

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 2040 South Pacheco, Santa Fe, NM 87505



2314

**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

APR - 2 1999

[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, F, 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

## 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

## EXISTING WELLBORE

☒ YES ☐ NO

## APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY  
OperatorPO Box 4289, Farmington, NM 87499  
Address

Hare

Lease

17 M

Well No.

F, Sec. 15, T29N, R10W

Unit Ltr. - Sec - Twp - Rge

San Juan

County

Spacing Unit Lease Types (check 1 or more)

OGRID NO. 14538 Property Code 7091 API NO. 30-045-2483300 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)                                                                                          | 4093'-4553'                                     |                                            | 6559'-6704'                                    |
| 3. Type of production (Oil or Gas)                                                                                                       | Gas                                             |                                            | Gas                                            |
| 4. Method of Production (Flowing or Artificial Lift)                                                                                     | Flowing                                         |                                            | Flowing                                        |
| 5. Bottomhole Pressure                                                                                                                   | (Current)<br>a. 297 psia @ 4323'                | a.                                         | a. 217 psia @ 6632'                            |
| Oil Zones - Artificial Lift:<br>Estimated Current<br>Gas & Oil - Flowing:<br>Measured<br>Current All Gas Zones:<br>Estimated or Measured | (Original)<br>b. 1269 psia @ 4323'              | b.                                         | b. 1034 psia @ 6632'                           |
| 6. Oil Gravity (°API) or Gas BTU Content                                                                                                 | 1261 Btu                                        |                                            | 1265 Btu                                       |
| 7. Producing or Shut-In?                                                                                                                 | Producing                                       |                                            | Shut-In                                        |
| Production Marginal? (yes or no)                                                                                                         | Yes                                             |                                            | Yes                                            |
| * If Shut-In and oil/gas/water rates of last production                                                                                  | Date:<br>Rates:                                 | Date:<br>Rates:                            | Date: 12/31/98<br>Rates: 28 MCFD, 0 BOD, 0 BOW |
| 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 (within 60 days)                                                        | Date: 12/31/98<br>Rates: 112 MCFD, 0 BOD, 0 BOW | Date:<br>Rates:                            | Date:<br>Rates:                                |
| 8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)                                                    | Oil: Gas:<br>Will supply after commingling      | Oil: Gas:<br>Will supply after commingling | Oil: Gas:<br>Will supply after 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 interest 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 common 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 Operations Engineer DATE 03-15-99TYPE OR PRINT NAME Kevin L. Midkiff TELEPHONE NO. (505) 326-9700

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

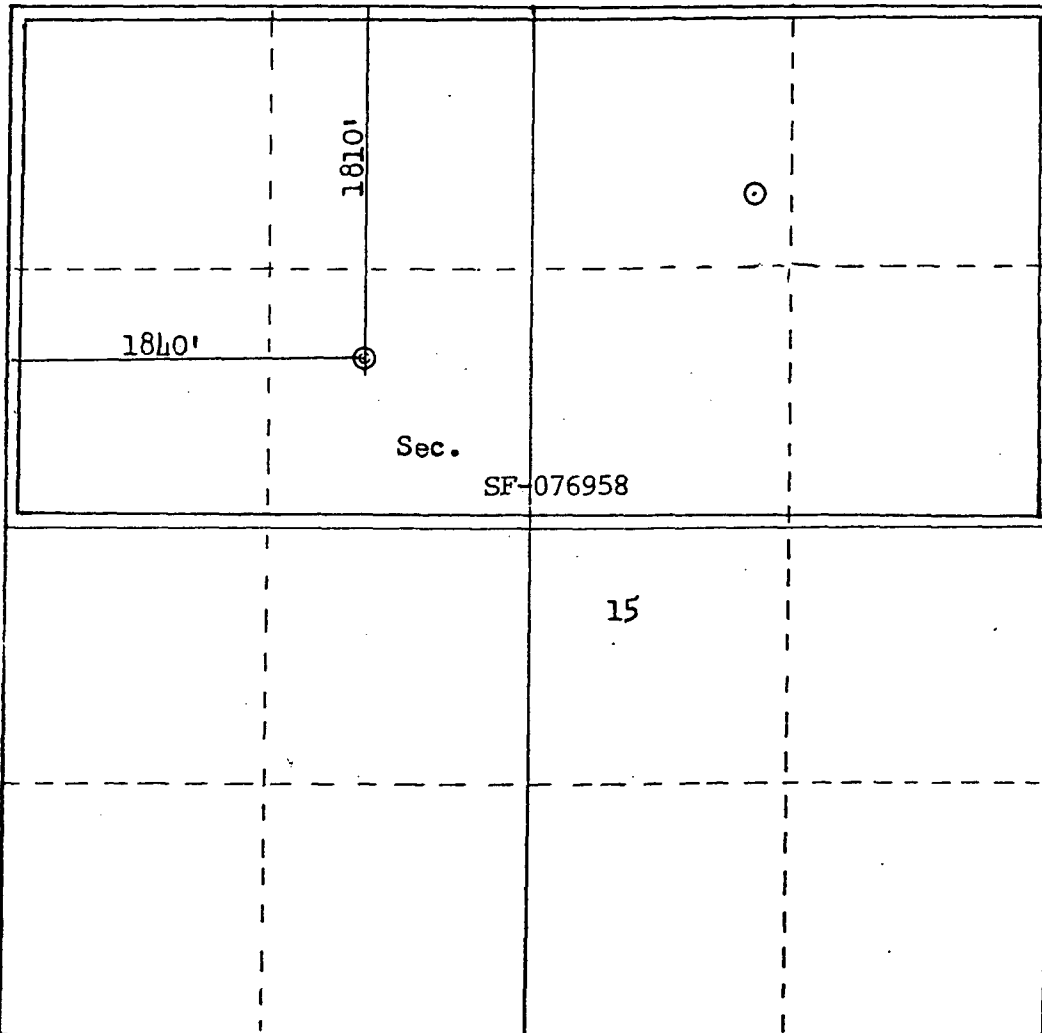
|                                                                                                                                |                                                 |                        |                             |                           |                                        |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------|-----------------------------|---------------------------|----------------------------------------|
| Operator<br><b>SOUTHLAND ROYALTY COMPANY</b>                                                                                   |                                                 |                        | Lease<br><b>HARE</b>        |                           | Well No.<br><b>1721</b>                |
| Unit Letter<br><b>F</b>                                                                                                        | Section<br><b>15</b>                            | Township<br><b>29N</b> | Range<br><b>10W</b>         | County<br><b>San Juan</b> |                                        |
| Actual Footage Location of Well:<br><b>1810</b> feet from the <b>North</b> line and <b>1840</b> feet from the <b>West</b> line |                                                 |                        |                             |                           |                                        |
| Ground Level Elev:<br><b>5741</b>                                                                                              | Producing Formation<br><b>Mesa Verde/Dakota</b> |                        | Pool<br><b>Blanco/Basin</b> |                           | Dedicated Acreage:<br><b>320</b> Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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

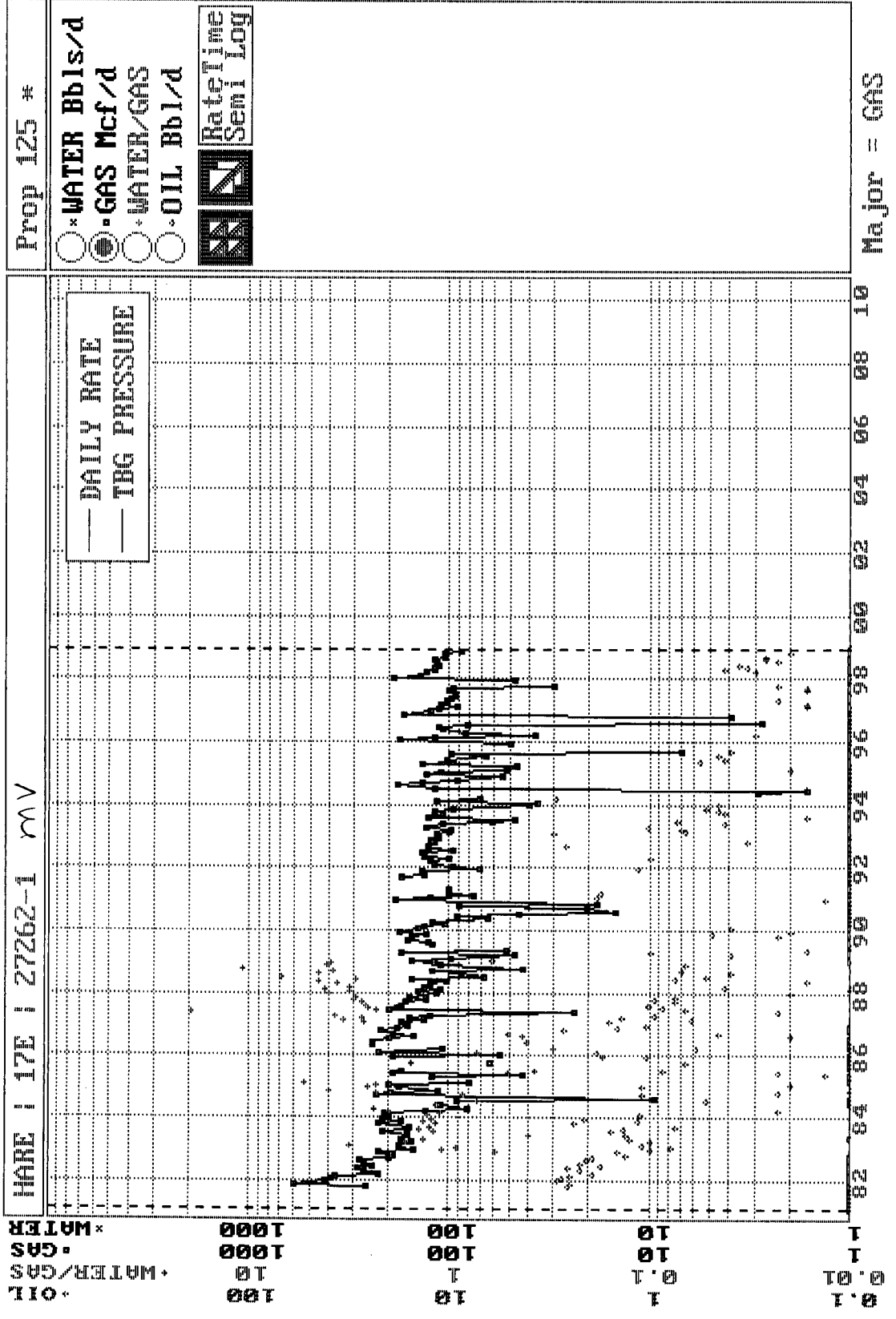
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

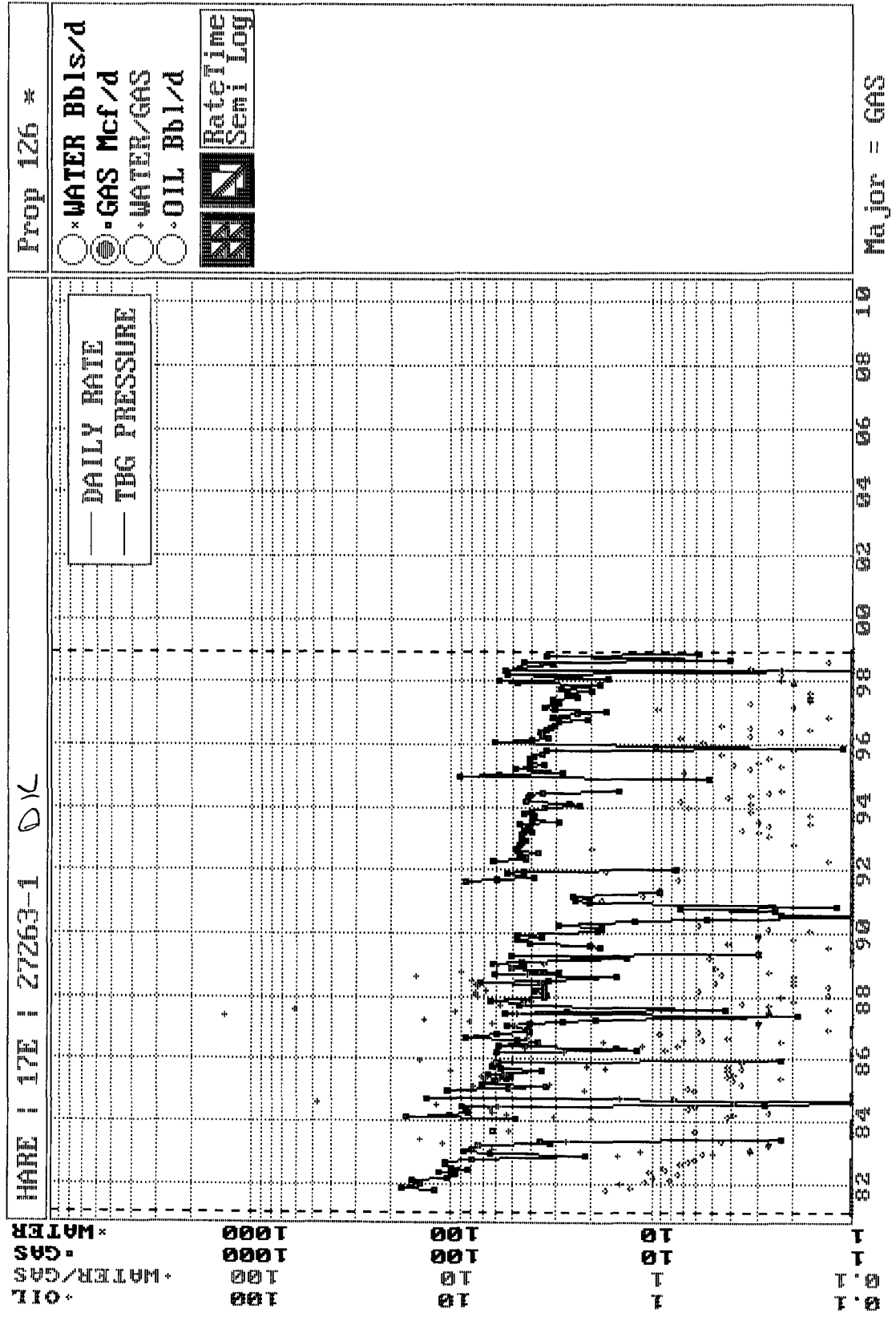
*R. E. Fielder*

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 Land Surveyor  
*Fred B. Kerr, Jr.*  
Certification No. **3950**  
**FRED B. KERR, JR.**





Hare 17~~E~~<sup>M</sup>  
**Bottom Hole Pressures**  
**Flowing and Static BHP**  
**Cullender and Smith Method**  
Version 1.0 3/13/94

| <b>Mesaverde</b>               |        | <b>Dakota</b>                  |        |
|--------------------------------|--------|--------------------------------|--------|
| <b><u>MV-Current</u></b>       |        | <b><u>DK-Current</u></b>       |        |
| GAS GRAVITY                    | 0.727  | GAS GRAVITY                    | 0.729  |
| COND. OR MISC. (C/M)           | M      | COND. OR MISC. (C/M)           | M      |
| %N2                            | 0.49   | %N2                            | 0.44   |
| %CO2                           | 0.53   | %CO2                           | 0.52   |
| %H2S                           | 0      | %H2S                           | 0      |
| DIAMETER (IN)                  | 4.95   | DIAMETER (IN)                  | 4.95   |
| DEPTH (FT)                     | 4323   | DEPTH (FT)                     | 6632   |
| SURFACE TEMPERATURE (DEG F)    | 60     | SURFACE TEMPERATURE (DEG F)    | 60     |
| BOTTOMHOLE TEMPERATURE (DEG F) | 143    | BOTTOMHOLE TEMPERATURE (DEG F) | 187    |
| FLOWRATE (MCFPD)               | 0      | FLOWRATE (MCFPD)               | 0      |
| SURFACE PRESSURE (PSIA)        | 266    | SURFACE PRESSURE (PSIA)        | 185    |
| BOTTOMHOLE PRESSURE (PSIA)     | 297.1  | BOTTOMHOLE PRESSURE (PSIA)     | 217.4  |
| <b><u>MV-Original</u></b>      |        | <b><u>DK-Original</u></b>      |        |
| GAS GRAVITY                    | 0.727  | GAS GRAVITY                    | 0.729  |
| COND. OR MISC. (C/M)           | M      | COND. OR MISC. (C/M)           | M      |
| %N2                            | 0.49   | %N2                            | 0.44   |
| %CO2                           | 0.53   | %CO2                           | 0.52   |
| %H2S                           | 0      | %H2S                           | 0      |
| DIAMETER (IN)                  | 4.95   | DIAMETER (IN)                  | 4.95   |
| DEPTH (FT)                     | 4323   | DEPTH (FT)                     | 6632   |
| SURFACE TEMPERATURE (DEG F)    | 60     | SURFACE TEMPERATURE (DEG F)    | 60     |
| BOTTOMHOLE TEMPERATURE (DEG F) | 143    | BOTTOMHOLE TEMPERATURE (DEG F) | 187    |
| FLOWRATE (MCFPD)               | 0      | FLOWRATE (MCFPD)               | 0      |
| SURFACE PRESSURE (PSIA)        | 1112   | SURFACE PRESSURE (PSIA)        | 861    |
| BOTTOMHOLE PRESSURE (PSIA)     | 1268.9 | BOTTOMHOLE PRESSURE (PSIA)     | 1033.8 |

Page No.: 2

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

Property ID: 685

Property Name: HARE | 17<sup>M</sup> | 27263-1

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

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

|          |        |       |
|----------|--------|-------|
| 05/28/81 | 0      | 849.0 |
| 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 |
|---------|---------|-----|

*Original*  
*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~~X~~<sup>M</sup> | 27262-1 MESA Verde

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

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

|          |        |        |
|----------|--------|--------|
| 04/30/81 | 0      | 1100.0 |
| 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  |

1/31/99 769,590 254 ✓ <sup>1</sup>Current  
BASED ON PRESSURE VS CUM GAS CURVE



FARMINGTON

ANNUAL PRODUCTION FOR 27262

PHS020M1

HARE 17 ~~1~~ M

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
1992      119      2872      43125      573205
1993      262      3134      35138      608343
1994      98       3232      28793      637136
1995      65       3297      23361      660497
1996      14       3311      31170      691667
1997      42       3353      29831      721498
1998 through 73      3426      41098      762596
      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

1998 MONTHLY PRODUCTION FOR 27262

PHS030M1

HARE 17~~1~~<sup>M</sup>

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

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

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

PRS 01/06/99

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 <i>through</i><br><i>11/98</i> | 42  | 1982    | 10659 | 257244  |       | 474       |

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 27263

PHS030M1

HARE 174M

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

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

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

PRS 01/06/99

## Gas Meter Vol. History (Act.)

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

Select By : Gas Meters

Pressure Base : None

Page No : 1

Report Number : R\_040

Units : A.P.I.

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

Sort By :

Rounded (y/n) : No

| Meter<br>HARE           | Volume<br>Date | Ticket #   | Volume   | Heat Value | Period     |            | Disp. | Prod. | Purchaser | Gatherer            |
|-------------------------|----------------|------------|----------|------------|------------|------------|-------|-------|-----------|---------------------|
|                         |                |            |          |            | Start      | End        |       |       |           |                     |
| M<br>17A<br>34992<br>OK | 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     | 1800018052 | 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 --      |            | 183.00   | 235.00     |            |            |       |       |           |                     |
| M<br>17E<br>34992<br>MV | 12/01/1998     | 8800005667 | 856.00   | 1,083.00   | 12/01/1998 | 12/31/1998 | 20    | 100   |           | WILLIAMS FIELD SERV |
|                         | Totals --      |            | 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 --      |            | 1,042.00 | 1,322.00   |            |            |       |       |           |                     |
|                         | 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 |
|                         | 11/18/1998     | 1800024514 | 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 mo Avg = 11 mcf/d

Totals - HARE  
HARE M 17E 34992  
17A 39213

3 mo Avg = 107 mcf/d

Page No : 2

Report Number : R\_040

Rounded (v/n) : No

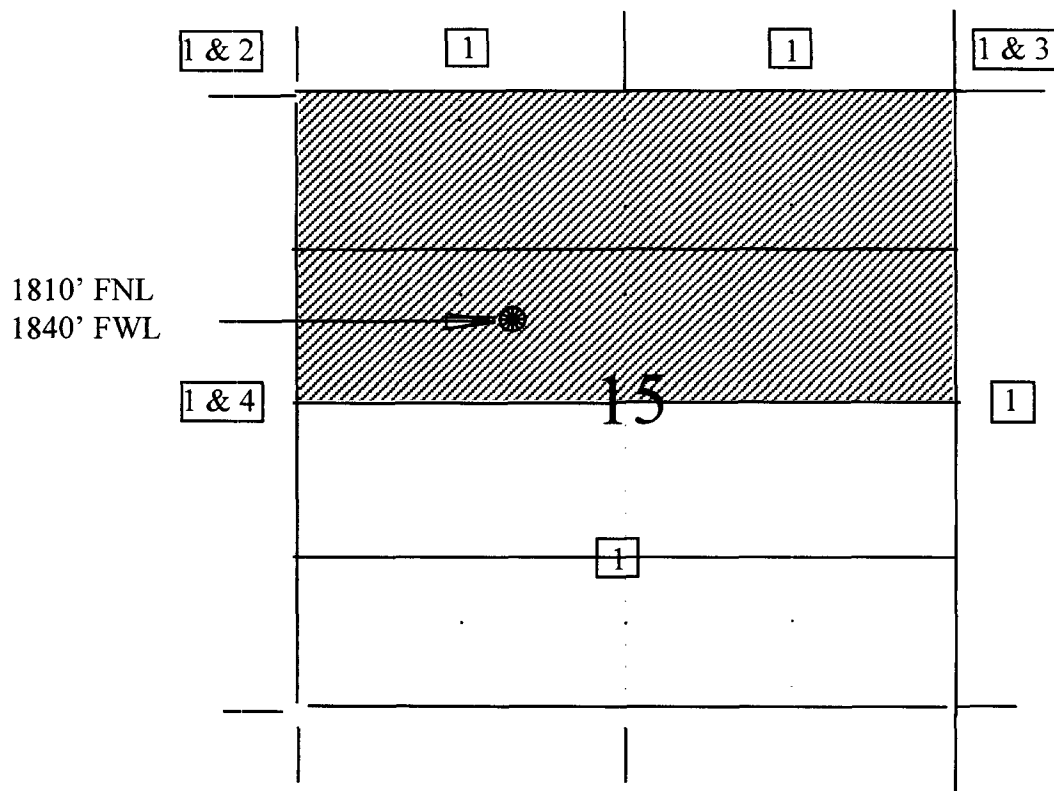
| Meter         | Volume<br>Date | Ticket #   | Volume    | Heat Value | Period     |            | Disp. | Prod. | Purchaser | Gatherer                                                                                                        |
|---------------|----------------|------------|-----------|------------|------------|------------|-------|-------|-----------|-----------------------------------------------------------------------------------------------------------------|
|               |                |            |           |            | Start      | End        |       |       |           |                                                                                                                 |
| HARE          | 11/26/1998     | 1800024744 | 201.00    | 253.00     | 11/26/1998 | 11/26/1998 | 20    | 100   |           | WILLIAMS FIELD SERV<br>WILLIAMS FIELD SERV<br>WILLIAMS FIELD SERV<br>WILLIAMS FIELD SERV<br>WILLIAMS FIELD SERV |
|               | 11/27/1998     | 1800026085 | 20.00     | 25.00      | 11/27/1998 | 11/27/1998 | 20    | 100   |           |                                                                                                                 |
|               | 11/30/1998     | 1800026094 | 144.00    | 182.00     | 11/30/1998 | 11/30/1998 | 20    | 100   |           |                                                                                                                 |
|               | Totals --      |            | 2,750.00  | 3,469.00   |            |            |       |       |           |                                                                                                                 |
|               | 12/01/1998     | 8800005942 | 3,660.00  | 4,615.00   | 12/01/1998 | 12/31/1998 | 20    | 100   |           |                                                                                                                 |
|               | Totals --      |            | 6,410.00  | 8,084.00   |            |            |       |       |           |                                                                                                                 |
|               | 1998           |            |           |            |            |            |       |       |           |                                                                                                                 |
|               | 01/01/1999     | 6100001230 | 3,334.00  | 4,204.00   | 01/01/1999 | 01/31/1999 | 20    | 100   |           |                                                                                                                 |
|               | Totals -- HARE | 39213      |           | 9,744.00   | 12,288.00  |            |       |       |           |                                                                                                                 |
|               | 178            |            |           |            |            |            |       |       |           |                                                                                                                 |
| Report Totals |                |            | 10,786.00 | 13,610.00  |            |            |       |       |           |                                                                                                                 |

**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

