

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429
APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
Revised March 17, 1999
APPROVAL PROCESS:
 Administrative Hearing
EXISTING WELLBORE
 YES NO

BURLINGTON RESOURCES OIL & GAS COMPANY PO Box 4289, Farmington, NM 87499
Operator Address

Frontier E 1E G, Sec 4, T27N, R11W San Juan
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

OGRID NO. 14538 Property Code 18527 API NO. 30-045-2410200 Federal State (and/or) Fee

The following information is provided in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Kutz Gallup - 36550		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	5812' - 5994'		6556' - 6644'
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. 335 psia @ 5903' (Original) b. 2301 psia @ 5903'	RECEIVED MAY 21 1999 OIL CON. DIV. DIST. 3	a. 317 psia @ 6600' b. 1461 psia @ 6600'
6. Oil Gravity (EAPI) or Gas BTU Content	1210 BTU		1210 BTU
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date 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: 03/31/99 Rates: 42 MCFD 3 BOD, 0 BWD	Date: Rates:	Date: 03/31/99 Rates: 129 MCFD, 0.5 BOD, 0.3 BWD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: Will supply for commingling	Oil: % Gas: %	Oil: Gas: Will supply for commingling

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 Timothy J. Friesenhahn TITLE Operations Engineer DATE 05-12-99

TYPE OR PRINT NAME Timothy J. Friesenhahn TELEPHONE NO. (505) 326-9700

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED 17. 1982
JAN - 7 1982

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

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

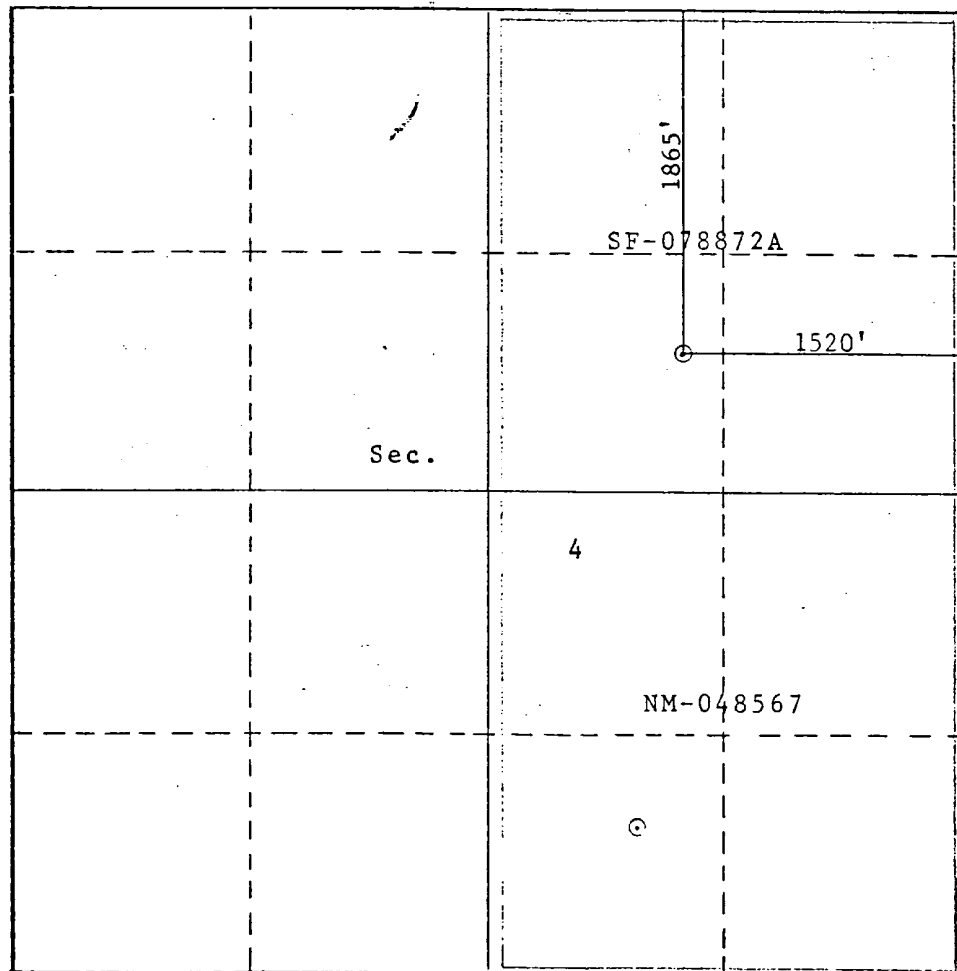
Operator SOUTHLAND ROYALTY COMPANY		Lease FRONTIER "E"		PRODUCTION		Well No. 1-E
Unit Letter G	Section 4	Township 27N	Range 11W	County San Juan		
Actual Footage Location of Well: 1865 feet from the North line and 1520 feet from the East line						
Ground Level Elev. 6155'	Producing Formation Dakota/Gallup		Pool Basin/Kutz		Dedicated Acreage: 320 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 Communitized

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.

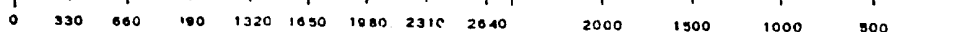
R. E. Fielder

Name	R. E. Fielder
Position	District Engineer
Company	Southland Royalty Company
Date	January 4, 1982

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	
Registered Professional Engineer and/or Land Surveyor	

Certificate No.	
-----------------	--



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.

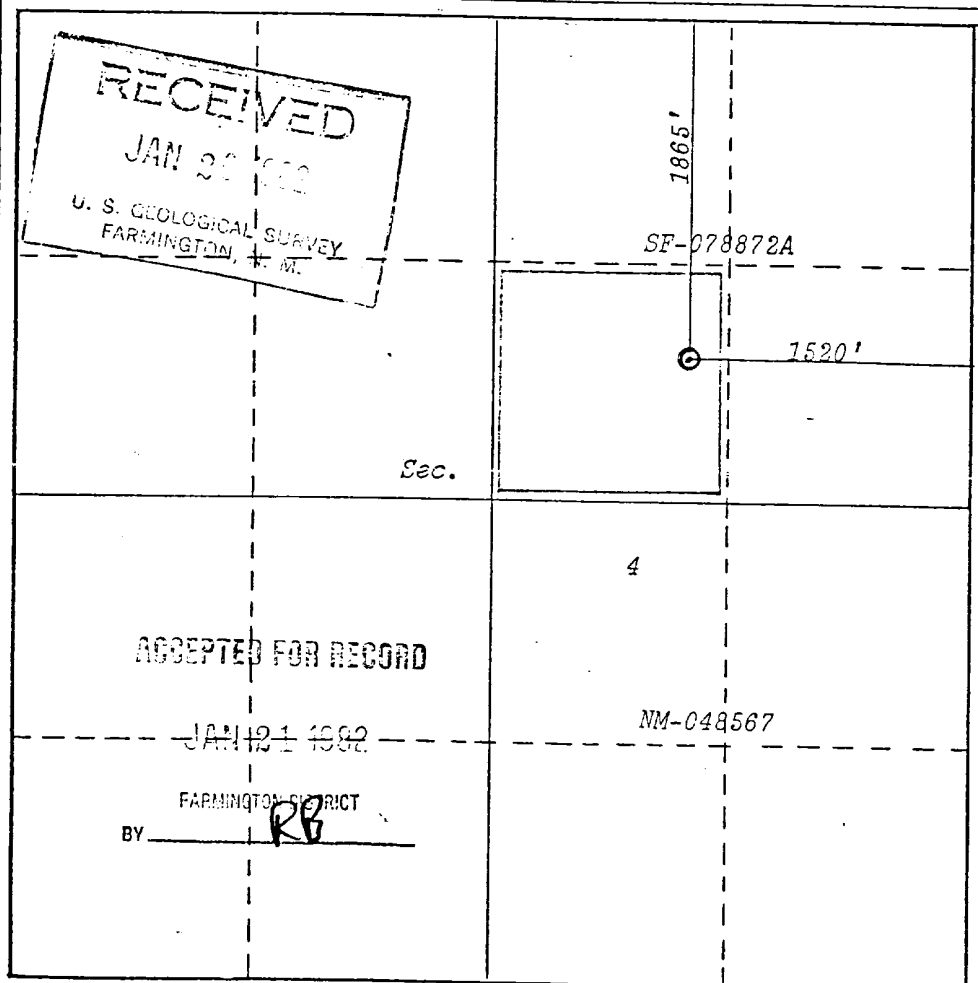
Operator SOUTHLAND ROYALTY COMPANY			Lease Frontier "E"		Well No. 1-E
Unit Letter G	Section 4	Township 27N	Range 11W	County San Juan	
Actual Footage Location of Well: 1865 feet from the North line and 1520 feet from the East line					
Ground Level Elev. 6155'	Producing Formation Gallup		Pool Kutz	Dedicated Acreage: 40 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 Communitization

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.	
<i>R. E. Fielder</i>	
Name	R. E. Fielder
Position	District Engineer
Company	Southland Royalty Company
Date	January 18, 1982
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	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	



OPERATOR

*OIL 100
 *WATER/GAS 1
 *GAS 100
 *WATER 100
 0.1
 0.01
 1
 10
 100
 0.1
 0.01
 1
 10
 100
 0.1
 0.01
 1
 10
 100

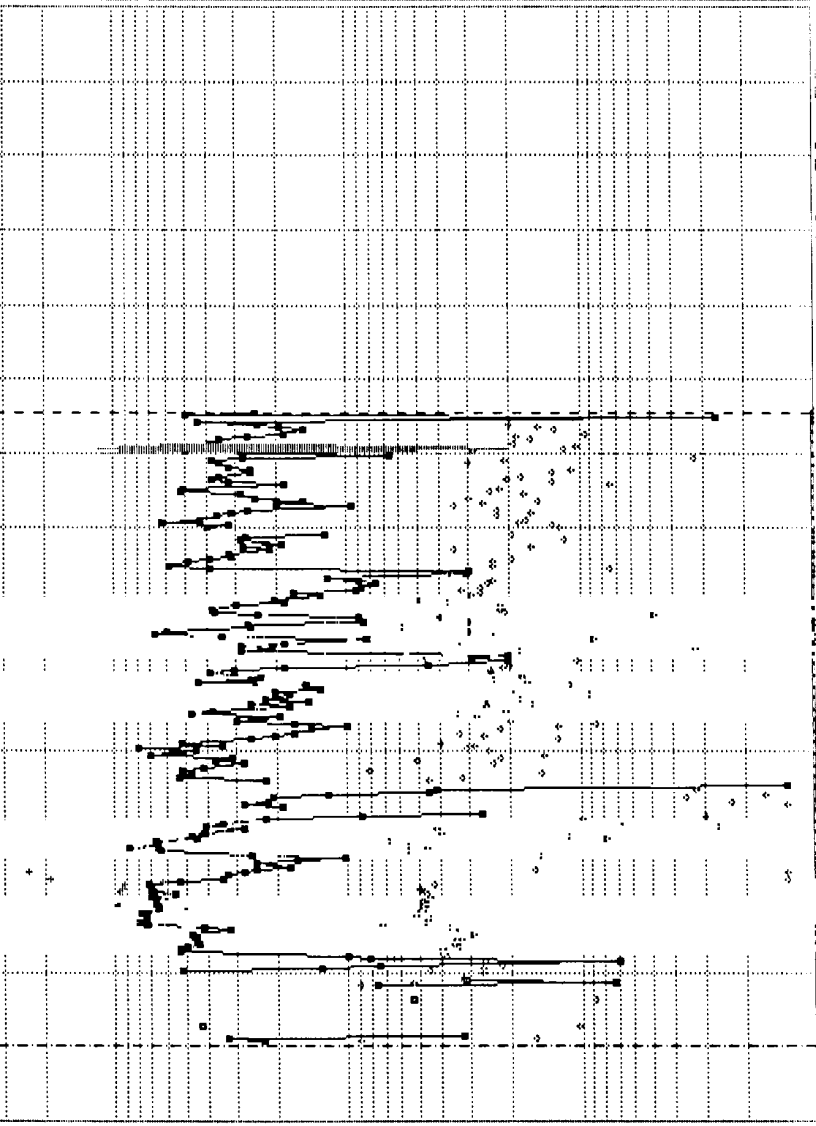
FRONTIER E : 1E : 21786-1

Gallup

Prop 171 *

*WATER Bbls/d
 *GAS Mcf/d
 *WATER/GAS
 *OIL Bbl/d
 Rate Time
 Semi Log

— DAILY RATE
 — TBG PRESSURE



Major = GAS

• OIL
• WATER/GAS
• GAS
• WATER

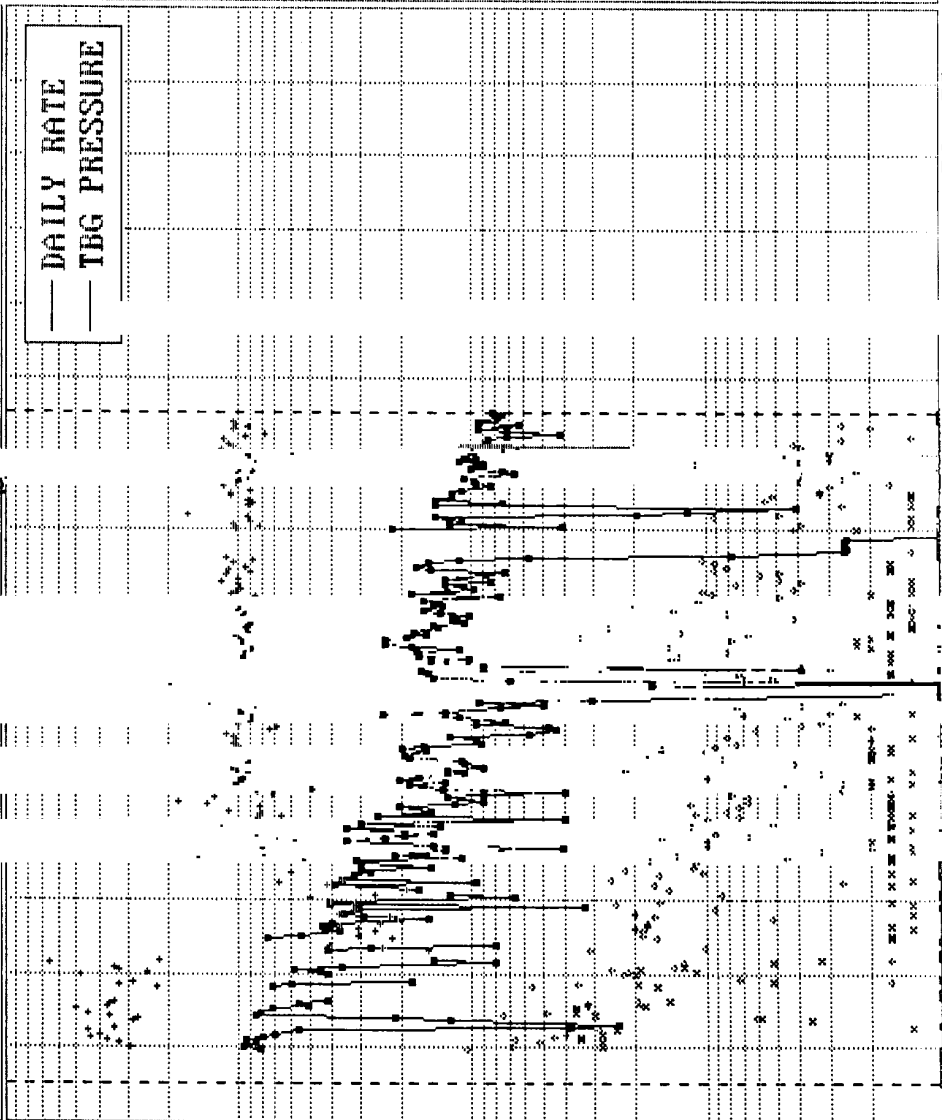
FRONTIER E : 1E : 21785-1

Dakota

— DAILY RATE
— TBG PRESSURE

- • WATER Bbls/d
 - • GAS Mcf/d
 - • WATER/GAS
 - • OIL Bbl/d
- RateTime
Semi Log

Prop 170 *



Major = GAS

Page No.: 3
Print Time: Mon May 03 13:07:27 1999
Property ID: 7802
Property Name: NAGEEZI | 5 | 45685A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF

GL-DK

Offset well for
Frontier E#1E-GL

--DATE-- ---CUM_GAS-- M SIWHP
Mcf Psi

02/12/80	0	1848.0
01/20/81	17127	1280.0
07/20/81	76575	1084.0
06/04/82	180024	1031.0
10/12/83	282328	1259.0
05/06/93	1588956	668.0
3/31/99	2130473	285.

Original

CURRENT BASED ON CUM GAS VS PRESSURE CURVE

Page No.: 1

Print Time: Thu Apr 29 10:43:16 1999

Property ID: 170

Property Name: FRONTIER E | 1E | 21785-1 *Dakota*

Table Name: S:\JSMITH\ARIES\99WORK\TEST.DBF

<u>--DATE--</u>	<u>---CUM_GAS---</u>	<u>M SIWHP</u>
	<u>Mcf</u>	<u>Psi</u>

12/19/80	0	1211.0
05/04/82	153865	708.0
10/12/83	345551	573.0
06/12/85	525274	479.0
05/31/88	757461	686.0
05/08/90	856763	457.0
07/01/92	921690	468.0

Original

3/31/99	1171227	270
---------	---------	-----

Current Based on CumGAS vs Pressure Curve

Frontier E #1E
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method

Version 1.0 3/13/94

Gallup	Dakota																																																
<u>GL-Current</u>	<u>DK-Current</u>																																																
<table style="width: 100%; border-collapse: collapse;"> <tr><td>GAS GRAVITY</td><td style="text-align: right;">0.76</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right;"><u>M</u></td></tr> <tr><td>%N2</td><td style="text-align: right;"><u>1.12</u></td></tr> <tr><td>%CO2</td><td style="text-align: right;"><u>0.65</u></td></tr> <tr><td>%H2S</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right;"><u>6.366</u></td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right;"><u>5903</u></td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>60</u></td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>133</u></td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right;"><u>285</u></td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right;"><u>334.9</u></td></tr> </table>	GAS GRAVITY	0.76	COND. OR MISC. (C/M)	<u>M</u>	%N2	<u>1.12</u>	%CO2	<u>0.65</u>	%H2S	<u>0</u>	DIAMETER (IN)	<u>6.366</u>	DEPTH (FT)	<u>5903</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>133</u>	FLOWRATE (MCFPD)	<u>0</u>	SURFACE PRESSURE (PSIA)	<u>285</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>334.9</u>	<table style="width: 100%; border-collapse: collapse;"> <tr><td>GAS GRAVITY</td><td style="text-align: right;">0.686</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right;"><u>M</u></td></tr> <tr><td>%N2</td><td style="text-align: right;"><u>0.48</u></td></tr> <tr><td>%CO2</td><td style="text-align: right;"><u>1.11</u></td></tr> <tr><td>%H2S</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right;"><u>6.366</u></td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right;"><u>6600</u></td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>60</u></td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>142</u></td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right;"><u>270</u></td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right;"><u>316.5</u></td></tr> </table>	GAS GRAVITY	0.686	COND. OR MISC. (C/M)	<u>M</u>	%N2	<u>0.48</u>	%CO2	<u>1.11</u>	%H2S	<u>0</u>	DIAMETER (IN)	<u>6.366</u>	DEPTH (FT)	<u>6600</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>142</u>	FLOWRATE (MCFPD)	<u>0</u>	SURFACE PRESSURE (PSIA)	<u>270</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>316.5</u>
GAS GRAVITY	0.76																																																
COND. OR MISC. (C/M)	<u>M</u>																																																
%N2	<u>1.12</u>																																																
%CO2	<u>0.65</u>																																																
%H2S	<u>0</u>																																																
DIAMETER (IN)	<u>6.366</u>																																																
DEPTH (FT)	<u>5903</u>																																																
SURFACE TEMPERATURE (DEG F)	<u>60</u>																																																
BOTTOMHOLE TEMPERATURE (DEG F)	<u>133</u>																																																
FLOWRATE (MCFPD)	<u>0</u>																																																
SURFACE PRESSURE (PSIA)	<u>285</u>																																																
BOTTOMHOLE PRESSURE (PSIA)	<u>334.9</u>																																																
GAS GRAVITY	0.686																																																
COND. OR MISC. (C/M)	<u>M</u>																																																
%N2	<u>0.48</u>																																																
%CO2	<u>1.11</u>																																																
%H2S	<u>0</u>																																																
DIAMETER (IN)	<u>6.366</u>																																																
DEPTH (FT)	<u>6600</u>																																																
SURFACE TEMPERATURE (DEG F)	<u>60</u>																																																
BOTTOMHOLE TEMPERATURE (DEG F)	<u>142</u>																																																
FLOWRATE (MCFPD)	<u>0</u>																																																
SURFACE PRESSURE (PSIA)	<u>270</u>																																																
BOTTOMHOLE PRESSURE (PSIA)	<u>316.5</u>																																																
<u>GL-Original</u>	<u>DK-Original</u>																																																
<table style="width: 100%; border-collapse: collapse;"> <tr><td>GAS GRAVITY</td><td style="text-align: right;">0.76</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right;"><u>M</u></td></tr> <tr><td>%N2</td><td style="text-align: right;"><u>1.12</u></td></tr> <tr><td>%CO2</td><td style="text-align: right;"><u>0.65</u></td></tr> <tr><td>%H2S</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right;"><u>6.366</u></td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right;"><u>5903</u></td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>60</u></td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>133</u></td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right;"><u>1848</u></td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right;"><u>2300.8</u></td></tr> </table>	GAS GRAVITY	0.76	COND. OR MISC. (C/M)	<u>M</u>	%N2	<u>1.12</u>	%CO2	<u>0.65</u>	%H2S	<u>0</u>	DIAMETER (IN)	<u>6.366</u>	DEPTH (FT)	<u>5903</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>133</u>	FLOWRATE (MCFPD)	<u>0</u>	SURFACE PRESSURE (PSIA)	<u>1848</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>2300.8</u>	<table style="width: 100%; border-collapse: collapse;"> <tr><td>GAS GRAVITY</td><td style="text-align: right;">0.686</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right;"><u>M</u></td></tr> <tr><td>%N2</td><td style="text-align: right;"><u>0.48</u></td></tr> <tr><td>%CO2</td><td style="text-align: right;"><u>1.11</u></td></tr> <tr><td>%H2S</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right;"><u>6.366</u></td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right;"><u>6600</u></td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>60</u></td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right;"><u>142</u></td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right;"><u>0</u></td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right;"><u>1211</u></td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right;"><u>1460.9</u></td></tr> </table>	GAS GRAVITY	0.686	COND. OR MISC. (C/M)	<u>M</u>	%N2	<u>0.48</u>	%CO2	<u>1.11</u>	%H2S	<u>0</u>	DIAMETER (IN)	<u>6.366</u>	DEPTH (FT)	<u>6600</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>142</u>	FLOWRATE (MCFPD)	<u>0</u>	SURFACE PRESSURE (PSIA)	<u>1211</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>1460.9</u>
GAS GRAVITY	0.76																																																
COND. OR MISC. (C/M)	<u>M</u>																																																
%N2	<u>1.12</u>																																																
%CO2	<u>0.65</u>																																																
%H2S	<u>0</u>																																																
DIAMETER (IN)	<u>6.366</u>																																																
DEPTH (FT)	<u>5903</u>																																																
SURFACE TEMPERATURE (DEG F)	<u>60</u>																																																
BOTTOMHOLE TEMPERATURE (DEG F)	<u>133</u>																																																
FLOWRATE (MCFPD)	<u>0</u>																																																
SURFACE PRESSURE (PSIA)	<u>1848</u>																																																
BOTTOMHOLE PRESSURE (PSIA)	<u>2300.8</u>																																																
GAS GRAVITY	0.686																																																
COND. OR MISC. (C/M)	<u>M</u>																																																
%N2	<u>0.48</u>																																																
%CO2	<u>1.11</u>																																																
%H2S	<u>0</u>																																																
DIAMETER (IN)	<u>6.366</u>																																																
DEPTH (FT)	<u>6600</u>																																																
SURFACE TEMPERATURE (DEG F)	<u>60</u>																																																
BOTTOMHOLE TEMPERATURE (DEG F)	<u>142</u>																																																
FLOWRATE (MCFPD)	<u>0</u>																																																
SURFACE PRESSURE (PSIA)	<u>1211</u>																																																
BOTTOMHOLE PRESSURE (PSIA)	<u>1460.9</u>																																																

Cumulative Monthly Well Report

November 1998 -- April 1999

Select By : Completions
Sort By :

Page No : 1
Report Number : R_290
Last Update :
Print Date : 04/29/1999, 10:04:06

Completion	Date	Cur Oil	Cum Oil	Cur Gas	Cum Gas	Cur Wat	Cum Wat
FRONTIER E 1E	11/30/1998	11.87	27.28	2,848.13	2,848.13	2.79	2.79
	12/31/1998	4.05	31.33	2,412.52	5,260.65	2.36	5.15
	01/31/1999	19.11	50.44	2,344.87	7,605.52	2.30	7.45
	02/28/1999	18.98	69.42	2,537.01	10,142.53	2.49	9.94
	03/31/1999	14.74	84.16	4,002.67	14,145.20	8.58	18.52
	04/30/1999	0.00	84.16	0.00	14,145.20	0.00	18.52
	11/30/1998	16.58	71.49	1,350.63	1,350.63	0.00	0.00
	12/31/1998	0.00	71.49	166.56	1,517.19	0.00	0.00
	01/31/1999	81.09	152.58	1,618.49	3,135.68	0.00	0.00
	02/28/1999	64.28	216.86	881.58	4,017.26	0.00	0.00
03/31/1999	91.24	308.10	1,293.98	5,311.24	3.49	3.49	
04/30/1999	0.00	308.10	0.00	5,311.24	0.00	3.49	

DK

GL

FARMINGTON
FRONTIER E 1E
KUTZ (GALLUP) FIELD

1998 MONTHLY PRODUCTION FOR 21786

PHS030M1

GALLUP ZONE

DAYS =====				OIL =====			===== GAS =====							
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	1	F	31	00	88	53.0	03	1516	31	1188	15.025			
2	1	F	28	00	36		03	1360	28	1188	15.025			
3	1	F	31	00	32	47.6	03	1192	31	1188	15.025			
4	1	F	30	00	59		03	1186	30	1188	15.025			
5	1	F	31	00	50		03	1087	31	1188	15.025			
6	1	F	30	00	57	40.7	03	805	30	1188	15.025			
7	1	F	17	00	29		03	574	17	1188	15.025			
8	1	F	21	00	39		03	474	21	1188	15.025			
9	1	F	30	00	46		03	596	30	1188	15.025			
10	1	F	31	00	62	42.0	03	734	31	1188	15.025			
11	1	F					03	1327		1188	15.025			
12														

PF6 - RETURNS TO ANNUAL DISPLAY
PF10 - HELP INFORMATION

PF3 - TRANSFER TO UPDATE
PF9 - DISPLAY MONTHLY INJECTION
PRS 01/06/99

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

FARMINGTON

ANNUAL PRODUCTION FOR 21786

PHS020M1

FRONTIER E 1E

KUTZ (GALLUP) FIELD

GALLUP ZONE

===== OIL CUM =====

===== GAS CUM =====

===== WATER CUM =====

PC DATE BBLs

PC DATE MCF

DATE BBLs

=====

YEAR	OIL	OIL CUM	GAS	GAS CUM	WATER	WATER CUM
1991	628	8536	8456	110162		31
1992	825	9361	6253	116415		31
1993	884	10245	11582	127997		31
1994	856	11101	6108	134105		31
1995	420	11521	9959	144064		31
1996	787	12308	11631	155695		31
1997	489	12797	11234	166929		31
1998	498	13295	10851	177780		31

3/31/99

190,598

POSITION CURSOR BY YEAR AND PRESS ENTER TO DISPLAY MONTHLY PRODUCTION

ENTER - CONTINUES ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF6 - RETURN TO WELL-INFO DISPLAY

PF9 - ANNUAL INJECTION DISPLAY

PF10 - HELP INFORMATION

FARMINGTON

ANNUAL PRODUCTION FOR 21785

PHS020M1

FRONTIER E 1E

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

===== OIL CUM =====

===== GAS CUM =====

===== WATER CUM =====

PC DATE

BBL'S

PC DATE

MCF

DATE

BBL'S

YEAR	OIL	OIL CUM	GAS	GAS CUM	WATER	WATER CUM
1991	97	4908	18805	896084	19	1667
1992	253	5161	54352	950436	54	1721
1993	392	5553	52875	1003311	52	1773
1994	258	5811	45008	1048319	46	1819
1995	77	5888	17414	1065733	17	1836
1996	111	5999	32363	1098096	31	1867
1997	132	6131	34946	1133042	34	1901
1998	68	6199	26888	1159930	28	1929

2/31/99

1171227

POSITION CURSOR BY YEAR AND PRESS ENTER TO DISPLAY MONTHLY PRODUCTION

ENTER - CONTINUES ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF6 - RETURN TO WELL-INFO DISPLAY

PF9 - ANNUAL INJECTION DISPLAY

PF10 - HELP INFORMATION

Allocation

DK 1,167,040 87%

CL 180,030 13%

1,347,070

FARMINGTON

1998 MONTHLY PRODUCTION FOR 21785

PHS030M1

FRONTIER E 1E

Basin DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

		DAYS =====			OIL =====			GAS =====					
MO	T S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2 F	31	02	9		01	3030	31	1146	15.025		3	
2	2 F	28	02	3		01	2535	28	1146	15.025		3	
3	2 F	31	02	12	54.3	01	2840	31	1146	15.025		3	
4	2 F	30	02	13		01	2682	30	1146	15.025		3	
5	2 F	31	02	8		01	2593	31	1146	15.025		3	
6	2 F	30	02	4	53.5	01	2151	30	1146	15.025		2	
7	2 F	15	02	3		01	1276	15	1146	15.025		1	
8	2 F	21	02	2		01	2838	21	1146	15.025		3	
9	2 F	30	02	6		01	2174	30	1146	15.025		2	
10	2 F	31	02	8		01	1923	31	1146	15.025		2	
11	2 F					01	2846		1146	15.025		3	
12													

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

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

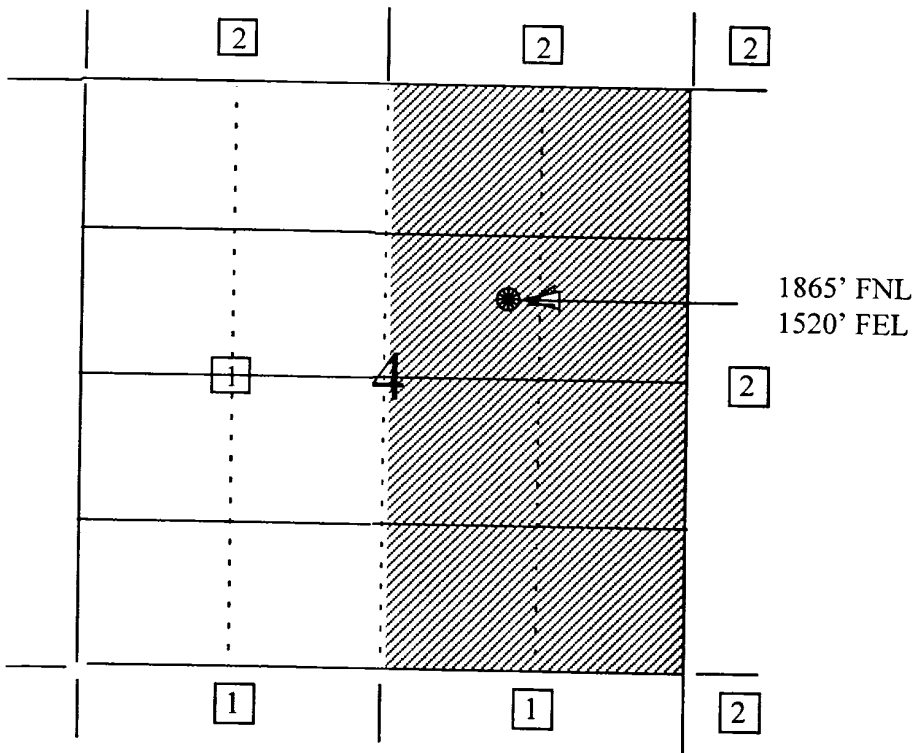
PRS 01/06/99

BURLINGTON RESOURCES OIL AND GAS COMPANY

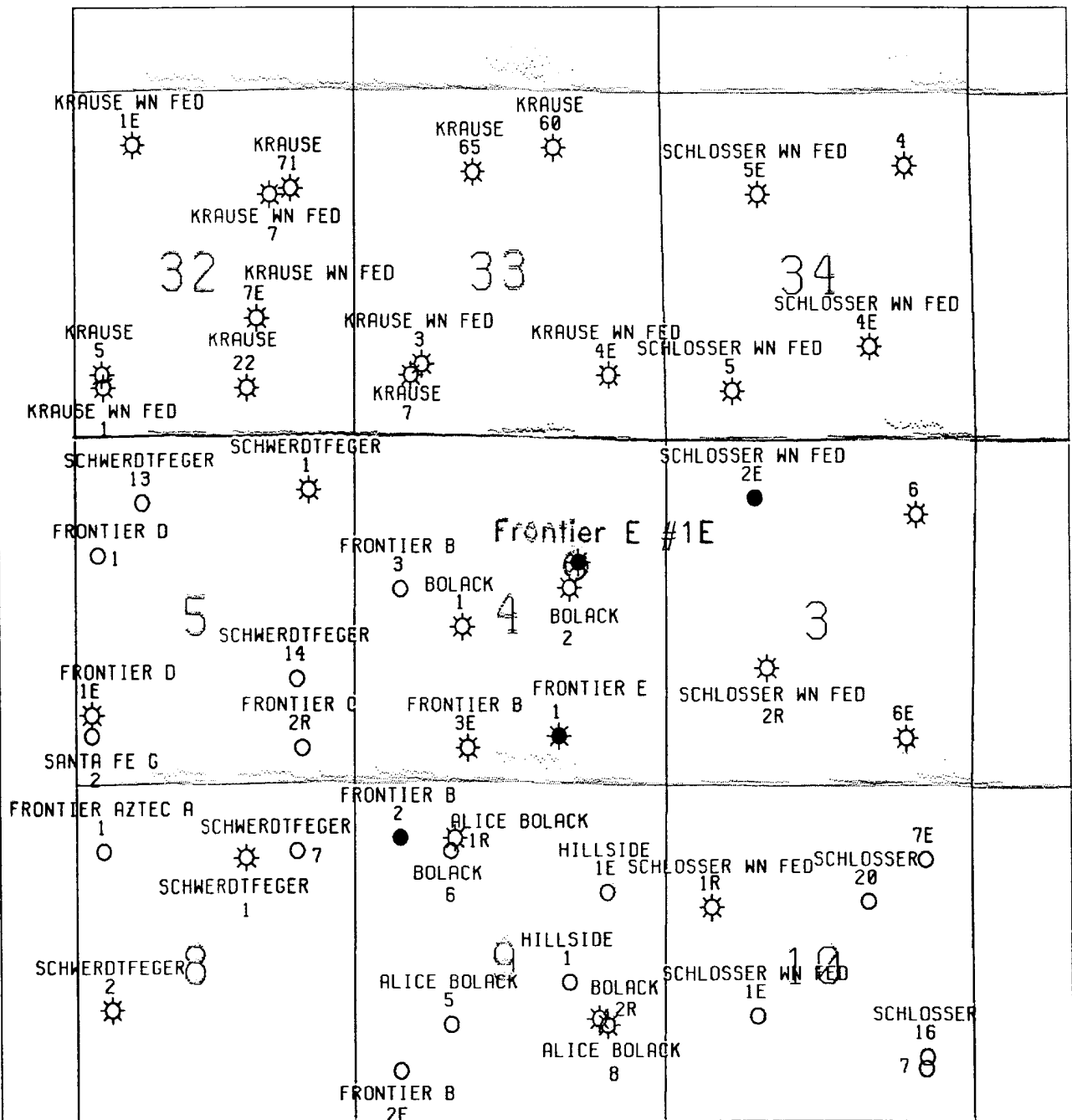
Frontier E #1E OFFSET OPERATOR \ OWNER PLAT Downhole Commingle

Gallup / Dakota Formations Well

Township 27 North, Range 11 West



- 1) Burlington Resources
- 2) ARCO Oil & Gas Company
P.O. Box 1610
Midland, TX 79702



Frontier E #1E
Sec 4 T27N R11W
Gallup/Dakota