

DATE IN 3/20/98	SUSPENSE 4/9/98	ENGINEER DC	LOGGED KW	TYPE DHC
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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]

**[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  
  
 Print or Type Name                      Signature

Regulatory/Compliance Administrator

Title

Date

## 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 and Gas

PO Box 4289, Farmington, NM 87499

Operator

Hunsaker

#2R

Address

B-26-31N-09W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. \_14538\_ Property Code \_7147\_

API NO. \_30-045-22997

Federal ☒ , State \_\_\_\_\_, 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)	5066'-5597'		7598'-7850'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	(Current) a. 359 psi (see attachment)		a. 461 psi (see attachment)
Oil Zones - Artificial Lift: Estimated Current	(Original) b. 619 psi (see attachment)		b. 2426 psi (see attachment)
Gas & Oil - Flowing: Measured Current			
All Gas Zones: Estimated or Measured Original			
6. Oil Gravity (°API) or Gas BTU Content	BTU 1143		BTU 976
7. Producing or Shut-In?	Producing		Shut-In
Production Marginal? (yes or no)	No		Yes
* If Shut-In and oil/gas/water rates of last production	Date: N/A Rates:		Date: 1995 Rates: 33 mcf/d
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 of recent test (within 60 days)	Date: 3/98 Rates: 587 mcf/d 1.3 bopd		Date: 3/98 Rates: 0 mcf/d 0.0 bopd
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		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. NMOST Reference Cases for Rule 303(D) Exceptions: ORDER NC(8).

## 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 3/19/98TYPE 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.

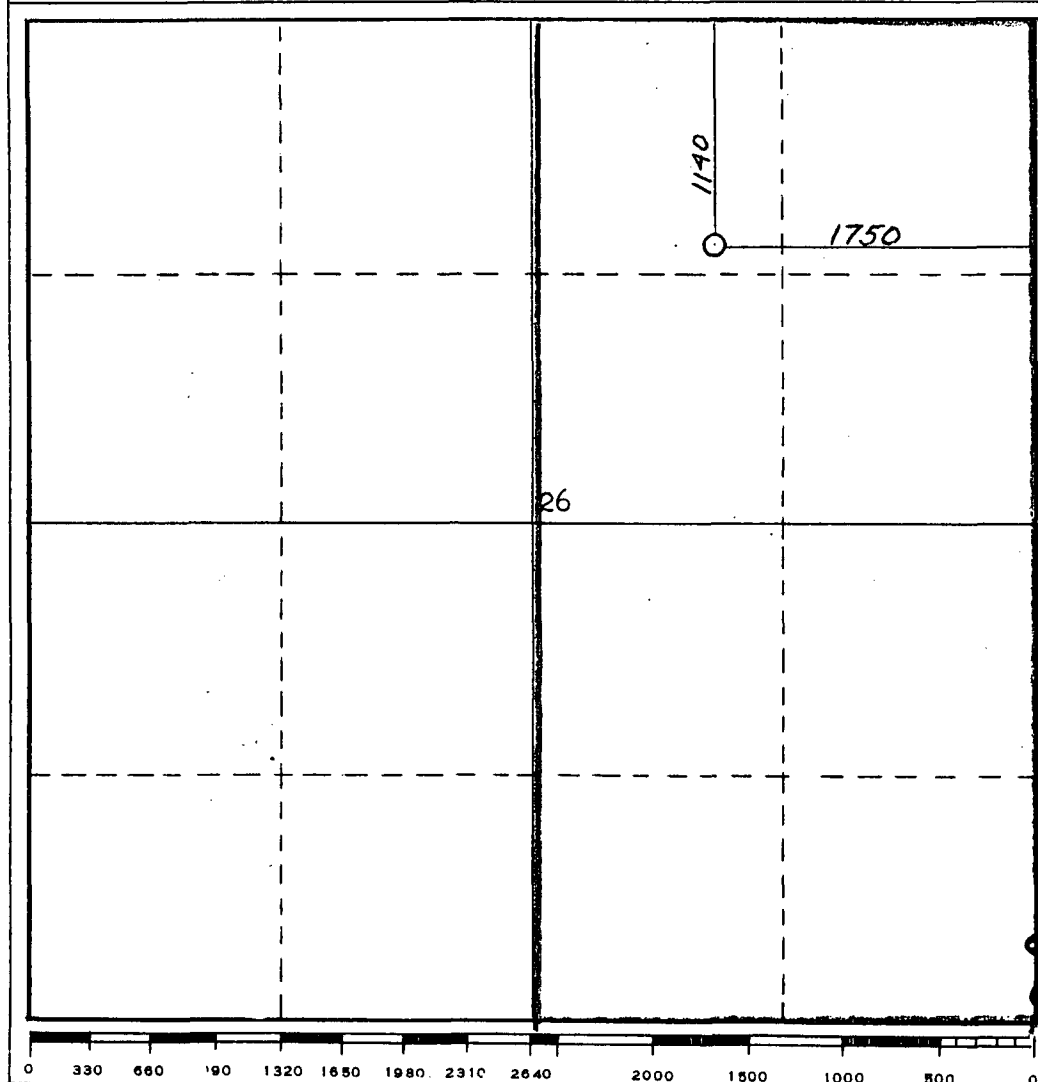
Operator <b>SUPRON ENERGY CORPORATION</b>			Lease <b>HUNSAKER</b>		Well No. <b>2-R</b>
Unit Letter <b>B</b>	Section <b>26</b>	Township <b>31 North</b>	Range <b>9 West</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1140</b> feet from the <b>North</b> line and <b>1750</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6411</b>	Producing Formation <b>MESAVERDE</b>		Pool <b>BLANCO</b>		Dedicated Acreage: <b>E 1/2 313.16 Acres</b>

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.

*Rudy D. Motto*  
Name

Rudy D. Motto

Position

Area Superintendent

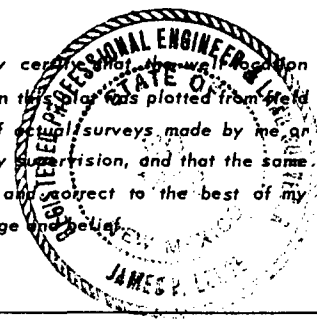
Company

SUPRON ENERGY CORPORATION

Date

December 11, 1978

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

6 April 1978

Registered Professional Engineer and Land Surveyor

*James P. Lane*

Certificate No.

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>SUPRON ENERGY CORPORATION</b>			Lease <b>HUNSAKER</b>		Well No. <b>3</b>
Unit Letter <b>B</b>	Section <b>26</b>	Township <b>31 NORTH</b>	Range <b>9 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1140</b> feet from the <b>NORTH</b> line and <b>1750</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6411</b>	Producing Formation <b>DAKOTA</b>		Pool <b>BASIN</b>		Dedicated Acreage: <b>1 1/2 313.16</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 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

**Rudy D. Motto**

Name

**Rudy D. Motto**

Position

**Area Superintendent**

Company

**SUPRON ENERGY CORPORATION**

Date

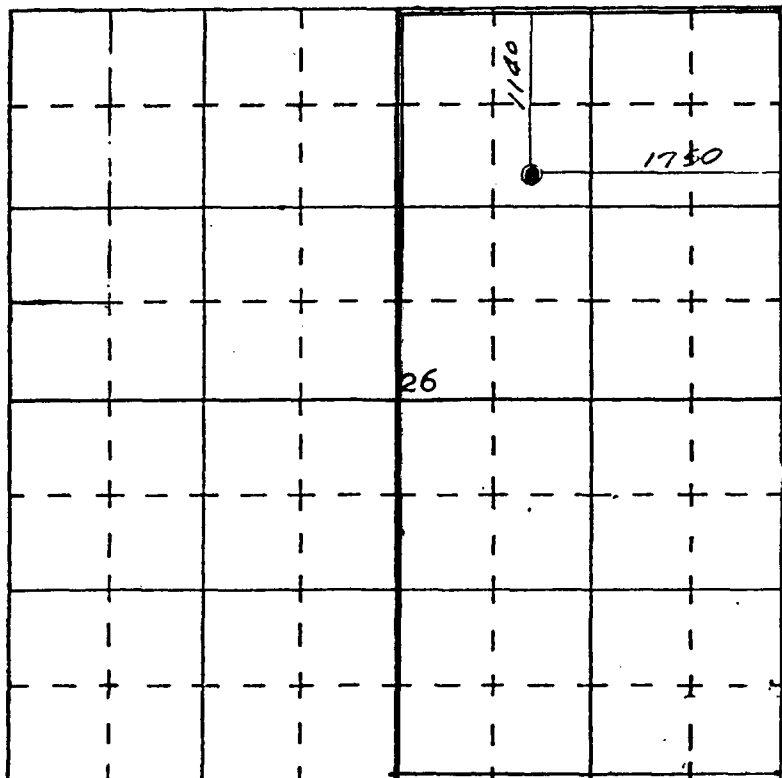
**April 14, 1978**

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.

**6 April 1978**

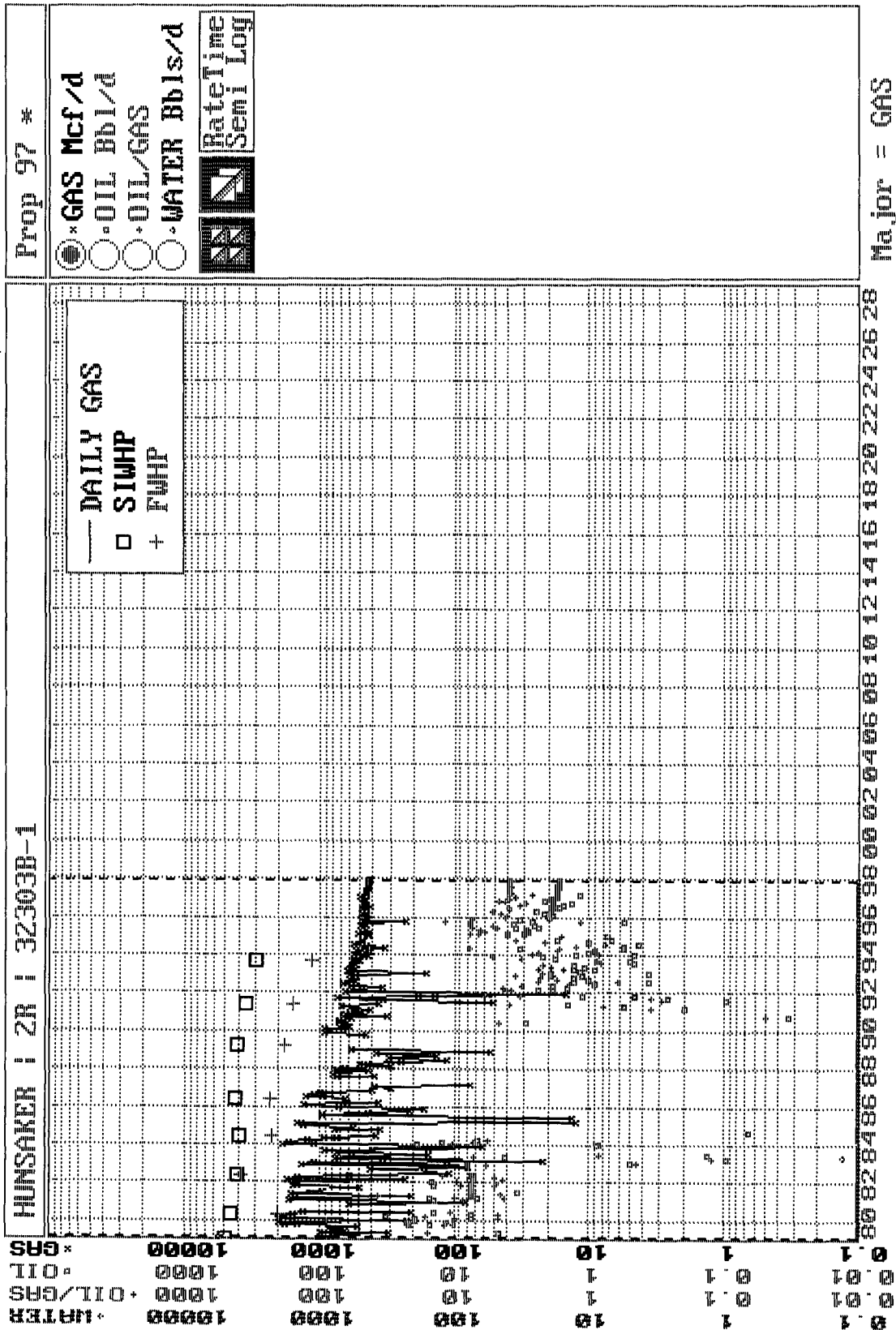
Date Surveyed

*James P. Leese*  
Registered Professional Engineer  
and/or Land Surveyor **James P. Leese**

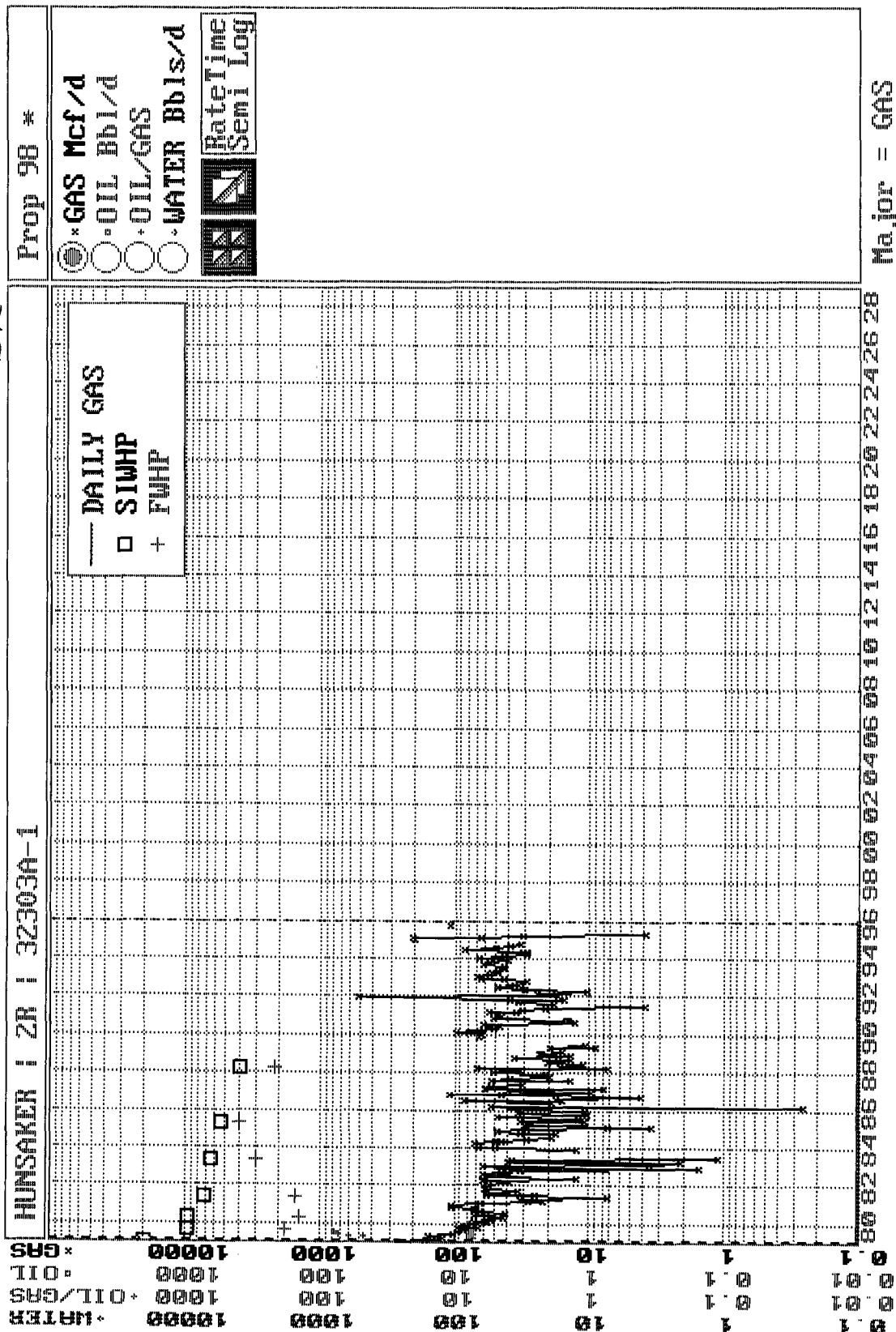


SCALE—4 INCHES EQUALS 1 MILE

MV



DK



FARMINGTON

1998 MONTHLY PRODUCTION FOR 32303B

PHS030M1

HUNSAKER 2R

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	31	02	39		01	18200	31	1143	15.025				
2					-31			÷ 31							
3															
4					1.3			587							
5															
6															
7															
8															
9															
10															
11															
12															

PF6 - RETURNS TO ANNUAL DISPLAY

PF10 - HELP INFORMATION

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

PF3 - TRANSFER TO UPDATE

PF9 - DISPLAY MONTHLY INJECTION

PRS 03/04/98

FUNCTION SELECTED NOT VALID

FARMINGTON

1998 MONTHLY PRODUCTION FOR 32303A

PHS030M1

HUNSAKER 2R

BASIN DAKOTA (PRORATED GAS) FIELD

DAKOTA ZONE *Shut-in*

			DAYS =====		OIL =====		=====		GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD	C
1	2	S					01				15.025		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

PF6 - RETURNS TO ANNUAL DISPLAY

PF10 - HELP INFORMATION

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

PF3 - TRANSFER TO UPDATE

PF9 - DISPLAY MONTHLY INJECTION

PRS 03/04/98

mv

Page No.: 18  
Print Time: Wed May 28 09:00:26 1997  
Property ID: 10438  
Property Name: HUNSAKER | 2R | : : 9939 CF: 93 SIP:  
Table Name: K:\ARIES\RR98PDP\TEST.DBF

<u>--DATE--</u>	<u>---CUM_GAS--</u>	<u>M SIWHP</u>	<u>C SIWHP</u>
	Mcf	Psi	
01/01/79	0	515.0	
04/08/80	562853	452.0	
05/02/82	1183628	412.0	
05/23/84	1641601	399.0	
06/11/86	2025386	429.0	
03/16/89	2401397	402.0	
05/23/91	2781907	361.0	
09/20/93	3041626	301.0	

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

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.68</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.24</u>
%CO2	<u>1.39</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.8</u>
DEPTH (FT)	<u>7500</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>515</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>619.0</u>

HUNSAKER #2R MESA VERDE - (ORIGINAL)

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

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.68</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.24</u>
%CO2	<u>1.39</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.8</u>
DEPTH (FT)	<u>7500</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>155</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>301</u>
BOTTOMHOLE PRESSURE (PSIA)	<div>359.4</div>

HUNSAKER #2R MESA VERDE - (CURRENT)

Dk

Page No.: 9

Print Time: Thu Jun 26 07:31:19 1997

Property ID: 10439

Property Name: HUNSAKER | 2R | 32303A-1

Table Name: K:\ARIES\RR98PDP\TEST.DBF

<u>--DATE--</u>	<u>--CUM OIL--</u>	<u>---CUM GAS--</u>	<u>M SIWHP</u>
	Bbl	Mcf	Psi
01/01/79		0	2052.0
09/09/79		35932	945.0
04/08/80		50325	955.0
06/09/81		74628	723.0
04/25/83		101738	655.0
04/03/85		121468	542.0
03/23/88		153344	401.0

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

VERSION 1.0 3/13/94

GAS GRAVITY	0.71
COND. OR MISC. (C/M)	C
%N2	0.32
%CO2	0.78
%H2S	0
DIAMETER (IN)	1.8
DEPTH (FT)	5664
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	185
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2052
BOTTOMHOLE PRESSURE (PSIA)	2426.0

HUNSAKER #2R DAKOTA - (ORIGINAL)

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

VERSION 1.0 3/13/94

GAS GRAVITY	0.71
COND. OR MISC. (C/M)	C
%N2	0.32
%CO2	0.78
%H2S	0
DIAMETER (IN)	1.8
DEPTH (FT)	5664
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	185
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	401
BOTTOMHOLE PRESSURE (PSIA)	460.6

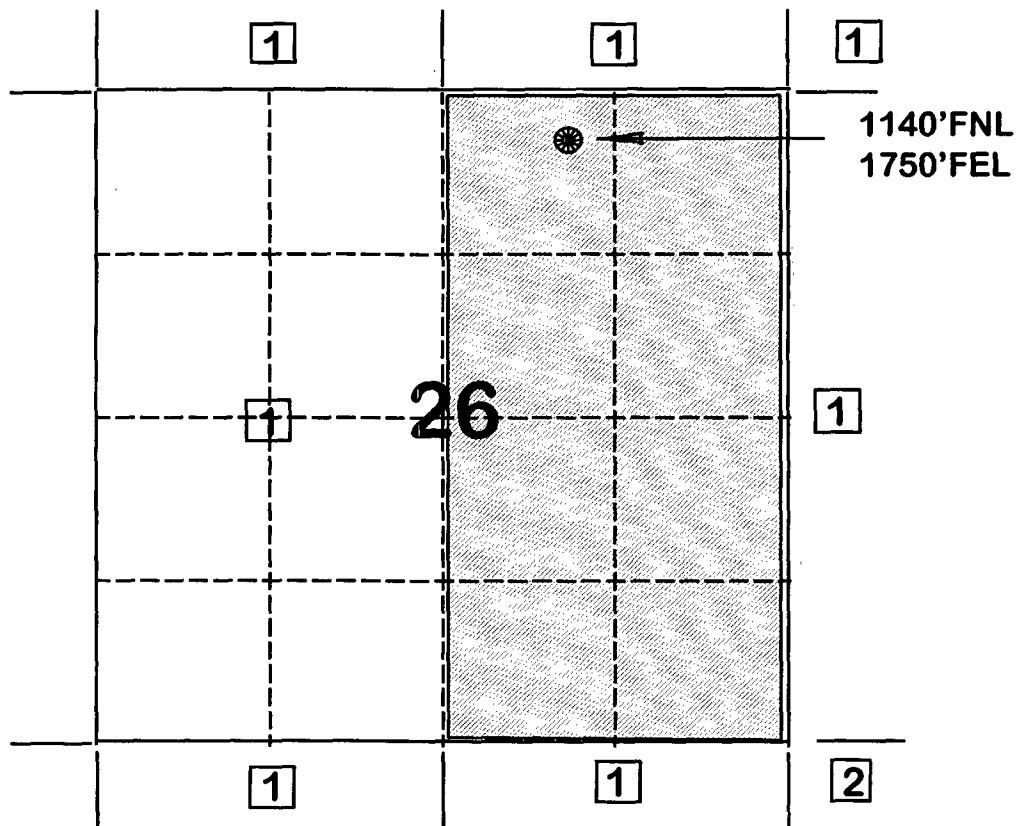
HUNSAKER #2R DAKOTA - (CURRENT)

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

**Hunsaker #2R  
OFFSET OPERATOR \ OWNER PLAT**

**Mesaverde / Dakota Formations Commingle Well**

**Township 31 North, Range 9 West**



- 1) Burlington Resources
- 2) Conoco Inc.  
10 Desta Drive Ste. 100W  
Midland, TX 79705-4500

