

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 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NOBurlington Resources Oil & Gas Company
87499

PO Box 4289, Farmington, NM

Operator

Atlantic

Address

6A

C 22-31-10

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6795 API NO. 30-045-22388 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 Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	3024-3098'		4521-5594'
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 or Measured Original	(Current) a. 334 psi (see attachment) (Original) b. 824 psi (see attachment)	a. b.	a. 394 psi (see attachment) b. 817 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1132		BTU 1214
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 Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: 12-98 Rates: 74 mcf/d; 0 bopd	Date: Rates:	Date: 12-98 Rates: 372 mcf/d; 2 bopd
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: % will be supplied upon completion	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 ☐ No11. 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 ☐ No13. 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 2/17/97TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION
W LOCATION AND ACREAGE DEDICATION

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

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

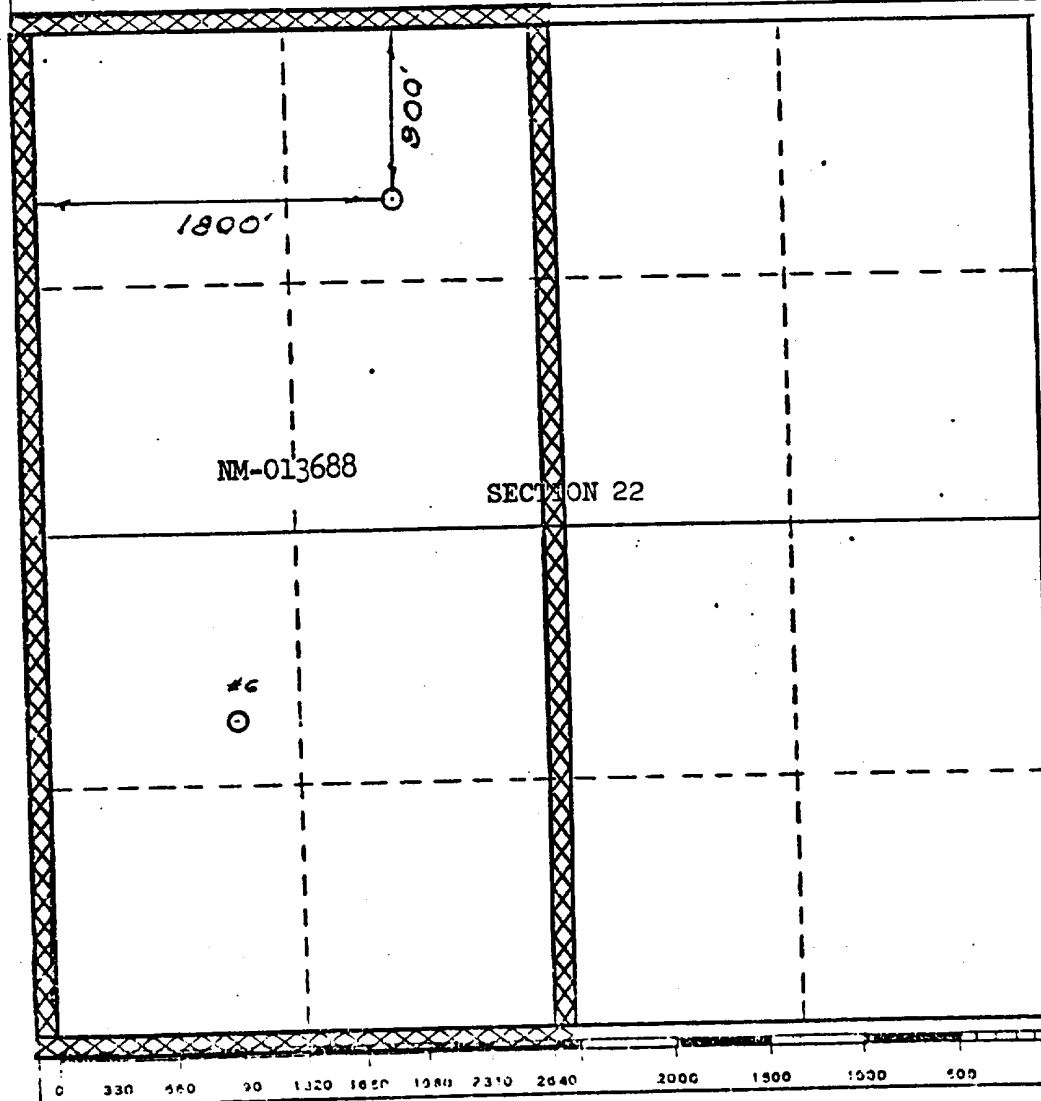
Operator EL PASO NATURAL GAS COMPANY		Lease ATLANTIC		(NM-013688)		Well No. 6A
Unit Letter C	Section 22	Township 31-N	Range 10-W	County SAN JUAN		
Actual Footage Location of Well: 900 feet from the NORTH line and 1800 feet from the WEST line						
Ground Level Elev. 6256	Producing Formation MESA VERDE		Pool BLANCO MESA VERDE		Dedicated Acreage: 320.40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

Original Signed by
D. G. Brisco

Name

Position
Drilling Clerk

Company
El Paso Natural Gas

Date
March 18, 1977

I hereby certify that the well location shown on this plat was plotted from the notes of actual surveys made by me under my supervision, and that the survey is true and correct to the best of my knowledge and belief.

Date Surveyed
MARCH 9, 1977

Registered Professional Engineer
and/or Land Surveyor

David C. Brisco
Certificate No. **1760**

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

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

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

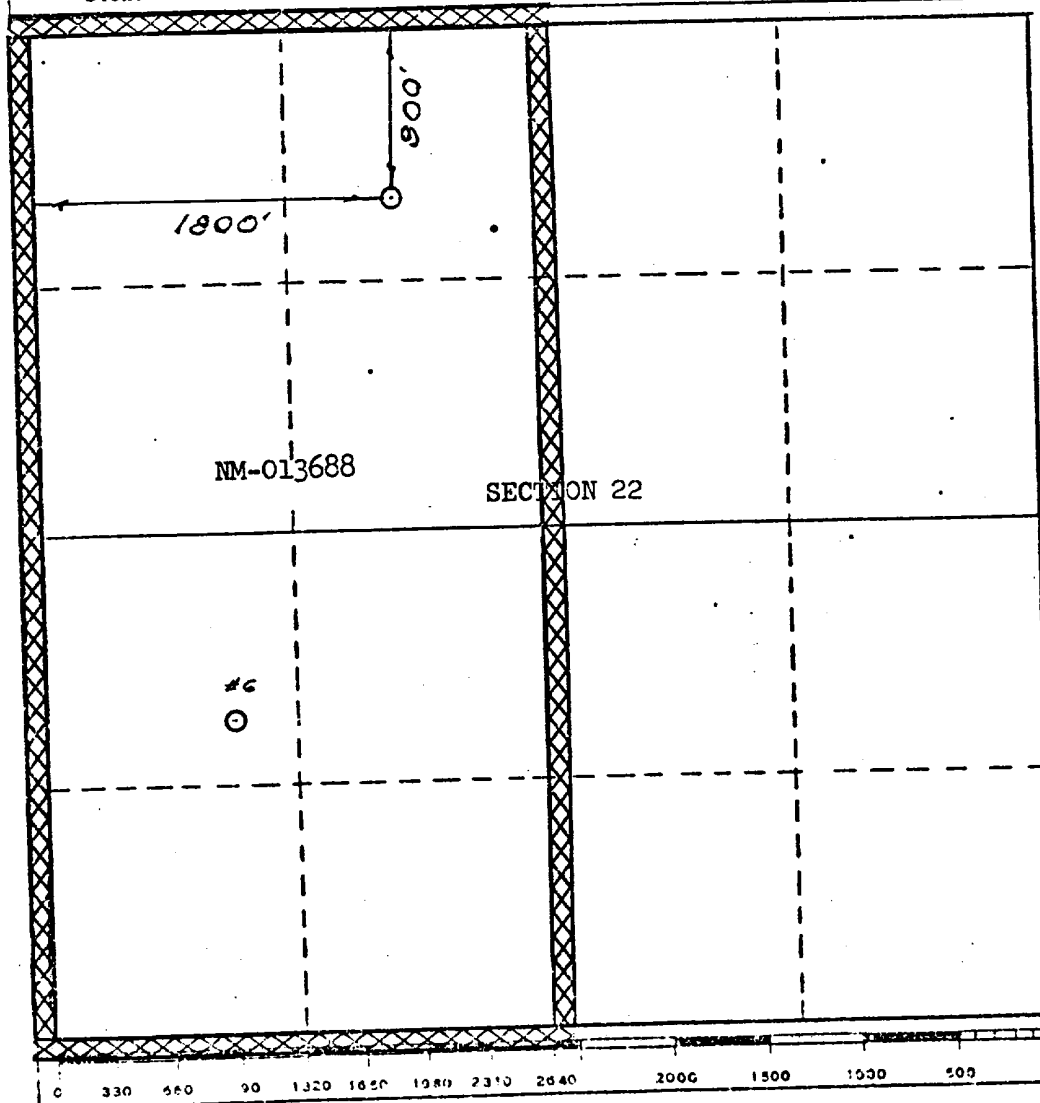
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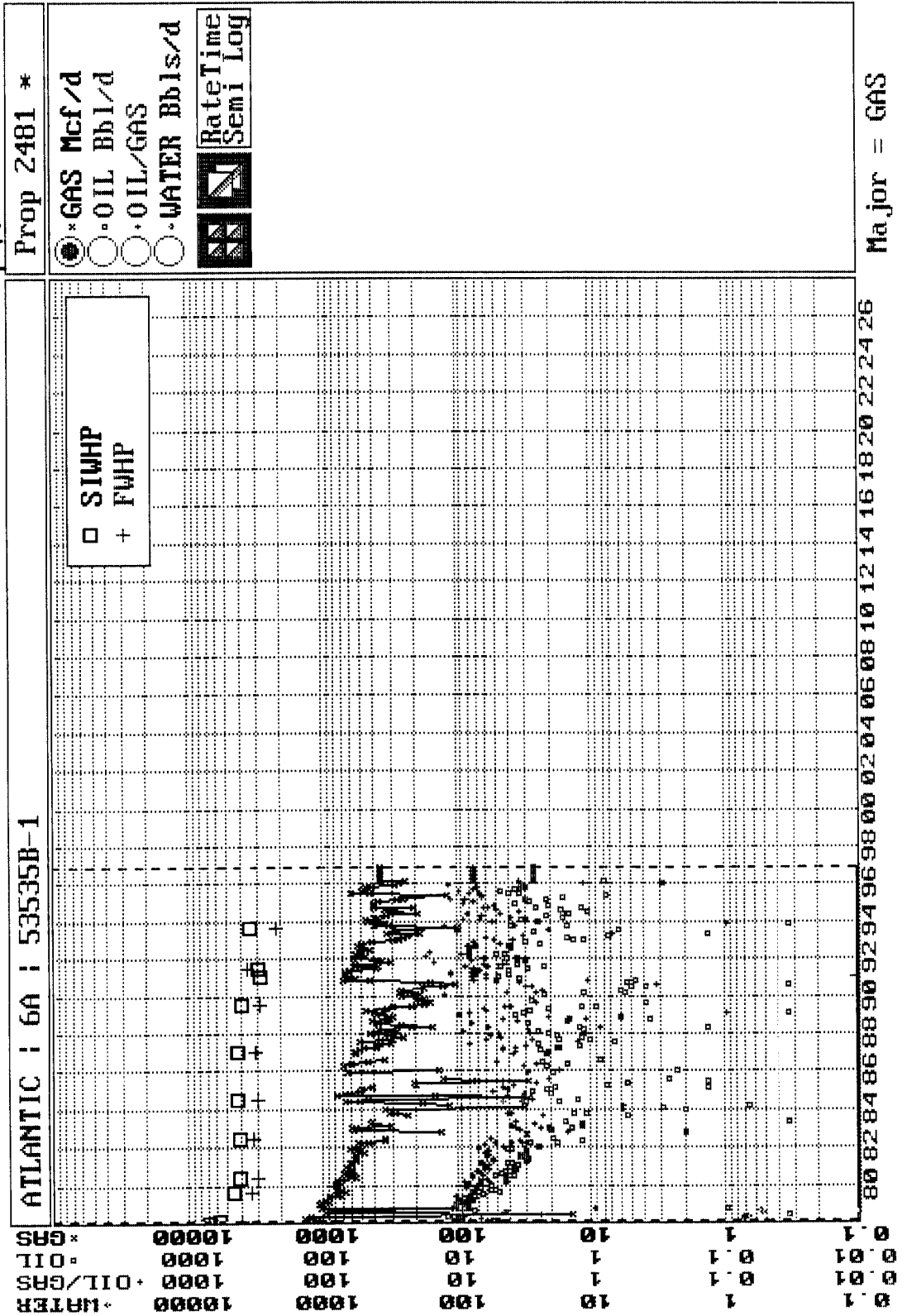
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
MARCH 9, 1977

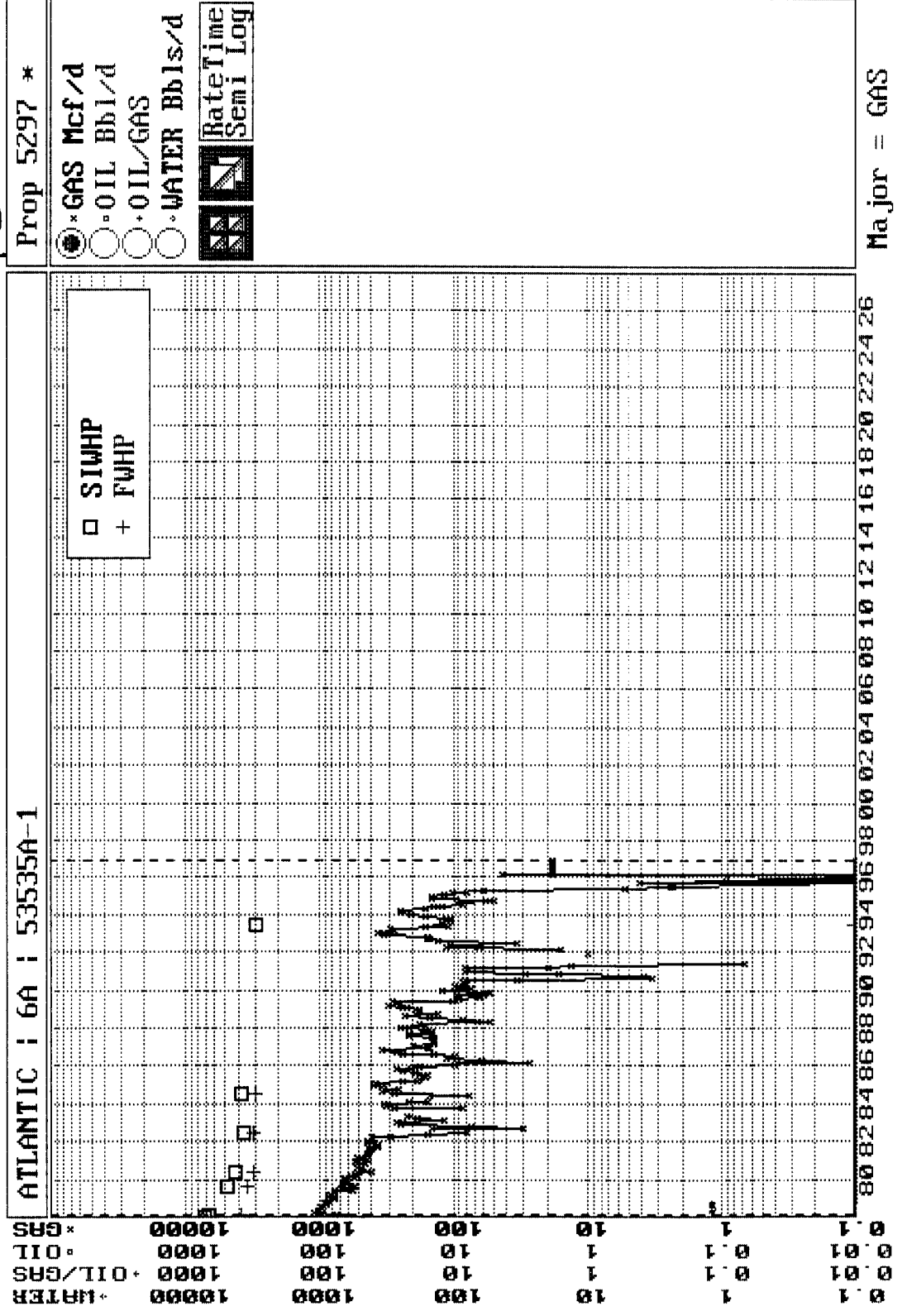
Registered Professional Engineer
 and/or Land Surveyor

David C. Blue
 Certificate No. **1760**

MV



PC

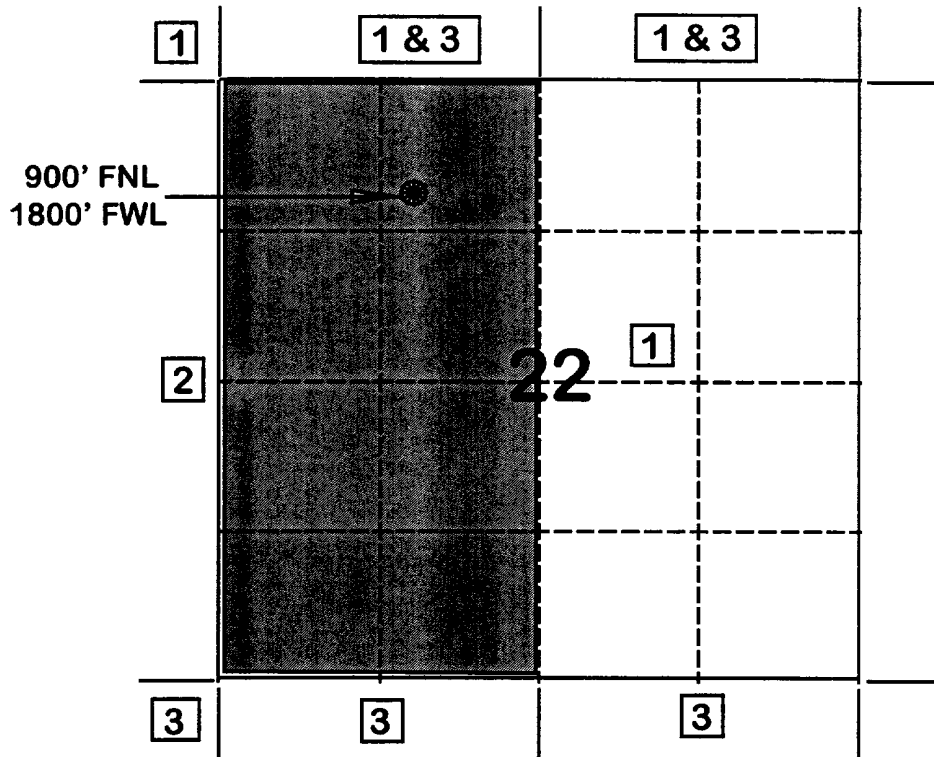


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Atlantic #6A
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde (W/2)/Pictured Cliffs (NW/4) Formations Commingle Well

Township 31 North, Range 10 West



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
- 2) Koch Exploration
P.O. Box 2256
Wichita, KS 67201
- 3) Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201

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

VERSION 10/3/13/94

GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C
%N2	0.38
%CO2	1.34
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	5660
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	343
BOTTOMHOLE PRESSURE (PSIA)	394.4

ATLANTIC #6A MESAVERDE - (CURRENT)

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

VERSION 10.3/13/94

GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C
%N2	0.38
%CO2	1.34
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	5660
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	704
BOTTOMHOLE PRESSURE (PSIA)	817.1

ATLANTIC #6A MESAVERDE - (ORIGINAL)

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: ATLANTIC | 6A | 53535B-1 Property No.: 2481
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/11/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
11/28/77	0	704.0
02/21/78	59273	585.0
08/01/79	531944	449.0
05/20/80	734289	415.0
06/09/82	1159620	406.0
07/25/84	1349183	421.0
12/31/86	1564058	430.0
06/27/89	1890161	390.0
01/28/91	2045706	286.0
06/17/91	2137638	298.0
08/17/93	2450779	343.0

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 10/3/13/94

GAS GRAVITY	<u>0.65</u>
COND. OR MISC. (C/M)	<u>C</u>
%N ₂	<u>0.18</u>
%CO ₂	<u>1.23</u>
%H ₂ S	<u>0</u>
DIAMETER (IN)	<u>1.25</u>
DEPTH (FT)	<u>5660</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>110</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>292</u>
BOTTOMHOLE PRESSURE (PSIA)	333.6

ATLANTIC #6A PICTURED CLIFFS - (CURRENT)

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

VERSION 10.3/13/94

GAS GRAVITY	0.65
COND. OR MISC. (C/M)	C
%N2	0.18
%CO2	1.23
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	5660
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	714
BOTTOMHOLE PRESSURE (PSIA)	824.1

ATLANTIC #6A PICTURED CLIFFS - (ORIGINAL)

PC

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: ATLANTIC | 6A | 53535A-1 Property No.: 5297
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/7/103224
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
11/28/77	0	714.0
02/21/78	36398	665.0
08/01/79	499036	486.0
05/20/80	658210	423.0
06/09/82	976216	368.0
07/25/84	1079596	384.0
05/19/93	1557153	292.0

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
ATLANTIC 6A
BLANCO PICTURED CLIFFS (GAS) FIELD

1996 MONTHLY PRODUCTION FOR 53535A

PHS030M

PICTURED CLIFFS ZONE

			DAYS =====		OIL =====				GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD
1	2	F					01	3	31		15.025		
2	2	F					01	1323	29	1112	15.025		
3	2	F					01	2031	31	1112	15.025		
4	2	F					01	3255	30	1112	15.025		
5	2	F					01	6954	31	1112	15.025		
6	2	F					01	13	30	1112	15.025		
7	2	F					01	3	26		15.025		
8	2	F					01	23	31	1110	15.025		
9	2	F					01	2	24		15.025		
10	2	F					01	12 MONTH 195	31	1110	15.025		
11	2	F					01	AVERAGE 5107	30	1080	15.025		
12	2	F					01	34 MCF 7891	31	1061	15.025		

PF6 - RETURNS TO ANNUAL DISPLAY
PF10 - HELP INFORMATION

PF3 - TRANSFER TO UPDATE
PF9 - DISPLAY MONTHLY INJECTION
PRS 02/05/97

00/00/00 00:00:00:0

B MY JOB

NUM LU #14

FARMINGTON
ATLANTIC 6A
BLANCO MESAVERDE (PRORATED GAS FIELD

1996 MONTHLY PRODUCTION FOR 53535B

PHS030M

MESAVERDE ZONE

			DAYS =====		OIL =====				GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD
1	2	F	31	02	9	47.9	01	7982	31	1192	15.025		
2	2	F	29	02	24		01	7205	29	1192	15.025		
3	2	F	31	02	83	49.0	01	8146	31	1192	15.025		
4	2	F	30	02	36		01	8673	30	1192	15.025		
5	2	F	31	02	37	55.6	01	6783	31	1192	15.025		
6	2	F	30	02	9		01	7178	30	1151	15.025		
7	2	F	26	02	10		01	5325	26	1149	15.025		
8	2	F	31	02	23		01	5580	31	1149	15.025		
9	2	F	24	02			01	781	24	1149	15.025		
10	2	F	31	02	42		01	9389	31	1149	15.025		
11	2	F	30	02	31		01	9306	30	1149	15.025		
12	2	F	31	02	2 BOPD 63	58.0	01	372 MCF 1544	31	1149	15.025		

PF6 - RETURNS TO ANNUAL DISPLAY
PF10 - HELP INFORMATION

PF3 - TRANSFER TO UPDATE
PF9 - DISPLAY MONTHLY INJECTION
PRS 02/05/97

00/00/00 00:00:00:0

B MY JOB

NUM LU #14

ATLANTIC #6A
SECTION 22. T3IN. RIOW
MESAVERDE - PICTURED CLIFFS

