

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 ☐ NOBURLINGTON RESOURCES OIL & GAS COMPANY
OperatorPO Box 4289, Farmington, NM 87499
AddressJicarilla 150
Lease5M
Well No.F, Sec 12, T26N, R5W
Unit Ltr. - Sec - Twp - RgeRio Arriba
County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 16344 API NO. 30-039-2301800 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 Mesa Verde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	5578' - 6188'		8148' - 8336'
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. 357 psia @ 5883' (Original) b. 2720 psia @ 5883'	a. RECEIVED JUL 14 1999 b. OIL CON. DIV. DIST. 3	a. 454 psia @ 8242' b. 2169 psia @ 8242'
6. Oil Gravity (EAPI) or Gas BTU Content	1173 BTU		1217 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: 05/31/99 Rates: 174 MCFD 0.3 BOD, 0 BWD	Date: Rates:	Date: 05/31/99 Rates: 115 MCFD, 0.3 BOD, 0 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 ☐ 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 Timothy J. Friesenhahn TITLE Operations Engineer DATE 07-02-99TYPE OR PRINT NAME Timothy J. Friesenhahn TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes
Effective 1

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

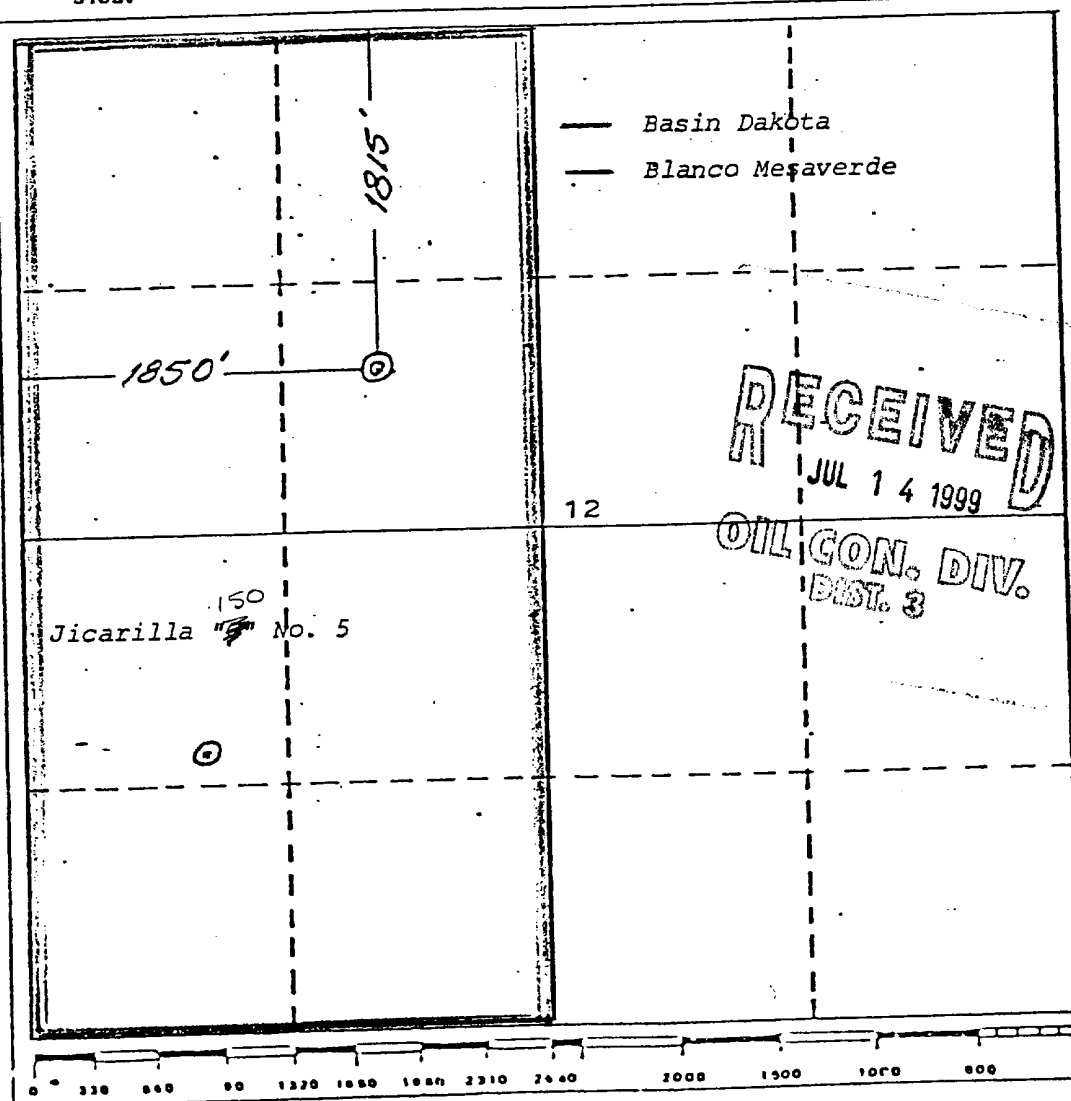
Operator SUPRON ENERGY CORPORATION			Lease JICARILLA 150		Well No. 5E
Unit Letter F	Section 12	Township 26 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well 1815 feet from the NORTH line and 1850 feet from the WEST line					
Ground Level Elev. 7263	Producing Formation DAKOTA MESAVARDE		Pool BASIN BLANCO		Dedicated Acreage: W/2 320.00

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

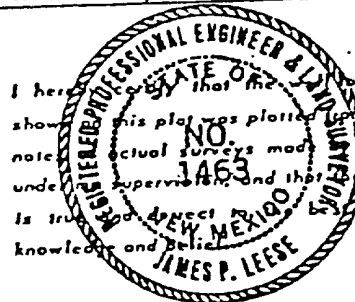
Rudy D. Motto
Area Superintendent

Rudy D. Motto
Company

Rudy D. Motto
Supron Energy Corporation

Rudy D. Motto
Date

Rudy D. Motto
March 25, 1982

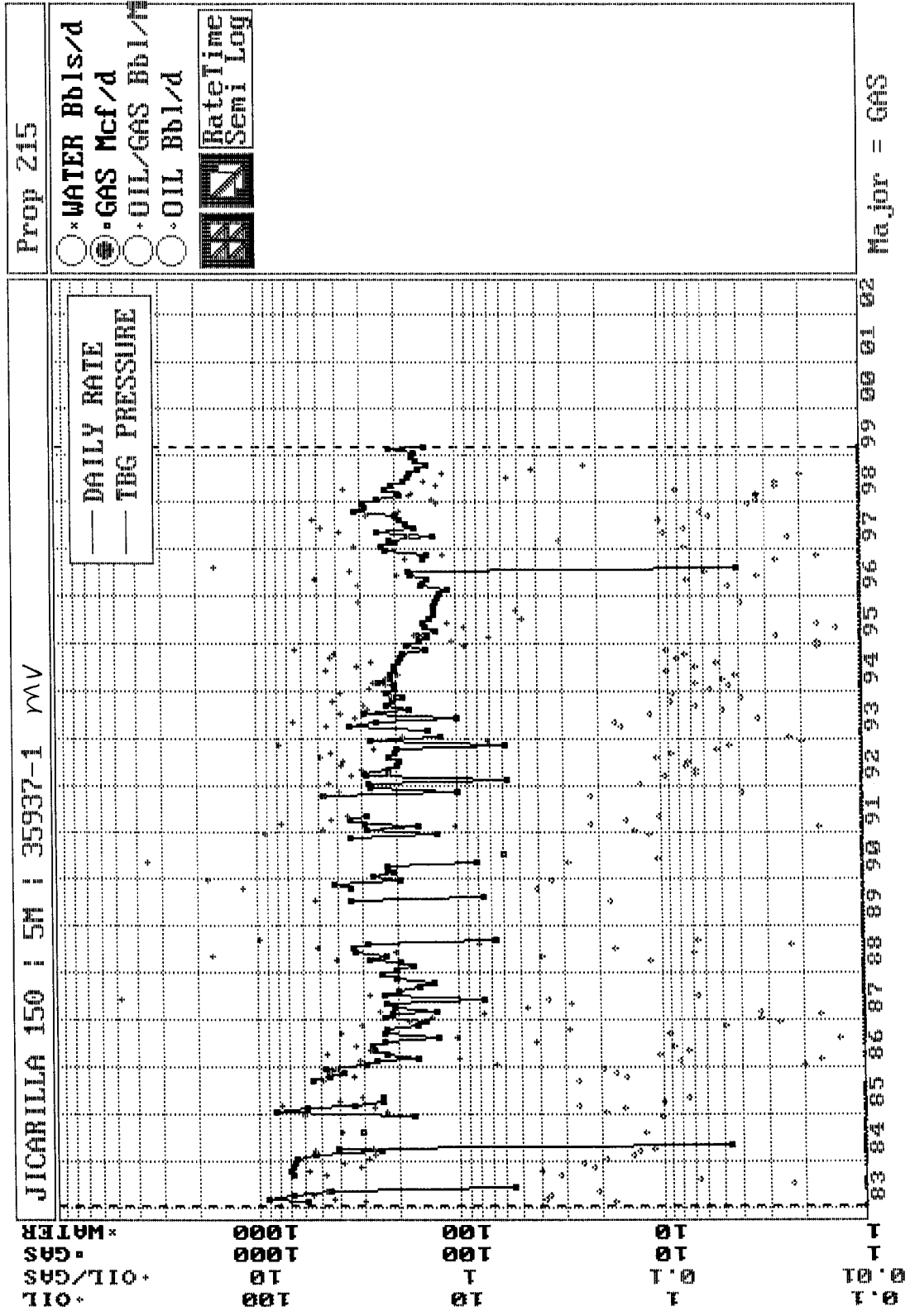


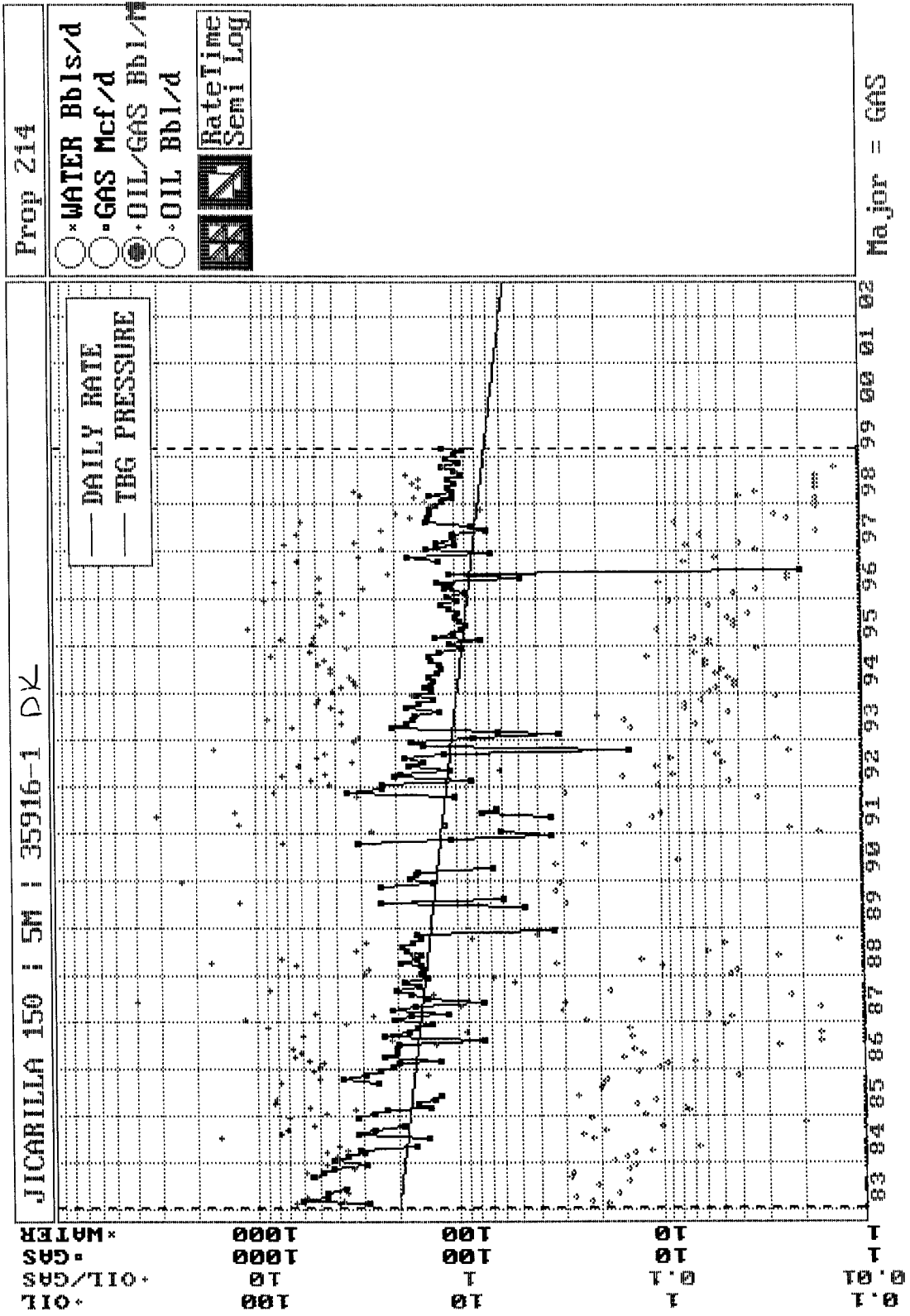
Date Surveyed
March 24, 1982

Registered Professional Engineer
and/or Land Surveyor

James P. Leese
James P. Leese

Certificate No.
1463





Page No.: 1
Print Time: Thu Jun 10 14:31:28 1999
Property ID: 1034
Property Name: JICARILLA 150 | 5M | 35916-1 DAKOTA
Table Name: K:\ARIES\RR99PDP\TEST.DBF

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

09/24/82	0	853.0
04/03/83	41216	1713.0
05/02/84	168066	1047.0
05/29/85	234694	1000.0
01/13/88	405075	889.0
11/02/90	508076	830.0
04/29/92	563174	850.0

3/99 854812 313 Current BASED ON CumGas vs Pressure Curve

Page No.: 2
Print Time: Thu Jun 10 14:31:28 1999
Property ID: 3156
Property Name: JICARILLA 150 | 5M | 35937-1 *Mesa Verde*
Table Name: K:\ARIES\RR99PDP\TEST.DBF

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

09/17/82	0	2250.0
11/08/82	0	840.0
04/03/83	65978	664.0
05/02/84	221912	537.0
05/29/85	304286	540.0
04/23/86	389254	517.0
11/29/89	609974	597.0
05/15/91	704320	346.0
06/04/91	704299	358.0
04/29/93	824696	427.0

3/99	1,210,148	308
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Original
Current
Based on CumGas vs Pressure Curve

Jicarilla 150 #5M
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.708	GAS GRAVITY	0.683
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.38	%N2	0.31
%CO2	1.04	%CO2	0.89
%H2S	0	%H2S	0
DIAMETER (IN)	12.715	DIAMETER (IN)	6.276
DEPTH (FT)	5883	DEPTH (FT)	8242
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	138	BOTTOMHOLE TEMPERATURE (DEG F)	170
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	308	SURFACE PRESSURE (PSIA)	373
BOTTOMHOLE PRESSURE (PSIA)	357.3	BOTTOMHOLE PRESSURE (PSIA)	453.8
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.708	GAS GRAVITY	0.683
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.38	%N2	0.31
%CO2	1.04	%CO2	0.89
%H2S	0	%H2S	0
DIAMETER (IN)	12.715	DIAMETER (IN)	6.276
DEPTH (FT)	5883	DEPTH (FT)	8242
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	138	BOTTOMHOLE TEMPERATURE (DEG F)	170
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2250	SURFACE PRESSURE (PSIA)	1713
BOTTOMHOLE PRESSURE (PSIA)	2720.5	BOTTOMHOLE PRESSURE (PSIA)	2169.0

Cumulative Monthly Well Report

December 1998 -- June 1999

Select By : Completions
Sort By :

Page No : 1
Report Number : R_290
Last Update :
Print Date : 06/23/1999, 1:42:43

Completion	Date	Cur Oil	Cum Oil	Cur Gas	Cum Gas	Cur Wat	Cum Wat
JICARILLA 150	12/31/1998	6.68	11.68	3,298.93	8,109.58	0.00	0.00
5M	01/31/1999	6.68	18.36	3,028.35	11,137.93	0.00	0.00
DK	02/28/1999	12.52	30.88	2,772.48	13,910.41	0.00	0.00
	03/31/1999	9.18	40.06	3,441.08	17,351.49	0.00	0.00
	04/30/1999	8.35	48.40	2,705.81	20,057.30	0.00	0.00
	05/31/1999	8.35	56.75	3,580.30	23,637.60	0.00	0.00
MV	06/30/1999	0.00	56.75	0.00	23,637.60	0.00	0.00
	12/31/1998	0.00	98.67	4,948.89	8,004.08	0.00	0.00
	01/31/1999	14.19	112.85	4,850.85	12,854.93	0.00	0.00
	02/28/1999	20.03	132.88	6,412.57	19,267.50	0.00	0.00
	03/31/1999	11.68	144.56	4,278.32	23,545.82	0.00	0.00
	04/30/1999	12.52	157.08	5,386.13	28,931.95	0.00	0.00
	05/31/1999	9.18	166.26	5,392.99	34,324.94	0.00	0.00
	06/30/1999	0.00	166.26	0.00	34,324.94	0.00	0.00

Cumulative Monthly Well Report

May 1998 -- May 1999

Select By : Completions

Sort By :

Page No : 1
Report Number : R_290
Last Update :
Print Date : 05/13/1999, 10:44:49

Completion	Date	Cur Oil	Cum Oil	Cur Gas	Cum Gas	Cur Wat	Cum Wat
JICARILLA 150	10/31/1998	93.66	93.66	120.00	120.00	0.00	0.00
3/31/99	11/30/1998	5.01	98.67	2,935.19	3,055.19	0.00	0.00
5M	12/31/1998	6.68	105.34	3,298.93	6,354.12	0.00	0.00
	01/31/1999	6.68	112.02	3,028.35	9,382.47	0.00	0.00
	02/28/1999	12.52	124.54	2,772.48	12,154.95	0.00	0.00
	03/31/1999	9.18	133.72	3,441.08	15,596.03	0.00	0.00
	04/30/1999	8.35	142.06	0.00	15,596.03	0.00	0.00
	05/31/1999	0.00	142.06	0.00	15,596.03	0.00	0.00
	11/30/1998	5.01	5.01	4,810.65	4,810.65	0.00	0.00
	12/31/1998	0.00	5.01	4,948.89	9,759.54	0.00	0.00
	01/31/1999	14.19	19.19	4,850.85	14,610.39	0.00	0.00
	02/28/1999	20.03	39.22	6,412.57	21,022.96	0.00	0.00
	03/31/1999	11.68	50.90	4,278.32	25,301.28	0.00	0.00
	04/30/1999	12.52	63.42	0.00	25,301.28	0.00	0.00
	05/31/1999	0.00	63.42	0.00	25,301.28	0.00	0.00

8422.71
15596
= 3055
854 812

41187
142
4329

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6.68
1189658
+25301
= 4811.638
1,210,148

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3844
63
3907

FARMINGTON

ANNUAL PRODUCTION FOR 35937

PHS020M1

JICARILLA 150 5M

BLANCO MESAVERDE (PRORATED GAS FIELD MESAVERDE ZONE

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

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

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

PC DATE

BBLs

PC DATE

MCF

DATE

BBLs

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=====
YEAR      OIL      OIL CUM      GAS      GAS CUM      WATER      WATER CUM
1993      249      3256      69579     875710
1994      224      3480      72963     948673
1995       41      3521      50590     999263
1996       79      3600      46711    1045974
1997      161      3761      81198    1127172
1998       83      3844      62486    1189658
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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

1998 MONTHLY PRODUCTION FOR 35937

PHS030M1

JICARILLA 150 5M

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	10		01	7602	31	1201	15.025			
2	2	F	28	02	10		01	5815	28	1201	15.025			
3	2	F	31	02	10		01	5986	31	1201	15.025			
4	2	F	25	02	25		01	6825	25	1198	15.025			
5	2	F	31	02	8		01	6357	31	1198	15.025			
6	2	F	30	02	8		01	5507	30	1198	15.025			
7	2	F	31	02	3		01	5362	31	1198	15.025			
8	2	F	31	02	6		01	5150	31	1198	15.025			
9	2	F	30	02	2		01	4756	30	1198	15.025			
10	2	F	31	02	1		01	4315	31	1198	15.025			
11	2	F					01	4811		1198	15.025			
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 02/03/99

FARMINGTON ANNUAL PRODUCTION FOR 35916 PHS020M1
 JICARILLA 150 5M
 BASIN DAKOTA (PRORATED GAS) FIELD DAKOTA 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
1993	203	3512	50136	647190		197
1994	205	3717	46757	693947		197
1995	180	3897	37262	731209		197
1996	112	4009	32519	763728		197
1997	119	4128	42566	806294		197
1998	59	4187	35977	842271		197

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

1998 MONTHLY PRODUCTION FOR 35916

PHS030M1

JICARILLA 150 5M

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	5		01	3522	31	1143	15.025				
2	2	F	28	02	5		01	3158	28	1143	15.025				
3	2	F	31	02	12		01	4057	31	1143	15.025				
4	2	F	28	02	10		01	3166	28	1166	15.025				
5	2	F	31	02	5		01	3298	31	1166	15.025				
6	2	F	30	02	5		01	3107	30	1166	15.025				
7	2	F	31	02	5		01	3267	31	1166	15.025				
8	2	F	31	02	5		01	2894	31	1166	15.025				
9	2	F	30	02	3		01	3051	30	1166	15.025				
10	2	F	31	02	4		01	3522	31	1166	15.025				
11	2	F					01	2935		1166	15.025				
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 02/03/99

BURLINGTON RESOURCES OIL AND GAS COMPANY

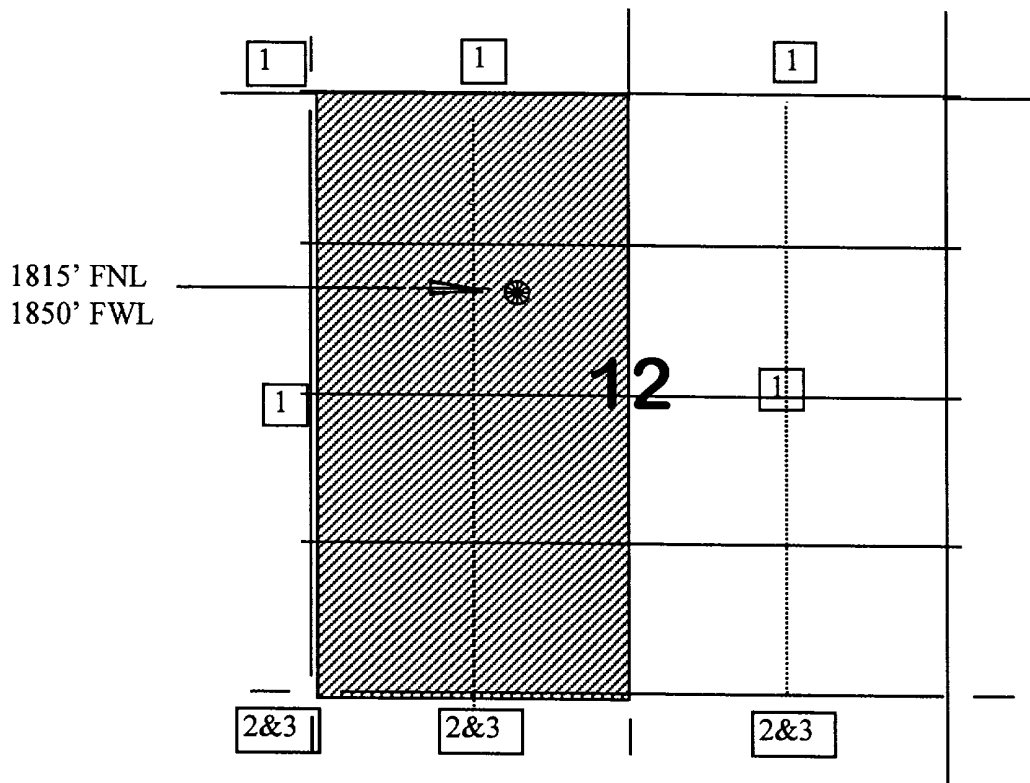
Jicarilla 150 #5M

OFFSET OPERATOR/OWNER PLAT

Mesaverde & Dakota Formations

Commingle well

Township 26 North, Range 5 West

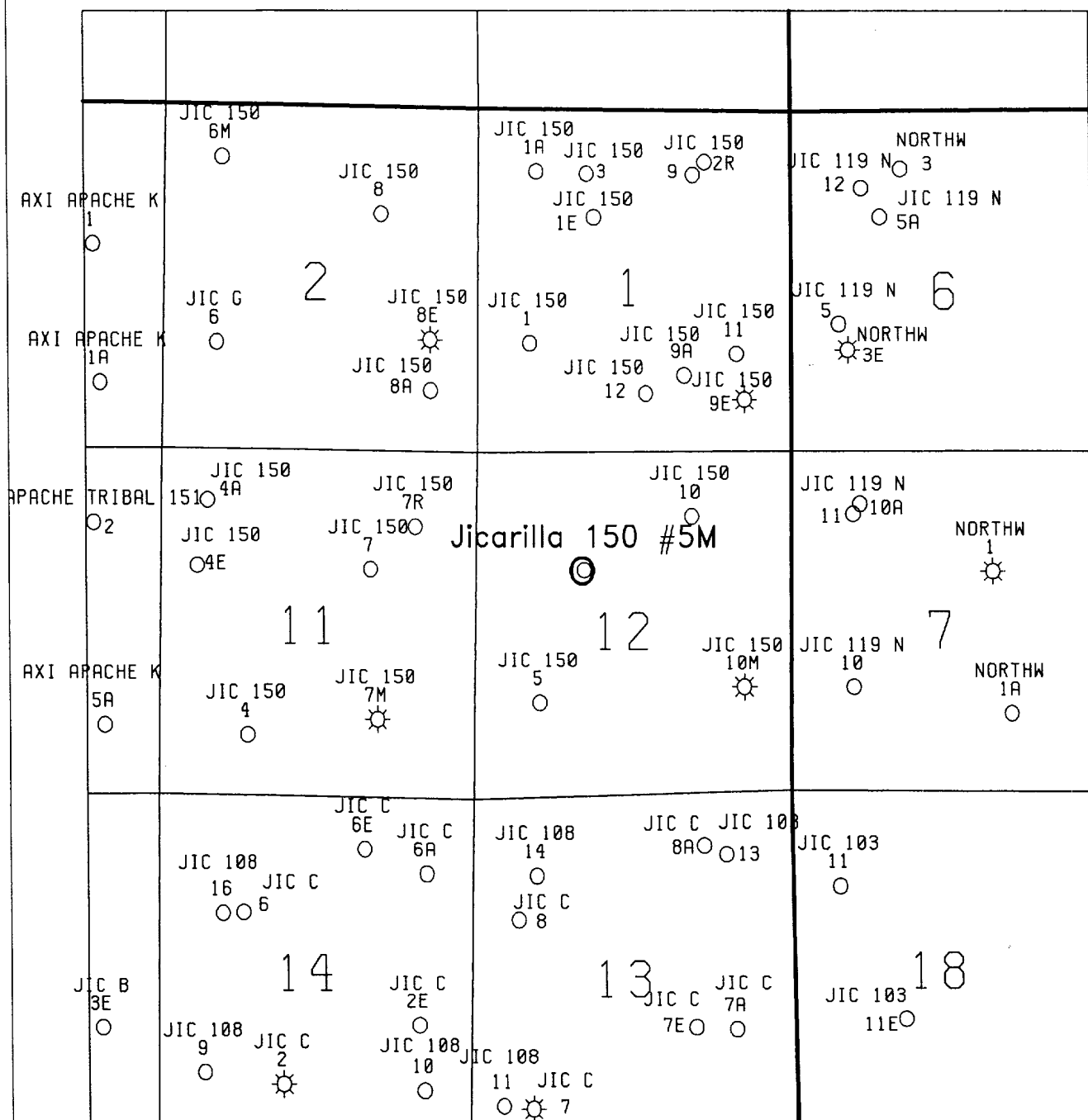


1) Burlington Resources

**2) Amoco Production Company
C/O Don Duhrkopf
501 West Lake Park Blvd.
Houston, TX 77079-2696**

3) Energen Resources MAQ, Inc.

**Attn: Rich Corcoran
2198 Bloomfield Highway
Farmington, NM 87401**



Jicarilla 150 #5M
Sec 12, T26N, R5W
Mesa Verde/Dakota