

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

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

APPROVAL PROCESS :

X Administrative Hearing

EXISTING WELLBORE

YES x NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator San Juan 27-4 Unit Address 53M J 30-27N-04W Rio Arriba

Lease Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7452 API NO. 30-039-not assigned Federal x State (and/or) Fee

Table with 4 columns: The following facts are submitted in support of downhole commingling, Upper Zone, Intermediate Zone, Lower Zone. Rows include Pool Name and Pool Code, Top and Bottom of Pay Section, Type of production, Method of Production, Bottomhole Pressure, Oil Gravity, Producing or Shut-in?, Production Marginal?, Fixed Percentage Allocation.

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 x No

11. Will cross-flow occur? x 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. x Yes No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? x Yes No

13. Will the value of production be decreased by commingling? Yes x 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. x Yes No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(C). attached

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 Sean Woolverton TITLE: Production Engineer DATE: 02-23-98

TYPE OR PRINT NAME Sean Woolverton TELEPHONE NO. (505) 326-9700

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 PO Drawer DD, Artesia, NM 88211-0719
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-10:
 Revised February 21, 199-
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|-----------------|--|--|--|-------------|---------------|
| 1 API Number | | 2 Pool Code | | 3 Pool Name | |
| 4 Property Code | | 5 Property Name | | | 6 Well Number |
| | | SAN JUAN 27-4 UNIT | | | # 53M |
| 7 OGRID No. | | 8 Operator Name | | | 9 Elevation |
| | | BURLINGTON RESOURCES OIL & GAS COMPANY | | | 6733 |

10 Surface Location

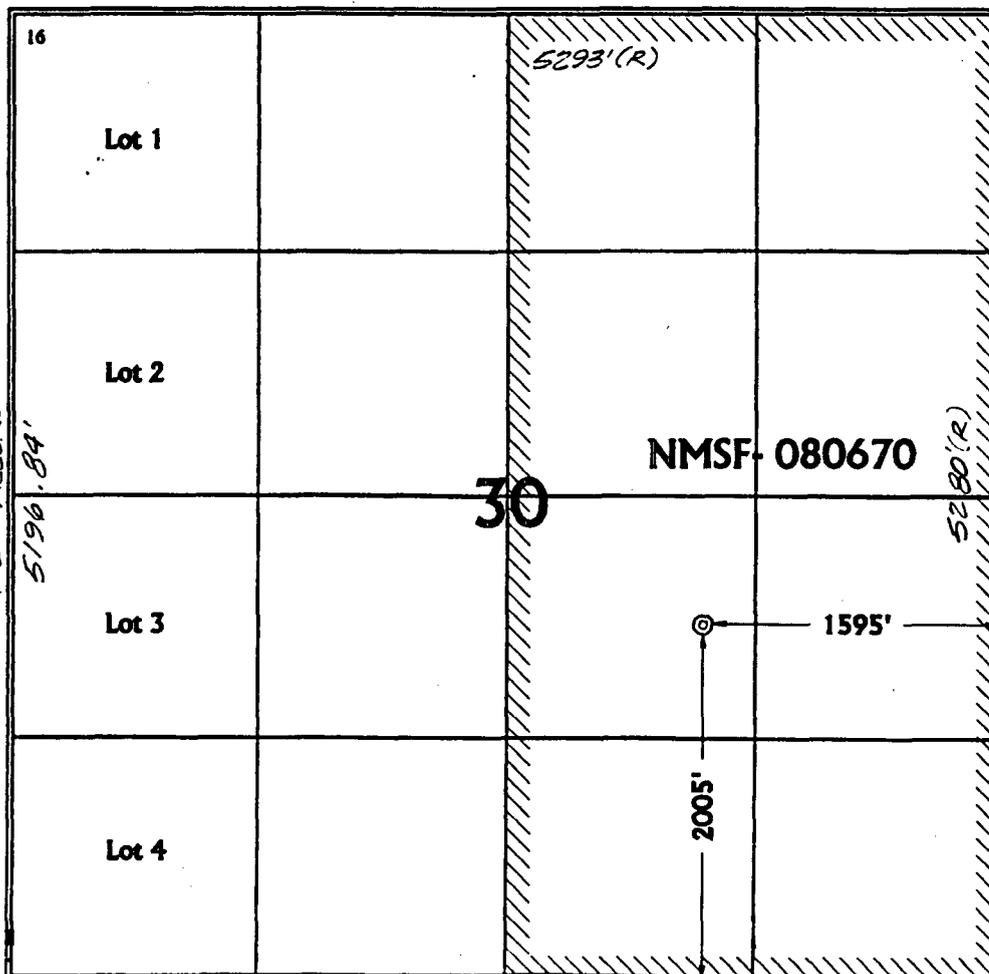
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| J | 30 | 27 N | 4 W | | 2005 | SOUTH | 1595 | EAST | RIO ARRIBA |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|--------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
| | | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



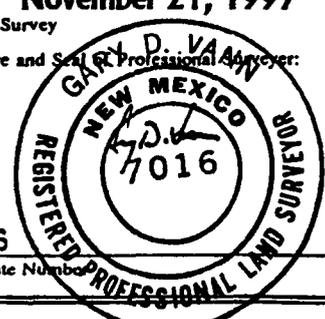
17 OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature _____
 Printed Name _____
 Title _____
 Date _____

18 SURVEYOR CERTIFICATION
 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 belief.

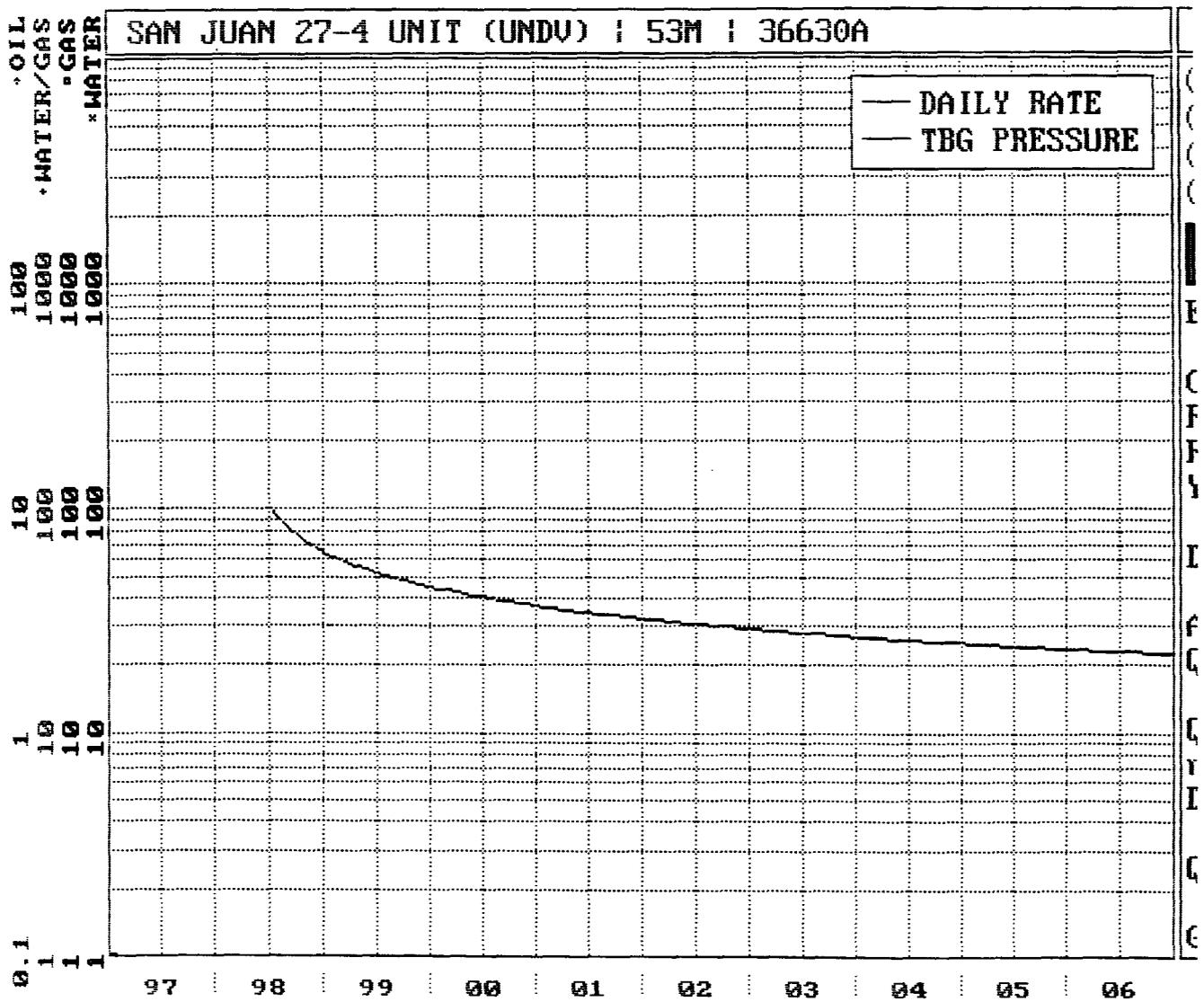
November 21, 1997
 Date of Survey
 Signature and Seal of Professional Surveyor: _____

7016
 Certificate Number

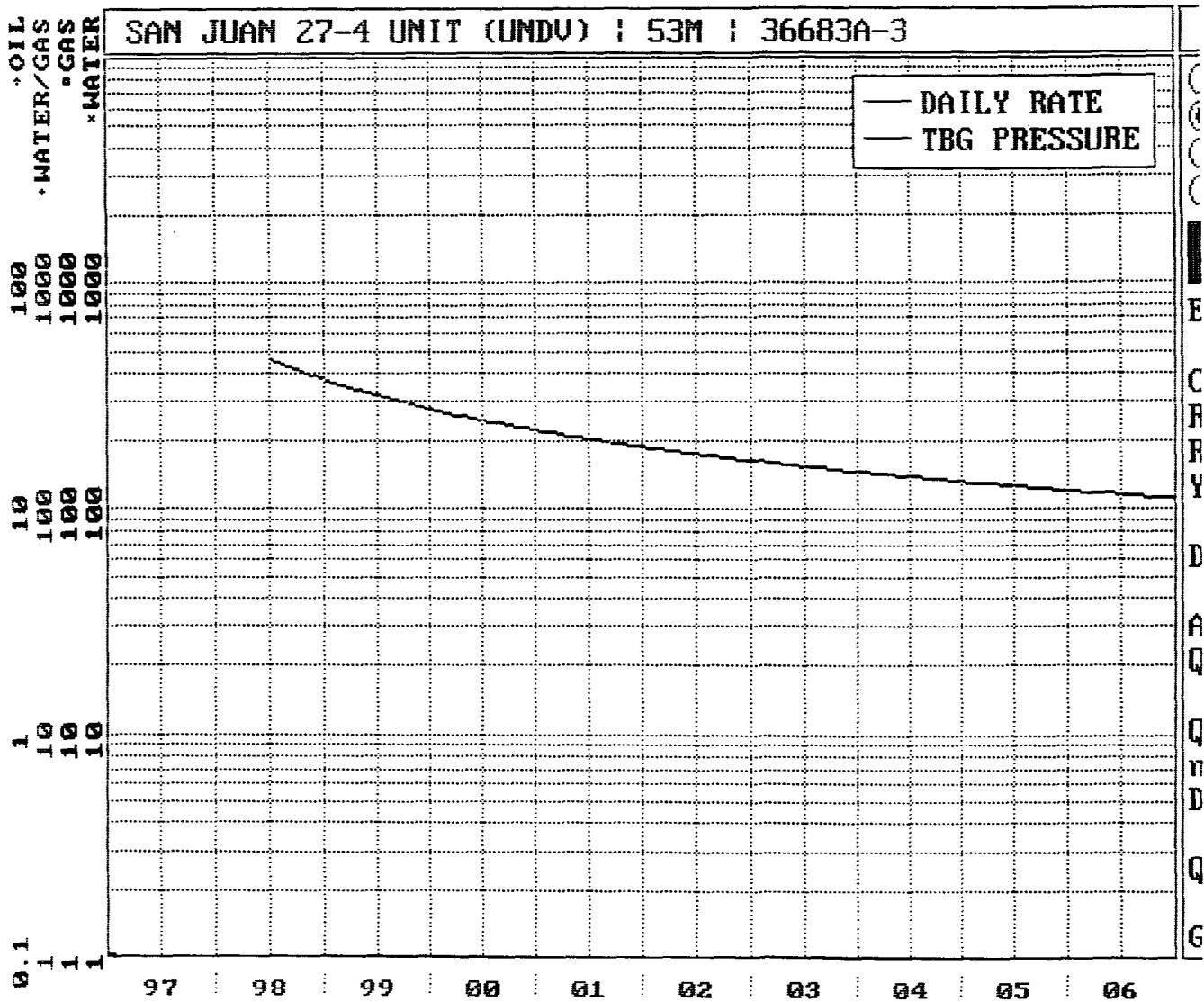


(R) - GLO RECORD 5292'(R)

San Juan 27-4 Unit #53M
 Expected Production Curve
 Blanco Mesaverde



San Juan 27-4 Unit #53M
 Expected Production Curve
 Basin Dakota



SJ 27-4 Unit #53M
 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 | 0.692 | GAS GRAVITY | 0.724 |
| COND. OR MISC. (C/M) | C | COND. OR MISC. (C/M) | C |
| %N2 | 0.25 | %N2 | 0.38 |
| %CO2 | 0.77 | %CO2 | 0.98 |
| %H2S | 0 | %H2S | 0 |
| DIAMETER (IN) | 2 | DIAMETER (IN) | 2.375 |
| DEPTH (FT) | 5874 | DEPTH (FT) | 8159 |
| SURFACE TEMPERATURE (DEG F) | 60 | SURFACE TEMPERATURE (DEG F) | 60 |
| BOTTOMHOLE TEMPERATURE (DEG F) | 137 | BOTTOMHOLE TEMPERATURE (DEG F) | 198 |
| FLOWRATE (MCFPD) | 0 | FLOWRATE (MCFPD) | 0 |
| SURFACE PRESSURE (PSIA) | 592 | SURFACE PRESSURE (PSIA) | 996 |
| BOTTOMHOLE PRESSURE (PSIA) | 689.2 | BOTTOMHOLE PRESSURE (PSIA) | 1244.7 |
| <u>MV-Original</u> | | <u>DK-Original</u> | |
| GAS GRAVITY | 0.692 | GAS GRAVITY | 0.724 |
| COND. OR MISC. (C/M) | C | COND. OR MISC. (C/M) | C |
| %N2 | 0.25 | %N2 | 0.38 |
| %CO2 | 0.77 | %CO2 | 0.98 |
| %H2S | 0 | %H2S | 0 |
| DIAMETER (IN) | 2 | DIAMETER (IN) | 2.375 |
| DEPTH (FT) | 5874 | DEPTH (FT) | 8159 |
| SURFACE TEMPERATURE (DEG F) | 60 | SURFACE TEMPERATURE (DEG F) | 60 |
| BOTTOMHOLE TEMPERATURE (DEG F) | 137 | BOTTOMHOLE TEMPERATURE (DEG F) | 198 |
| FLOWRATE (MCFPD) | 0 | FLOWRATE (MCFPD) | 0 |
| SURFACE PRESSURE (PSIA) | 1159 | SURFACE PRESSURE (PSIA) | 2503 |
| BOTTOMHOLE PRESSURE (PSIA) | 1370.7 | BOTTOMHOLE PRESSURE (PSIA) | 3178.6 |

Page No.: 1
Print Time: Mon Jan 19 11:36:05 1998
Property ID: 3788
Property Name: SAN JUAN 27-4 UNIT | 17 | 53312B-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE-- M SIWHP
■■■■■■■■■■ ■■■■Psi■■■

San Juan 27-4 Unit #53M
Mesaverde offset

| | | |
|----------|--------|-----------|
| 07/10/58 | 1159.0 | -original |
| 07/31/58 | 1146.0 | |
| 09/22/59 | 659.0 | |
| 05/29/60 | 639.0 | |
| 05/28/61 | 665.0 | |
| 08/06/62 | 602.0 | |
| 04/19/63 | 626.0 | |
| 07/02/64 | 673.0 | |
| 05/10/65 | 564.0 | |
| 04/19/66 | 561.0 | |
| 05/16/67 | 570.0 | |
| 09/23/68 | 584.0 | |
| 08/28/70 | 563.0 | |
| 04/08/71 | 547.0 | |
| 08/09/72 | 582.0 | |
| 04/21/86 | 530.0 | |
| 09/08/89 | 538.0 | |
| 06/03/91 | 604.0 | |
| 06/17/91 | 592.0 | -current |

Page No.: 1
Print Time: Mon Jan 19 11:36:21 1998
Property ID: 1644
Property Name: SAN JUAN 27-4 UNIT | 52 | 51795A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

San Juan 27-4 Unit #53M
Dakota Offset

--DATE-- M SIWHP
■■■■■■■■■■ ■■■Psi■■■

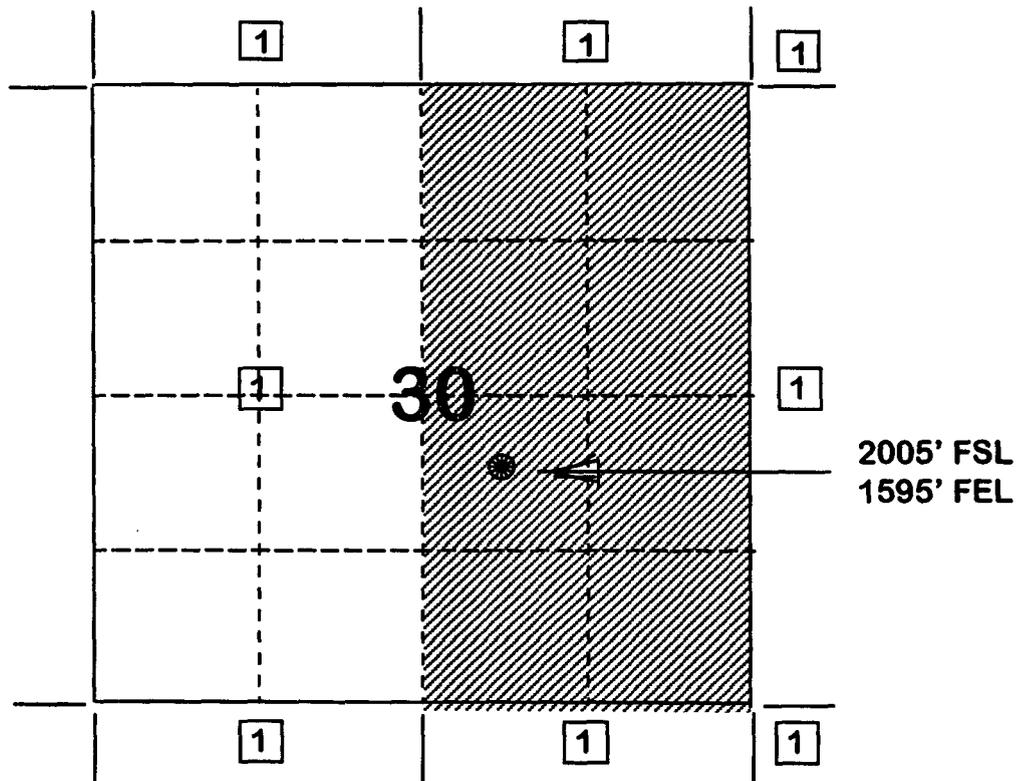
| | | |
|----------|--------|-----------|
| 10/29/68 | 2503.0 | -original |
| 06/13/69 | 1505.0 | |
| 09/28/70 | 1013.0 | |
| 05/18/71 | 992.0 | |
| 06/13/72 | 777.0 | |
| 06/24/75 | 854.0 | |
| 07/06/77 | 954.0 | |
| 05/29/80 | 1132.0 | |
| 11/03/81 | 1222.0 | |
| 09/19/83 | 1370.0 | |
| 05/20/85 | 910.0 | |
| 10/16/88 | 992.0 | |
| 06/06/90 | 795.0 | |
| 11/16/92 | 996.0 | -current |

BURLINGTON RESOURCES OIL AND GAS COMPANY

**San Juan 27-4 Unit #53M
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde / Dakota Formations Commingle Well

Township 27 North, Range 4 West



1) Burlington Resources

02/24/98

J-I-B SCHEDULE

LWR270NL

INQUIRE

<WELLSTAT

WELL: 35538A SAN JUAN 27-4 UNIT 37M

=====

| CO-OWNER | BILLING % | TOTAL % |
|---------------------------------------|-----------|------------|
| ----- | ----- | ----- |
| 028359 CINCO GENERAL PARTNERSHIP | 12.359707 | |
| 028873 BEDROCK LIMITED PARTNERSHIP | .923260 | |
| 029669 TEMPE LTD PARTNERSHIP | .923260 | |
| 030573 HARCO LTD PTSHP | .923258 | |
| 105291 JAMES V HARRINGTON | .923258 | |
| 105292 MARY JONE CHAPPELL | .923259 | |
| 999810 BURLINGTON RESOURCES OIL & GAS | 83.023998 | |
| | | 100.000000 |

ENTER=NEXT PAGE

PF11=PAGE BACK

PF12=MENU

PF24=HELP

Catanach, David

From: Peggy Bradfield[SMTP:pbradfield@br-inc.com]
Reply To: pbradfield@br-inc.com
Sent: Monday, March 23, 1998 2:47 PM
To: Catanach, David
Subject: re: DHC Application-SJ 27-4 Unit No. 53M

David, no reference case. Sorry that I made you look. Am faxing to you a list of the interest owners which we are notifying now. Sorry for the inconvenience.

Original Text

From: "Catanach, David" <DCATANACH@state.nm.us>, on 3/23/98 2:45 PM:

Peggy,

Did we do a reference case for the SJ 27-4 Unit? I have not been able to find it. If we did not, did you notify interest owners, your application states that you did not. Please Advise.

Sincerely,

David Catanach

Restart Waiting period

Catanach, David

From: Catanach, David
Sent: Monday, March 23, 1998 1:45 PM
To: 'Peggy Bradfield'
Subject: DHC Application-SJ 27-4 Unit No. 53M

Peggy,
Did we do a reference case for the SJ 27-4 Unit? I have not been able to find it. If we did not, did you notify interest owners, your application states that you did not. Please Advise.

Sincerely,

David Catanach

U/W FOSTER MORRELL DECD
C/O NORWEST BK NEW MEXICO NA
PO BOX 659566
SAN ANTONIO, TX 78265-9566

UNION OIL CO OF CALIF
ATTN REVENUE ACCOUNTING
PO BOX 841055
DALLAS, TX 75284-1055

WILLIAM B GREENE
812 GRANDVIEW DRIVE SE
ALBUQUERQUE, NM 87108

To: David Cottrill
505-827-8177

Interest sources for AQ 27-4 Unit
53M OMC app.

from: Peggy Starnes

2 pages
3-23-98

AMALIA S SANCHEZ
FIRST NATL BK SANTA FE AGENT
C/O BANK OF OKLAHOMA AGENT
PO BOX 1588
TULSA, OK 74101

BEDROCK LIMITED PARTNERSHIP
PO BOX 36480
ALBUQUERQUE, NM 87176

BURLINGTON RESOURCES O&G CO
801 CHERRY ST
FORT WORTH, TX 76102

CINCO GENERAL PARTNERSHIP
PO BOX 451
ALBUQUERQUE, NM 87103-0451

DEREK PETER VENEZIA
BANK OF AMERICA
PO BOX 85058
SAN DIEGO, CA 92186-5058

EDNA E MORRELL LIVG TRUST
C/O NORWEST BK NEW MEXICO NA
PO BOX 659566
SAN ANTONIO, TX 78265-9566

ELEANOR G HAND
9 ANSLEY DR NE
ATLANTA, GA 30309

GERALD F HARRINGTON
BOATMENS NATL BK - DES MOINES
ATTN TRUST OFFICER PETERSON
PO BOX 817
DES MOINES, IA 50304-0817

HARCO LTD PTSHP
PO BOX 216
ROSWELL, NM 88202

JAMES V HARRINGTON
PO BOX 13535
ALBUQUERQUE, NM 87192

JOHN C MEADOWS
6053 EXPRESSWAY
JACKSONVILLE, FL 32211

JOSEPH R ABRAHAM
5517 WILLOW LN
DALLAS, TX 75230

JUAN R MONTANO
PO BOX 241
TIERRA AMARILLA, NM 87575

LESLIE C TATUM
PO BOX 7392
N KANSAS CITY, MO 64116

LMA ROYALTIES LTD
PO BOX 1778
COLORADO SPRINGS, CO 80901-1778

MANUEL A SANCHEZ TRUST
THE FIRST NATL BANK OF SANTA FE
C/O BANK OF OKLAHOMA AGENT
PO BOX 1588
TULSA, OK 74101

MARY F ROBERTS
PO BOX 15940
SANTA FE, NM 87506

MARY JO WELLS
5250 WOODLAWN AVE
CHEVY CHASE, MD 20815

MARY JONE CHAPPELL
PO BOX 11970
ALBUQUERQUE, NM 87192

MIKE C ABRAHAM TRUSTEE
711 AMHERST DR SE
ALBUQUERQUE, NM 87106

MINERALS MANAGEMENT SERVICE
ROYALTY MANAGEMENT PROGRAM
PO BOX 5810
DENVER, CO 80217-5810

MISS M F ABRAHAM
906 FOUR HILLS RD SE
ALBUQUERQUE, NM 87128

PATRICIA ANN ASHBURN
46 CARIBE WAY
VERO BEACH, FL 32963

PATRICIA P SCHIEFFER
C/O J THOMAS SCHIEFFER
1000 BALLPARK WAY #300
ARLINGTON, TX 76011

ROBBY F BAKER
1575 BELVIDERE APT #125
EL PASO, TX 79912

ROBERT P & ANNA D EARNEST TR
KATHLEEN EARNEST RIOS TRUSTEE
2404 LORING #131
SAN DIEGO, CA 92109-2347

ROBERT S TATUM
TATUM FAMILY AGENCY #4269
C/O NATIONS BK OF TX NA
PO BOX 840738
DALLAS, TX 75284-0738

ROMERO FAMILY LTD PARTNERSHIP
ALICIA V ROMERO GEN PARTNER
PO BOX 5155
SANTA FE, NM 87502

SCOTT ANTHONY VENEZIA
BANK OF AMERICA
PO BOX 85058
SAN DIEGO, CA 92186-5058

TEMPE LTD PARTNERSHIP
C/O F B & M K HARRINGTON
652 FEARRINGTON POST
PITTSBORO, NC 27312