

DATE IN 3/27/97	SUSPENSE 4/16/97	ENGINEER BS	LOGGED MW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

1525

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

- [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
- [DD-Directional Drilling] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

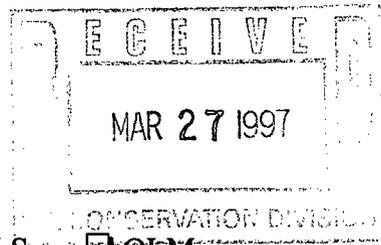
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling
 NSL NSP DD SD

Check One Only for [B] and [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR



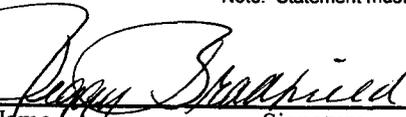
[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Bradfield  Regulatory/Compliance Administrator
 Print or Type Name Signature Title

3-26-97
Date

BURLINGTON RESOURCES

SAN JUAN DIVISION

March 26, 1997

SENT FEDERAL EXPRESS

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Atlantic B Com #9A
1500'FSL, 1825'FEL Section 34, T-31-N, R-10-W, San Juan County, NM
API #30-045-22977

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Pictured Cliffs and Blanco Mesa Verde in the subject well. This well was originally drilled as a Pictured Cliffs/Mesa Verde dual; it is intended to commingle.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for Pictured Cliffs and Mesa Verde for at least one year;
4. Notification list of offset operators;
5. Notification list of interest owners;
6. Shut in wellhead pressure and calculated down hole pressure;
7. Nine-section plats for the Mesa Verde and Pictured Cliffs

If you are a working, overriding or royalty interest owner in either of the above described pools, you are being notified of this application as a requirement of the New Mexico Oil Conservation Division Rule #303C. Burlington, as operator, believes this application will be in the best interest of all owners. If you have no objection to this commingling application, you do not have to respond to this notification. Upon establishment of production from this well, you will receive your proportionate share of revenues from the pool in which you own an interest according to the proposed allocation formula.

We will consult with the Supervisor of the Aztec District Office of the New Mexico Oil Conservation Division to establish an allocation formula.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator
encs.

xc: Bureau of Land Management

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 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

APPROVAL PROCESS :

Administrative Hearing

EXISTING WELLBORE

YES NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator **Atlantic B Com** Address **9A J 34-31-10 San Juan**

Lease Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6803 API NO. 30-045-22977 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	Pictured Cliffs - 72359		Blanco Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	2994-3161'		4514-5623'
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	(Current) a. 366 psi (see attachment)	a.	a. 233 psi (see attachment)
	(Original) b. 803 psi (see attachment)	b.	b. 803 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1156		BTU 1283
7. Producing or Shut-In?	producing		producing
Production Marginal? (yes or no)	yes		no
* If Shut-In and oil/gas/water rates of last production	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data			
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: 12-96 Rates: 13 mcf/d; 0 bopd	Date: Rates:	Date: 12-96 Rates: 215 mcf/d; 1.1 bopd
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: %	Oil: % Gas: % will be supplied upon completion

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 Mary Ellen Lutey TITLE Production Engineer DATE 2/17/97

TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

NATIONAL MEXICO OIL CONSERVATION COMMISSION
 WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

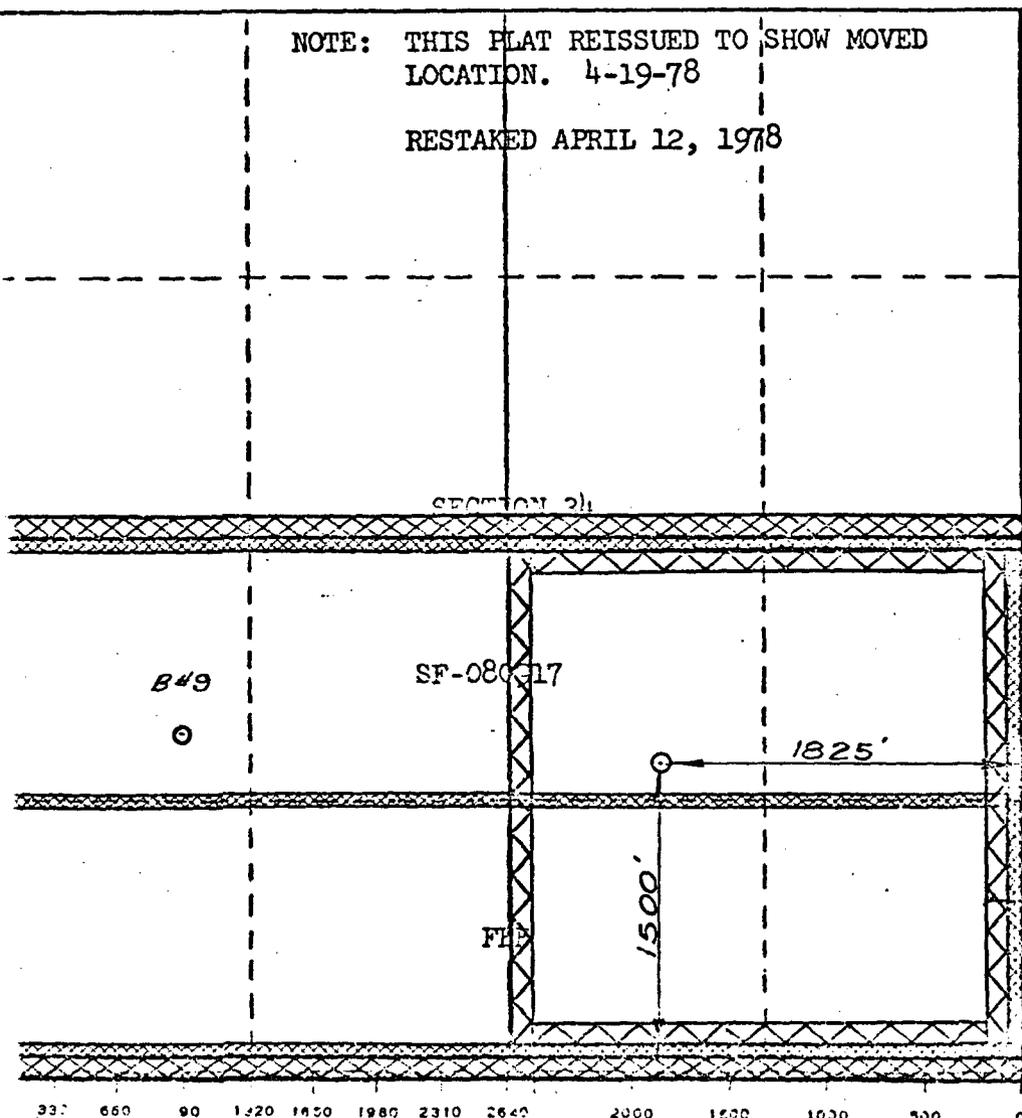
Operator EL PASO NATURAL GAS COMPANY		Lease ATLANTIC B (SF-080917)		Well No. 9A
Unit Letter J	Section 34	Township 31-N	Range 10-W	County SAN JUAN
Actual Footage Location of Well: 1500 feet from the SOUTH line and 1825 feet from the EAST line				
Ground Level Elev. 6291	Producing Formation MESA VERDE PICTURED CLIFFS		Pool BLANCO PICTURED CLIFFS BLANCO MESA VERDE	Dedicated Acreage: 157.58 & 316.41 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. NOTE: THIS PLAT REISSUED TO REFLECT DUAL COMPLETEION. 3-2-78



CERTIFICATION

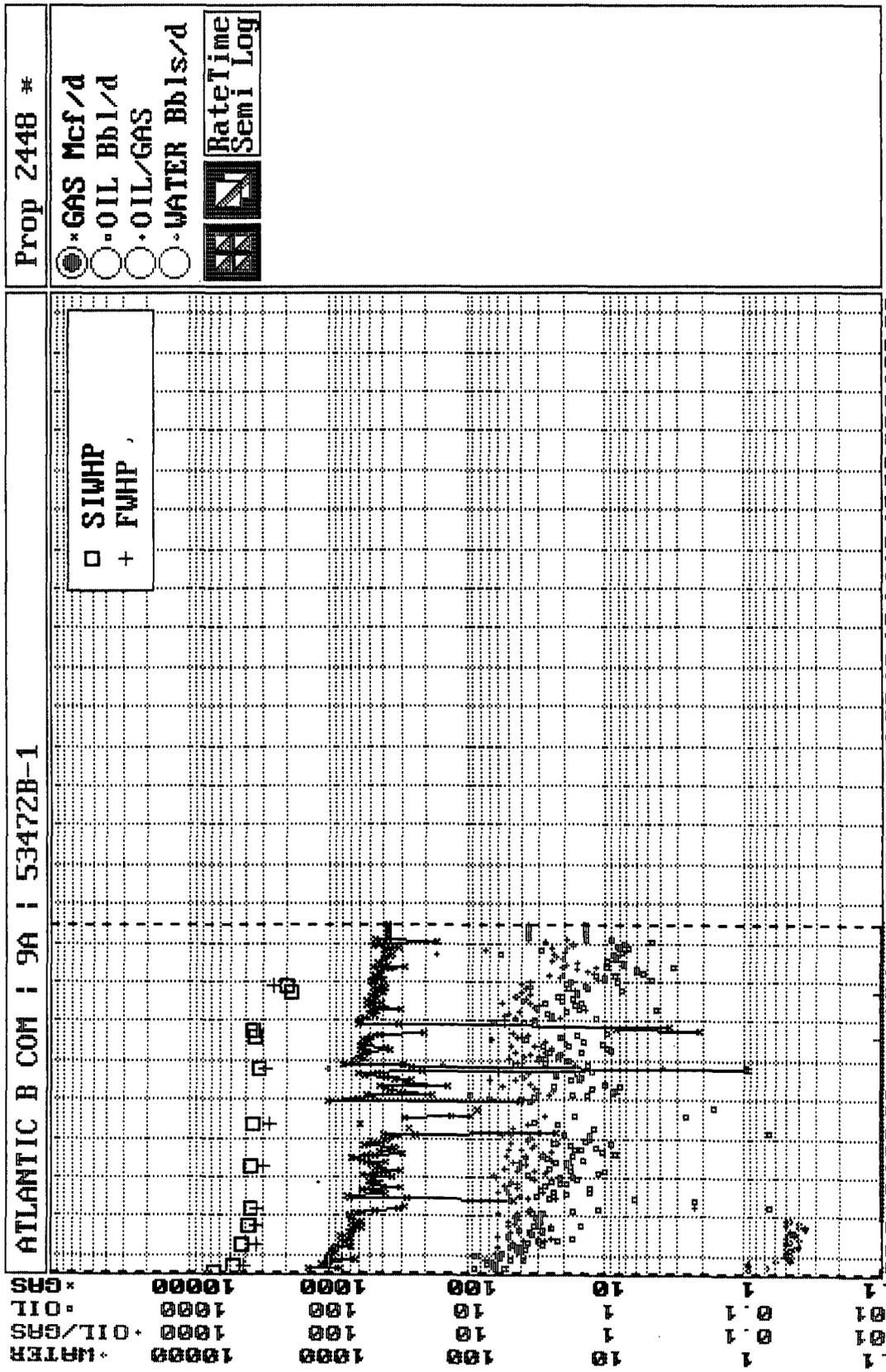
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

D. G. Busco
 Name
Drilling Clerk
 Position
El Paso Natural Gas Co.
 Company
May 1, 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.

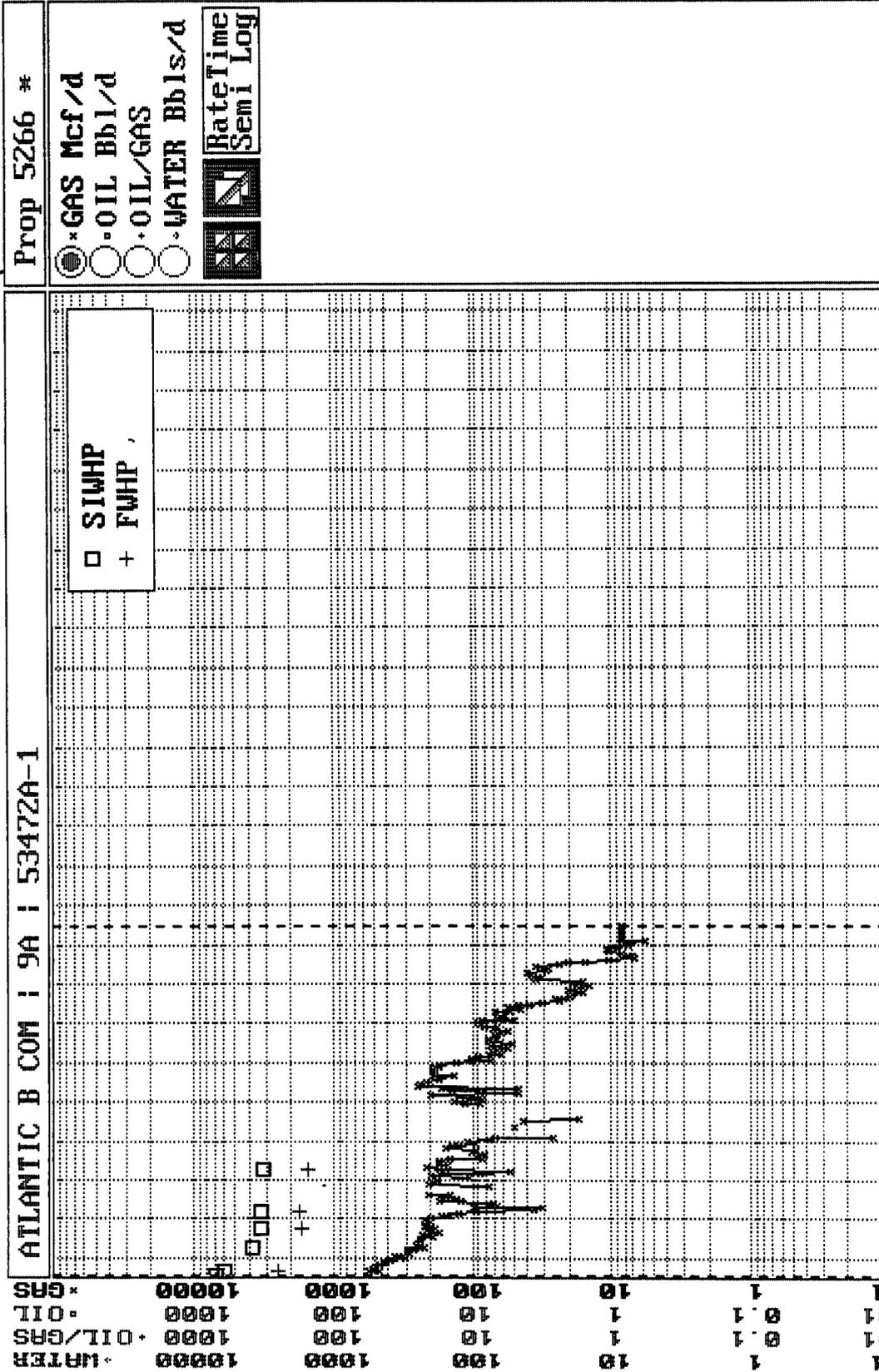
DAVID
 Date Surveyed
FEBRUARY 21, 1978
 Registered Professional Engineer
 and/or Land Surveyor
David Wilson
 Certificate No. **1760**

MV



Major = GAS

RC



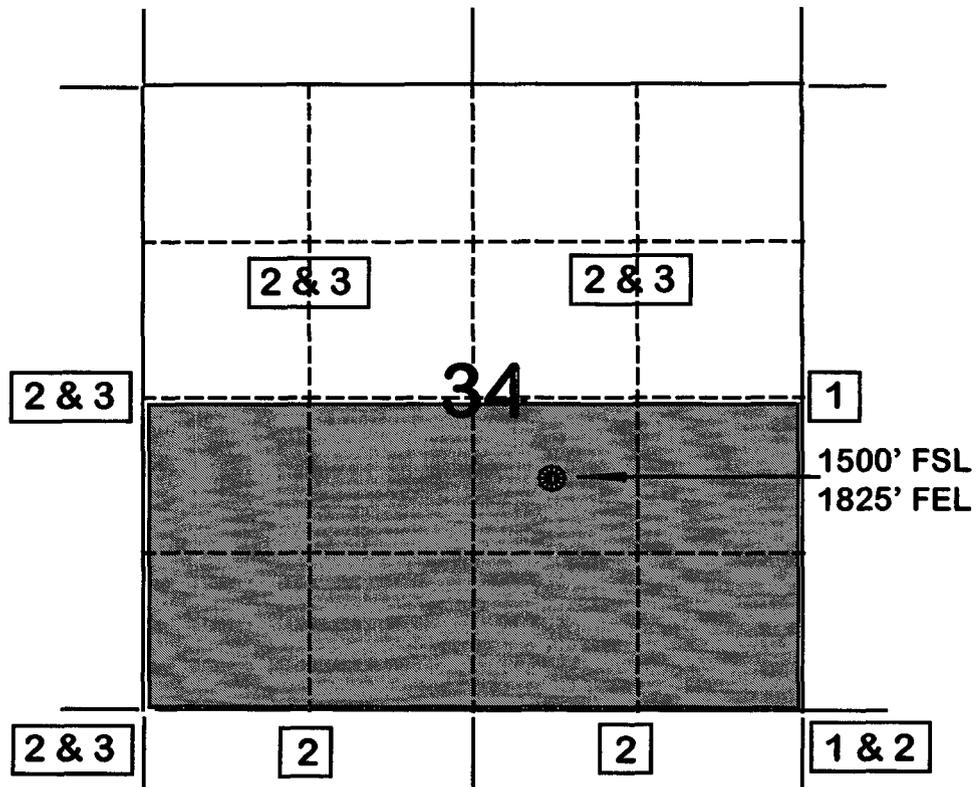
Major = GAS

BURLINGTON RESOURCES OIL AND GAS COMPANY

**Atlantic B Com #9A
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde (S/2)/Pictured Cliffs (SE/4) Formations Commingle Well

Township 31 North, Range 10 West



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
- 2) Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201
- 3) SG Interest
811 Dallas Ste. 1605
Houston, TX 77002

**Atlantic B Com #9A
GWIN/WI/RI/ORRI Owners**

NAME

AMOCO PRODUCTION COMPANY
BONNIE H JOHN
CLINTON C CARNEY JR TRUST
CONOCO INC
DONNA MASCHAK
DUFF LEACH FAMILY TRUST
E ERIC LARSON MD MEMORIAL FUND
EST THOMAS JACQUES DECD
EVELYN SMITH
H W SMITH ESTATE
J BURTON VETETO
JACQUELINE WHITE DOYLE
JIM L SHARP
JULIE ANN ANTWEIL TRUST
K J PALMER & H H PALMER
KAREN BOSICK MCAFEE
LILLIE JACQUES
LURA BOECK ESTATE
MINERALS MANAGEMENT SERVICES
NANCY W MCLAUGHLIN
PATRICIA C GORDEN REVOCABLE TR
ROBERT M WILLIAMS
ROBERT W LANGLEY JR
SINGER BROS
SOUTH COAST MEDICAL CENTER
TED EDWARD DUFF TRUSTEE
UNITED PIPE SUPPLY CO
VASTAR RESOURCES INC

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 10.3/13/94

GAS GRAVITY	<u>0.75</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.51</u>
%CO2	<u>1.11</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.4</u>
DEPTH (FT)	<u>5677</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>201</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>232.8</u>

ATLANTIC B COM #9A MESAVERDE - (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 10.3/13/54

GAS GRAVITY	<u>0.75</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.51</u>
%CO2	<u>1.11</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.4</u>
DEPTH (FT)	<u>5677</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>683</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>803.2</u>

ATLANTIC B COM #9A MESAVERDE - (ORIGINAL)

MV

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: ATLANTIC B COM | 9A | 53472B-1 Property No.: 2448
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/12/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

<u>--DATE--</u>	<u>---CUM GAS---</u>	<u>M SIWHP</u>
	Mcf	Psi
02/06/79	0	683.0
06/04/79	97517	487.0
07/02/80	454328	427.0
07/02/81	712242	380.0
05/26/82	897164	370.0
07/26/84	1201501	363.0
09/26/86	1494960	353.0
06/29/89	1759970	317.0
02/18/91	2064029	348.0
07/12/91	2099204	360.0
06/16/93	2420971	185.0
10/20/93	2462600	201.0

F1=Help F3=PrvPro F5=PrvTbl F7=Calcu F9=Utils Alt+TableLtr=Change Table
 F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	0.66
COND. OR MISC. (C/M)	C
%N2	0.16
%CO2	0.68
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	5677
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	694
BOTTOMHOLE PRESSURE (PSIA)	803.4

ATLANTIC B COM #9A PICTURED CLIFFS - (ORIGINAL)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**

VERSION 10/3/13/54

GAS GRAVITY	<u>0.66</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.16</u>
%CO2	<u>0.68</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.25</u>
DEPTH (FT)	<u>5677</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>110</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>319</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>365.7</u>

ATLANTIC B COM #9A PICTURED CLIFFS - (CURRENT)

PC

Organize Data ScreenGraph Economics Report Plot Utility Quit
Browsing: ATLANTIC B COM | 9A | 53472A-1 Property No.: 5266
Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/6/103224
Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

<u>--DATE--</u>	<u>---CUM_GAS--</u>	<u>M SIWHP</u>
	Mcf	Psi
02/15/79	0	694.0
05/02/79	31465	600.0
07/02/80	180156	375.0
07/02/81	268032	334.0
05/26/82	322716	325.0
07/26/84	403385	319.0

F1=Help F3=PrvPro F5=PrvTbl F7=Calcu F9=Utils Alt+TableLtr=Change Table
F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L

FARMINGTON 1996 MONTHLY PRODUCTION FOR 53472A
 ATLANTIC B COM 9A
 BLANCO PICTURED CLIFFS (GAS) FIELD PICTURED CLIFFS ZONE

PHS030M1

MO	T	S	DAYS		OIL			GAS				WATER PROD	C
			ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS		
1	2	F					01	229	31	1139	15.025		
2	2	F					01	173	29	1139	15.025		
3	2	F					01	216	31	1139	15.025		
4	2	F					01	534	30	1139	15.025		
5	2	F					01	362	31	1139	15.025		
6	2	F					01	343	18	1139	15.025		
7	2	F					01	279	31	1137	15.025		
8	2	F					01	848	31	1137	15.025		
9	2	F					01	505	24	1139	15.025		
10	2	F					01	422	31	1139	15.025		
11	2	F					01	270	30	1139	15.025		
12	2	F					01	13 McFD 400	31	1139	15.025		

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
 PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
 00/00/00 00:00:00:0 PRS 02/05/97

B MY JOB NUM LU #27

FARMINGTON 1996 MONTHLY PRODUCTION FOR 53472B
 ATLANTIC B COM 9A
 BLANCO MESAVERDE (PRORATED GAS FIELD) MESAVERDE ZONE

PHS030M1

MO	T	S	DAYS		OIL			GAS				WATER PROD	C
			ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS		
1	2	S	19	02	14		01	5149	19	1175	15.025		
2	2	F	29	02	28		01	14382	29	1234	15.025		
3	2	F	31	02	33	56.7	01	11547	31	1216	15.025		
4	2	F	30	02			01	12505	30	1220	15.025		
5	2	F	31	02	65	32.1	01	12370	31	1220	15.025		
6	2	F	27	02	40		01	9581	27	1105	15.025		
7	2	F	31	02	23		01	10789	31	1104	15.025		
8	2	F	31	02	24	54.7	01	13717	31	1113	15.025		
9	2	F	25	02	12		01	8679	25	1155	15.025		
10	2	F	31	02	48		01	12671	31	1160	15.025		
11	2	F	30	02	39		01	12698	30	1161	15.025		
12	2	F	31	02	1.180 PD 35		01	215 McFD 6650	31	1113	15.025		

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
 PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
 00/00/00 00:00:00:0 PRS 02/05/97

B MY JOB NUM LU #27

ATLANTIC B COM #9A SECTION 34, T31N, R10W MESAVERDE - PICTURED CLIFFS

