

DATE IN 6/9/98	SUSPENSE 6/29/98	ENGINEER DC	LOGGED BY MW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2040 South Pacheco, Santa Fe, NM 87505



1983

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

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

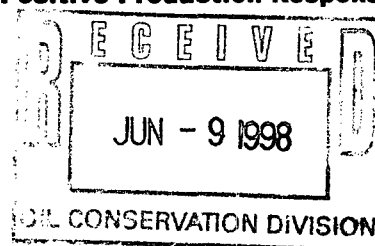
Check One Only for [B] or [C]

[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 - Certification

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 (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

[Signature]

6-8-98

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

JICARILLA 150

7M

O, Sec. 11, T26N, R05W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 16344 API NO. 30-039-22058 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 - 73219		Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	5809' - 6171'		8034' - 8186'
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. 495.1 Psia @ 5990' (Original) b. 914.9 Psia @ 5990'	a. b.	a. 633.7 Psia @ 8110' b. 2664.7 Psia @ 8110'
6. Oil Gravity (°API) or Gas BTU Content	----		----
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: Rates:	Date: Rates:	Date: Rates:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: 05/07/98 Rates: 246 MCFD, 0.9 BO	Date: Rates:	Date: 05/07/98 Rates: 98 MCFD, 0 BO
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: will be supplied upon completion	Oil: Gas: will be supplied upon completion	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. 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 Kevin L. Midkiff TITLE Production Engineer DATE 06-08-98TYPE OR PRINT NAME Kevin L. Midkiff TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-12
Effective 1-1-65

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

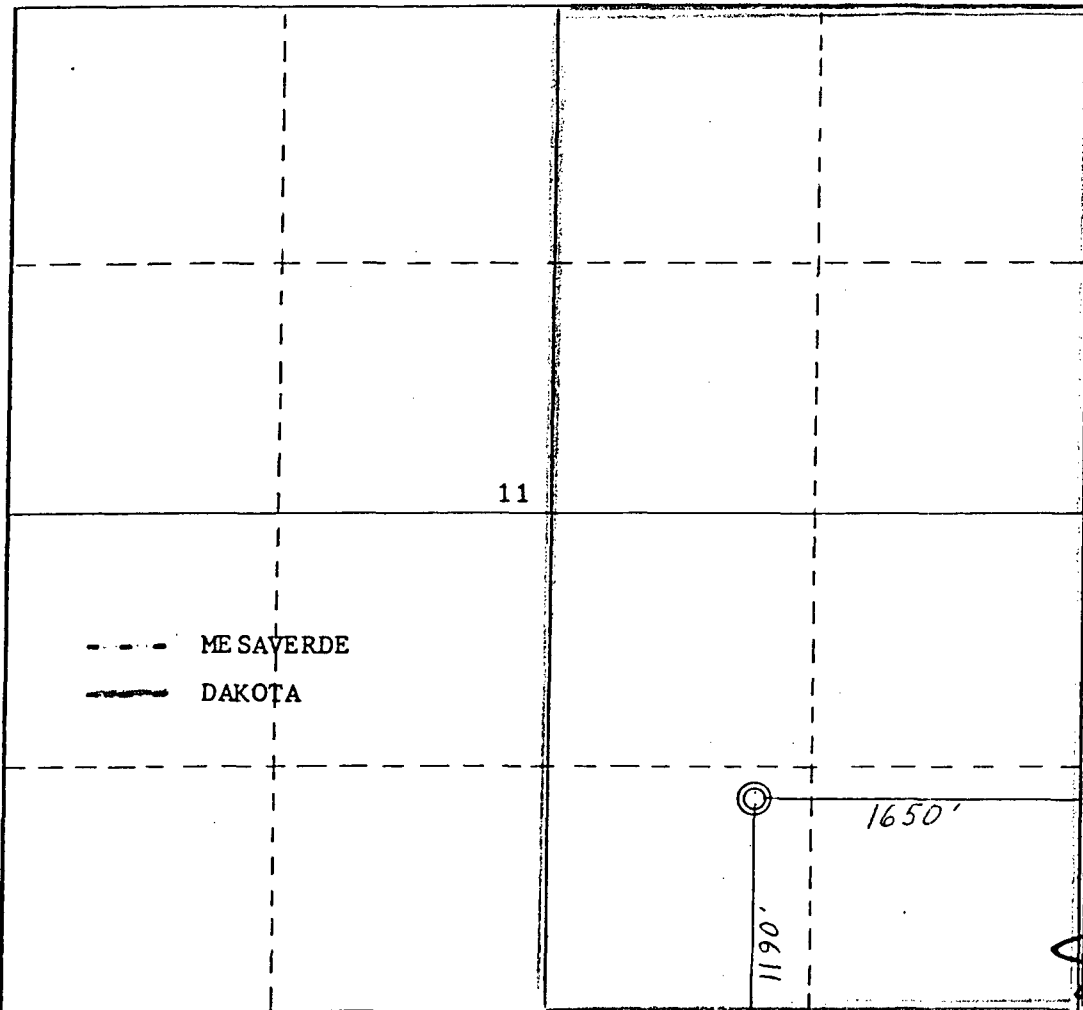
Operator SUPRON ENERGY CORPORATION			Lease JICARILLA ¹⁵⁰ 100		Well No. 7-4 M
Unit Letter 0	Section 11	Township 26 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 1190 feet from the SOUTH line and 1650 feet from the EAST line					
Ground Level Elev. 7206	Producing Formation ME SAVERDE DAKOTA		Pool BLANCO BASIN	Dedicated Acreage: E 1/2 320 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 _____

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.

Kenneth E. Roddy
Name

Kenneth E. Roddy

Position

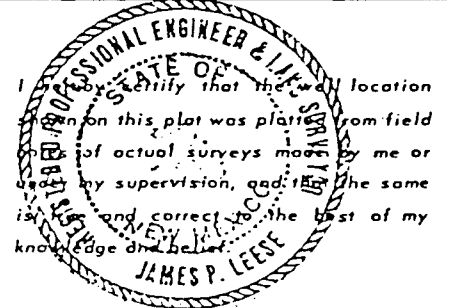
Production Superintendent

Company

SUPRON ENERGY CORPORATION

Date

May 21, 1979



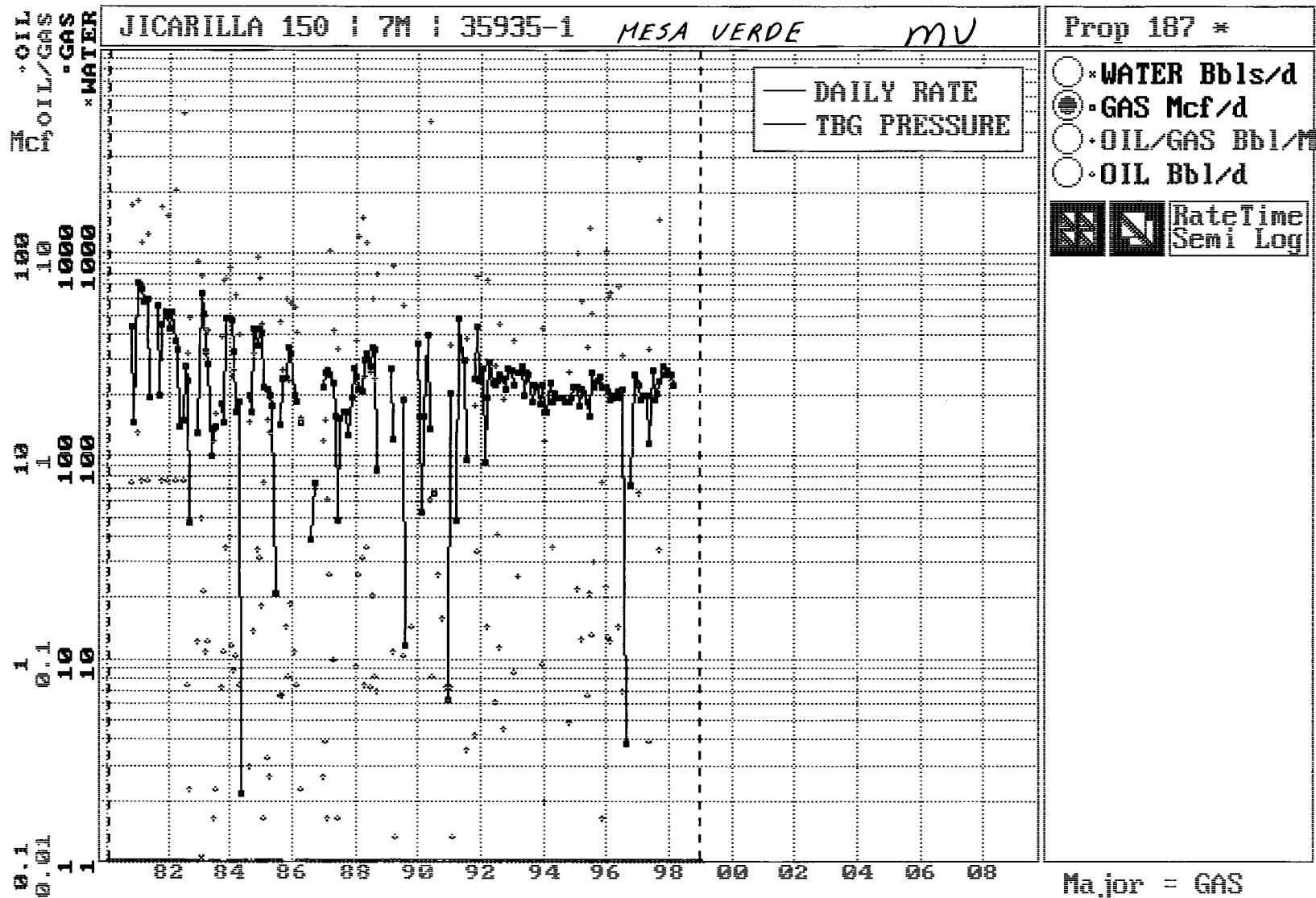
Date Surveyed

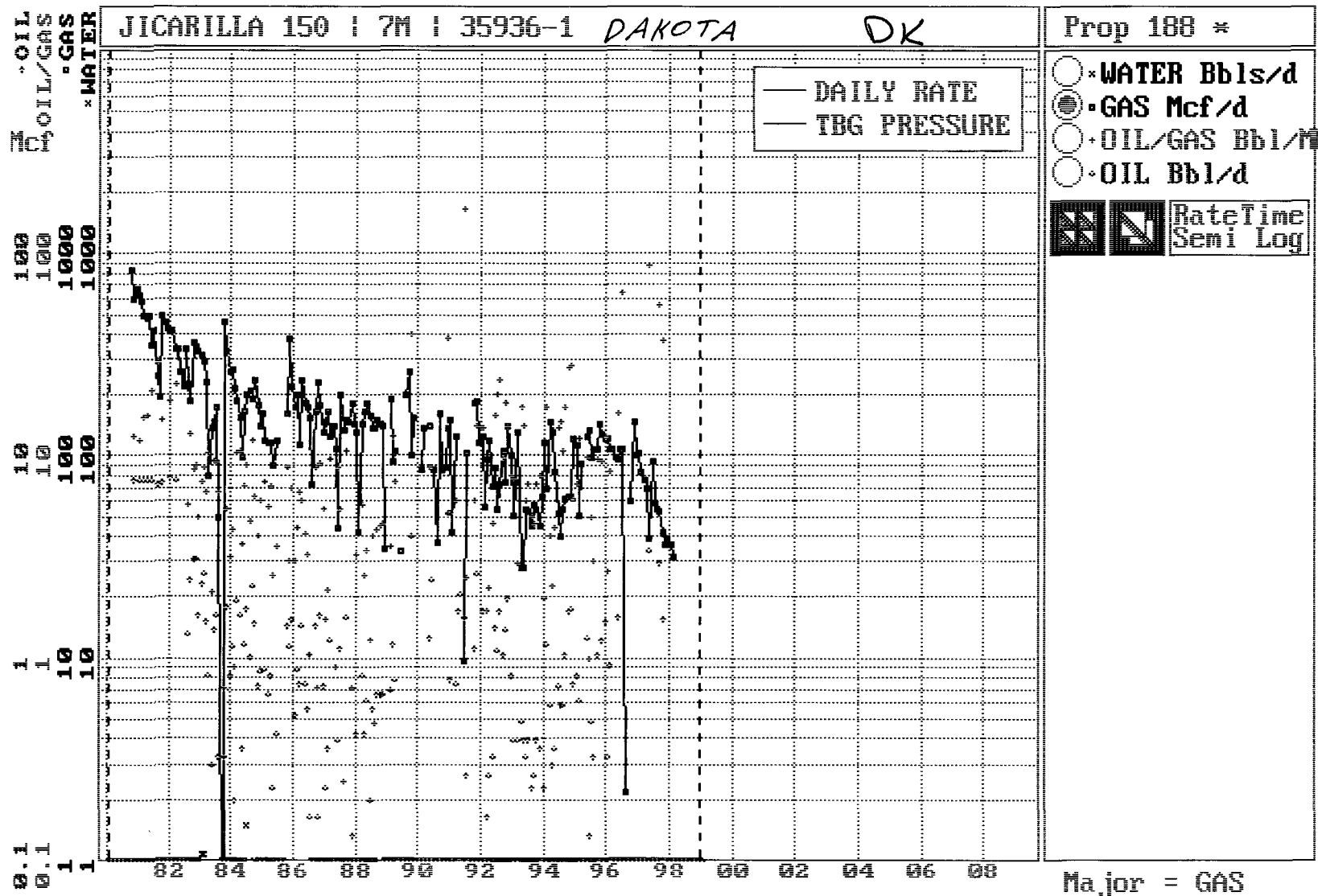
6 April 1979

Registered Professional Engineer and/or Land Surveyor
James P. Lease

Certificate No.

1463





Jicarilla 150 7M
BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesa Verde		Dakota	
<u>MV - Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.574	GAS GRAVITY	0.664
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.19	%N2	0.33
%CO2	0.8	%CO2	0.91
%H2S	0	%H2S	0
DIAMETER (IN)	5	DIAMETER (IN)	5
DEPTH (FT)	5990	DEPTH (FT)	8060
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	135	BOTTOMHOLE TEMPERATURE (DEG F)	161
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	438	SURFACE PRESSURE (PSIA)	523
BOTTOMHOLE PRESSURE (PSIA)	495.1	BOTTOMHOLE PRESSURE (PSIA)	633.7
<u>MV - Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.574	GAS GRAVITY	0.664
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.19	%N2	0.33
%CO2	0.8	%CO2	0.91
%H2S	0	%H2S	0
DIAMETER (IN)	5	DIAMETER (IN)	5
DEPTH (FT)	5990	DEPTH (FT)	8060
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	135	BOTTOMHOLE TEMPERATURE (DEG F)	161
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	805	SURFACE PRESSURE (PSIA)	2126
BOTTOMHOLE PRESSURE (PSIA)	914.9	BOTTOMHOLE PRESSURE (PSIA)	2664.7

Page No.: 1

Print Time: Fri May 08 09:50:51 1998

Property ID: 3160

Property Name: JICARILLA 150 | 7M | 35935-1

Table Name: K:\ARIES\RR99PDP\TEST.DBF *MESA VERDE*

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

07/14/80	0	793.0
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11/17/80	17830	693.0
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09/25/81	147087	558.0
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05/02/82	246323	486.0
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05/02/84	411910	485.0
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04/23/86	553658	515.0
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11/20/89	723789	546.0
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04/29/93	945595	782.0
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<i>04/01/98</i>	<i>1311304</i>	<i>426</i>	<i>Based on Pressure vs. Cum. Gas Curve</i>
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Page No.: 1

Print Time: Fri May 08 09:51:01 1998

Property ID: 1037

Property Name: JICARILLA 150 | 7M | 35936-1

Table Name: K:\ARIES\RR99PDP\TEST.DBF *DAKOTA*

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

07/14/80	0	2114.0
09/25/81	183318	1148.0
05/02/82	279366	946.0
07/25/83	382504	889.0
05/29/85	502795	934.0
01/13/88	646665	832.0
10/03/90	747697	731.0
05/29/91	764227	466.0
04/29/92	794514	786.0

<i>04/01/98</i>	<i>983407</i>	<i>511</i>	<i>Based on Pressure vs. Cum. Gas Curve</i>
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Package Preparation Volume Data

DPNo: 35936

JICARILLA 150

7M

Form: DK

Supt: 60 KEN RAYBON

FF: 339 WARD ARNOLD

MS: 303 RAY SANDOVAL

Pipeline: WFS

Plunger: No

Dual: Yes

Compressor: No

Ownership (No Trust)

	<u>Gas</u>	<u>Oil</u>
GWI:	62.5000%	62.5000%
GNI:	54.6875%	54.6875%

Volumes

(Days On)

	<u>MCFD</u>	<u>BOPD</u>
7 Day Avg	213	0.0
30 Day Avg	98	0.0
60 Day Avg	45	0.0
3 Mo Avg	37	0.0
6 Mo Avg	41	0.8
12 Mo Avg	57	0.7

Volumes

(Days in Month)

	<u>MCFD</u>	<u>BOPD</u>
30 Day Avg	88	0.0
60 Day Avg	43	0.0
3 Mo Avg	37	0.0
6 Mo Avg	41	0.8
12 Mo Avg	54	0.7

Prior Year

Current Year

	<u>MCF/M</u>	<u>BOPM</u>	<u>Days On</u>	<u>MCF/M</u>	<u>BOPM</u>	<u>Days On</u>
Jan	3,202	0.0	31	1,142	0.0	31
Feb	2,590	0.0	28	983	0.0	28
Mar	2,389	0.0	31	0	0.0	31
Apr	2,138	0.0	30	0	0.0	0
May	1,205	103.0	16	0	0.0	0
Jun	2,943	0.0	30	0	0.0	0
Jul	1,825	0.0	27.1	0	0.0	0
Aug	1,705	0.0	31	0	0.0	0
Sept	1,659	90.0	30	0	0.0	0
Oct	1,292	47.0	31	0	0.0	0
Nov	1,121	0.0	30	0	0.0	0
Dec	1,226	0.0	31	0	0.0	0
Total	23,295	240.0		2,125	0.0	

Print Form

Exit Volumes Data

5/7/98

Package Preparation Volume Data

DPNo: 35935

JICARILLA 150

7M

Form: MV

Supt: 60 KEN RAYBON

FF: 339 WARD ARNOLD

MS: 303 RAY SANDOVAL

Pipeline: WFS

Plunger: Yes

Dual: Yes

Compressor: No

Ownership (No Trust)

	<u>Gas</u>	<u>Oil</u>
GWl:	62.5000%	62.5000%
GNI:	54.6875%	54.6875%

Volumes

(Days On)

MCFD

BOPD

7 Day Avg	307	8.6
30 Day Avg	246	0.9
60 Day Avg	110	0.4
3 Mo Avg	257	0.0
6 Mo Avg	260	0.6
12 MoAvg	242	0.3

Volumes

(Days in Month)

MCFD

BOPD

30 Day Avg	204	0.7
60 Day Avg	101	0.4
3 Mo Avg	257	0.0
6 Mo Avg	258	0.6
12 Mo Avg	229	0.3

Prior Year

Current Year

	<u>MCF/M</u>	<u>BOPM</u>	<u>Days</u> <u>On</u>	<u>MCF/M</u>	<u>BOPM</u>	<u>Days</u> <u>On</u>
Jan	6,931	200.0	31	7,841	0.0	31
Feb	5,954	0.0	28	7,012	0.0	28
Mar	6,229	0.0	31	0	0.0	31
Apr	6,203	0.0	30	0	0.0	0
May	3,575	12.0	16	0	0.0	0
Jun	8,215	0.0	30	0	0.0	0
Jul	5,876	0.0	25.2	0	0.0	0
Aug	6,332	0.0	31	0	0.0	0
Sept	7,275	105.0	30	0	0.0	0
Oct	8,639	0.0	31	0	0.0	0
Nov	7,964	0.0	30	0	0.0	0
Dec	8,274	0.0	31	0	0.0	0
Total	81,467	317.0		14,853	0.0	

Print Form

Exit Volumes Data

5/7/98

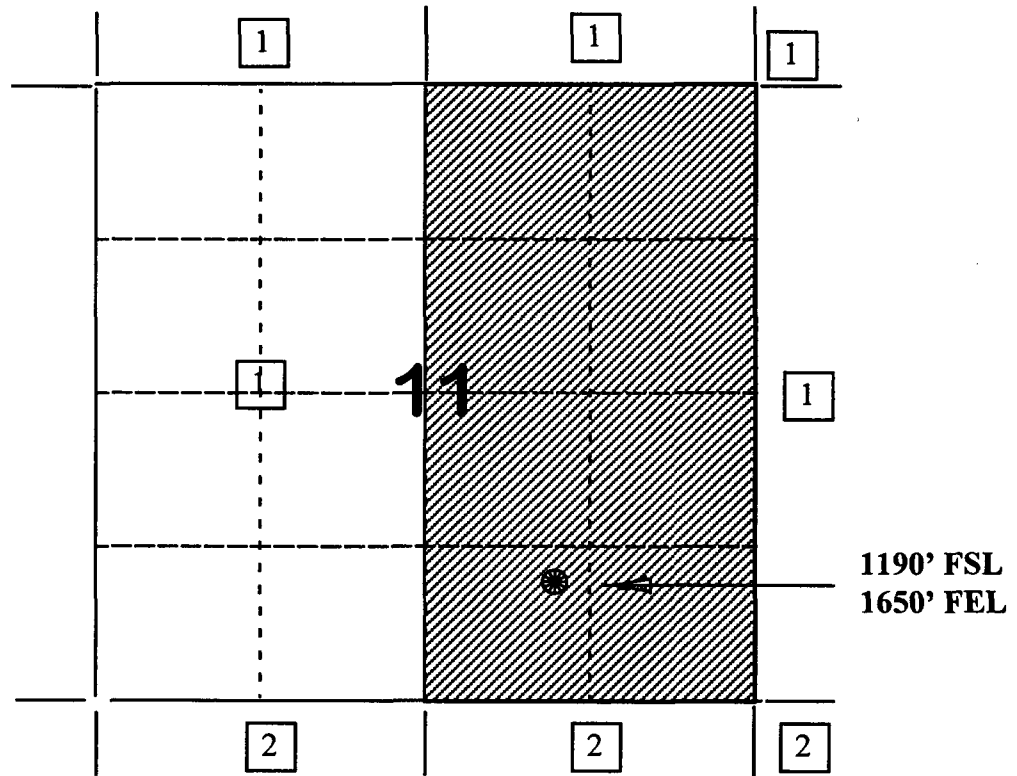
BURLINGTON RESOURCES OIL AND GAS COMPANY

Jicarilla 150 #7M

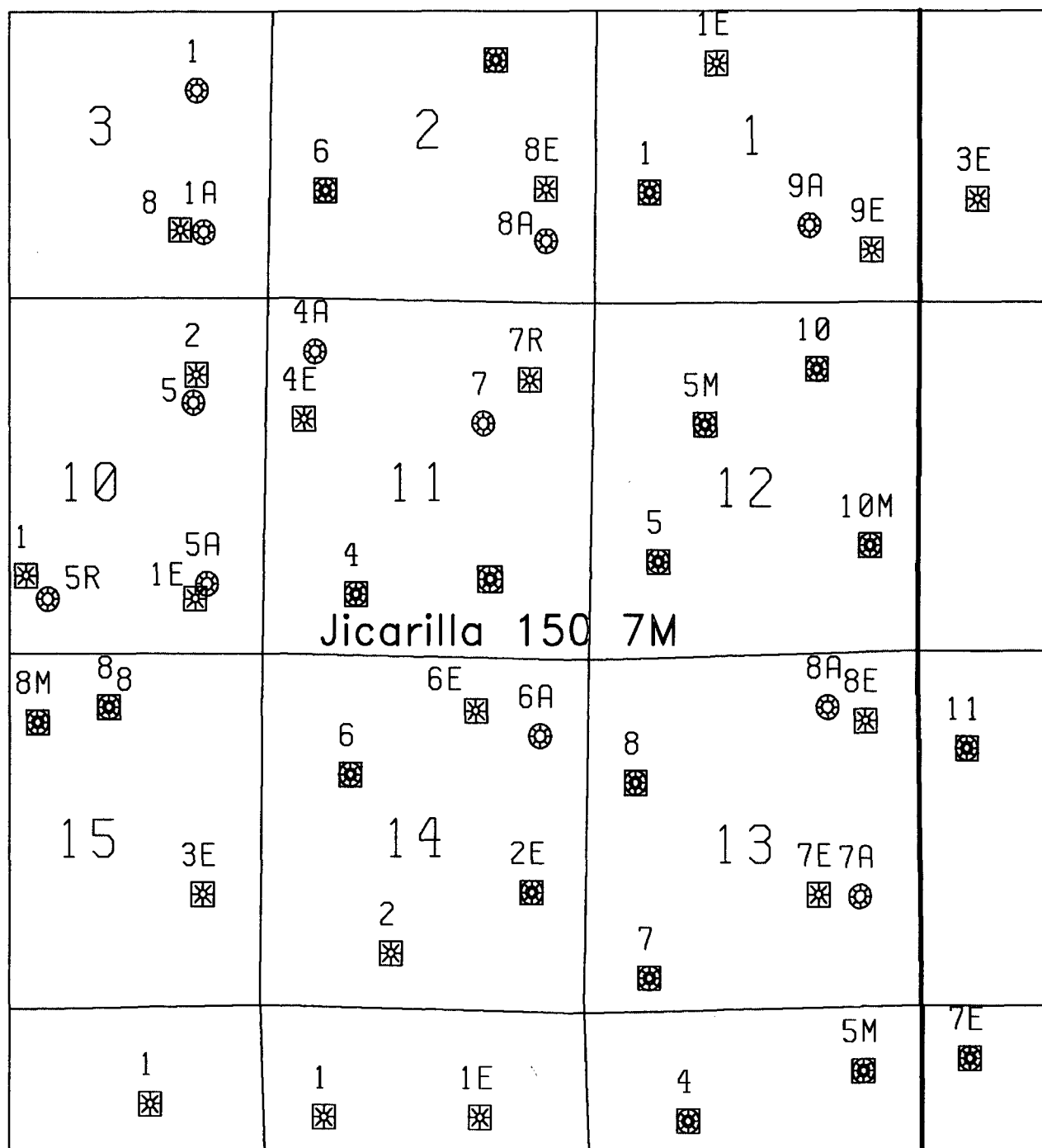
OFFSET OPERATOR/OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 26 North, Range 5 West



1) Burlington Resources



PLH 4/29/98

Jicarilla 150 7M
Sec. 11, T26N, R5W
Mesaverde/Dakota