

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 ☐ NO**BURLINGTON RESOURCES OIL & GAS COMPANY**

PO Box 4289, Farmington, NM 87499

Operator

Address

Feuille A**5****J, Sec. 04, T29N, R10W****San Juan**

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7015API NO. 30-045-0869300 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	Mesa Verde - 72319		Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	Supplied Upon Completion (approximately 3900' - 4450')		6738' - 6876'
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. 601 psia @ 4175' based on offset Grenier B No. 4		a. 613 Psia @ 6807'
	(Original) b. 1159 psia @ 4175' based on offset Grenier B No. 4	b.	b. 2677 Psia @ 6807'
6. Oil Gravity (^o API) or Gas BTU Content	1205 BTU		1135 BTU
7. Producing or Shut-In?	Not Yet Completed		Producing
Production Marginal? (yes or no)	Unknown Until Completion		Yes
* If Shut-In and oil/gas/water rates of last production	Date: Rates:	Date: Rates:	Date: 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 water of recent test	Date:	Date:	Date: 9/10/97

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.

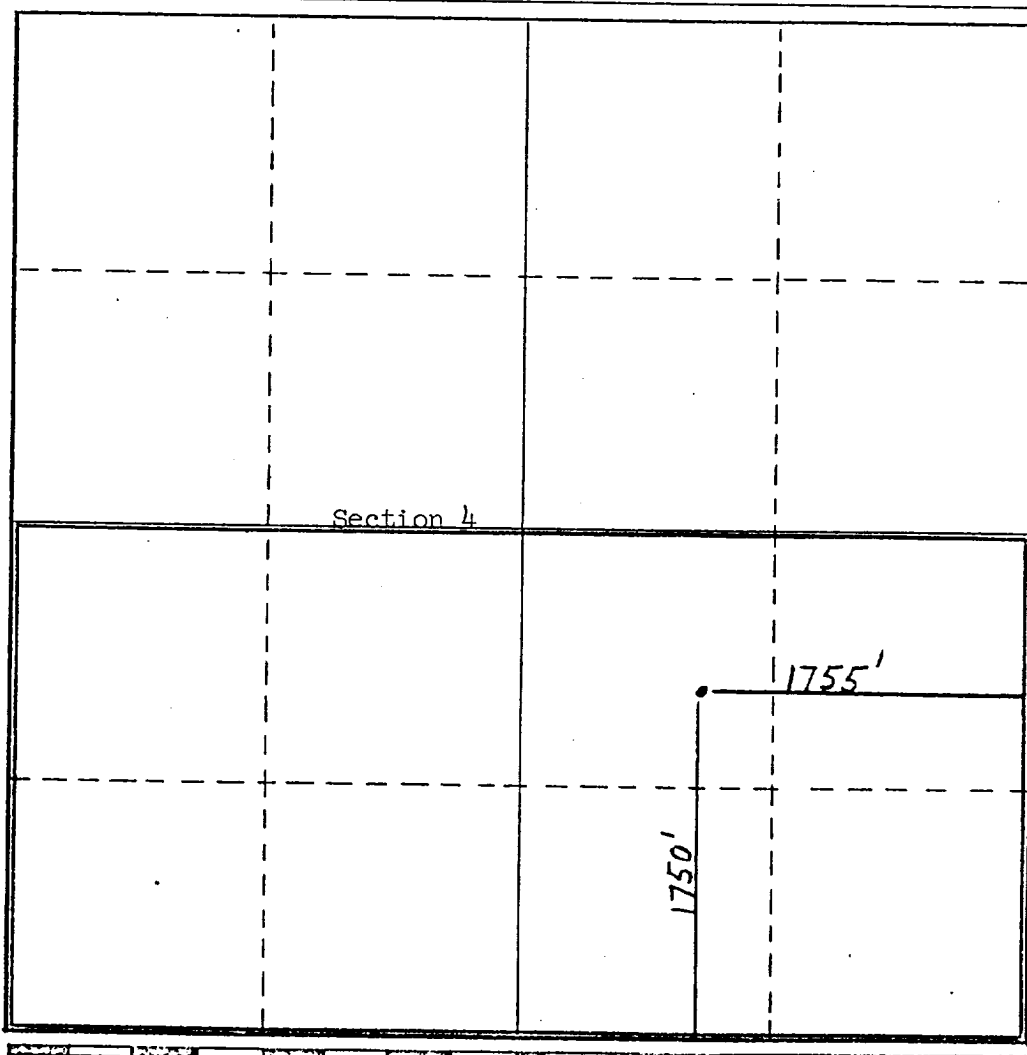
Operator CENARD OIL & GAS CO.			Lease NYE Jewell A		Well No. 5-1
Unit Letter J	Section 4	Township 29 North	Range 10 West	County San Juan	
Actual Footage Location of Well: 1750 feet from the south line and 1755 feet from the east line					
Ground Level Elev. 5859.10'	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 292.04 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (holders 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.

L. T. Brown

Name

L. T. Brown

Position

Senior Production Foreman

Company

Cenard Oil & Gas Co.

Date

October 14, 1969

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

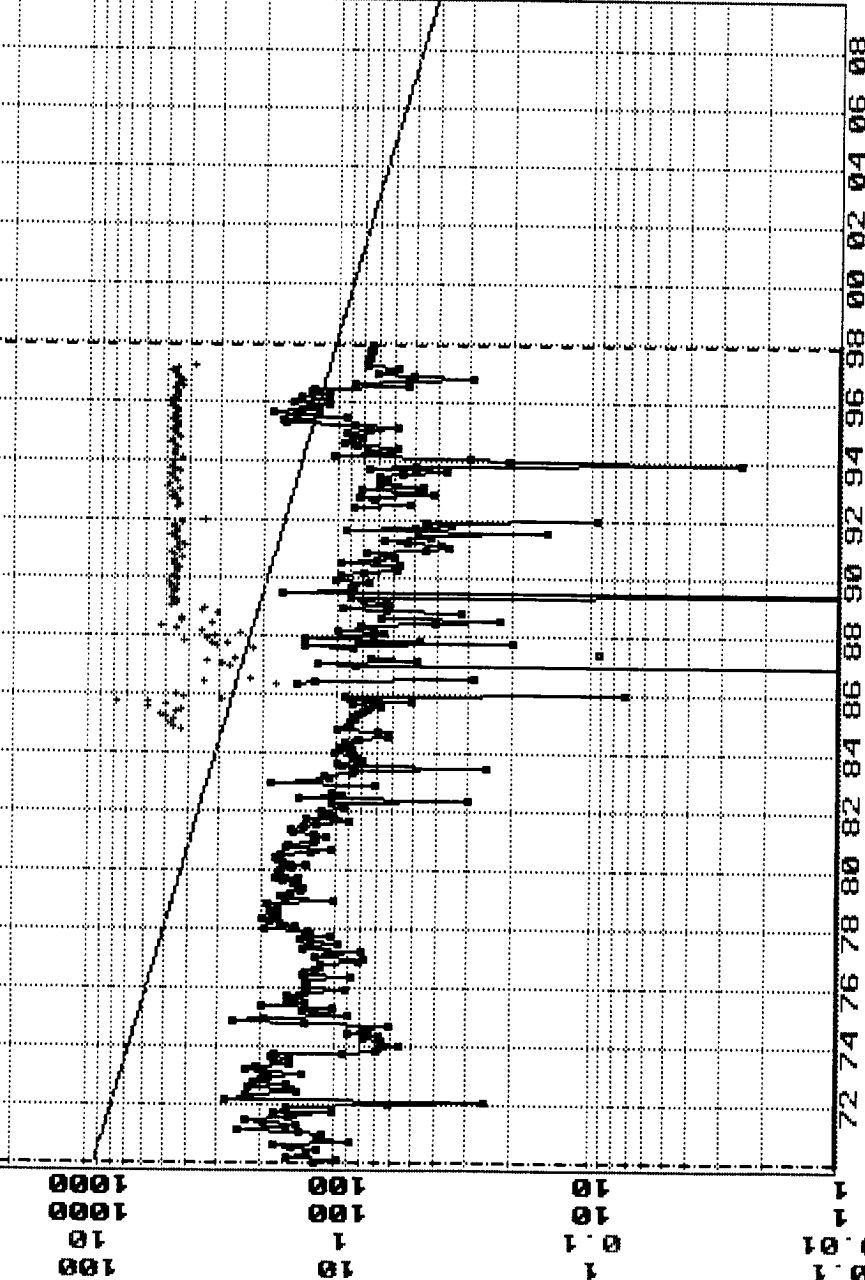
Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960

* OIL
* WATER/GAS
* GAS
* WATER

FEUILLE A : 5 : 50682A-1 DAKOTA

— DAILY RATE
— TBG PRESSURE



Prop 10094 *

☐ *WATER Bbls/d
☒ -GAS Mcf/d
☐ *WATER/GAS
☐ *OIL Bbl/d

RateTime
Semi Log

EUR 2,194,778

Cum 1,724,928

Rem 469,858

Ren% 21.4%

31.33 Yrs

Date 1/1/1997

Act 1,901

3,495

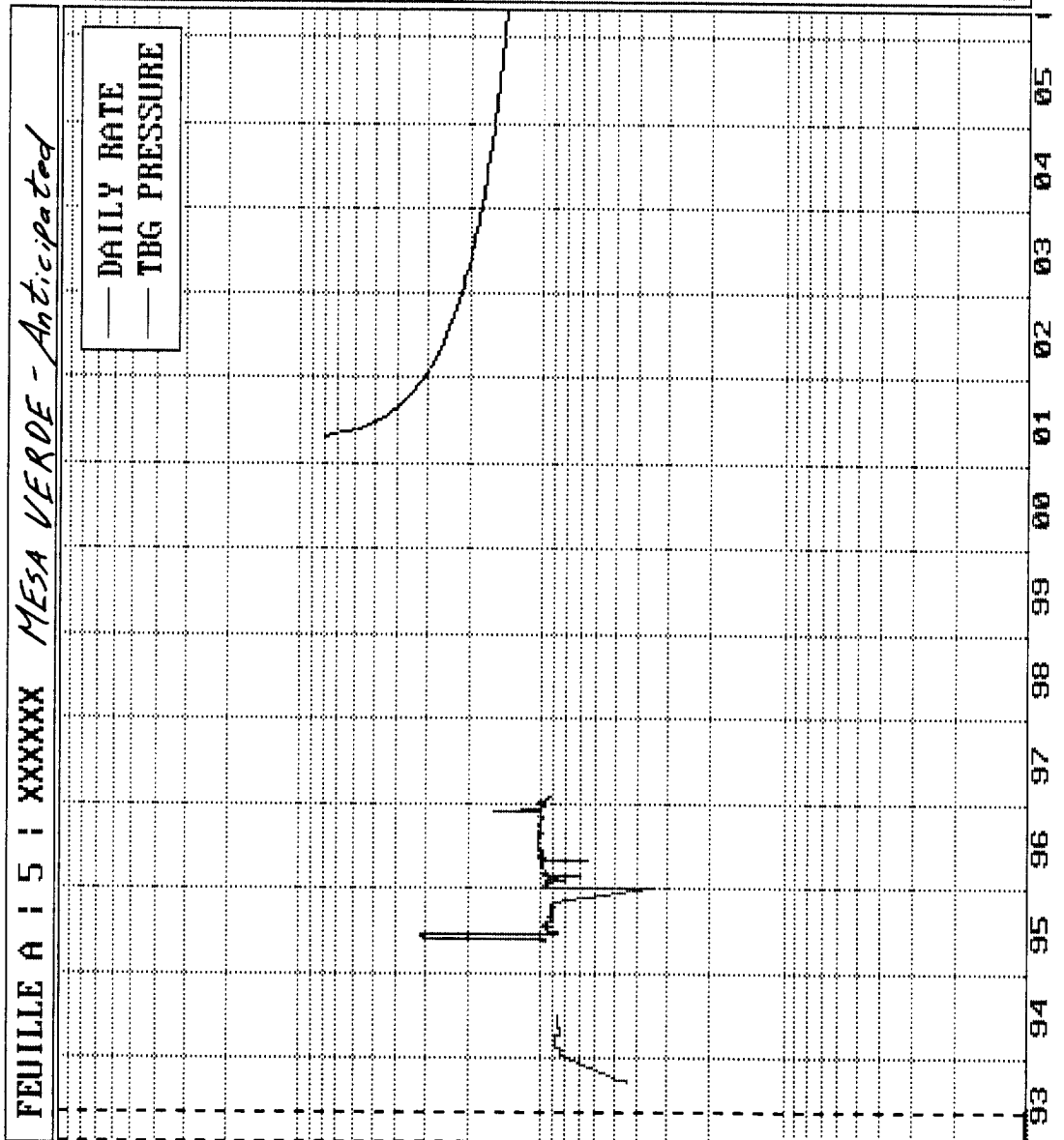
113.1

Page 18

NetQual 97PDP

Major = GAS

* OIL 100
 * WATER/GAS 1000
 * GAS 1000
 * WATER 1000



Prop 392 *	
☐ *WATER Bbls/d	☐ *WATER Bbls/d
☒ *GAS Mcf/d	☒ *GAS Mcf/d
☐ *WATER/GAS	☐ *WATER/GAS
☐ *OIL Bbl/d	☐ *OIL Bbl/d
☒ RateTime	☒ RateTime
☒ Semi Log	☒ Semi Log
EUR	1,194,918
Cum	37,076
Rem	1,157,842
Rem%	96.9%
Yrs	48.08
Date	7/1/2001
Act	0
Qmo	14,334
Q	493.2
n	2.5
De	81.871
Qab	10
GetQual	WORK

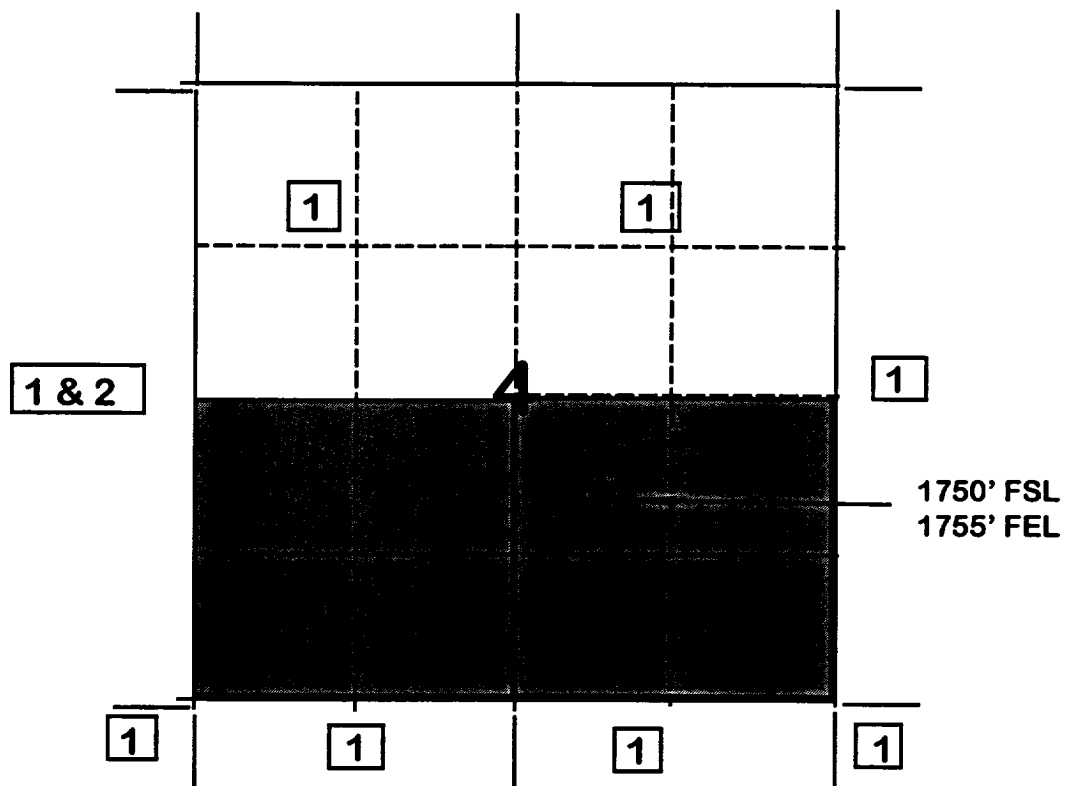
Major = GAS

BURLINGTON RESOURCES OIL AND GAS COMPANY

**Feuille A #5
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde / Dakota Formations Commingle Well

Township 29 North, Range 10 West



- 1) Burlington Resources Oil and Gas Company
2) Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201

Page No.: 1
 Print Time: Tue Sep 23 13:25:24 1997
 Property ID: 10094
 Property Name: FEUILLE A | 5 | 50682A-1
 Table Name: K:\ARIES\RR98PDP\TEST.DBF

DAKOTA

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi

11/30/62	0	2169.0	<i>Initial Pressure</i>
12/13/62	0	2168.0	
04/10/63	29000	1800.0	
07/16/64	195000	1301.0	
02/01/65	253000	1279.0	
07/22/66	423000	1173.0	
07/25/67	521000	1061.0	
08/13/68	611000	991.0	
12/16/70	750377	880.0	
05/27/71	777400	861.0	
09/18/72	857928	766.0	
02/11/74	936399	694.0	
08/18/75	1003140	620.0	
06/20/77	1082272	560.0	
06/18/79	1197055	474.0	
08/05/81	1313875	434.0	
10/11/83	1387019	584.0	
06/03/85	1439077	611.0	
04/09/90	1551274	603.0	
04/15/93	1606819	640.0	

7/97 1739567 515 *Current pressure from Pressure vs. Cum. Gas Plot*

Page No.: 1
Print Time: Tue Sep 23 13:35:17 1997
Property ID: 11258
Property Name: GRENIER B | 4 | 25669-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

OFFSET
MESA VERDE
PRODUCER

<u>--DATE--</u>	<u>---CUM GAS--</u>	<u>M SIWHP</u>
	<u>Mcf</u>	<u>Psi</u>

04/17/73	0	1023.0	- Initial Pressure
09/26/73	22908	693.0	
08/02/74	67145	465.0	
08/02/75	103176	568.0	
08/02/76	129417	672.0	
10/03/78	181813	691.0	
08/16/80	228325	582.0	
06/08/82	274339	605.0	
04/04/84	301639	701.0	
03/12/86	326928	763.0	
05/10/89	389764	622.0	
11/12/91	425898	650.0	
05/31/93	447803	596.0	

7/97	536551	537	- Current Pressure based on SIWHP vs. Cum. Gas Plot
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Feuille A No. 5
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesa Verde	Pictured Cliffs																																																
<u>MV - Current</u> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 70%;">GAS GRAVITY</td><td style="width: 30%; text-align: right;">0.712</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right;">M</td></tr> <tr><td>%N2</td><td style="text-align: right;">0.87</td></tr> <tr><td>%CO2</td><td style="text-align: right;">0.74</td></tr> <tr><td>%H2S</td><td style="text-align: right;">0</td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right;">4</td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right;">4175</td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right;">60</td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right;">123</td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right;">0</td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right;">537</td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right; border: 1px solid black;">601.1</td></tr> </table> The Mesa Verde Pressures are from the Grenier B No. 4 which is an offset MV producer.	GAS GRAVITY	0.712	COND. OR MISC. (C/M)	M	%N2	0.87	%CO2	0.74	%H2S	0	DIAMETER (IN)	4	DEPTH (FT)	4175	SURFACE TEMPERATURE (DEG F)	60	BOTTOMHOLE TEMPERATURE (DEG F)	123	FLOWRATE (MCFPD)	0	SURFACE PRESSURE (PSIA)	537	BOTTOMHOLE PRESSURE (PSIA)	601.1	<u>DK-Current</u> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 70%;">GAS GRAVITY</td><td style="width: 30%; text-align: right;">0.692</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right;">M</td></tr> <tr><td>%N2</td><td style="text-align: right;">0.24</td></tr> <tr><td>%CO2</td><td style="text-align: right;">1.88</td></tr> <tr><td>%H2S</td><td style="text-align: right;">0</td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right;">4</td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right;">6807</td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right;">60</td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right;">138</td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right;">0</td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right;">515</td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right; border: 1px solid black;">612.8</td></tr> </table>	GAS GRAVITY	0.692	COND. OR MISC. (C/M)	M	%N2	0.24	%CO2	1.88	%H2S	0	DIAMETER (IN)	4	DEPTH (FT)	6807	SURFACE TEMPERATURE (DEG F)	60	BOTTOMHOLE TEMPERATURE (DEG F)	138	FLOWRATE (MCFPD)	0	SURFACE PRESSURE (PSIA)	515	BOTTOMHOLE PRESSURE (PSIA)	612.8
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FARMINGTON

ANNUAL PRODUCTION FOR 50682A

PHS020M1

FEUILLE A 5

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE

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

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

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

PC DATE BBLs

PC DATE

MCF

DATE

BBLs

02 6912 2742

01 6912

703618

YEAR	OIL	OIL CUM	GAS	GAS CUM	WATER	WATER CUM
1990		2745	26539	1567566	121	625
1991		2745	17401	1584967	78	703
1992		2745	12090	1597057	55	758
1993		2745	20343	1617400	94	852
1994		2745	27300	1644700	125	977
1995		2745	45862	1690562	210	1187
1996		2745	34358	1724920	156	1343
1997		2745	14647	1739567	69	1412

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

00/00/00 00:00:00:0 D03 09/02/89

FARMINGTON

1997 MONTHLY PRODUCTION FOR 50682A

PHS030M1

FEUILLE A 5

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				01	1901	31	1136	15.025		9		
2	2	F	28				01	1770	28	1136	15.025		8		
3	2	F	31				01	1890	31	1136	15.025		9		
4	2	F	30				01	2517	30	1134	15.025		12		
5	2	F	31				01	2306	31	1134	15.025		11		
6	2	F	27				01	2128	27	1134	15.025		10		
7	2	F	31				01	2135	31	1134	15.025		10		
8															
9															
10															
11															
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 09/04/97

FDG055M4 4719

WELL PRODUCTION 8/8'S VOLUME

09/23/97 14:20:24

DP NO: 50682A

DATE: 970910 (YYMMDD FORMAT)

FEUILLE A

5 SCROLL FORWARD BY DATE: -

S *DAKOTA*

E	DATE	HOURS	-OIL PRODN-	-GAS PRODN-	-WATER PRODN-
L	PRODUCED	ON	(BOPD BOPM)	(MCFD MCFM)	(BWPD BWPM)
-	09/10/97	24.0	0.00 0.00	23 184	0.00 0.00
-	09/09/97	24.0	0.00 0.00	14 161	0.00 0.00
-	09/08/97	24.0	0.00 0.00	19 147	0.00 0.00
-	09/07/97	24.0	0.00 0.00	15 128	0.00 0.00
-	09/06/97	24.0	0.00 0.00	21 113	0.00 0.00
-	09/05/97	24.0	0.00 0.00	16 92	0.00 0.00
-	09/04/97	24.0	0.00 0.00	16 76	0.00 0.00
-	09/03/97	24.0	0.00 0.00	16 60	0.00 0.00
-	09/02/97	24.0	0.00 0.00	26 44	0.00 0.00
-	09/01/97	24.0	0.00 0.00	18 18	0.00 0.00
-	08/31/97	24.0	0.00 0.00	13 861	0.00 0.00

ENTER I UNDER SEL FOR MAINTENANCE

PF12=MAIN MENU PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
 ENTER=BACKWARDS PF24=HELP

