

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 87505-6429

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A New 3-12-96

APPROVAL PROCESS :

X Administrative Hearing

EXISTING WELLBORE

X YES NO

BURLINGTON RESOURCES OIL & GAS COMPANY Operator

PO Box 4289, Farmington, NM 87499 Address

Hare

17 M

F, Sec. 15, 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 7091 API NO. 30-045-2483300 Federal X State (and/or) Fee

Table with 4 columns: Upper Zone, Intermediate Zone, Lower Zone, and various production/pressure data rows.

- 9. If allocation formula is based upon something other than current or past production...
10. Are all working, overriding, and royalty interests identical in all commingled zones?
11. Will cross-flow occur?
12. Are all produced fluids from all commingled zones compatible with each other?
13. Will the value of production be decreased by commingling?
14. If this well is on, or communitized with, state or federal lands...
15. NMOCD Reference Cases for Rule 303(D) Exceptions ORDER NO(S).
16. ATTACHMENTS:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Operations Engineer DATE 03-15-99

TYPE OR PRINT NAME Kevin L. Midkiff TELEPHONE NO. (505) 326-9700

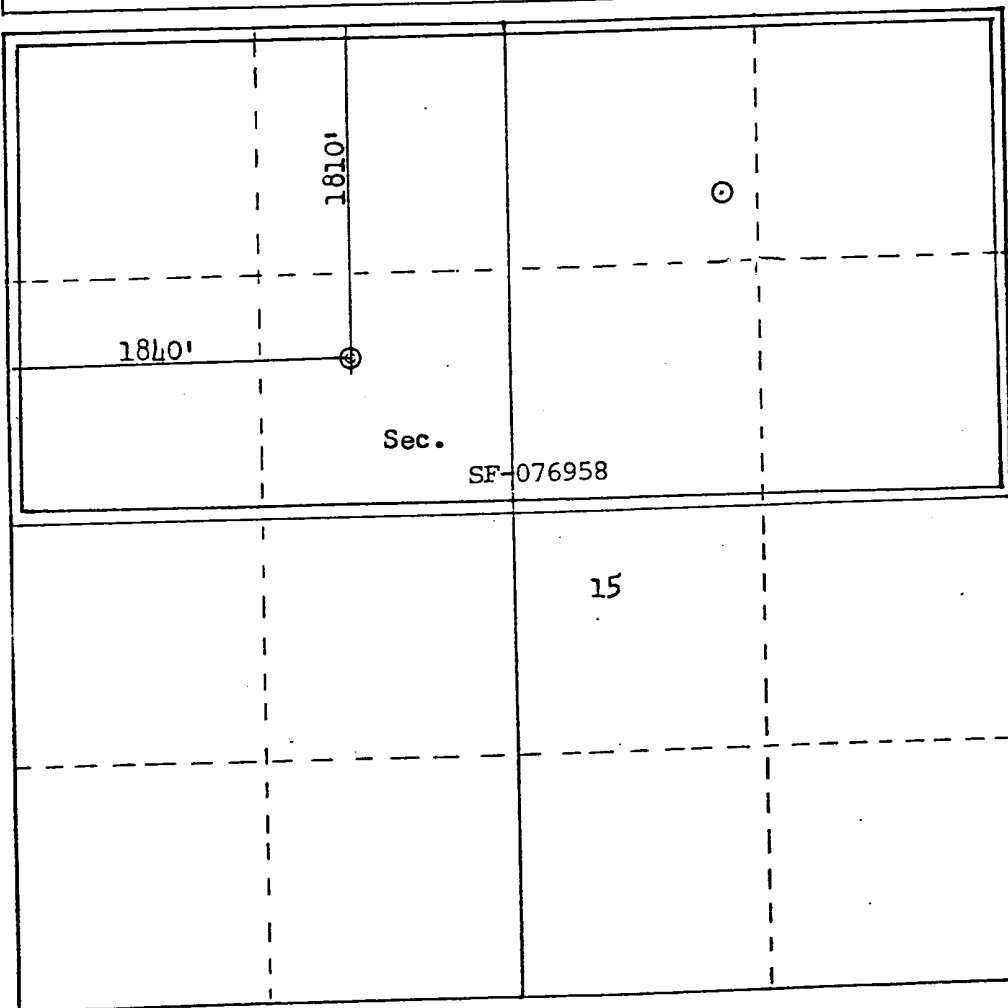
All distances must be from the outer boundaries of the Section.

Operator SOUTHLAND ROYALTY COMPANY			Lease HARE		Well No. 17M
Unit Letter F	Section 15	Township 29N	Range 10W	County San Juan	
Actual Footage Location of Well: 1810 feet from the North line and 1840 feet from the West line					
Ground Level Elev: 5741	Producing Formation Mesa Verde/Dakota		Pool Blanco/Basin		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 _____

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.



Scale: 1"=1000'

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
Robert E. Fielder

Position
District Engineer

Company
Southland Royalty Company

Date

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
December 1, 1980

Registered Professional Engineer and
Lead Surveyor of
Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. **3950**

Prop 125 *

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

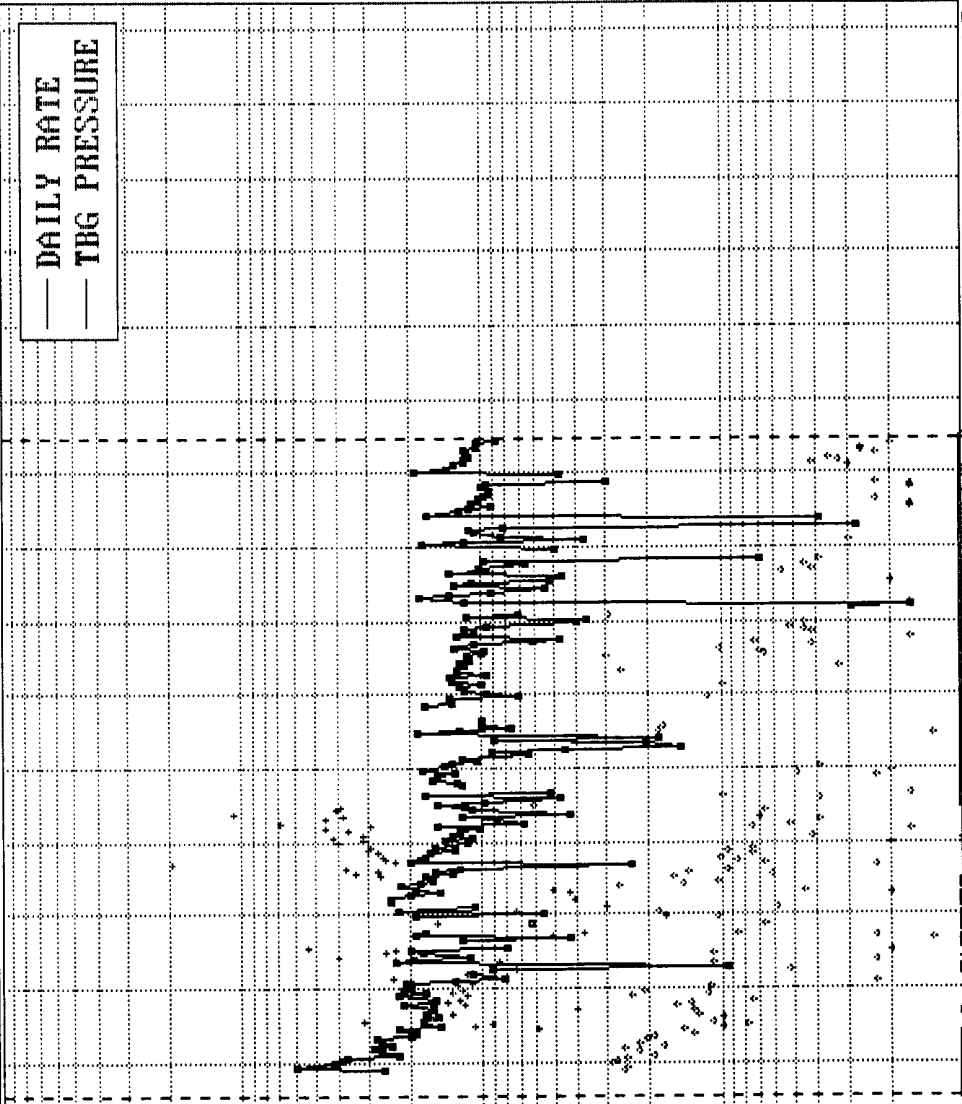
RateTime
Semi Log

HARE : 17E : 27262-1 M V

— DAILY RATE
— TBG PRESSURE

• OIL 100
• WATER/GAS 10
• GAS 1000
• WATER 1000

0.1
0.01
1
10
100
1000



Major = GAS

Hare 17~~E~~^M
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>																																																
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Page No.: 2

Print Time: Thu Mar 11 16:14:11 1999 *Dakota*

Property ID: 685

Property Name: HARE | 17^M | 27263-1

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

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

05/28/81	0	849.0	<i>Original</i>
06/09/82	35192	514.0	
05/02/83	59381	579.0	
12/04/85	104891	504.0	
08/17/88	140725	403.0	
03/21/90	159827	273.0	
04/29/92	175629	342.0	

1/31/99 258,103 173 *CURRENT*

Based on Pressure vs Cum Gas Curve

Page No.: 1

Print Time: Thu Mar 11 16:14:10 1999

Property ID: 2867

Property Name: HARE | 17^M | 27262-1 *Mesa Verde*

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

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

04/30/81	0	1100.0	<i>Original</i>
12/02/81	38929	826.0	
06/09/82	93232	704.0	
05/02/83	154056	638.0	
04/04/84	213070	591.0	
03/12/86	285896	552.0	
05/10/89	443804	446.0	
04/10/91	514333	592.0	
09/10/91	519589	604.0	
05/31/93	588264	361.0	
<i>1/31/99</i>	<i>769,590</i>	<i>254</i>	<i>Current BASED ON PRESSURE VS CUM GAS CURVE</i>

FARMINGTON
HARE 17~~8~~M

ANNUAL PRODUCTION FOR 27262

PHS020M1

BLANCO MESAVERDE (PRORATED GAS FIELD MESAVERDE 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	146	2753	27960	530080		555
1992	119	2872	43125	573205		555
1993	262	3134	35138	608343		555
1994	98	3232	28793	637136		555
1995	65	3297	23361	660497		555
1996	14	3311	31170	691667		555
1997	42	3353	29831	721498		555
1998 <i>through</i> <i>11/98</i>	73	3426	41098	762596		555

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
HARE 17~~1~~M

1998 MONTHLY PRODUCTION FOR 27262

PHS030M1

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	1		01	5890	31	1239	15.025			
2	2	F	28	02			01	4275	28	1239	15.025			
3	2	F	31	02	9		01	3979	31	1239	15.025			
4	2	F	27	02	13		01	3593	27	1239	15.025			
5	2	F	31	02	10		01	3644	31	1239	15.025			
6	2	F	30	02	11		01	3430	30	1239	15.025			
7	2	F	31	02	7		01	3524	31	1239	15.025			
8	2	F	31	02	8		01	3616	31	1239	15.025			
9	2	F	30	02	8		01	3241	30	1239	15.025			
10	2	F	31	02	6		01	3210	31	1239	15.025			
11	2	F					01	2696		1239	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 27263

PHS020M1

HARE 17 ~~X~~ M

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
1991          194        1447        11030    173345                474
1992           72        1519        13008    186353                474
1993           89        1608        14933    201286                474
1994           71        1679         9794    211080                474
1995           88        1767        12580    223660                474
1996           92        1859        12509    236169                474
1997           81        1940        10416    246585                474
1998 through 42        1982        10659    257244                474
      11/98
=====

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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
HARE 17~~A~~M

1998 MONTHLY PRODUCTION FOR 27263

PHS030M1

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	7		01	1806	31	1243	15.025				
2	2 F	28	02	1		01	514	28	1243	15.025				
3	2 F	31	02	7		01	1622	31	1243	15.025				
4	2 F	25	02			01	10	25	1243	15.025				
5	2 F	31	02	7		01	1660	31	1243	15.025				
6	2 F	30	02	10		01	1403	30	1243	15.025				
7	2 F	31	02	3		01	972	31	1243	15.025				
8	2 F	31	02	4		01	1334	31	1243	15.025				
9	2 F	30	02			01	127	30	1243	15.025				
10	2 F	31	02	3		01	1032	31	1243	15.025				
11	2 F					01	179		1243	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

Gas Meter Vol. History (Act.)

Sunday, November 01, 1998 Through Monday, March 01, 1999

Select By : Gas Meters

Pressure Base : None

Page No : 1

Sort By :

Units : A.P.I.

Report Number : R_040

Sort By :

Rounded (y/n) : No

Print Date : 03/04/1999, 8:35:02 AM

Meter	Volume Date	Ticket #	Volume	Heat Value	Period		Disp.	Prod.	Purchaser	Gatherer
					Start	End				
HARE	11/01/1998	1800016508	7.00	9.00	11/01/1998	11/01/1998	20	100		WILLIAMS FIELD SERV
	11/02/1998	1800016291	3.00	4.00	11/02/1998	11/02/1998	20	100		WILLIAMS FIELD SERV
	11/03/1998	1800016495	3.00	4.00	11/03/1998	11/03/1998	20	100		WILLIAMS FIELD SERV
	11/04/1998	1800016328	3.00	4.00	11/04/1998	11/04/1998	20	100		WILLIAMS FIELD SERV
	11/05/1998	1800018211	3.00	4.00	11/05/1998	11/05/1998	20	100		WILLIAMS FIELD SERV
	11/06/1998	1800018304	7.00	9.00	11/06/1998	11/06/1998	20	100		WILLIAMS FIELD SERV
	11/08/1998	1800018225	3.00	4.00	11/08/1998	11/08/1998	20	100		WILLIAMS FIELD SERV
	11/09/1998	1800018247	3.00	4.00	11/09/1998	11/09/1998	20	100		WILLIAMS FIELD SERV
	11/10/1998	1800017829	3.00	4.00	11/10/1998	11/10/1998	20	100		WILLIAMS FIELD SERV
	11/11/1998	1800017884	3.00	4.00	11/11/1998	11/11/1998	20	100		WILLIAMS FIELD SERV
	11/12/1998	1800017817	3.00	4.00	11/12/1998	11/12/1998	20	100		WILLIAMS FIELD SERV
	11/14/1998	1800017870	3.00	4.00	11/14/1998	11/14/1998	20	100		WILLIAMS FIELD SERV
	11/15/1998	1800018032	3.00	4.00	11/15/1998	11/15/1998	20	100		WILLIAMS FIELD SERV
	11/16/1998	1800017974	3.00	4.00	11/16/1998	11/16/1998	20	100		WILLIAMS FIELD SERV
	11/17/1998	1800018041	3.00	4.00	11/17/1998	11/17/1998	20	100		WILLIAMS FIELD SERV
	11/18/1998	1800016626	3.00	4.00	11/18/1998	11/18/1998	20	100		WILLIAMS FIELD SERV
	11/19/1998	1800016643	3.00	4.00	11/19/1998	11/19/1998	20	100		WILLIAMS FIELD SERV
	11/22/1998	1800016749	3.00	4.00	11/22/1998	11/22/1998	20	100		WILLIAMS FIELD SERV
	11/30/1998	1800016351	121.00	153.00	11/30/1998	11/30/1998	20	100		WILLIAMS FIELD SERV
	Totals --	11/1998		183.00	235.00					
	12/01/1998	8800005667	856.00	1,083.00	12/01/1998	12/31/1998	20	100		WILLIAMS FIELD SERV
Totals --	1998		1,039.00	1,318.00						
	01/01/1999	6100001285	3.00	4.00	01/01/1999	01/31/1999	20	100		WILLIAMS FIELD SERV
Totals --	01/1999		1,042.00	1,322.00						
HARE	11/01/1998	1800025969	90.00	113.00	11/01/1998	11/01/1998	20	100		WILLIAMS FIELD SERV
	11/02/1998	1800026147	52.00	66.00	11/02/1998	11/02/1998	20	100		WILLIAMS FIELD SERV
	11/02/1998	1800026148	48.00	61.00	11/02/1998	11/02/1998	20	100		WILLIAMS FIELD SERV
	11/03/1998	1800025954	83.00	105.00	11/03/1998	11/03/1998	20	100		WILLIAMS FIELD SERV
	11/04/1998	1800026006	86.00	108.00	11/04/1998	11/04/1998	20	100		WILLIAMS FIELD SERV
	11/05/1998	1800025282	100.00	126.00	11/05/1998	11/05/1998	20	100		WILLIAMS FIELD SERV
	11/06/1998	1800024586	83.00	105.00	11/06/1998	11/06/1998	20	100		WILLIAMS FIELD SERV
	11/07/1998	1800025274	97.00	122.00	11/07/1998	11/07/1998	20	100		WILLIAMS FIELD SERV
	11/08/1998	1800024550	169.00	213.00	11/08/1998	11/08/1998	20	100		WILLIAMS FIELD SERV
	11/09/1998	1800024585	141.00	178.00	11/09/1998	11/09/1998	20	100		WILLIAMS FIELD SERV
	11/10/1998	1800024649	135.00	170.00	11/10/1998	11/10/1998	20	100		WILLIAMS FIELD SERV
	11/11/1998	1800024634	124.00	156.00	11/11/1998	11/11/1998	20	100		WILLIAMS FIELD SERV
	11/12/1998	1800024643	107.00	135.00	11/12/1998	11/12/1998	20	100		WILLIAMS FIELD SERV
	11/13/1998	1800024425	79.00	100.00	11/13/1998	11/13/1998	20	100		WILLIAMS FIELD SERV
	11/14/1998	1800024481	72.00	91.00	11/14/1998	11/14/1998	20	100		WILLIAMS FIELD SERV
	11/15/1998	1800024527	79.00	100.00	11/15/1998	11/15/1998	20	100		WILLIAMS FIELD SERV
	11/16/1998	1800024845	79.00	100.00	11/16/1998	11/16/1998	20	100		WILLIAMS FIELD SERV
	11/17/1998	1800024499	38.00	48.00	11/17/1998	11/17/1998	20	100		WILLIAMS FIELD SERV
	11/17/1998	1800024514	44.00	55.00	11/17/1998	11/17/1998	20	100		WILLIAMS FIELD SERV
	11/18/1998	1800024812	85.00	107.00	11/18/1998	11/18/1998	20	100		WILLIAMS FIELD SERV
11/19/1998	1800024926	75.00	95.00	11/19/1998	11/19/1998	20	100		WILLIAMS FIELD SERV	
11/20/1998	1800024906	85.00	107.00	11/20/1998	11/20/1998	20	100		WILLIAMS FIELD SERV	
11/21/1998	1800024881	79.00	100.00	11/21/1998	11/21/1998	20	100		WILLIAMS FIELD SERV	
11/22/1998	1800024708	99.00	125.00	11/22/1998	11/22/1998	20	100		WILLIAMS FIELD SERV	
11/23/1998	1800024717	106.00	134.00	11/23/1998	11/23/1998	20	100		WILLIAMS FIELD SERV	
11/24/1998	1800024788	61.00	77.00	11/24/1998	11/24/1998	20	100		WILLIAMS FIELD SERV	
11/25/1998	1800024678	89.00	112.00	11/25/1998	11/25/1998	20	100		WILLIAMS FIELD SERV	

3 HARE (17E) = 11 MCFD

Totals -- HARE 17E 34992
HARE 17E 39213

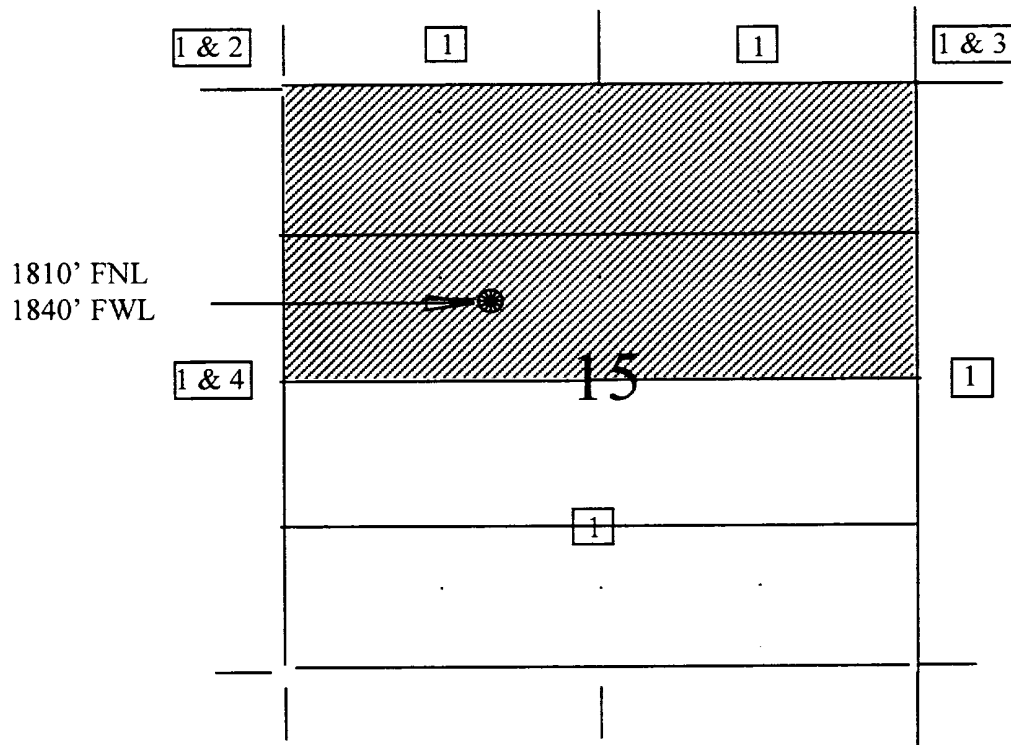
3 HARE (17E) = 107 MCFD

BURLINGTON RESOURCES OIL AND GAS COMPANY

**Hare #17M
OFFSET OPERATOR \ OWNER PLAT
Downhole Commingle**

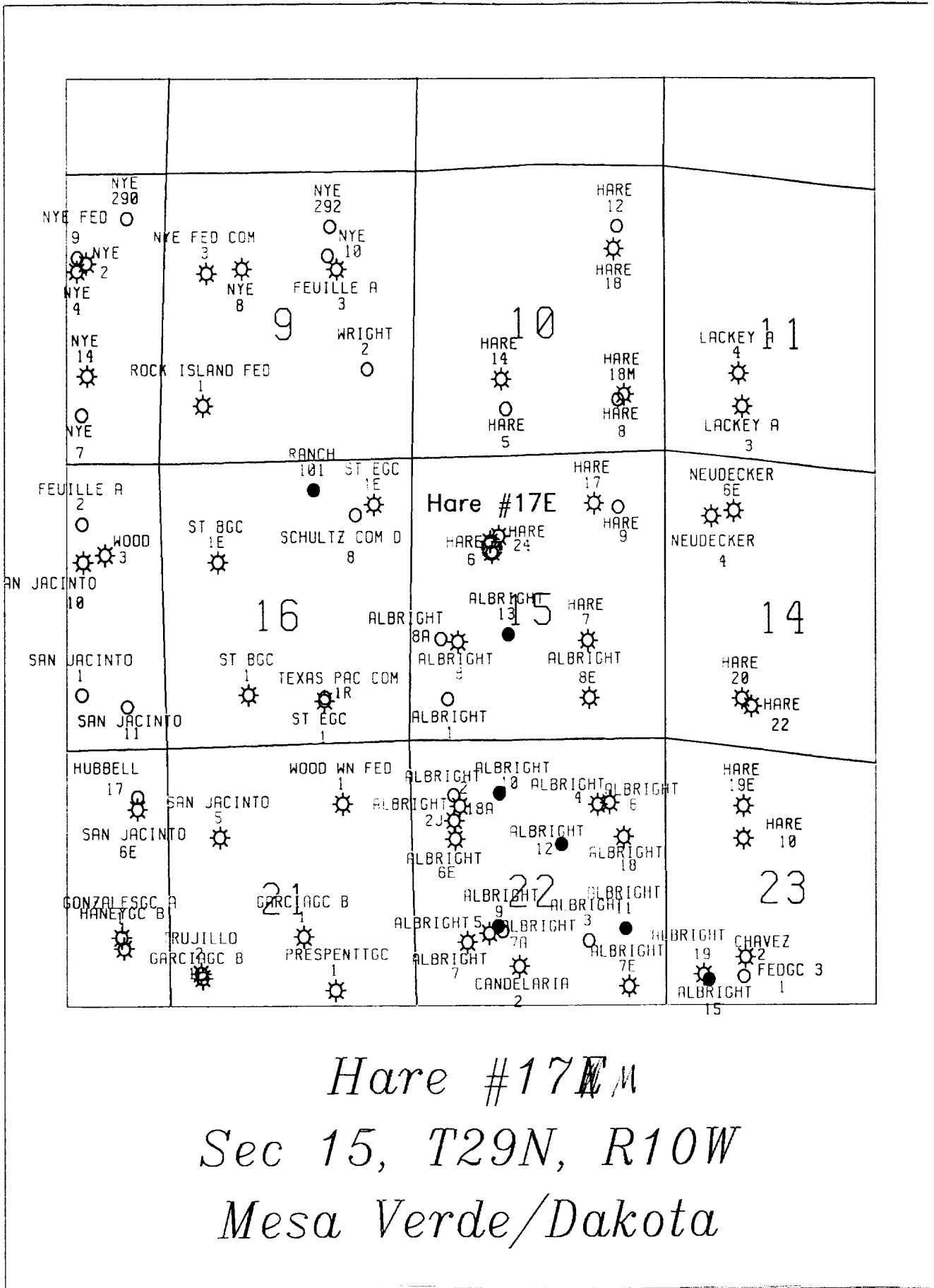
Mesaverde / Dakota Formations Well

Township 29 North, Range 10 West



- 1) Burlington Resources
- 2) Mobil Exploration & Producing
P.O. Box 633
Midland, TX 79702

- 3) Energen Resources MAQ, Inc.
Attn: Rich Corcoran
2198 Bloomfield Highway
Farmington, NM 87401
- 4) Conoco Inc.
Attn: Lori Thorpe
10 Desta Drive, Suite 100W
Midland, TX 79705-4500



Hare #17MM
Sec 15, T29N, R10W
Mesa Verde/Dakota



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-2314

Burlington Resources Oil & Gas Company
P.O. Box 4289
Farmington, New Mexico 87499

Attention: Ms. Peggy Bradfield

Hare No. 17M
API No. 30-045-24833
Unit F, Section 15, Township 29 North, Range 10 West, NMPM,
San Juan County, New Mexico.
Blanco-Mesaverde (Prorated Gas - 72319) and
Basin-Dakota (Prorated Gas - 71599) Pools

RECEIVED
APR 23 1999
OIL CON. DIV.
DIST. 3

Dear Ms. Bradfield:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

The applicant shall consult with the supervisor of the Aztec District Office of the Division upon completion and testing of the well in order to establish a fixed allocation of production from each of the commingled zones. Upon approval by the Division's Aztec District Office, the applicant shall submit the allocation formula to the Santa Fe Office of the Division.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Administrative Order DHC-2314
Burlington Resources Oil & Gas Company
April 22, 1999
Page 2

Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 22nd day of April, 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



LORI WROTENBERY
Director

S E A L

LW/DRC

cc: Oil Conservation Division - Aztec
Bureau of Land Management-Farmington