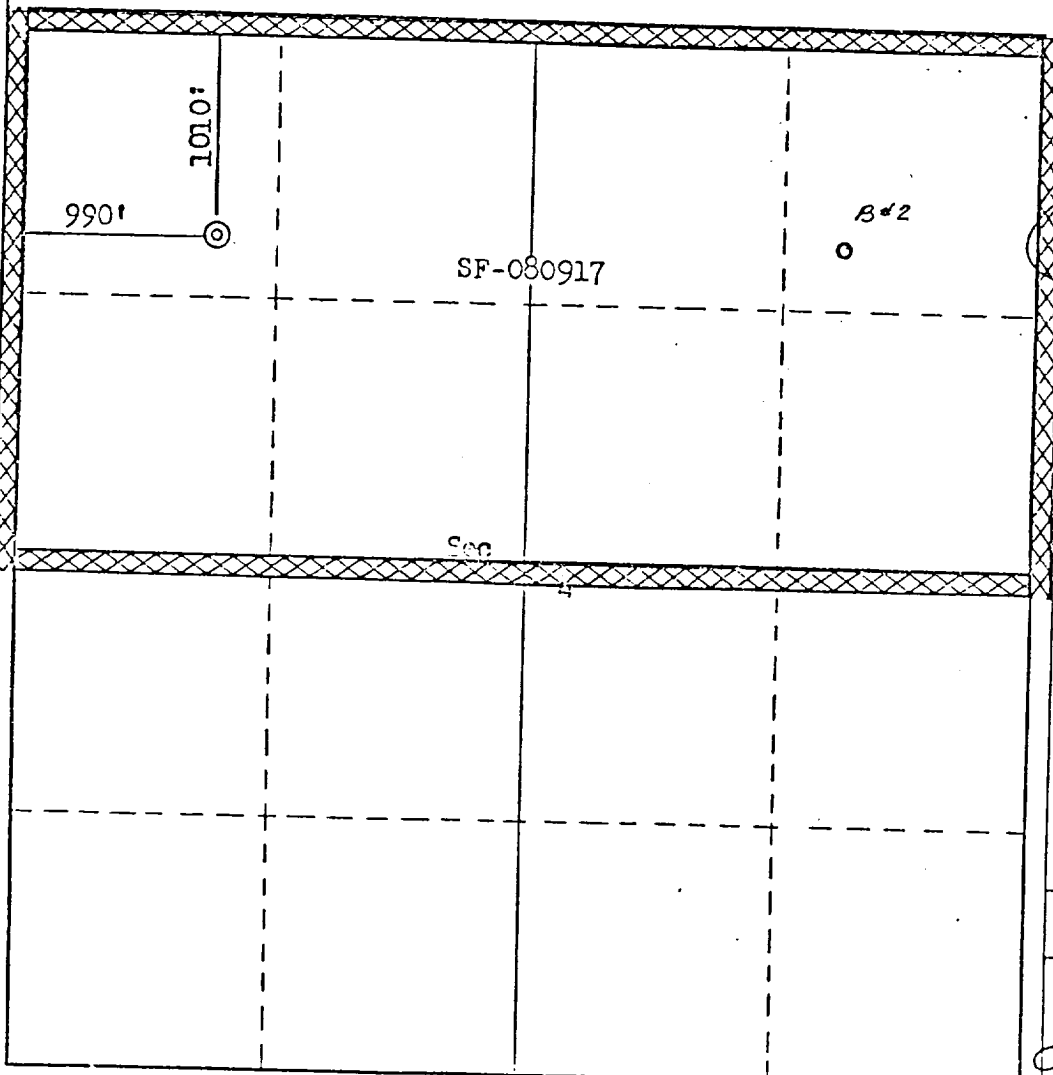
Operator El Paso Natural Gas Company			Lease Atlantic B (SF-080917)		Well No. 2A
Unit Letter D	Section 4	Township 30N	Range 10W	County San Juan	
Actual Footage Location of Well: 1010 feet from the North line and 990 feet from the West line					
Ground Level Elev. 6331	Producing Formation Mesa Verde		Pool Blanco Mesa Verde		Dedicated Acreage: 319.29 Acres

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.

Henry Stadfield
Name
Drilling Clerk

Position
El Paso Natural Gas Co.

Company
April 7, 1978

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

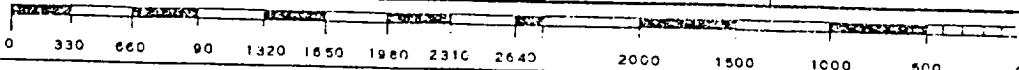
August 2, 1973

Registered Professional Engineer
and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950

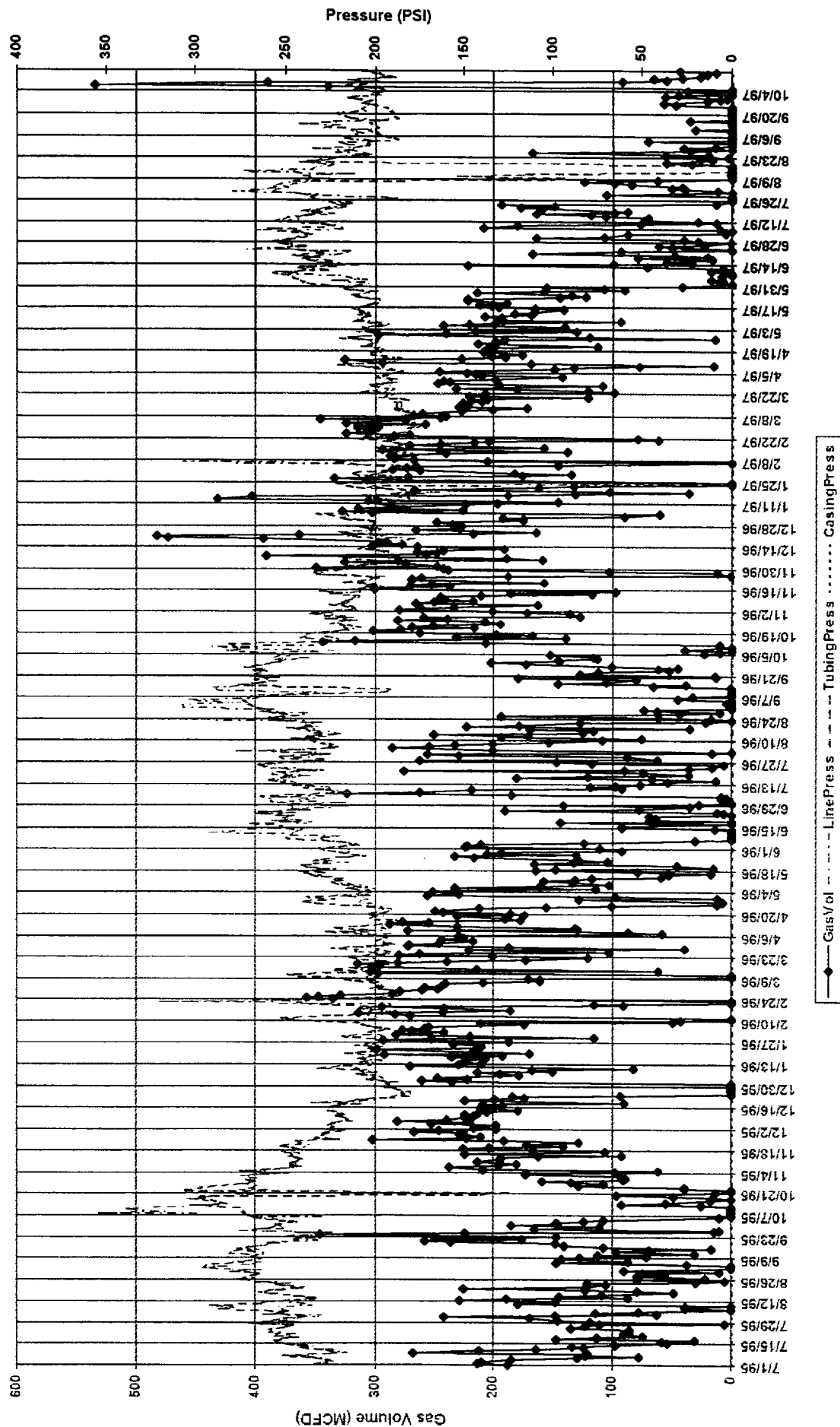


Wellname: ATLANTIC B LS 002A-MV

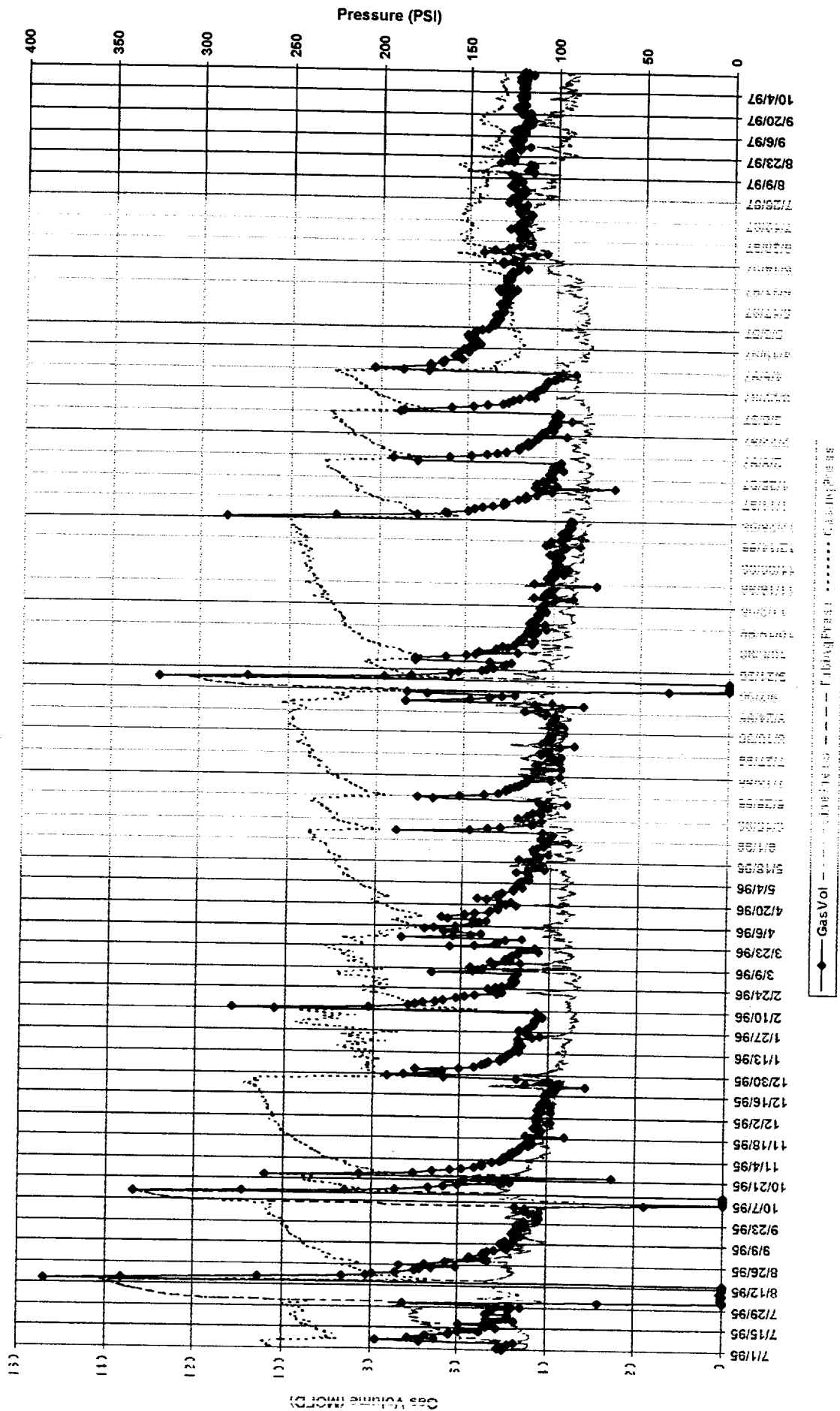
Flacwell: 979444302 API: 300452298800

Amoco - OIDB/Synergy Data

Daily Well Production



Expected Production



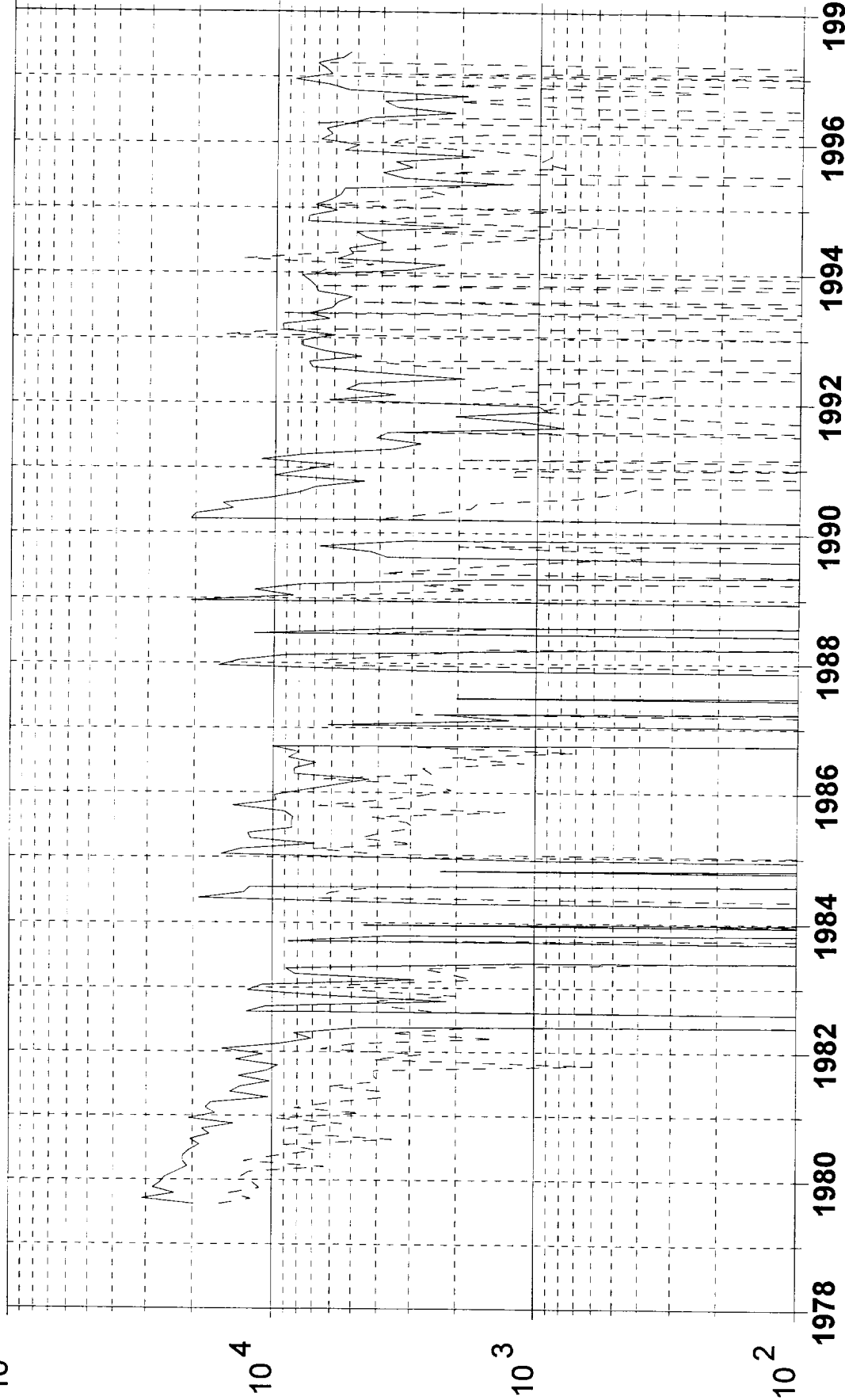
Dwights

Lease: ATLANTIC B L S (2A)

Retrieval Code: 251,045,30N10W04D00MV

10/22/97

10⁵ 10⁴ 10³ 10² 10¹



Gas (mcf/mo)

API #: 30-045-2298800

F.P. Date: 08/79

Oil (bbl/mo)

Field: BLANCO (MESAVERDE) Oil Cum: 6040 bbl

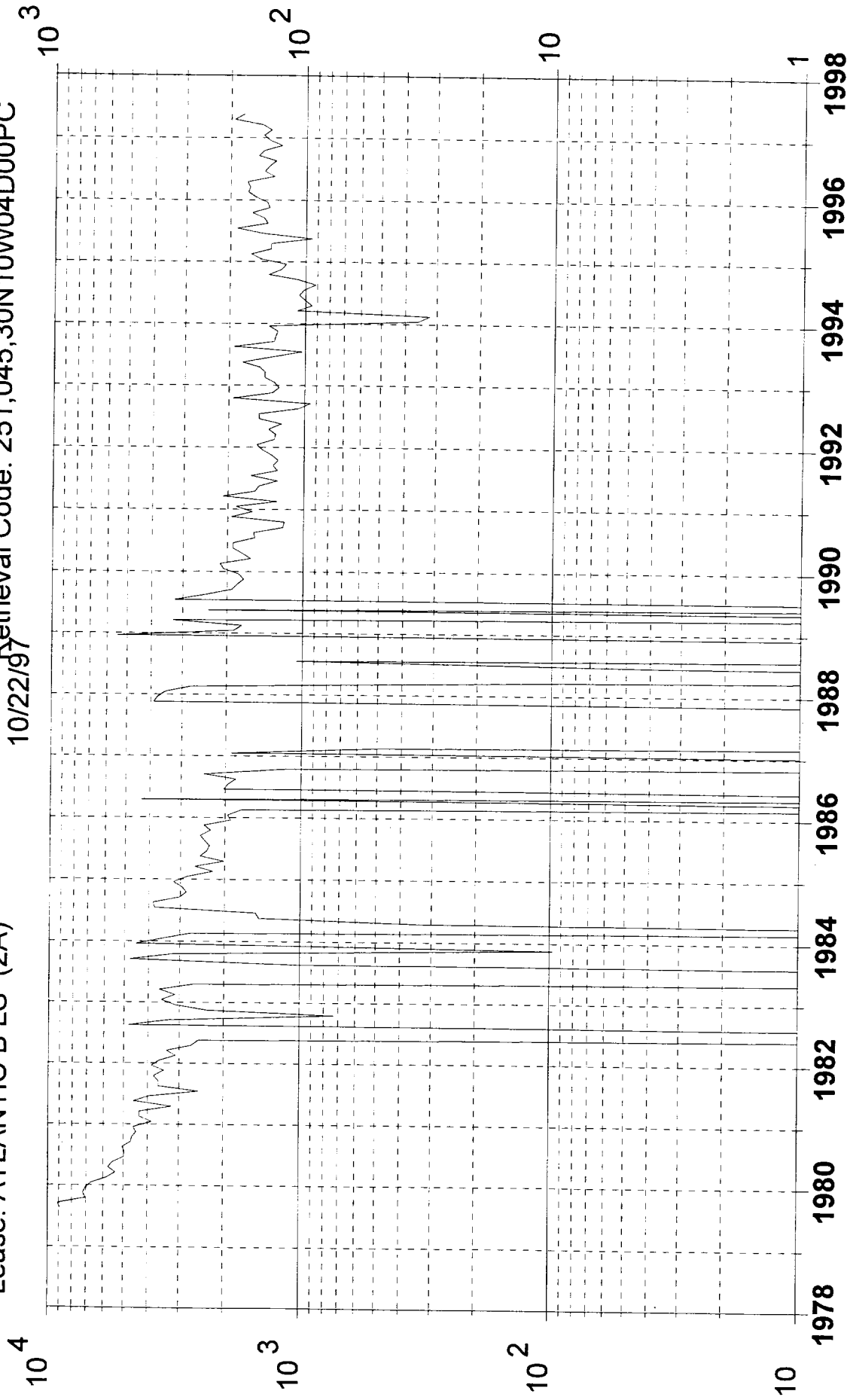
Reservoir: MESAVERDE Gas Cum: 1566 mmcf

Operator: AMOCO PRODUCTIO Location: 4D 30N 10W

Dwights

Lease: ATLANTIC B L S (2A)

Retrieval Code: 251,045,30N10W04D00PC
10/22/97



Gas (mcf/mo)

Oil (bbl/mo)

API #: 30-045-2298800 F.P. Date: 08/79

Field: BLANCO (PICTURED CL Oil Cum: 0 bbl

Reservoir: PICTURED CLIFFS Gas Cum: 448.4 mmcf

Operator: AMOCO PRODUCTIO Location: 4D 30N 10W

FLACWELL	WELLNAME	RECDATE	GASVOL	OILVOL	WATERVOL
97944302	ATLANTIC B LS 002A-MV	8/27/97	35.1	0	0
97944302	ATLANTIC B LS 002A-MV	8/28/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	8/29/97	40.4	0	0
97944302	ATLANTIC B LS 002A-MV	8/30/97	14.2	0	0
97944302	ATLANTIC B LS 002A-MV	8/31/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/1/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/2/97	70.2	0	0
97944302	ATLANTIC B LS 002A-MV	9/3/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/4/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/5/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/6/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/7/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/8/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/9/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/10/97	30.1	0	0
97944302	ATLANTIC B LS 002A-MV	9/11/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/12/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/13/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/14/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/15/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/16/97	34.7	0	0
97944302	ATLANTIC B LS 002A-MV	9/17/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/18/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/19/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/20/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/21/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/22/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/23/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/24/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/25/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	9/26/97	46.5	0	0
97944302	ATLANTIC B LS 002A-MV	9/27/97	56.7	0	0
97944302	ATLANTIC B LS 002A-MV	9/28/97	21.2	0	0
97944302	ATLANTIC B LS 002A-MV	9/29/97	10.1	0	0
97944302	ATLANTIC B LS 002A-MV	9/30/97	4.1	0	0
97944302	ATLANTIC B LS 002A-MV	10/1/97	55.2	0	0
97944302	ATLANTIC B LS 002A-MV	10/2/97	44.4	0	0
97944302	ATLANTIC B LS 002A-MV	10/3/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	10/4/97	36.8	0	0
97944302	ATLANTIC B LS 002A-MV	10/5/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	10/6/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	10/7/97	340.2	0	0
97944302	ATLANTIC B LS 002A-MV	10/8/97	534.8	0	0
97944302	ATLANTIC B LS 002A-MV	10/9/97	390	0	0
97944302	ATLANTIC B LS 002A-MV	10/10/97	91.5	0	0
97944302	ATLANTIC B LS 002A-MV	10/11/97	54.9	0	0
97944302	ATLANTIC B LS 002A-MV	10/12/97	65.9	0	0
97944302	ATLANTIC B LS 002A-MV	10/13/97	41.2	0	0
97944302	ATLANTIC B LS 002A-MV	10/14/97	26.4	0	0
97944302	ATLANTIC B LS 002A-MV	10/15/97	20.6	0	0
97944302	ATLANTIC B LS 002A-MV	10/16/97	13.2	0	0
97944302	ATLANTIC B LS 002A-MV	10/17/97	43.3	0	0
97944302	ATLANTIC B LS 002A-MV	10/18/97	26.1	0	0
97944302	ATLANTIC B LS 002A-MV	10/19/97	0	0	0
97944302	ATLANTIC B LS 002A-MV	10/20/97	238.5	0	0
97944302	ATLANTIC B LS 002A-MV	10/21/97	321.6	0	0
97944302	ATLANTIC B LS 002A-MV	10/22/97	300.2	0	0
97944302	ATLANTIC B LS 002A-MV	10/23/97	359.6	0	0
97944302	ATLANTIC B LS 002A-MV	10/24/97	386.7	0	0
97944302	ATLANTIC B LS 002A-MV	10/25/97	357.7	0	0
97944302	ATLANTIC B LS 002A-MV	10/26/97	253.6	0	0
97944302	ATLANTIC B LS 002A-MV	10/27/97	418.3	0	0

avg - 77.16
 30 day avg 142.5

FLACWELL	WELLNAME	RECDATE	GASVOL	OILVOL	WATERVOL
97944301	ATLANTIC B LS 002A-PC	8/27/97	49.1	0	0
97944301	ATLANTIC B LS 002A-PC	8/28/97	48.6	0	0
97944301	ATLANTIC B LS 002A-PC	8/29/97	46.7	0	0
97944301	ATLANTIC B LS 002A-PC	8/30/97	49.9	0	0
97944301	ATLANTIC B LS 002A-PC	8/31/97	50.2	0	0
97944301	ATLANTIC B LS 002A-PC	9/1/97	49.3	0	0
97944301	ATLANTIC B LS 002A-PC	9/2/97	50.6	0	0
97944301	ATLANTIC B LS 002A-PC	9/3/97	48.3	0	0
97944301	ATLANTIC B LS 002A-PC	9/4/97	49.4	0	0
97944301	ATLANTIC B LS 002A-PC	9/5/97	49.3	0	0
97944301	ATLANTIC B LS 002A-PC	9/6/97	48.7	0	0
97944301	ATLANTIC B LS 002A-PC	9/7/97	47.9	0	0
97944301	ATLANTIC B LS 002A-PC	9/8/97	49.2	0	0
97944301	ATLANTIC B LS 002A-PC	9/9/97	50.4	0	0
97944301	ATLANTIC B LS 002A-PC	9/10/97	49.5	0	0
97944301	ATLANTIC B LS 002A-PC	9/11/97	47.5	0	0
97944301	ATLANTIC B LS 002A-PC	9/12/97	48.1	0	0
97944301	ATLANTIC B LS 002A-PC	9/13/97	46.2	0	0
97944301	ATLANTIC B LS 002A-PC	9/14/97	47.6	0	0
97944301	ATLANTIC B LS 002A-PC	9/15/97	47.6	0	0
97944301	ATLANTIC B LS 002A-PC	9/16/97	46.1	0	0
97944301	ATLANTIC B LS 002A-PC	9/17/97	47.1	0	0
97944301	ATLANTIC B LS 002A-PC	9/18/97	47.3	0	0
97944301	ATLANTIC B LS 002A-PC	9/19/97	46.5	0	0
97944301	ATLANTIC B LS 002A-PC	9/20/97	48.8	0	0
97944301	ATLANTIC B LS 002A-PC	9/21/97	46.7	0	0
97944301	ATLANTIC B LS 002A-PC	9/22/97	48.2	0	0
97944301	ATLANTIC B LS 002A-PC	9/23/97	49.2	0	0
97944301	ATLANTIC B LS 002A-PC	9/24/97	49.7	0	0
97944301	ATLANTIC B LS 002A-PC	9/25/97	49.1	0	0
97944301	ATLANTIC B LS 002A-PC	9/26/97	47.7	0	0
97944301	ATLANTIC B LS 002A-PC	9/27/97	48.7	0	0
97944301	ATLANTIC B LS 002A-PC	9/28/97	48.4	0	0
97944301	ATLANTIC B LS 002A-PC	9/29/97	48.6	0	0
97944301	ATLANTIC B LS 002A-PC	9/30/97	48.2	0	0
97944301	ATLANTIC B LS 002A-PC	10/1/97	47.8	0	0
97944301	ATLANTIC B LS 002A-PC	10/2/97	48.9	0	0
97944301	ATLANTIC B LS 002A-PC	10/3/97	47.9	0	0
97944301	ATLANTIC B LS 002A-PC	10/4/97	48.4	0	0
97944301	ATLANTIC B LS 002A-PC	10/5/97	48	0	0
97944301	ATLANTIC B LS 002A-PC	10/6/97	48.4	0	0
97944301	ATLANTIC B LS 002A-PC	10/7/97	47.9	0	0
97944301	ATLANTIC B LS 002A-PC	10/8/97	48.5	0	0
97944301	ATLANTIC B LS 002A-PC	10/9/97	47.9	0	0
97944301	ATLANTIC B LS 002A-PC	10/10/97	48	0	0
97944301	ATLANTIC B LS 002A-PC	10/11/97	48.9	0	0
97944301	ATLANTIC B LS 002A-PC	10/12/97	47.4	0	0
97944301	ATLANTIC B LS 002A-PC	10/13/97	48.6	0	0
97944301	ATLANTIC B LS 002A-PC	10/14/97	48.9	0	0
97944301	ATLANTIC B LS 002A-PC	10/15/97	46.1	0	0
97944301	ATLANTIC B LS 002A-PC	10/16/97	47.3	0	0
97944301	ATLANTIC B LS 002A-PC	10/17/97	48.2	0	0
97944301	ATLANTIC B LS 002A-PC	10/18/97	47.6	0	0
97944301	ATLANTIC B LS 002A-PC	10/19/97	48.9	0	0
97944301	ATLANTIC B LS 002A-PC	10/20/97	46.8	0	0
97944301	ATLANTIC B LS 002A-PC	10/21/97	47.1	0	0
97944301	ATLANTIC B LS 002A-PC	10/22/97	46.7	0	0
97944301	ATLANTIC B LS 002A-PC	10/23/97	48.3	0	0
97944301	ATLANTIC B LS 002A-PC	10/24/97	47.5	0	0
97944301	ATLANTIC B LS 002A-PC	10/25/97	48.2	0	0
97944301	ATLANTIC B LS 002A-PC	10/26/97	48.5	0	0
97944301	ATLANTIC B LS 002A-PC	10/27/97	49.3	0	0

avg 48.23
30 day avg 48.04

OFFSET OPERATORS
Atlantic B LS #2A

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

Production Allocation Recommendation
Atlantic B LS #2A

Production is proposed to be allocated based on a percentage allocation. The production for the Mesaverde and Pictured Cliffs formations is based on the attached daily production from August to October of this year.

Gas:	PC	48 MCFD	25%
	MV	142 MCFD	75%

Oil:	PC	0 BPD	0%
	MV	<1 BPD	100%