

DATE IN 3/3/97	SUSPENSE 3/24/97	ENGINEER BS	LOGGED RV	TYPE DHC
-------------------	---------------------	----------------	--------------	-------------

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

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

#### Application Acronyms:

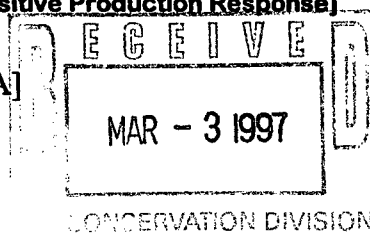
[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood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

493

#### [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

Date

2-27-97

# BURLINGTON RESOURCES

---

SAN JUAN DIVISION

February 18, 1997

SENT FEDERAL EXPRESS

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

Re: Scott #2A  
1650'FSL, 980'FEL Section 31, T-32-N, R-10-W, San Juan County, NM  
API #30-045-21994

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 drilled and completed as a Pictured Cliffs/Mesa Verde dual.

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 both the Pictured Cliffs and Mesa Verde for at least one year;
4. Notification list of offset operators;
5. Shut in wellhead pressure and calculated down hole pressure;
6. Nine-section plats for the Pictured Cliffs and Mesa Verde

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NO

Burlington Resources Oil & Gas Company  
87499

PO Box 4289, Farmington, NM

Operator  
Scott

2A

Address  
I 31-32-10

San Juan

Lease Well No. Unit Ltr. - Sec - Twp - Rge County  
Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7493 API NO. 30-045-21994 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)	2805-2883'		4455-5322'
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	(Current) a. 323 psi (see attachment)  (Original) b. 889 psi (see attachment)	a.  b.	a. 357 psi (see attachment)  b. 889 psi (see attachment)
6. Oil Gravity ( <sup>o</sup> API) or Gas BTU Content	BTU 1108		BTU 1098
7. Producing or Shut-In?	producing		producing
Production Marginal? (yes or no)	no		yes
* 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: 12-96 Rates: 275 mcf/d; 0 bopd	Date: Rates:	Date: 12-96 Rates: 7 mcf/d; 0 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. 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 Mary Ellen Lutey TITLE Production Engineer DATE 2/17/97

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

NEW 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.

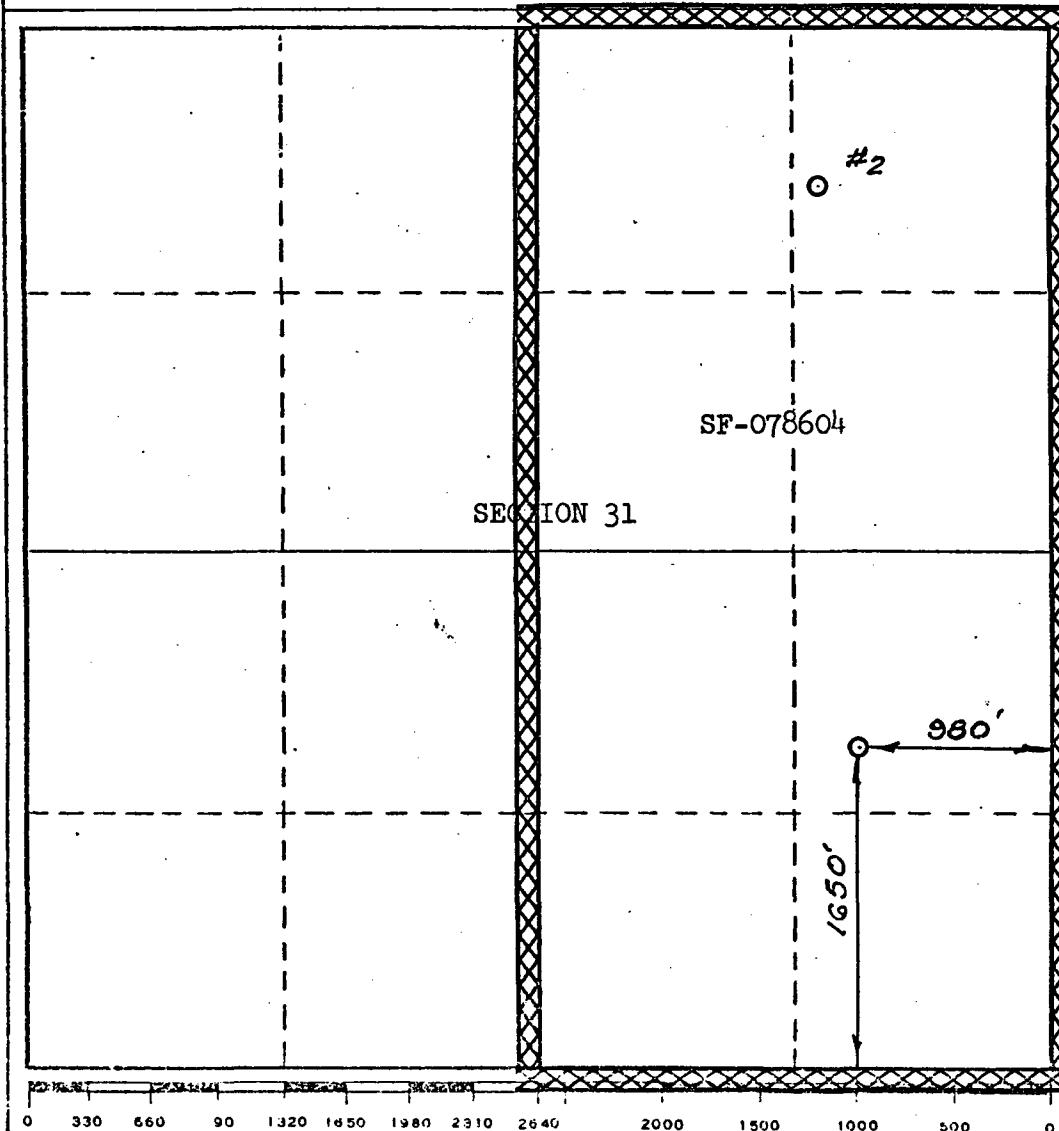
Operator <b>EL PASO NATURAL GAS COMPANY</b>		Lease <b>SCOTT (SF-078604)</b>		Well No. <b>2A</b>
Unit Letter <b>I</b>	Section <b>31</b>	Township <b>32-N</b>	Range <b>10-W</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>1650</b> feet from the <b>SOUTH</b> line and <b>980</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>5998</b>	Producing Formation <b>MESA VERDE</b>	Pool <b>BLANCO MESA VERDE</b>	Dedicated Acreage: <b>320.00</b> 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.

Original Signed by  
**D. G. Brisco**

Name

**Drilling Clerk**  
 Position

**El Paso Natural Gas Co.**  
 Company

**January 27, 1976**  
 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  
**JANUARY 6, 1976**

Registered Professional Engineer  
 and/or Land Surveyor

Certificate No. **1760**

NEW 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.

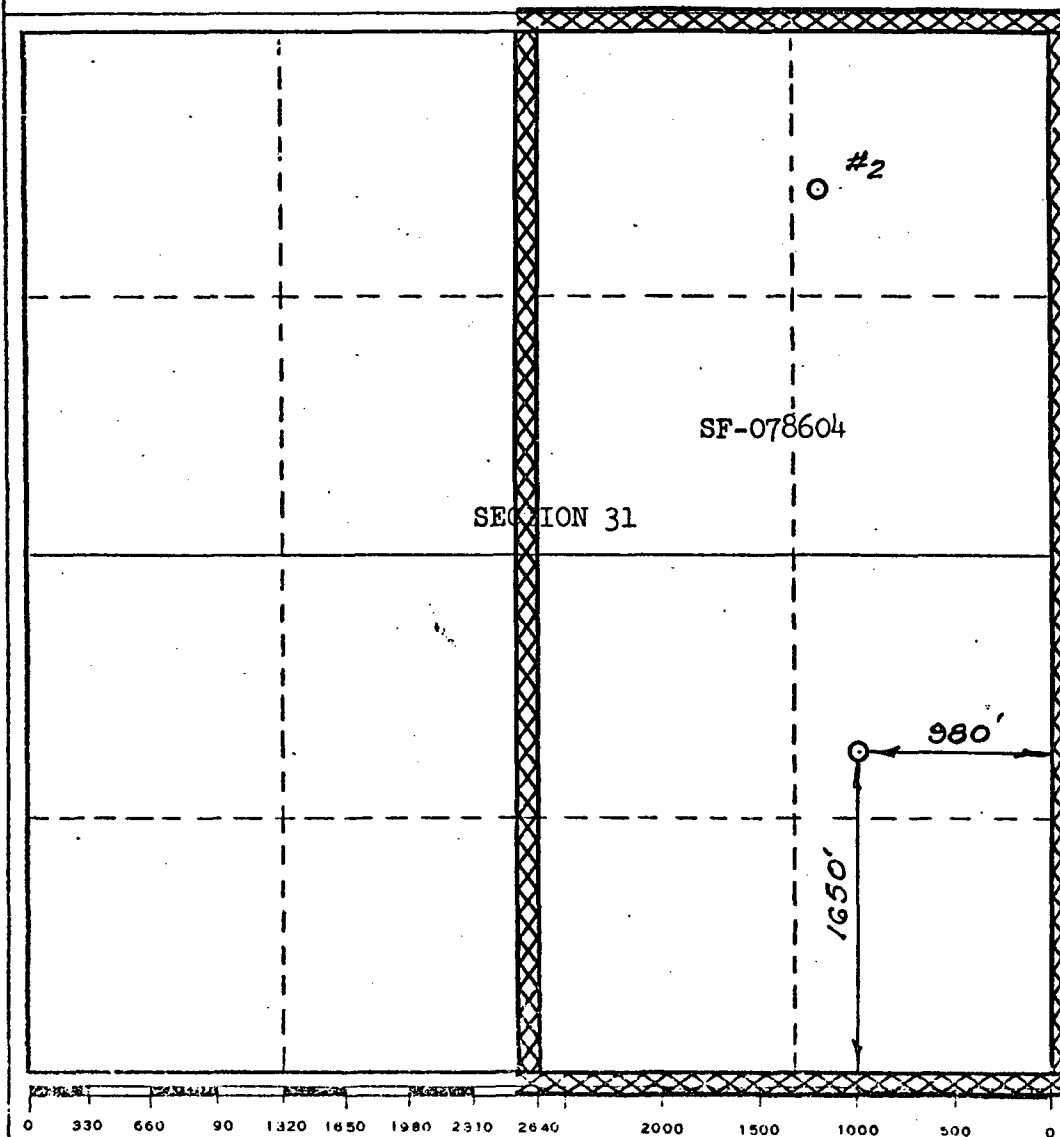
Operator <b>EL PASO NATURAL GAS COMPANY</b>		Lease <b>SCOTT (SF-078604)</b>		Well No. <b>2A</b>
Unit Letter <b>I</b>	Section <b>31</b>	Township <b>32-N</b>	Range <b>10-W</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>1650</b> feet from the <b>SOUTH</b> line and <b>980</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>5998</b>	Producing Formation <b>MESA VERDE</b>	Pool <b>BLANCO MESA VERDE</b>	Dedicated Acreage: <b>320.00</b> 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.  
 Original Signed by  
**D. G. Brisco**

Name

**Drilling Clerk**  
 Position

**El Paso Natural Gas Co.**  
 Company

**January 27, 1976**  
 Date

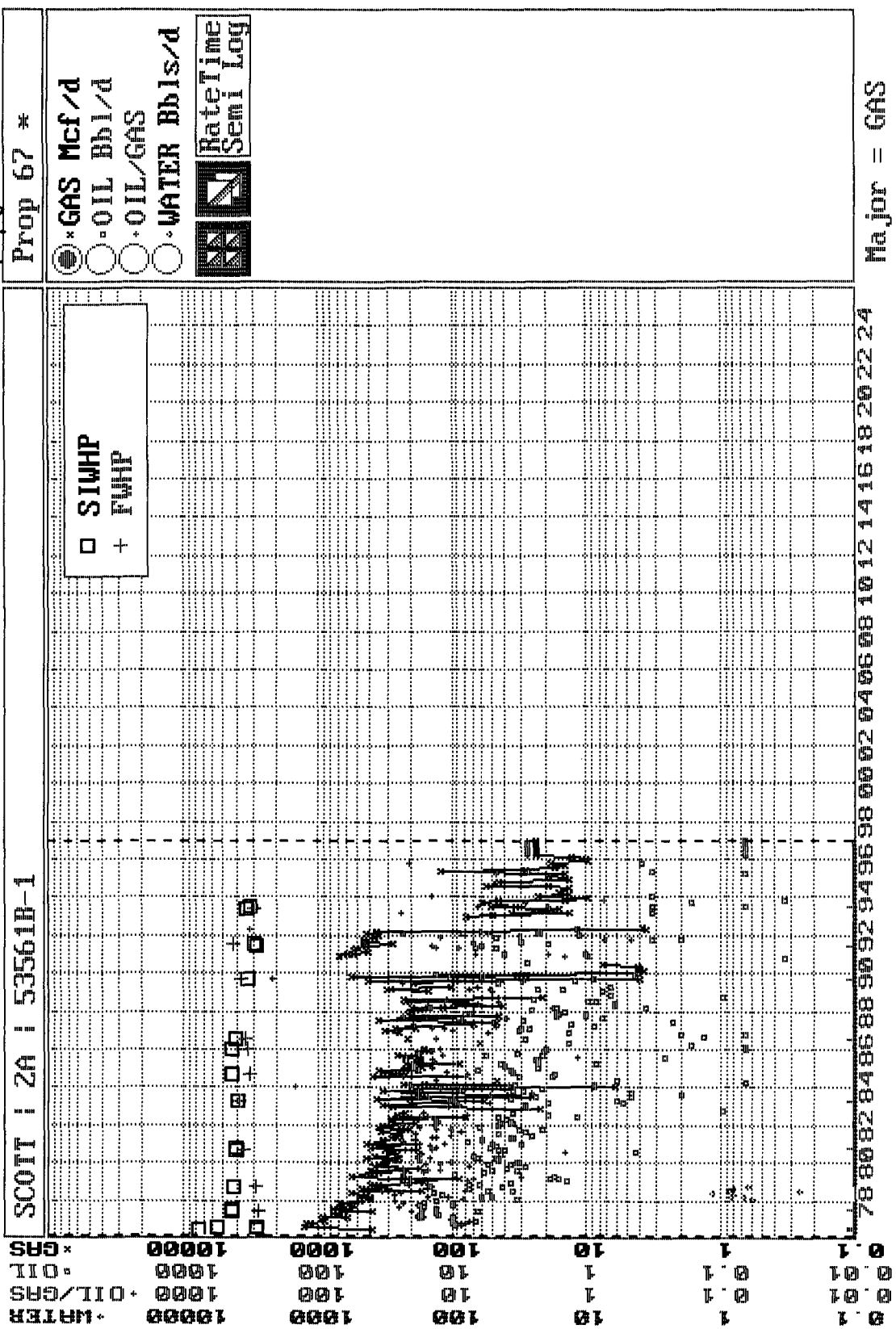
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**JANUARY 6, 1976**

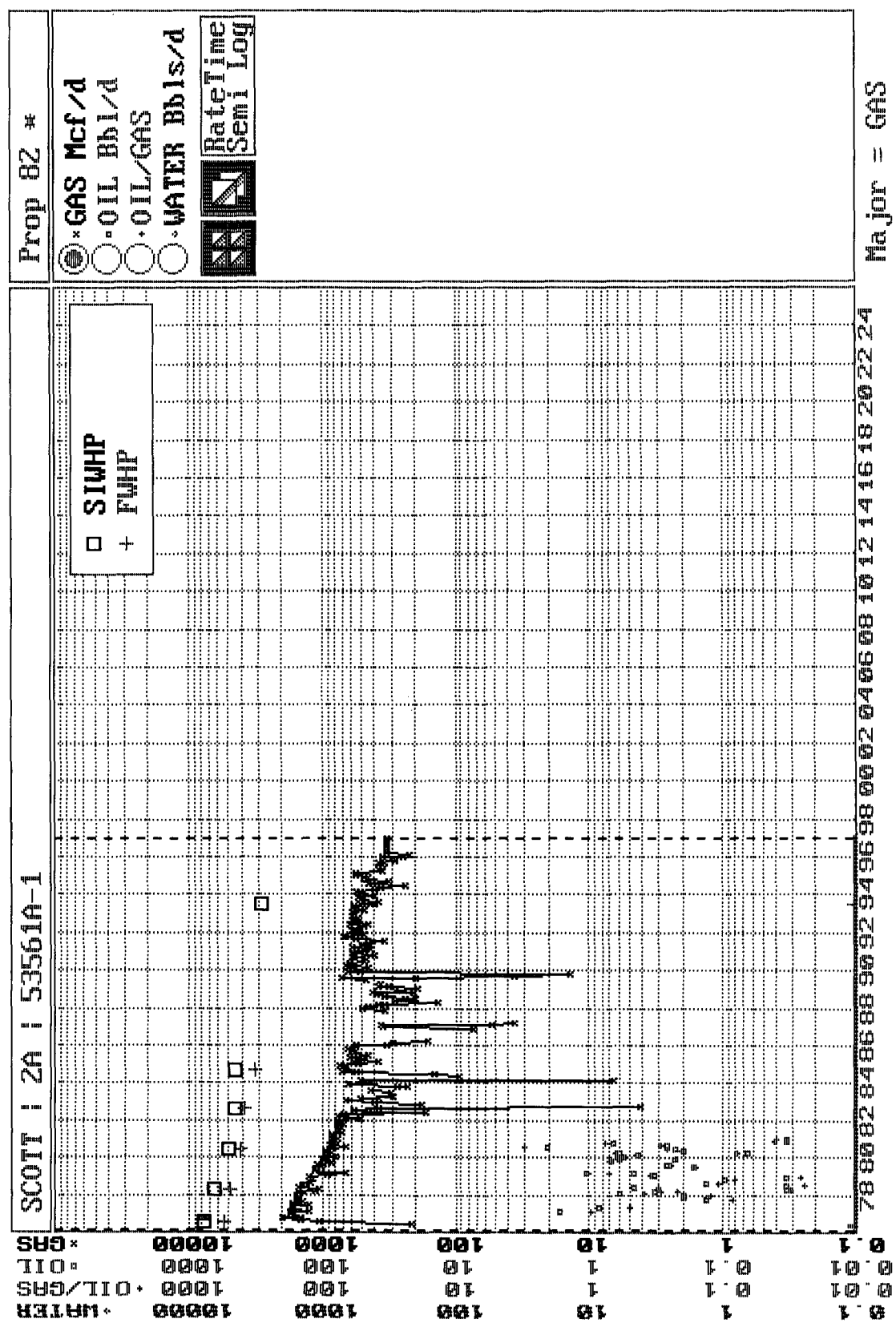
Registered Professional Engineer  
 and/or Land Surveyor

Certificate No. **1760**

MV



PC

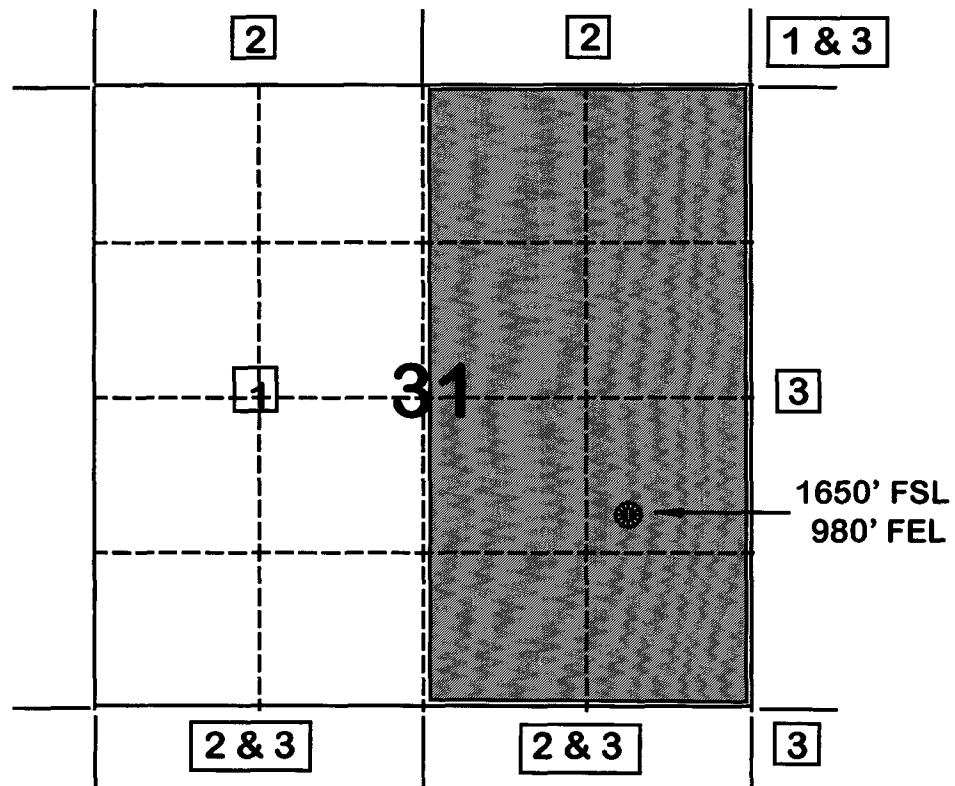


***BURLINGTON RESOURCES OIL AND GAS COMPANY***

**Scott #2A  
OFFSET OPERATOR \ OWNER PLAT**

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

**Township 32 North, Range 10 West**



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
- 2) Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500
- 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	0.66
COND. OR MISC. (C/M)	C
%N2	0.11
%CO2	3.21
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	5416
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	315
BOTTOMHOLE PRESSURE (PSIA)	356.8

SCOTT #2A MESAVERDE - (CURRENT)

**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	0.11
%CO2	3.21
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	5416
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	778
BOTTOMHOLE PRESSURE (PSIA)	889.3

SCOTT #2A MESAVERDE - (ORIGINAL )

MV

Organize Data ScreenGraph Economics Report Plot Utility Quit  
 Browsing: SCOTT | 2A | 53561B-1 Property No.: 67  
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/21/1231  
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
05/31/76	0	778.0
06/01/76	11832	285.0
06/30/76	355	285.0
07/30/76	50085	564.0
06/16/77	336267	437.0
06/30/77	330627	437.0
09/18/78	562148	421.0
09/19/80	783885	416.0
09/28/80	781847	416.0
04/13/83	1006681	393.0
04/30/83	1005694	393.0
08/28/84	1079622	435.0
12/20/85	1179041	447.0
07/28/86	1187534	407.0
07/30/86	1187071	407.0

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

Organize Data ScreenGraph Economics Report Plot Utility Quit  
 Browsing: SCOTT | 2A | 53561B-1 Property No.: 67  
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 21/21/1231  
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
09/18/78	562148	421.0
09/19/80	783885	416.0
09/28/80	781847	416.0
04/13/83	1006681	393.0
04/30/83	1005694	393.0
08/28/84	1079622	435.0
12/20/85	1179041	447.0
07/28/86	1187534	407.0
07/30/86	1187071	407.0
09/19/89	1347567	336.0
09/30/89	1347521	336.0
05/20/91	1483601	290.0
07/09/91	1505549	302.0
05/03/93	1609960	337.0
07/07/93	1620924	315.0

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	0.12
%CO2	2.65
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	5416
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	284
BOTTOMHOLE PRESSURE (PSIA)	323.1

SCOTT #2A PICTURED CLIFFS - (CURRENT )

**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	0.12
%CO2	2.65
%H2S	0
DIAMETER (IN)	1.25
DEPTH (FT)	5416
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	772
BOTTOMHOLE PRESSURE (PSIA)	888.7

SCOTT #2A PICTURED CLIFFS - (ORIGINAL )

PC

Organize Data ScreenGraph Economics Report Plot Utility Quit  
 Browsing: SCOTT | 2A | 53561A-1 Property No.: 82  
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/8/1231  
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP	
	Mcf	Psi	
05/18/76	0	<u>772.0</u>	initial
06/01/76	6581	773.0	
07/30/76	39265	774.0	
04/25/78	1014805	643.0	
07/03/80	1877186	502.0	
08/03/82	2413157	450.0	
08/28/84	2620991	453.0	
07/09/93	3928425	<u>284.0</u>	current

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 53561A

PHS030M1

SCOTT 2A

BLANCO PICTURED CLIFFS (GAS) FIELD

PICTURED CLIFFS ZONE

			DAYS =====		OIL =====		=====		GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F					01	7635	25	1051	15.025			
2	2	F					01	6847	26	1056	15.025			
3	2	F					01	10207	31	1058	15.025			
4	2	F					01	6633	27	1049	15.025			
5	2	F					01	5706	29	1039	15.025			
6	2	F					01	6610	24	1054	15.025			
7	2	F					01	9445	31	1056	15.025			
8	2	F					01	9332	31	1064	15.025			
9	2	F					01	6639	24	1060	15.025			
10	2	F					01	8626	30	1062	15.025			
11	2	F					01	7267	26	1058	15.025			
12	2	F					01	275 McFD 8532	31	1052	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 #14

FARMINGTON

1996 MONTHLY PRODUCTION FOR 53561B

PHS030M1

SCOTT 2A

BLANCO MESAVERDE (PRORATED GAS FIELD)

MESAVERDE ZONE

			DAYS =====		OIL =====		=====		GAS =====					
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F	25	02			01	306	25	1078	15.025			
2	2	F	28	02			01	399	28	1077	15.025			
3	2	F	31	02			01	259	31	1078	15.025			
4	2	F	25	02			01	117	25	1078	15.025			
5	2	F	31	02			01	294	31	1078	15.025			
6	2	F	30	02			01	153	30	1078	15.025			
7	2	F	31	02			01	126	31		15.025			
8	2	F	31	02	5		01	126	31		15.025			
9	2	F	25	02			01	103	25	1100	15.025			
10	2	F	31	02			01	128	31	1100	15.025			
11	2	F	30	02			01	148	30	1100	15.025			
12	2	F	31	02			01	7 McFD 213	31	1100	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 #14

SCOTT #2A  
SECTION 31, T32N, R10W  
MESAVERDE - PICTURED CLIFFS

