

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
Now 3-12-98

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NOBurlington Resources Oil & Gas Company
87499

PO Box 4289, Farmington, NM

Operator

Address

Scott

2A

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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 323 psi (see attachment) (Original) b. 889 psi (see attachment)		a. 357 psi (see attachment) b. 889 psi (see attachment)
6. Oil Gravity ($^{\circ}$ 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 water of recent test (within 60 days)	Date: 12-98 Rates: 275 mcf/d; 0 bopd	Date: Rates:	Date: 12-98 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 ☐ 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
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-120
 Effective 1-1-65

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

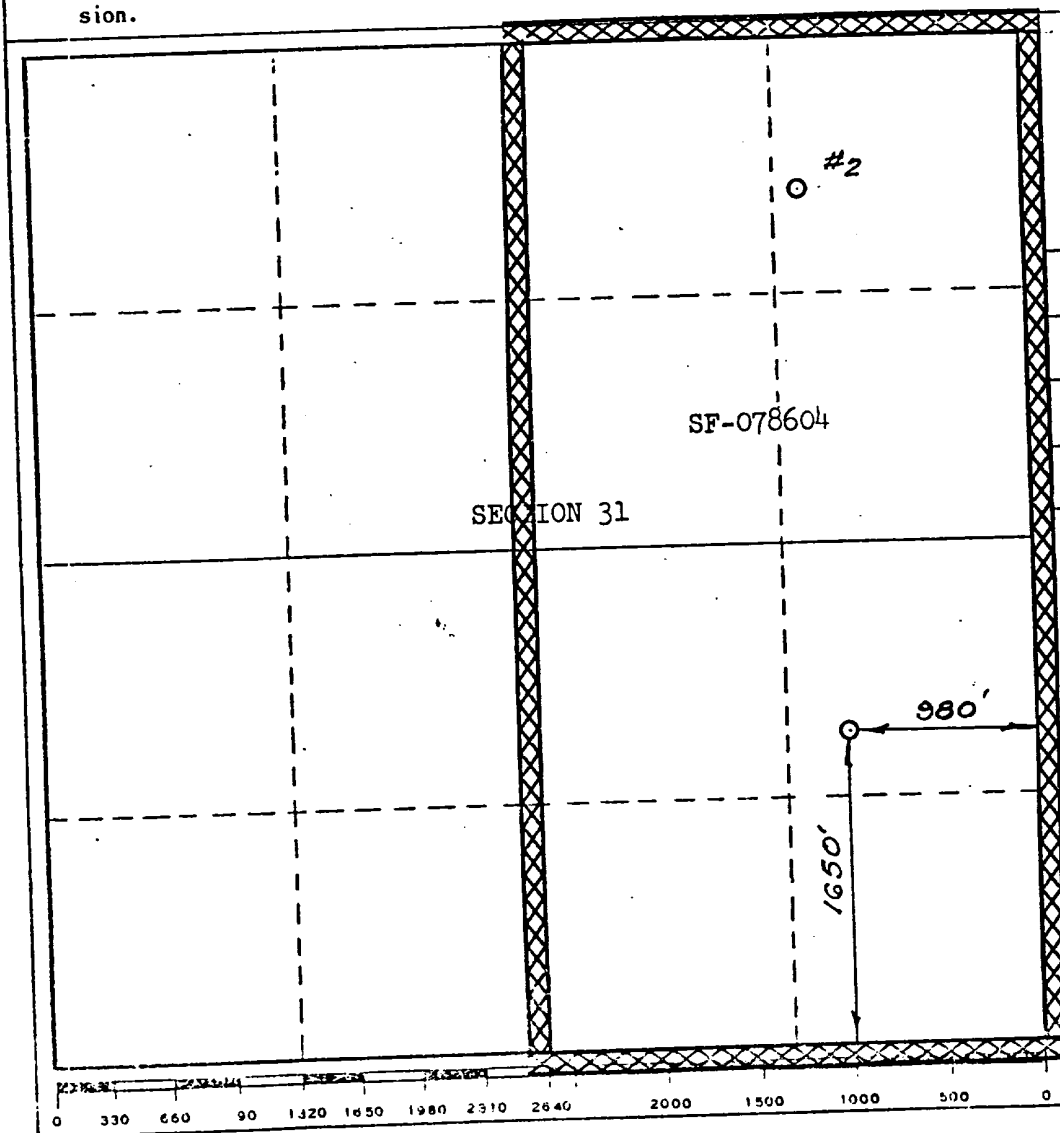
Operator: EL PASO NATURAL GAS COMPANY		Lease SCOTT		(SF-078604)	Well No. 2A
Unit Letter I	Section 31	Township 32-N	Range 10-W	County SAN JUAN	
Actual Footage Location of Well: 1650 feet from the SOUTH line and 980 feet from the EAST line					
Ground Level Elev. 5998	Producing Formation MESA VERDE		Pool BLANCO MESA VERDE		Dedicated Acreage: 320.00 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 the notes of actual surveys made by me 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 EL PASO NATURAL GAS COMPANY		Lease SCOTT (SF-078604)		Well No. 2A
Unit Letter I	Section 31	Township 32-N	Range 10-W	County SAN JUAN
Actual Footage Location of Well: 1650 feet from the SOUTH line and 980 feet from the EAST line				
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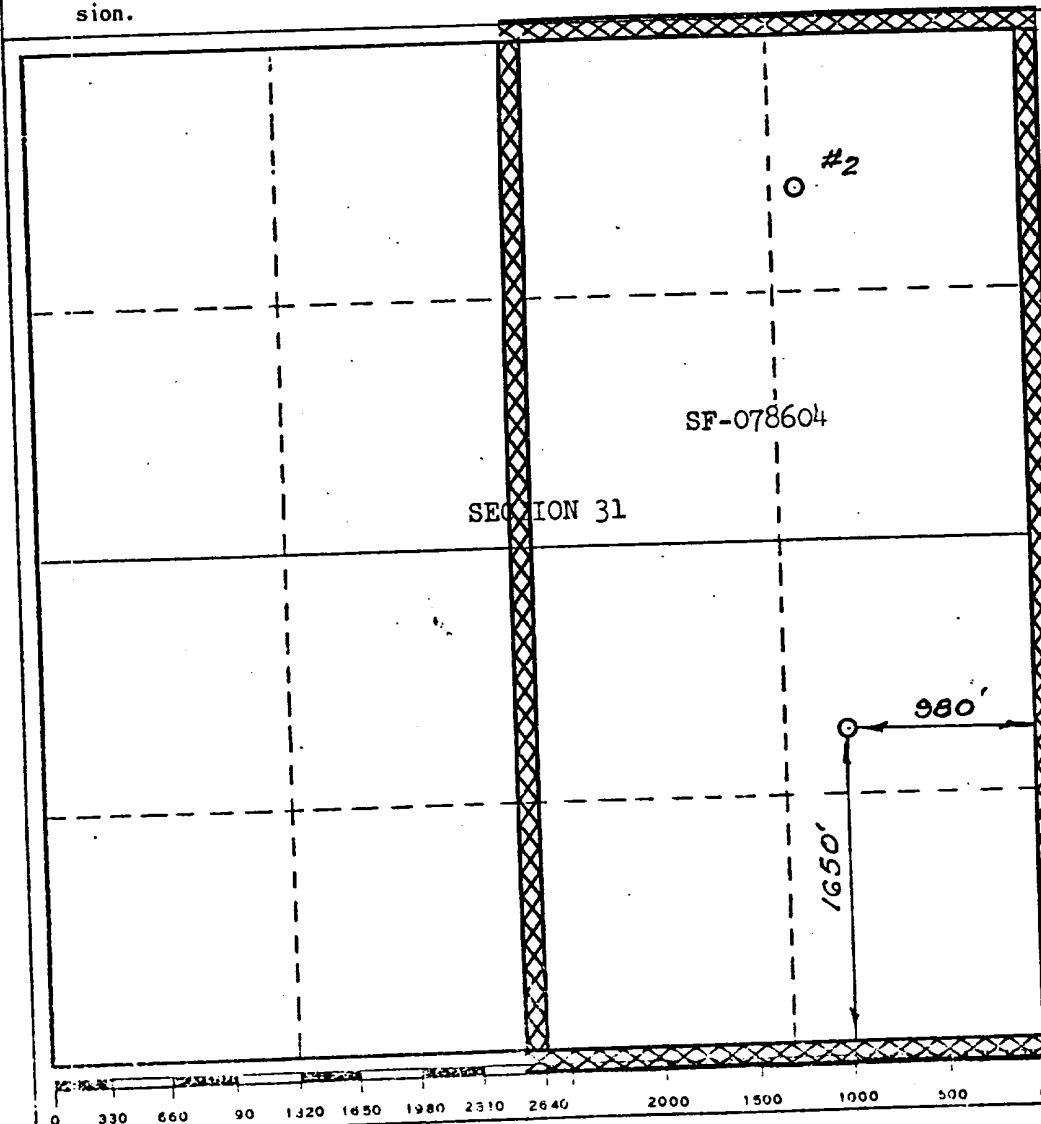
January 27, 1976
 Date _____

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.

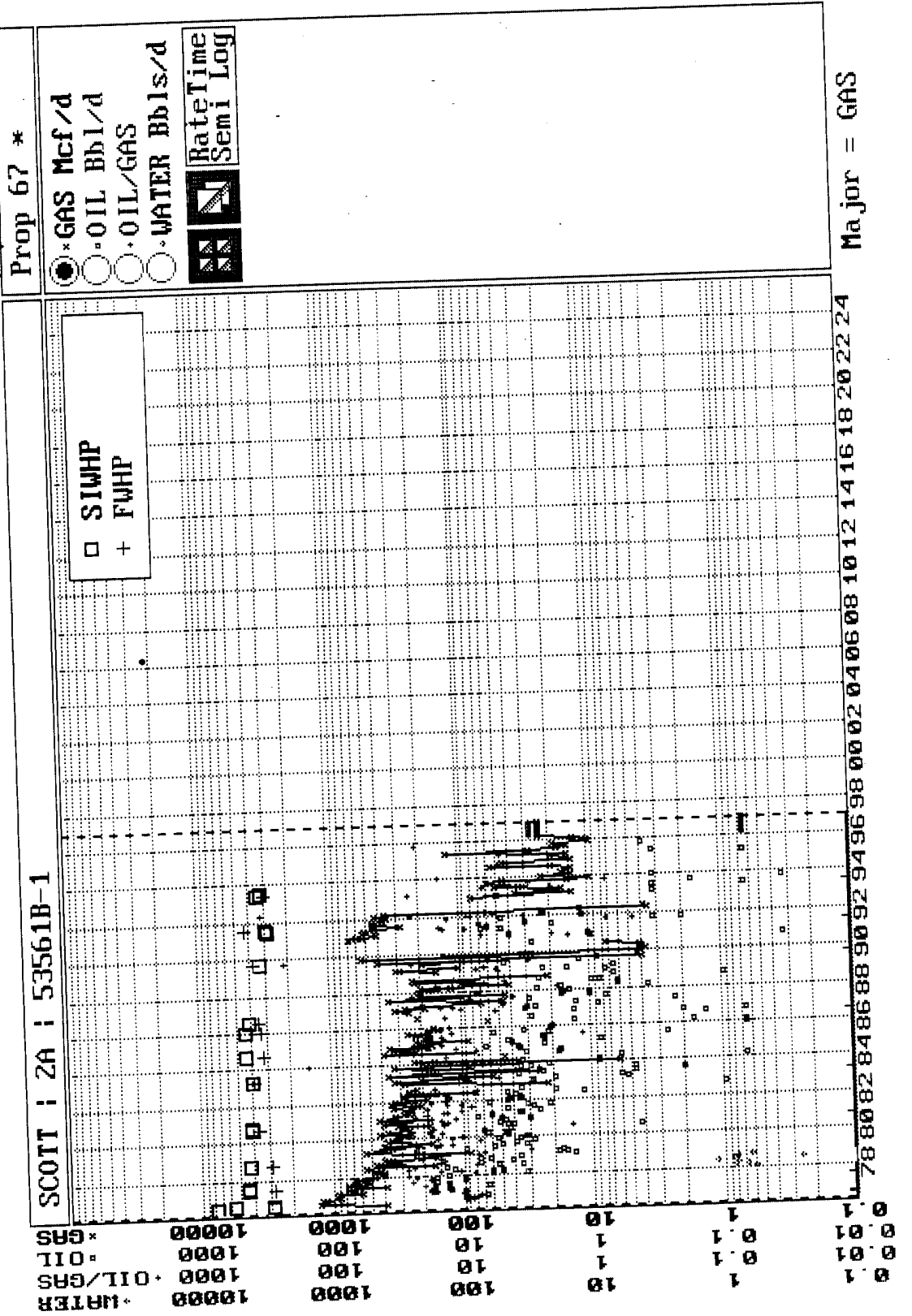
Date Surveyed
JANUARY 6, 1976

Registered Professional Engineer
 and/or Land Surveyor
[Signature]

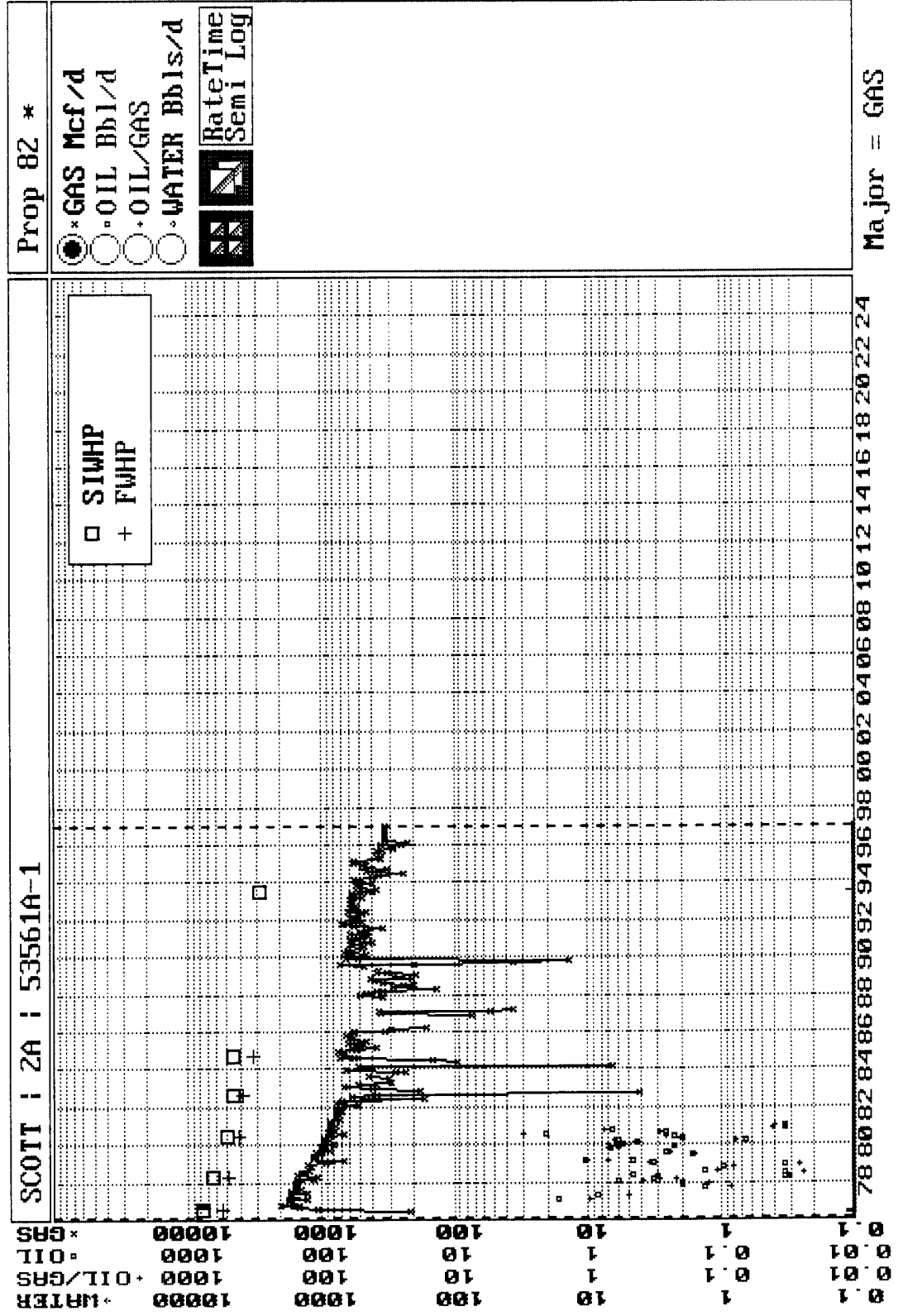
Certificate No. **1760**



MV



PC

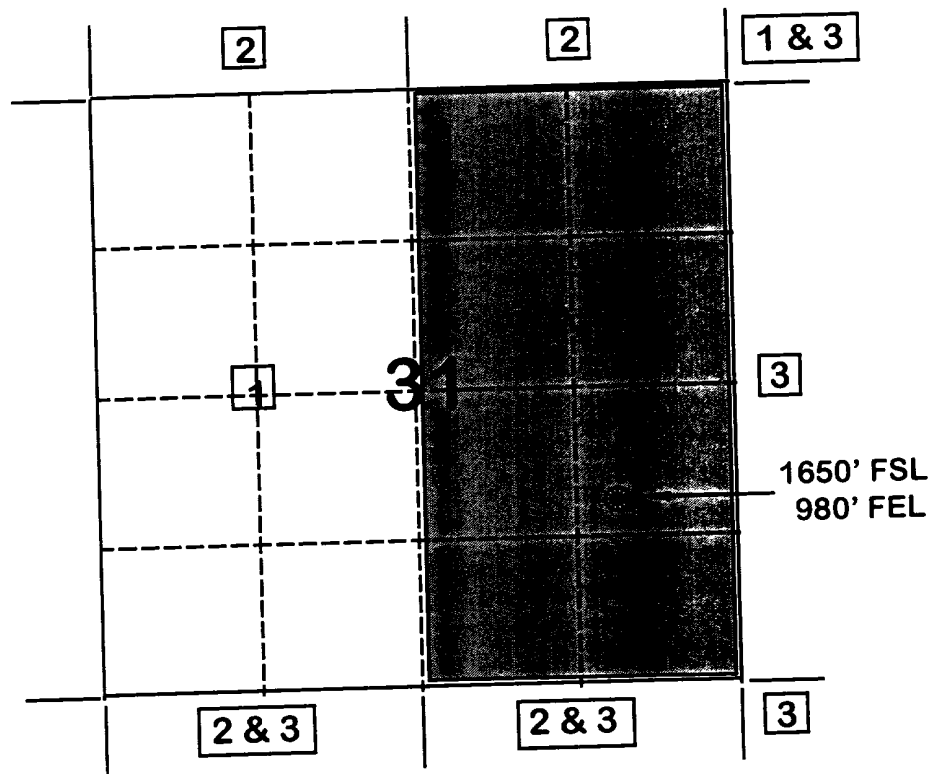


BURLINGTON RESOURCES OIL AND GAS COMPANY

**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	<u>0.66</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.11</u>
%CO2	<u>3.21</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.4</u>
DEPTH (FT)	<u>5416</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>315</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>356.8</u>

SCOTT #2A MESAVERDE - (CURRENT)

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

VERSION 10/3/13/54

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-- Mcf	M SIWHP 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-- Mcf	M SIWHP 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	<u>0.66</u>
COND. OR MISC. (C/M)	<u>C</u>
%N ₂	<u>0.12</u>
%CO ₂	<u>2.65</u>
%H ₂ S	<u>0</u>
DIAMETER (IN)	<u>1.25</u>
DEPTH (FT)	<u>5416</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>110</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>284</u>
BOTTOMHOLE PRESSURE (PSIA)	323.1

SCOTT #2A PICTURED CLIFFS - (CURRENT)

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

VERSION 10/3/13/94

GAS GRAVITY	0.66
COND. OR MISC. (C/M)	C
%N2	0.12
%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	772.0	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	284.0	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
SCOTT 2A
BLANCO PICTURED CLIFFS (GAS) FIELD

1996 MONTHLY PRODUCTION FOR 53561A

PHS030M

PICTURED CLIFFS ZONE

MO	T	S	DAYS	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD
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
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
SCOTT 2A
BLANCO MESAVERDE (PRORATED GAS) FIELD

1996 MONTHLY PRODUCTION FOR 53561B

PHS030M

MESAVERDE ZONE

MO	T	S	DAYS	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD
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
PF10 - HELP INFORMATION

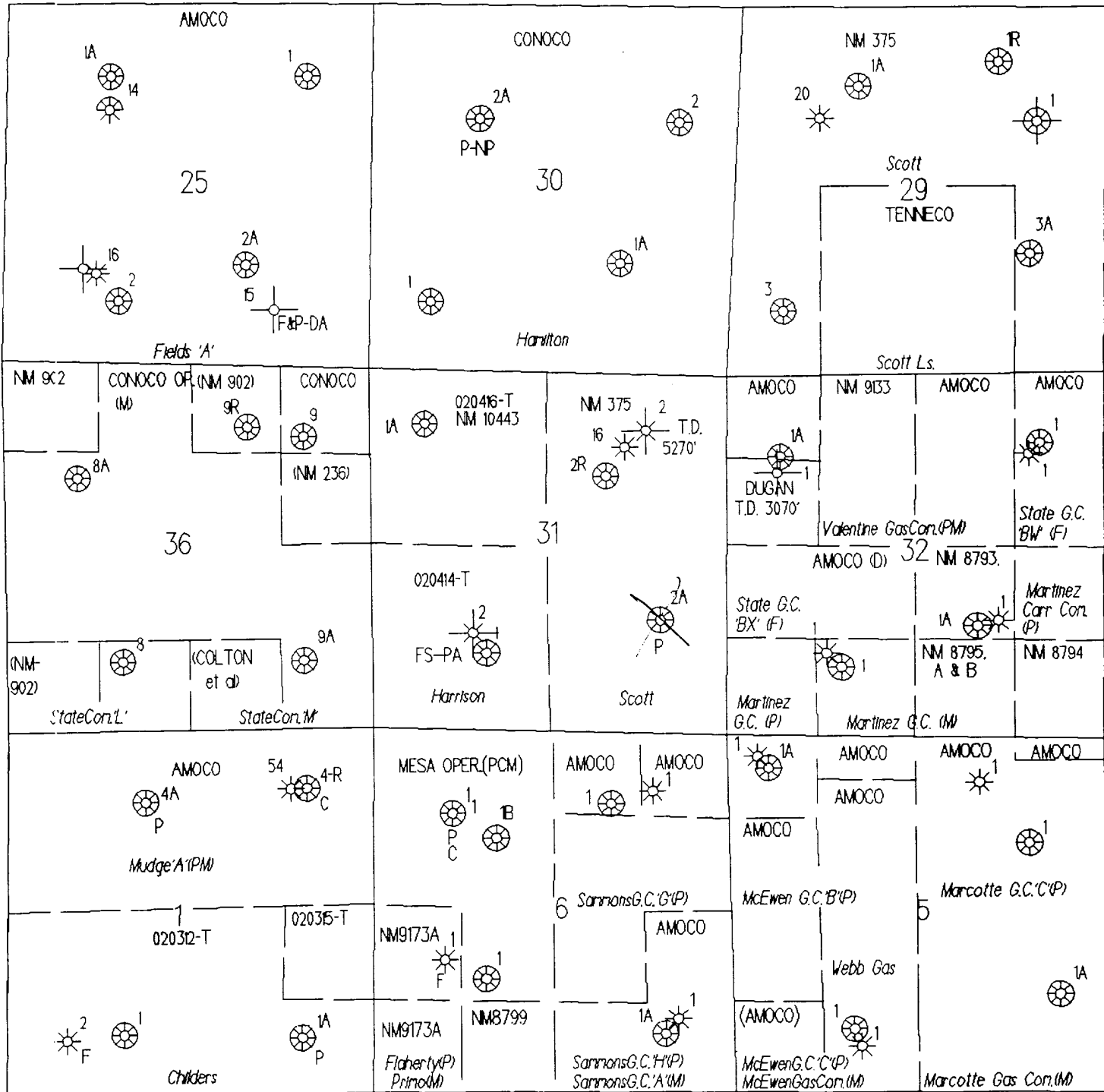
PF3 - TRANSFER TO UPDATE
PF9 - DISPLAY MONTHLY INJECTION
PRS 02/05/97

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

B MY JOB

NUM LU #14

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



R-II-W

R-10-W