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 — PO Box 4289, Farmington, NM 87499
Operator — Address

| Montgomery | 2 | A 17 -30N-11W | San Juan |
|---|---|---|---|
| Lease | Well No. | Unit Ltr. - Sec - Twp - Rge | County |

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. _14538_____ Property Code _7321 ___ API NO. 30-045-26224____Federal __X___ , 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 | Mesaverde - 72319 | | Basin Dakota - 71599 |
| 2. Top and Bottom of Pay Section (Perforations) | Will be supplied upon completion | | 6417' – 6603' |
| 3. Type of production (Oil or Gas) | Gas | | gas |
| 4. Method of Production (Flowing or Artificial Lift) | Flowing | | Flowing |
| 5. Bottomhole Pressure<br>Oil Zones - Artificial Lift: Estimated Current<br>Gas & Oil - Flowing: Measured Current<br>All Gas Zones: Estimated or Measured Original | a. (Current) Est. 641 | a. | a. 619 |
| | b. (Original) Est. 951 | b. | b. 1238 |
| 6. Oil Gravity (°API) or Gas BTU Content | BTU (Est.) 1256 | | BTU 1199 |
| 7. Producing or Shut-In? | Not yet completed | | producing |
| Production Marginal? (yes or no) | no | | yes |
| * If Shut-In and oil/gas/water rates of last production<br>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data | Date: n/a<br>Rates: | Date:<br>Rates: | Date: n/a<br>Rates: |
| * If Producing, give data and oil/gas/water water of recent test (within 60 days) | Date: n/a<br>Rates: n/a | Date:<br>Rates: | Date: n/a<br>Rates: 2 MCF/D |
| 8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%) | Oil: % Gas: %<br>will be supplied upon completion | Oil: % Gas: % | Oil: % Gas: %<br>will be supplied upon completion |

RECEIVED
MAR 17 1998
OIL CON. DIV.
DIST. 3

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? _x_Yes ___No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___Yes __x_No
Have all offset operators been given written notice of the proposed downhole commingling? _x_Yes ___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(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 Mike Pippin TITLE Production Engineer DATE 3/13/98

TYPE OR PRINT NAME Mike Pippin TELEPHONE NO. ( 505 ) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION

WEL OCATION AND ACREAGE DEDICATIC LAT

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

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

| Operator | Lease | Well No. |
|---|---|---|
| EL PASO NATURAL GAS COMPANY | MONTGOMERY (FEE) | 2 |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| A | 17 | 30-N | 11-W | SAN JUAN |

Actual Footage Location of Well:
800 feet from the NORTH line and 1100 feet from the EAST line

| Ground Level Elev. | Producing Formation | Pool | Dedicated Acreage: |
|---|---|---|---|
| 5586 | DAKOTA | BASIN | 320.00 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

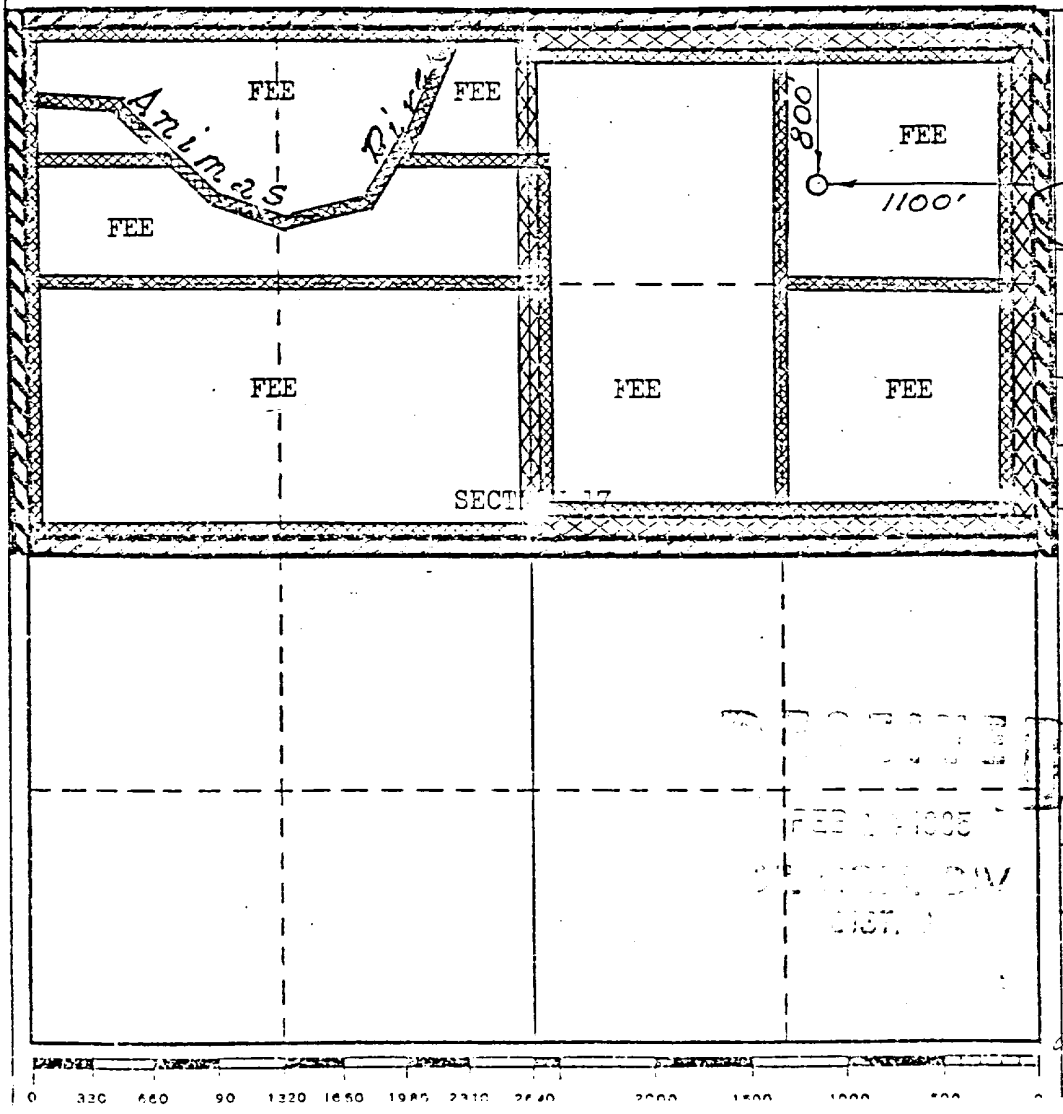
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.*

Peggy Doak

Name: Drilling Clerk

Position: El Paso Natural Gas C

Company

February 14, 1985

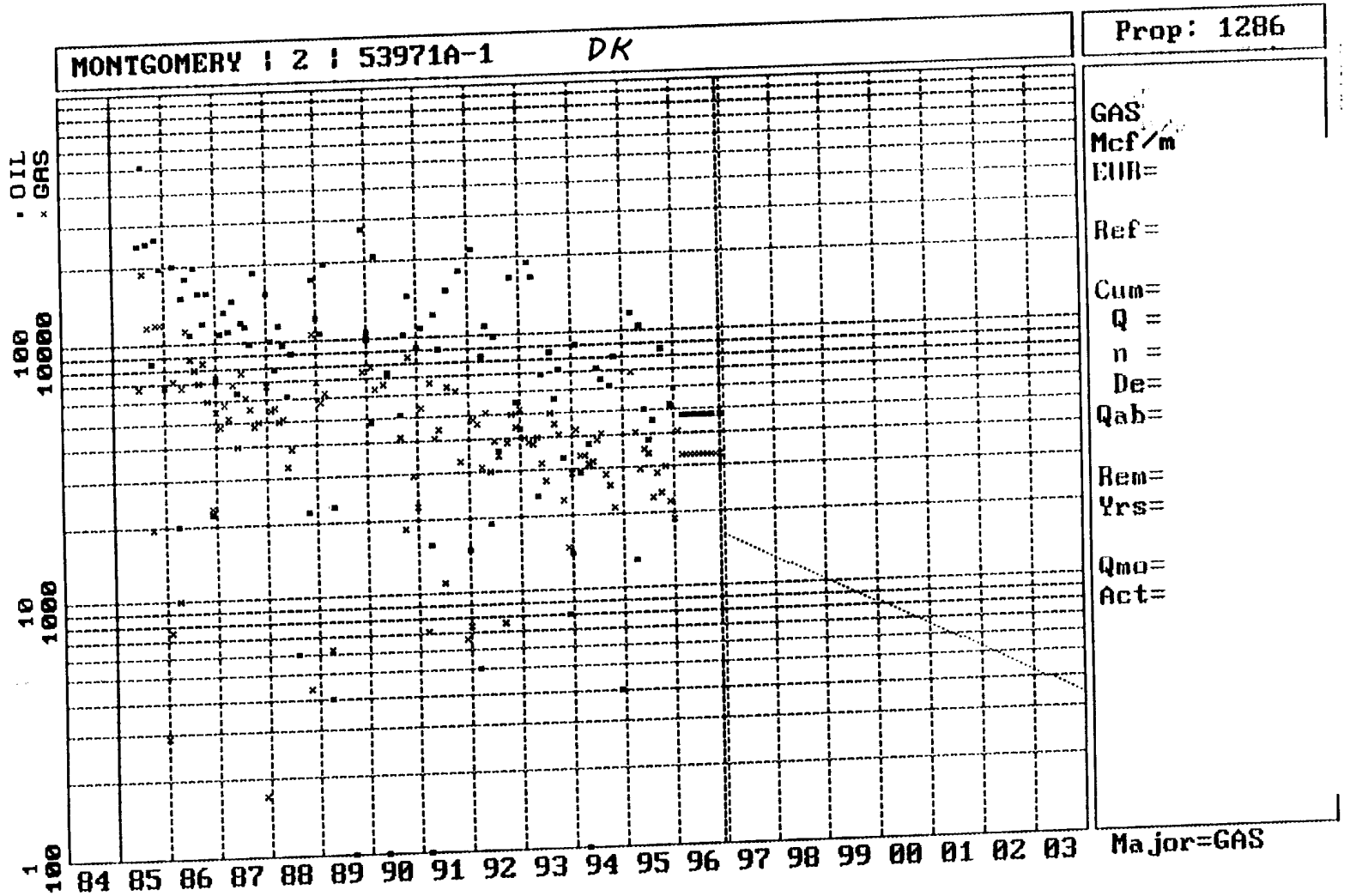
Date

*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.*

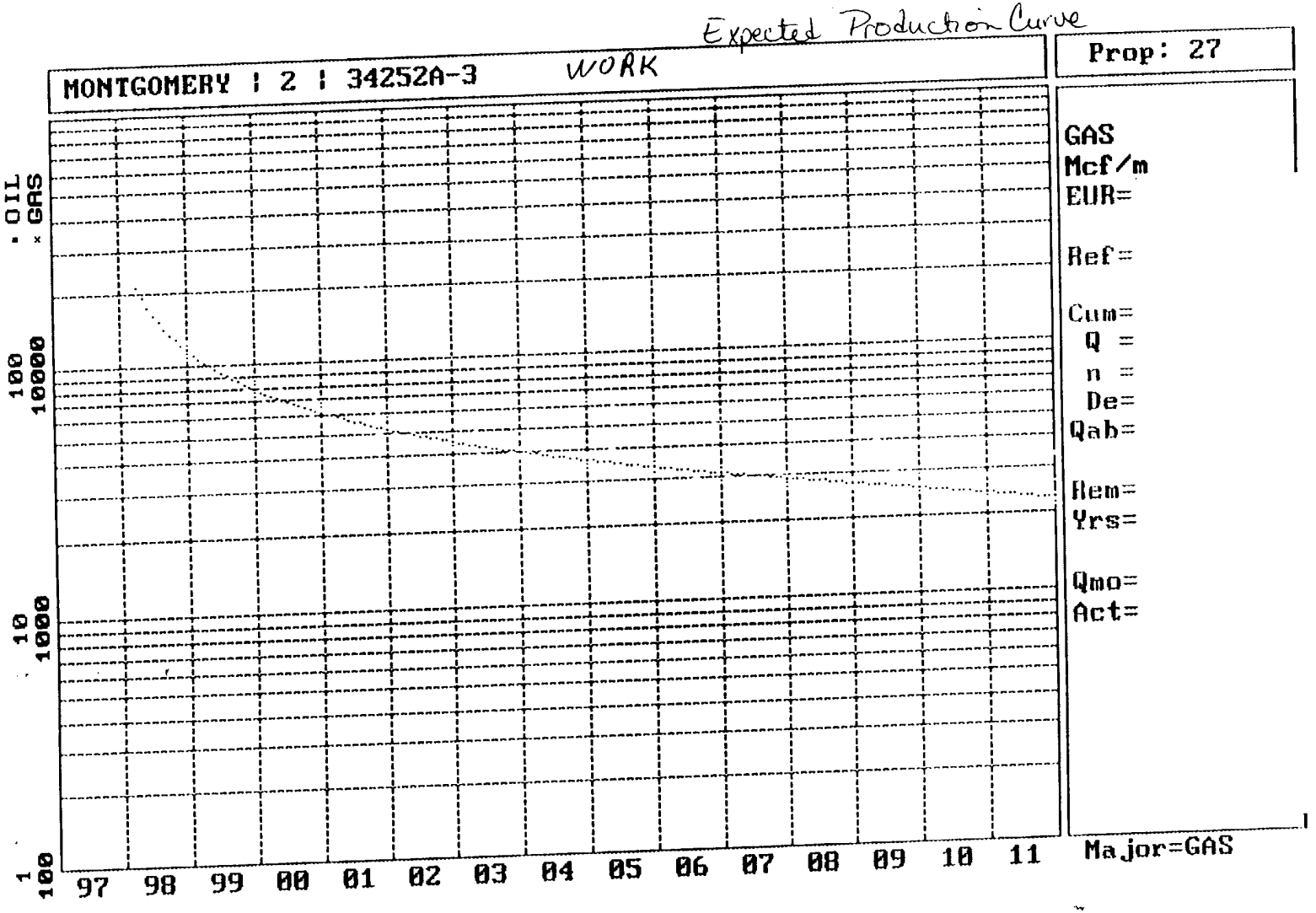
Date Surveyed: AUGUST 22, 1978

Registered Professional Engineer and/or Land Surveyor.

Certificate No. 1760


MONTGOMERY | 2 | 53971A-1 DK
Prop: 1286
GAS
Mcf/m
EUR=
Ref=
Cum=
Q =
n =
De=
Qab=
Rem=
Yrs=
Qmo=
Act=
Major=GAS
• OIL
× GAS
100
10000
10
1000
1
100
84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03

Expected Production Curve



# MONTGOMERY #2

Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

## Mesaverde – Est. offset well Taylor Com 2

### MV-Current

| | |
|---|---|
| GAS GRAVITY | 0.719 |
| COND. OR MISC. (C/M) | C |
| %N2 | 0.21 |
| %CO2 | 0.46 |
| %H2S | 0 |
| DIAMETER (IN) | 2 |
| DEPTH (FT) | 4799 |
| SURFACE TEMPERATURE (DEG F) | 60 |
| BOTTOMHOLE TEMPERATURE (DEG F) | 123 |
| FLOWRATE (MCFPD) | 127 |
| SURFACE PRESSURE (PSIA) | 562 |
| BOTTOMHOLE PRESSURE (PSIA) | 641.2 |

### MV-Original

| | |
|---|---|
| GAS GRAVITY | 0.719 |
| COND. OR MISC. (C/M) | C |
| %N2 | 0.21 |
| %CO2 | 0.46 |
| %H2S | 0 |
| DIAMETER (IN) | 2 |
| DEPTH (FT) | 4799 |
| SURFACE TEMPERATURE (DEG F) | 60 |
| BOTTOMHOLE TEMPERATURE (DEG F) | 123 |
| FLOWRATE (MCFPD) | 127 |
| SURFACE PRESSURE (PSIA) | 828 |
| BOTTOMHOLE PRESSURE (PSIA) | 951.4 |

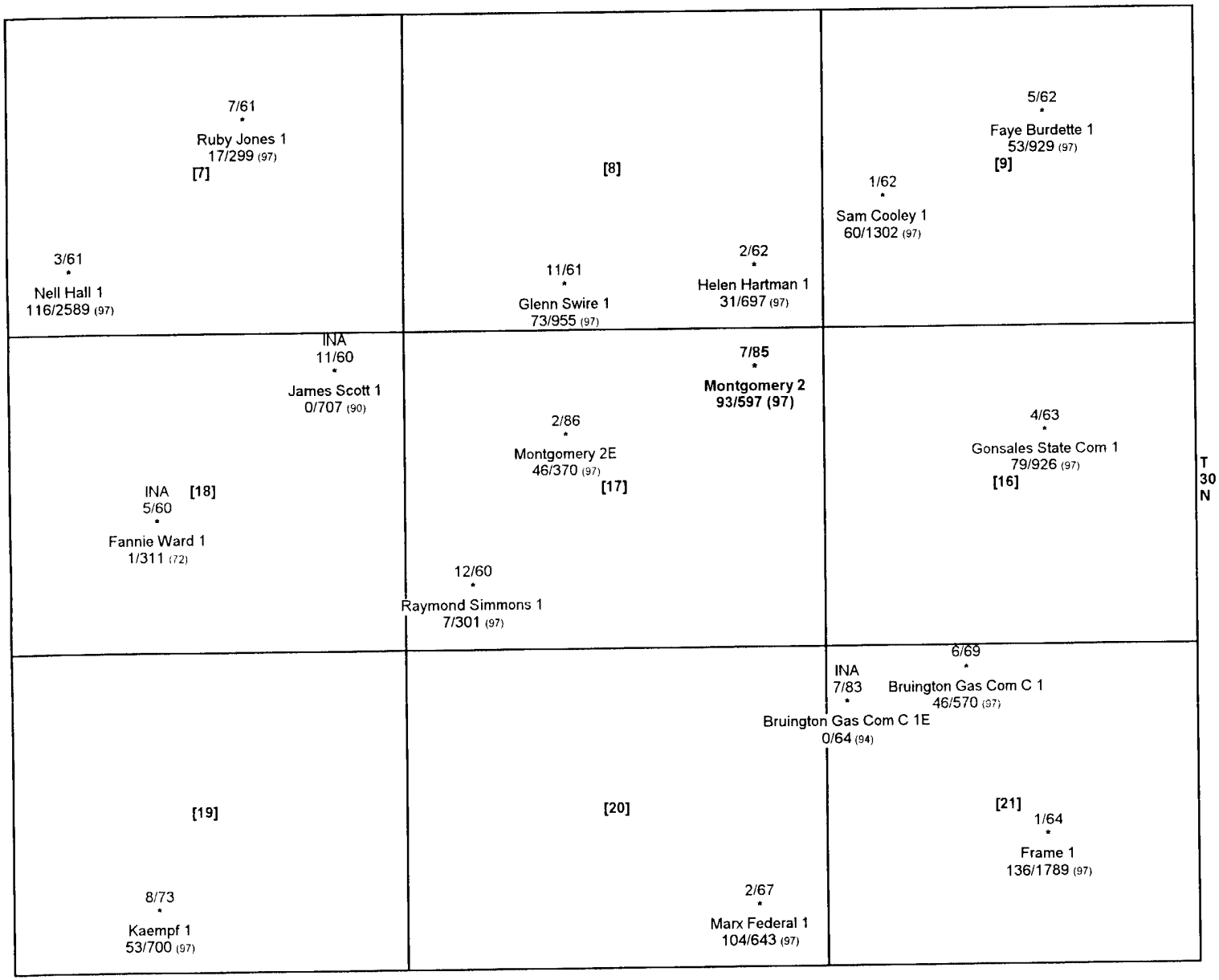
## Dakota

### DK-Current

| | |
|---|---|
| GAS GRAVITY | 0.703 |
| COND. OR MISC. (C/M) | C |
| %N2 | 0.52 |
| %CO2 | 1.45 |
| %H2S | 0 |
| DIAMETER (IN) | 2 |
| DEPTH (FT) | 6653 |
| SURFACE TEMPERATURE (DEG F) | 60 |
| BOTTOMHOLE TEMPERATURE (DEG F) | 143 |
| FLOWRATE (MCFPD) | 2 |
| SURFACE PRESSURE (PSIA) | 521 |
| BOTTOMHOLE PRESSURE (PSIA) | 618.7 |

### DK-Original

| | |
|---|---|
| GAS GRAVITY | 0.703 |
| COND. OR MISC. (C/M) | C |
| %N2 | 0.52 |
| %CO2 | 1.45 |
| %H2S | 0 |
| DIAMETER (IN) | 2 |
| DEPTH (FT) | 6653 |
| SURFACE TEMPERATURE (DEG F) | 60 |
| BOTTOMHOLE TEMPERATURE (DEG F) | 143 |
| FLOWRATE (MCFPD) | 2 |
| SURFACE PRESSURE (PSIA) | 1026 |
| BOTTOMHOLE PRESSURE (PSIA) | 1237.9 |



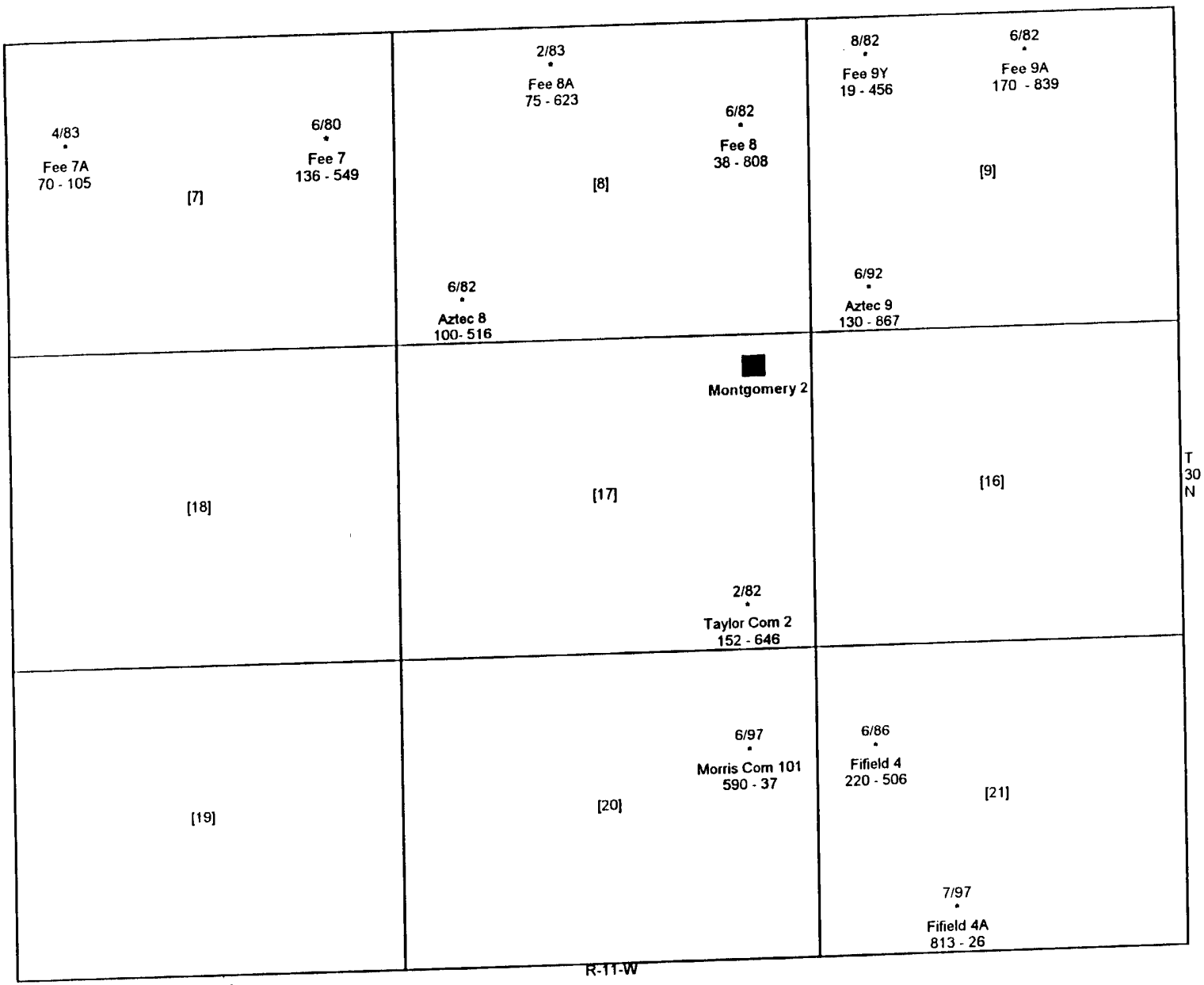

DATE: February 12,1998

NAME: MONTGOMERY #2

FMT: Dakota

LOCATION
UNIT: A
SEC: 17
TWN: 30N
RNG: 11W

LEGEND
FIRST DELIVERY DATA
*
WELL NAME
MCF/D-CUM(MMCF)




DATE: October 15,1997

NAME: MONTGOMERY #2

FMT Mesaverde

LOCATION
UNIT: A
SEC: 17
TWN: 30N
RNG: 11W

LEGEND
FIRST DELIVERY DATA
•
WELL NAME
MCF/D-CUM(MMF)
AS OF 8/97

```
03/17/97                        LAND WELL REPORT  PRELIMINARY              LWR200NL
================================================================<WELLSTAT
 ELL DP #: 34252A            PUD-XREF:          PROPERTY #: 071045500
 ELL NAME: TAYLOR COM (UNDV)      2A            REGION: FARMINGTON
   LANDMAN:                                     REC TYPE: D PROVED UNDEVELOPED
SEC: 17  TWN: 030N  RNG: 011W  BLK:       UNIT LTR: A NE/4 NE/4
LOCATION:
SURVEY:
BOTTOM HOLE LOCATION: SEC:     TWN:       RNG:       UNIT LTR:
   NOTE:
DEDICATED SUBDIVISION: 03 E/2                OPERATOR: BURLINGTON RESOURCES
WELL SPACING ACREAGE: 320.00                 PROSPECT:
FORMATION: MESAVERDE                         BASIN:
COUNTY/STATE: SAN JUAN NM                    FIELD: BLANCO MESAVERDE (PR
                                             BASE FILE:
TOTAL DEPTH:                                 REG FILE:
TOP PERF:                                WELL STATUS: UNKNO   DATE: 00/00/00
BOTTOM PERF:                             SPUD DATE: 00/00/00  WELL COMP: 00/00/
     AFE #:          COMPANY INT:        DRLG COMP: 00/00/00  APPROVED:    /  /
     ACQ NAME:

================================================================================
  ENTER=NEXT PAGE     PFXX=DETAILS     PF12=MENU     PF20=MORE DESC     PF24=HELP
B MY JOB                          NUM    LU #12
```

```
03/17/97                        LAND WELL REPORT     PRELIMINARY          LWR210N
 NQUIRY                         COMPANY OWNERSHIP                         <WELLSTA
WELL: 34252A     TAYLOR COM (UNDV)      2A
================================================================================
THIS DP IS A PUD REFERENCED BY DP  2689A
     OWNER     PROD  INTEREST %  I-TYPE    TRUST  EVENT  AUTH INIT REVISED
     --------  ----  ----------  ------    -----  -----  ---- ---- --------
     21 BROG   ALL     99.031250  GWI              APO1   FW
     21 BROG   ALL     85.319011  NWI              APO1   FW
     21 BROG   ALL     85.319011  NWI              CUR    DOW
     21 BROG   ALL     99.031250  GWI              CUR    DOW

TOTAL COMPANY NET/GROSS REVENUE INTEREST:     NET: OIL  85.319011 GAS  85.319
                                            GROSS: OIL  99.031250 GAS  99.031
  ** NO OWNERSHIP REMARKS **                                    BLOCK POSTING
================================================================================
  PF17=PRIOR  PF18=REASON  PF20=TOP  PF21=RMKS  PF11=BACK  PF12=MENU  PF24=HE
B MY JOB                          NUM    LU #12
```

INFILL TO TAYLOR COM #2
P 17

03/17/97 WELL-INFO INQUIRE FOR 34252A 0-710455-00 WMS009M
RECORD TYPE: D SCREEN
FARMINGTON SAN JUAN , NM
BLANCO MESAVERDE (PRORATED GAS FIELD
MESAVERDE ZONE

TAYLOR COM (UNDV) 2A
BURLINGTON RESOURCES O&G CO

UNKNOWN STATUS GAS WELL

| LOCATION | BLK | UNIT | SEC | TWN | RNG | TRAC |
|---|---|---|---|---|---|---|
| | | NENE | 17 | 030N | 011W | |

| WORK INT-GAS | NET INT-GAS | TD | PBTD | TPERF | BPERF | AFE | BATTER |
|---|---|---|---|---|---|---|---|
| 0.9903125 | 0.8531901 | 0 | 0 | 0 | 0 | | |

| WORK INT-OIL | NET INT-OIL |
|---|---|
| 0.9903125 | 0.8531901 |

| ORIG SPUD | WO/RECOMP | DRIL COMP | WELL COMP | 1ST OIL PROD | 1ST OIL SOL |
|---|---|---|---|---|---|
| | | | | | 1ST GAS SOL |

INITIAL TEST

CURRENT TEST

CONSULTANT
GAS CONTRACT
ZZ1 08/03/96

PF6 - PAGE BACK PA1 - END INQUIRE ENTER - NEXT SCREEN SCREEN NUMBER
B MY JOB LU #12

03/02/98 LAND WELL REPORT APPROVED 11/17/97 LWR210NL
INQUIRY COMPANY OWNERSHIP <WELLSTAT>
WELL: 53971A MONTGOMERY 2

| OWNER | PROD | INTEREST % | I-TYPE | TRUST | EVENT | AUTH | INIT | REVISED |
|---|---|---|---|---|---|---|---|---|
| 21 BROG | ALL | 87.500000 | NWI | | CUR | DOW | | |
| 21 BROG | ALL | 100.000000 | GWI | | CUR | DOW | | |

TOTAL COMPANY NET/GROSS REVENUE INTEREST: NET: OIL 87.500000 GAS 87.50000(
GROSS: OIL 100.000000 GAS 100.00000(

** CONTAINS OWNERSHIP REMARKS ** BLOCK POSTING:

PF17=PRIOR PF18=REASON PF20=TOP PF21=RMKS PF11=BACK PF12=MENU PF24=HELP

03/02/98 LAND WELL REPORT APPROVED 11/17/97 LWR200NL

==========<WELLSTAT>

WELL DP #: 53971A PUD-XREF: PROPERTY #: 012702700
WELL NAME: MONTGOMERY 2 REGION: FARMINGTON
LANDMAN: D3P PRICE, D. DEAN REC TYPE: W WORKING INTEREST
SEC: 17 TWN: 030N RNG: 011W BLK: UNIT LTR: A NE/4 NE/4
LOCATION: 800'N 1100'E
SURVEY:
BOTTOM HOLE LOCATION: SEC: TWN: RNG: UNIT LTR:
NOTE:
DEDICATED SUBDIVISION: 04 N/2 OPERATOR: BURLINGTON RESOURCES
WELL SPACING ACREAGE: 320.00 PROSPECT: 4683 SAN JUAN BASIN (MC
FORMATION: DAKOTA BASIN: 580 SAN JUAN BASIN
COUNTY/STATE: SAN JUAN NM FIELD: BASIN DAKOTA (PRORAT
BASE FILE: NM4960
TOTAL DEPTH: 6660 REG FILE: NM 4960
TOP PERF: 6417 WELL STATUS: S/I DATE: 01/09/98
BOTTOM PERF: 6603 SPUD DATE: 04/10/85 WELL COMP: 05/17/8
AFE #: COMPANY INT: DRLG COMP: 05/10/85 APPROVED: 11/17/9
ACQ NAME:

==========

ENTER=NEXT PAGE PFXX=DETAILS PF12=MENU PF20=MORE DESC PF24=HELP

Offset MV well

Page No.: 1
Print Time: Mon Mar 02 14:23:05 1998
Property ID: 10183
Property Name: TAYLOR COM | 2 | 2689A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

| --DATE-- | ---CUM_GAS-- Mcf | M_SIWHP Psi | |
|---|---|---|---|
| 04/10/88 | 68561 | 828.0 | Orig |
| 01/08/89 | 134725 | 757.0 | |
| 04/18/90 | 264595 | 625.0 | |
| 03/18/91 | 331272 | 650.0 | |
| 06/29/91 | 340045 | 662.0 | |
| 08/02/93 | 443427 | 562.0 | current |

REQUESTED RECORD NOT FOUND (NEXT RECORD DISPLAYED) Offset MV well

OPR008M1 0088 O008 CHROMATOGRAPH TEST MAIN SCREEN 15:20:33.1 03/02/98

```
FUNCTION (A,C,D,I)   I          ** DATA AT TEST PRESSURE UNLESS NOTED **
MP NUMBER              92128    TAYLOR COM                    2
EFFECTIVE DATE       19970101
REGION CD            42         SAN JUAN
MP TYPE CODE         10         GAS METER - WELLHEAD SALES
```

---

```
SAMPLE TYPE CODE (GAS,LIQ,BTU)  GAS            ------- BTU/CF -------
SAMPLE DATE                     19961111         --- (AT 14.73 PSIG) --
SAMPLE LINE PRESSURE (PSIG)     ______         WET 1234.163  DRY 1256.000
SAMPLE LINE TEMPERATURE (DEG F) ____
TEST DATE                       ________         ------- BTU/CF -------
TEST PRESSURE (PSIG)            _14.730        WET _1234.163 DRY _1256.000
TEST TEMPERATURE (DEG F)        60                VAPOR FACTOR   _______
TEST LIFE (MONTHS)              __6
TESTER SOURCE BA NUMBER         098795  EL PASO FIELD SERVICES
TEST PURPOSE CODE               __
```

---

```
03=DETAIL SCR   04=MP-NM BRWS   06=MP/DS LST    07=MP/WN LST
11=PREV SCR     12=MAIN MENU                    20=NEXT REC
21=REFRESH SCR  22=PREV MENU    24=HELP         PA1=TERMINATE        ________
```

Offset MW Well

OPR008M2 0088 O008 CHROMATOGRAPH GAS SAMPLE DETAIL 15:20:46.3 03/02/98

** DATA AT 14.730 PSIG UNLESS NOTED **

| | MOL % | GPM (AT 14.73) |
|---|---|---|
| HYDROGEN | | |
| HELIUM | | |
| NITROGEN | 0.21 | |
| OXYGEN | | |
| HYDROGEN SULFIDE | | |
| CARBON DIOXIDE | 0.46 | |
| METHANE | 81.33 | |
| ETHANE | 9.48 | 2.5359 |
| PROPANE | 4.79 | 1.3201 |
| ISO-BUTANE | 1.01 | 0.3304 |
| N-BUTANE | 1.18 | 0.3721 |
| ISO-PENTANE | 0.45 | 0.1647 |
| N-PENTANE | 0.32 | 0.1159 |
| HEXANE | | |
| HEXANE PLUS | 0.77 | 0.3360 |
| HEPTANE PLUS | | |
| TOTALS | 100.00 | 5.1751 |

MP NUMBER 92128

EFFECTIVE DATE 19970101

-- GASOLINE CONTENT (GPM) --

26/70 GASOLINE

100% PROPANE

EXCESS BUTANES

TOTAL

----- SPECIFIC GRAVITY -----

CALCULATED 0.7190

MEASURED

SULPHER GRAINS / 100 CU FT

---

03=MAIN SCREEN 24=HELP PA1=TERMINATE

Offset MV well

FDG055M4 0088 WELL PRODUCTION 8/8'S VOLUME 03/02/98 15:17:4

START OF DATA

DP NO: .2689A DATE: 980228 (YYMMDD FORMAT)

TAYLOR COM 2 SCROLL FORWARD BY DATE: _

| SEL | DATE PRODUCED | HOURS ON | -OIL PRODN- (BOPD | BOPM) | -GAS PRODN- (MCFD | MCFM) | -WATER PRODN- (BWPD | BWPM) |
|---|---|---|---|---|---|---|---|---|
| _ | 02/28/98 | 24.0 | 0.89 | 24.92 | 127 | 3480 | 0.00 | 0.00 |
| _ | 02/27/98 | 24.0 | 0.89 | 24.03 | 127 | 3353 | 0.00 | 0.00 |
| _ | 02/26/98 | 24.0 | 0.89 | 23.14 | 132 | 3226 | 0.00 | 0.00 |
| _ | 02/25/98 | 24.0 | 0.89 | 22.25 | 127 | 3094 | 0.00 | 0.00 |
| _ | 02/24/98 | 24.0 | 0.89 | 21.36 | 132 | 2967 | 0.00 | 0.00 |
| _ | 02/23/98 | 24.0 | 0.89 | 20.47 | 137 | 2835 | 0.00 | 0.00 |
| _ | 02/22/98 | 24.0 | 0.89 | 19.58 | 136 | 2698 | 0.00 | 0.00 |
| _ | 02/21/98 | 24.0 | 0.89 | 18.69 | 136 | 2562 | 0.00 | 0.00 |
| _ | 02/20/98 | 24.0 | 0.89 | 17.80 | 136 | 2426 | 0.00 | 0.00 |
| _ | 02/19/98 | 24.0 | 0.89 | 16.91 | 102 | 2290 | 0.00 | 0.00 |
| _ | 02/18/98 | 24.0 | 0.89 | 16.02 | 132 | 2188 | 0.00 | 0.00 |

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU

PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP

FDG055M4 0088 WELL PRODUCTION 8/8'S VOLUME 03/02/98 15:18:4

DP NO: 2689A DATE: 980217 (YYMMDD FORMAT)
TAYLOR COM 2 SCROLL FORWARD BY DATE: _

| S E L | DATE PRODUCED | HOURS ON | -OIL PRODN- (BOPD | BOPM) | -GAS PRODN- (MCFD | MCFM) | -WATER PRODN- (BWPD | BWPM) |
|---|---|---|---|---|---|---|---|---|
| _ | 02/17/98 | 24.0 | 0.89 | 15.13 | 126 | 2056 | 0.00 | 0.00 |
| _ | 02/16/98 | 24.0 | 0.89 | 14.24 | 113 | 1930 | 0.00 | 0.00 |
| _ | 02/15/98 | 24.0 | 0.89 | 13.35 | 134 | 1817 | 0.00 | 0.00 |
| _ | 02/14/98 | 24.0 | 0.89 | 12.46 | 138 | 1683 | 0.00 | 0.00 |
| _ | 02/13/98 | 24.0 | 0.89 | 11.57 | 140 | 1545 | 0.00 | 0.00 |
| _ | 02/12/98 | 24.0 | 0.89 | 10.68 | 107 | 1405 | 0.00 | 0.00 |
| _ | 02/11/98 | 24.0 | 0.89 | 9.79 | 126 | 1298 | 0.00 | 0.00 |
| _ | 02/10/98 | 24.0 | 0.89 | 8.90 | 117 | 1172 | 0.00 | 0.00 |
| _ | 02/09/98 | 24.0 | 0.89 | 8.01 | 114 | 1055 | 0.00 | 0.00 |
| _ | 02/08/98 | 24.0 | 0.89 | 7.12 | 115 | 941 | 0.00 | 0.00 |
| _ | 02/07/98 | 24.0 | 0.89 | 6.23 | 124 | 826 | 0.00 | 0.00 |

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP

FDG055M4 0088 WELL PRODUCTION 8/8'S VOLUME 03/02/98 15:18:5

DP NO: 2689A DATE: 980206 (YYMMDD FORMAT)
TAYLOR COM 2 SCROLL FORWARD BY DATE: _
S

| E L | DATE PRODUCED | HOURS ON | -OIL PRODN- (BOPD | BOPM) | -GAS PRODN- (MCFD | MCFM) | -WATER PRODN- (BWPD | BWPM) |
|---|---|---|---|---|---|---|---|---|
| _ | 02/06/98 | 24.0 | 0.89 | 5.34 | 117 | 702 | 0.00 | 0.00 |
| _ | 02/05/98 | 24.0 | 0.89 | 4.45 | 112 | 585 | 0.00 | 0.00 |
| _ | 02/04/98 | 24.0 | 0.89 | 3.56 | 119 | 473 | 0.00 | 0.00 |
| _ | 02/03/98 | 24.0 | 0.89 | 2.67 | 127 | 354 | 0.00 | 0.00 |
| _ | 02/02/98 | 24.0 | 0.89 | 1.78 | 100 | 227 | 0.00 | 0.00 |
| _ | 02/01/98 | 24.0 | 0.89 | 0.89 | 127 | 127 | 0.00 | 0.00 |
| _ | 01/31/98 | 24.0 | 0.00 | 0.00 | 127 | 3740 | 0.00 | 0.00 |
| _ | 01/30/98 | 24.0 | 0.00 | 0.00 | 127 | 3613 | 0.00 | 0.00 |
| _ | 01/29/98 | 24.0 | 0.00 | 0.00 | 121 | 3486 | 0.00 | 0.00 |
| _ | 01/28/98 | 24.0 | 0.00 | 0.00 | 117 | 3365 | 0.00 | 0.00 |
| _ | 01/27/98 | 24.0 | 0.00 | 0.00 | 115 | 3248 | 0.00 | 0.00 |

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP

DL

Organize Data ScreenGraph Economics Report Plot Utility Quit

Editing: MONTGOMERY | 2 | 53971A-1 Property No.: 2094

Table(T): TEST/M,P,H,T,Z,C,O,D,1,2,3,B,U,S Rec: 1/6/24621

Item: 2/6/33 Name: DATE Type: Date Len: 8/48/203

| --DATE-- | ---CUM_GAS-- | M_FWHP- | M_FBHP- | M_SIWHP | M_SIBHP |
|---|---|---|---|---|---|
| | Mcf | Psi | Psi | Psi | Psi |
| 09/19/85 | 33526 | 259.0 | | 1026.0 avg | 0.0 |
| 08/13/86 | 103589 | 153.0 | | 767.0 | 0.0 |
| 06/04/87 | 160889 | 125.0 | | 564.0 | 0.0 |
| 01/03/89 | 240829 | 160.0 | | 674.0 | 0.0 |
| 04/18/90 | 292014 | 177.0 | | 672.0 | 0.0 |
| 11/30/92 | 402270 | 196.0 | | 521.0 cum. | 0.0 |

F1=Help F3=PrvProp F5=PrvTbl F7=InsRcd F9=Utils Alt+TableLtr=Change Table
F2=Jump F4=NxtProp F6=NxtTbl F8=DelRcd F10=Exit Ctrl+Home/End=Top/Bottom

REQUESTED RECORD NOT FOUND (NEXT RECORD DISPLAYED)

OPR008M1 3043 O008 CHROMATOGRAPH TEST MAIN SCREEN 12:00:49.5 02/17/98

Montgomery 2 DK

FUNCTION (A,C,D,I) I ** DATA AT TEST PRESSURE UNLESS NOTED **

MP NUMBER 95323 MONTGOMERY 2

EFFECTIVE DATE 19961101

REGION CD 42 SAN JUAN

MP TYPE CODE 10 GAS METER - WELLHEAD SALES

---

SAMPLE TYPE CODE (GAS,LIQ,BTU) GAS ------- BTU/CF -------

SAMPLE DATE 19961003 --- (AT 14.73 PSIG) --

SAMPLE LINE PRESSURE (PSIG) _____ WET 1178.154 DRY 1199.000

SAMPLE LINE TEMPERATURE (DEG F) ____

TEST DATE _____ ------- BTU/CF -------

TEST PRESSURE (PSIG) _14.730 WET _1178.154 DRY _1199.000

TEST TEMPERATURE (DEG F) 60 VAPOR FACTOR _____

TEST LIFE (MONTHS) __6

TESTER SOURCE BA NUMBER 098795 EL PASO FIELD SERVICES

TEST PURPOSE CODE __

---

03=DETAIL SCR 04=MP-NM BRWS 06=MP/DS LST 07=MP/WN LST

11=PREV SCR 12=MAIN MENU 20=NEXT REC

21=REFRESH SCR 22=PREV MENU 24=HELP PA1=TERMINATE _____

OPR008M2 3043 O008 CHROMATOGRAPH GAS SAMPLE DETAIL 12:01:02.6 02/17/98

Montgomery 2 DK

** DATA AT 14.730 PSIG UNLESS NOTED **

| | MOL % | GPM (AT 14.73) |
|---|---|---|
| HYDROGEN | | |
| HELIUM | | |
| NITROGEN | 0.52 | |
| OXYGEN | | |
| HYDROGEN SULFIDE | | |
| CARBON DIOXIDE | 1.45 | |
| METHANE | 82.45 | |
| ETHANE | 8.86 | 2.3701 |
| PROPANE | 3.87 | 1.0666 |
| ISO-BUTANE | 0.56 | 0.1832 |
| N-BUTANE | 1.19 | 0.3752 |
| ISO-PENTANE | 0.38 | 0.1390 |
| N-PENTANE | 0.30 | 0.1087 |
| HEXANE | | |
| HEXANE PLUS | 0.42 | 0.1832 |
| HEPTANE PLUS | | |
| TOTALS | 100.00 | 4.4260 |

MP NUMBER 95323

EFFECTIVE DATE 19961101

-- GASOLINE CONTENT (GPM) --

26/70 GASOLINE

100% PROPANE

EXCESS BUTANES

TOTAL

----- SPECIFIC GRAVITY -----

CALCULATED 0.7030

MEASURED

SULPHER GRAINS / 100 CU FT

---

03=MAIN SCREEN 24=HELP PA1=TERMINATE

OPR099M1 1151 O099 PRODUCTION ALLOCATION LISTING 15:35:41.7 03/02/98

DP-NO: 53971A WELL NAME: MONTGOMERY DK 2
PRODUCTION DATE: _____ PROD CODE: __ DISP CODE: __ DP STATUS: HIST

| DP NUMBER | PRODN DATE | PRODUCTION CD | PRODUCTION NAME | DISPOSITION CD | DISPOSITION NAME | VOLUME | PROD QUAL | ACTL DAYS | REV RCD | PRD RCD |
|---|---|---|---|---|---|---|---|---|---|---|
| 53971A | 199711 | 02 | CONDENSATE | 11 | SALES - WE | 0.00 | | 30.0 | T | F |
| 53971A | 199711 | 02 | CONDENSATE | 51 | INVENTORY | 68.72 | | 30.0 | T | F |
| 53971A | 199711 | 02 | CONDENSATE | 52 | INVENTORY | 68.72 | | 30.0 | T | F |
| 53971A | 199711 | 11 | GAS WELL G | 00 | PRODUCTION | 62.00 | | 30.0 | T | F |
| 53971A | 199711 | 11 | GAS WELL G | 11 | SALES - WE | 0.00 | 1168.3276 | 30.0 | T | F |
| 53971A | 199711 | 11 | GAS WELL G | 26 | LEASE USE/ | 62.00 | 1168.3276 | 30.0 | T | F |
| 53971A | 199711 | 20 | WATER | 00 | PRODUCTION | 0.00 | | 30.0 | T | F |
| 53971A | 199711 | 20 | WATER | 00 | PRODUCTION | 0.00 | | 30.0 | T | F |
| 53971A | 199711 | 20 | WATER | 32 | SURFACE PI | 0.00 | | 30.0 | T | F |
| 53971A | 199711 | 20 | WATER | 32 | SURFACE PI | 0.00 | | 30.0 | T | F |

PRESS <ENTER> TO CONTINUE

11=PREV SCREEN 12=MAIN MENU 19=PAGE BACKWARD
20=PAGE FORWARD 21=REFRESH 22=PREV MENU 24=HELP _____

OPR099M1 1151 O099 PRODUCTION ALLOCATION LISTING 15:36:06.7 03/02/98

DP-NO: 53971A WELL NAME: MONTGOMERY 2
PRODUCTION DATE: _____ PROD CODE: __ DISP CODE: __ DP STATUS: HIST

| DP NUMBER | PRODN DATE | PRODUCTION CD | PRODUCTION NAME | DISPOSITION CD | DISPOSITION NAME | VOLUME | PROD QUAL | ACTL DAYS | REV RCD | PRD RCD |
|---|---|---|---|---|---|---|---|---|---|---|
| 53971A | 199712 | 02 | CONDENSATE | 00 | PRODUCTION | 0.00 | | 31.0 | T | F |
| 53971A | 199712 | 02 | CONDENSATE | 11 | SALES - WE | 0.00 | | 31.0 | T | F |
| 53971A | 199712 | 02 | CONDENSATE | 51 | INVENTORY | 68.72 | | 31.0 | T | F |
| 53971A | 199712 | 02 | CONDENSATE | 52 | INVENTORY | 68.72 | | 31.0 | T | F |
| 53971A | 199712 | 11 | GAS WELL G | 00 | PRODUCTION | 64.00 | | 31.0 | T | F |
| 53971A | 199712 | 11 | GAS WELL G | 11 | SALES - WE | 0.00 | 1168.3276 | 31.0 | T | F |
| 53971A | 199712 | 11 | GAS WELL G | 26 | LEASE USE/ | 64.00 | 1168.3276 | 31.0 | T | F |
| 53971A | 199712 | 20 | WATER | 00 | PRODUCTION | 0.00 | | 31.0 | T | F |
| 53971A | 199712 | 20 | WATER | 00 | PRODUCTION | 0.00 | | 31.0 | T | F |
| 53971A | 199712 | 20 | WATER | 32 | SURFACE PI | 0.00 | | 31.0 | T | F |

PRESS <ENTER> TO CONTINUE

11=PREV SCREEN 12=MAIN MENU 19=PAGE BACKWARD
20=PAGE FORWARD 21=REFRESH 22=PREV MENU 24=HELP _____

DK

FDG055M4 3043 WELL PRODUCTION 8/8'S VOLUME 02/17/98 11:58:47
START OF DATA
DP NO: 53971A DATE: 980215 (YYMMDD FORMAT)
MONTGOMERY 2 SCROLL FORWARD BY DATE: _

| S E L | DATE PRODUCED | HOURS ON | -OIL PRODN- (BOPD | BOPM) | -GAS PRODN- (MCFD | MCFM) | -WATER PRODN- (BWPD | BWPM) |
|---|---|---|---|---|---|---|---|---|
| _ | 02/15/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/14/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/13/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/12/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/11/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/10/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/09/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/08/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/07/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/06/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/05/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP

FDG055M4 3043 WELL PRODUCTION 8/8'S VOLUME 02/17/98 11:59:06

DP NO: 53971A DATE: 980204 (YYMMDD FORMAT)
MONTGOMERY 2 SCROLL FORWARD BY DATE: _

| S E L | DATE PRODUCED | HOURS ON | -OIL PRODN- (BOPD | BOPM) | -GAS PRODN- (MCFD | MCFM) | -WATER PRODN- (BWPD | BWPM) |
|---|---|---|---|---|---|---|---|---|
| _ | 02/04/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/03/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/02/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 02/01/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/31/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/30/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/29/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/28/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/27/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/26/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/25/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP

FDG055M4 3043 WELL PRODUCTION 8/8'S VOLUME 02/17/98 11:59:22

DP NO: 53971A DATE: 980124 (YYMMDD FORMAT)
MONTGOMERY 2 SCROLL FORWARD BY DATE: _

| S E L | DATE PRODUCED | HOURS ON | -OIL PRODN- (BOPD | BOPM) | -GAS PRODN- (MCFD | MCFM) | -WATER PRODN- (BWPD | BWPM) |
|---|---|---|---|---|---|---|---|---|
| _ | 01/24/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/23/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/22/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/21/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/20/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/19/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/18/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/17/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/16/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/15/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/14/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP

FDG055M4 3043 WELL PRODUCTION 8/8'S VOLUME 02/17/98 11:59:35

DP NO: 53971A DATE: 980113 (YYMMDD FORMAT)
MONTGOMERY 2 SCROLL FORWARD BY DATE: _

| S E L | DATE PRODUCED | HOURS ON | -OIL PRODN- (BOPD | BOPM) | -GAS PRODN- (MCFD | MCFM) | -WATER PRODN- (BWPD | BWPM) |
|---|---|---|---|---|---|---|---|---|
| _ | 01/13/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/12/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/11/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/10/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/09/98 | 0.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/08/98 | 23.7 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/07/98 | 24.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/06/98 | 24.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/05/98 | 24.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/04/98 | 24.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |
| _ | 01/03/98 | 24.0 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 |

ENTER I UNDER SEL FOR MAINTENANCE

PF6=NRI PF10=BROWSE MENU PF11=INQ/UPDATE MENU
PF12=MAIN MENU ENTER=BACKWARDS PF24=HELP

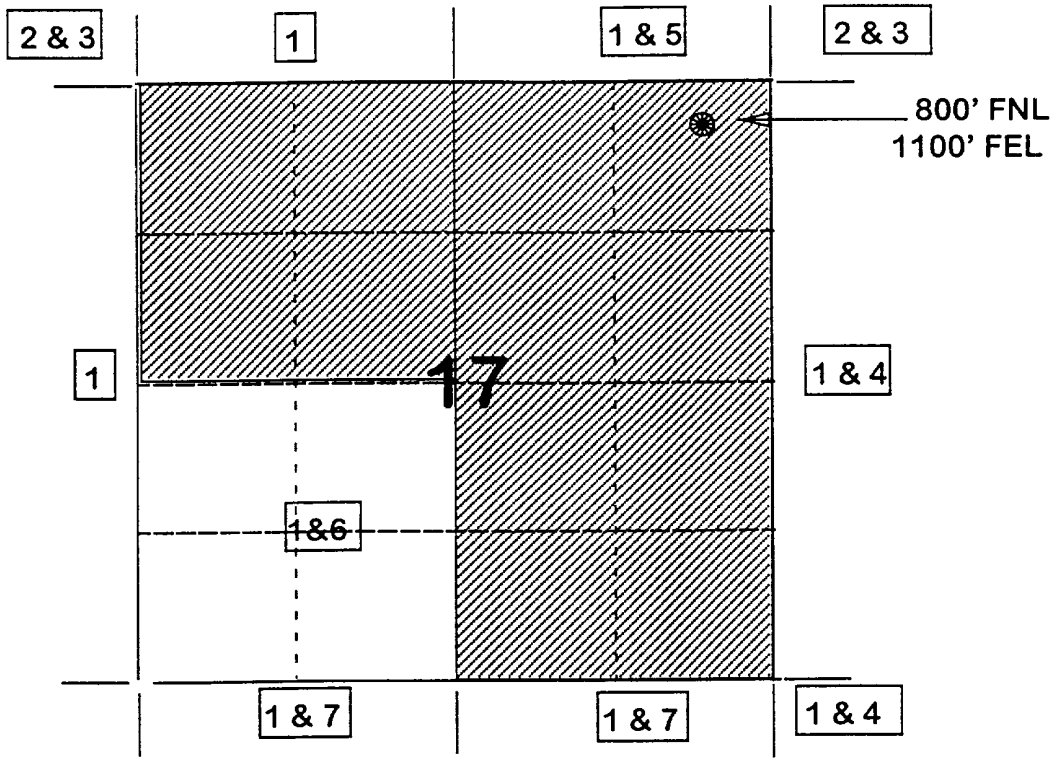
*BURLINGTON RESOURCES OIL AND GAS COMPANY*

**Montgomery #2**

**OFFSET OPERATOR \ OWNER PLAT**

# Mesaverde (E/2) / (N/2) Dakota Formations Commingle Well

Township 30 North, Range 11 West




1) Burlington Resources
2) Conoco Inc.
   10 Desta Drive, Ste. 100W
   Midland, TX 79705
3) Taurus Exploration
   2198 Bloomfield Hwy
   Farmington, NM 87401
4) Amoco Production Co.
   P.O. Box 800
   Denver, CO 80201
5) Robert L. Bayless
   P.O. Box 168
   Farmington, NM 87499
6) Roddy Production Company
   P.O. Box 2221
   Farmington, NM 87499
7) Koch Exploration Co.
   P.O. Box 2221
   Farmington, NM 87499

State of New Mexico
Energy, Minerals and Natural Resources Department
**Oil Conservation Division**

**Sundry Notices and Reports on Wells**

RECEIVED
JUN 16 1998
OIL CON. DIV.
DIST. 3

1. **Type of Well**
GAS

DHC-1896

**API # (assigned by OCD)**
30-045-26224

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

7. **Lease Name/Unit Name**
Taylor Com

8. **Well No.**
2A

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **Pool Name or Wildcat**
Blanco MV/Basin DK

4. **Location of Well, Footage, Sec., T, R, M**
800'FNL, 1100'FEL, Sec 17, T-30-N, R-11-W, NMPM, San Juan County

10. **Elevation:**

| Type of Submission | | Type of Action | |
|---|---|---|---|
| ___ | Notice of Intent | ___ Abandonment | ___ Change of Plans |
| | | _X_ Recompletion | ___ New Construction |
| _X_ | Subsequent Report | ___ Plugging Back | ___ Non-Routine Fracturing |
| | | ___ Casing Repair | ___ Water Shut off |
| ___ | Final Abandonment | ___ Altering Casing | ___ Conversion to Injection |
| | | _X_ Other - Commingle | |

**13. Describe Proposed or Completed Operations**

6-1-98 MIRU. ND WH. NU BOP. TOOH w/204 jts 2 3/8" tbg. TIH w/4 ½" csg scraper to 4700'. TOOH. TIH w/CIBP, set @ 4730'. Load hole w/1% KCl wtr. Ran CNL @ 3500-4690'. Ran CBL-CCL-GR @ 2700-4700', TOC on 4 ½" csg @ 3200'. TOOH. TIH w/4 ½" pkr, set @ 67'. PT csg to 3500 psi, OK. Release pkr, TOOH. TIH to 4530'. Spot 150 gal 15% HCl across Point Lookout interval. TOOH. TIH, perf Point Lookout w/1 SPF @ 4320, 4325, 4330, 4336, 4342, 4348, 4354, 4360, 4366, 4372, 4378, 4384, 4390, 4396, 4405, 4413, 4422, 4430, 4445, 4452, 4463, 4474, 4482, 4486, 4492, 4496, 4500, 4504, 4513' w/29 0.29" diameter holes total.

6-2-98 Acidize w/1500 gal 15% HCl. Frac Point Lookout w/2242 bbl 1% KCl slk wtr, 85,000# 20/40 Brady sd. SI. TOOH. TIH w/CIBP, set @ 4300'. TOOH. TIH w/pkr, set @ 67'. PT CIBP to 3500 psi, OK. TIH, spot 200 gal 15% HCl across Menefee interval. TOOH. TIH, perf Menefee w/2 SPF @ 4060, 4098, 4158, 4168, 4171, 4177, 4180, 4183, 4243, 4246, 4249, 4252, 4255, 4258, 4274' w/30 0.29" diameter holes total. Acidize w/1500 gal 15% HCl. Frac Menefee w/2378 bbl 1% KCl slk wtr, 95,000# 20/40 Arizona & Brady sd. CO after frac.

6-3/7-98 Blow well & CO.

6-8-98 Blow well & CO. Establish circ. Drill out CIBP @ 4300'. Blow well & CO to 4730'.

6-9-98 Blow well & CO. Establish circ. Drill out CIBP @ 4730'. Blow well & CO to PBTD @ 6633'.

6-10-98 TOOH. TIH, ran after frac logs @ 3750-4650', ran perf efficiency logs @ 4000-6610'. TOOH. TIH, blow well & CO. TOOH. TIH w/201 jts 2 3/8" 4.7# J-55 EUE tbg, landed @ 6492'. ND BOP. NU WH. RD. Rig released.

SIGNATURE _____ Regulatory Administrator June 12, 1998
no

**(This space for State Use)**

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date JUN 22 1998

DHC-1896

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION
P. O. Box 2089
Santa Fe, New Mexico 87504-2088

RECEIVED
JUN 16 1998
OIL CON. DIV.
DIST. 3

Form C-105
Revised 1-1-89

WELL API NO. 30-045-26224

5. Indicate Type of Lease STATE [ ] FEE [X]

6. State Oil & Gas Lease No.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER DHC-1896

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR [X] OTHER

7. Lease Name or Unit Agreement Name: Taylor Com

2. Name of Operator: BURLINGTON RESOURCES OIL & GAS COMPANY

8. Well No.: 2A

3. Address of Operator: PO BOX 4289, Farmington, NM 87499

9. Pool name or Wildcat: Blanco MV/Basin DK

4. Well Location
Unit Letter A : 800 Feet From The North Line and 1100 Feet From The East Line

Section 17 Township 30N Range 11W NMPM San Juan County

| 10. Date Spudded | 11. Date T.D. Reached | 12. Date Compl. (*Ready to Prod.*) | 13. Elevations (*DF&RKB, RT, GR, etc.*) | 14. Elev. Casinghead |
|---|---|---|---|---|
| 4-10-85 | 4-23-85 | 6-10-98 | 5599 KB | |

| 15. Total Depth | 16. Plug Back T.D. | 17. If Multiple Compl. How Many Zones? | 18. Intervals Drilled By | Rotary Tools | Cable Tools |
|---|---|---|---|---|---|
| 6653 | 6633 | | | 0-6653 | |

19. Producing Interval(s), of this completion - Top, Bottom, Name: 4060-4513 Mesaverde

20. Was Directional Survey Made:

21. Type Electric and Other Logs Run: CNL, CBL-CCL-GR

22. Was Well Cored: No

23. **CASING RECORD (Report all strings set in well)**

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 9 5/8 | 36# | 314 | 12 1/4 | 201 cu.ft. | |
| 4 1/2 | 10.5# & 11.6# | 6653 | 7 7/8 | 2270 cu.ft. | |
| | | | | | |
| | | | | | |
| | | | | | |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|---|---|---|---|---|
| | | | | |
| | | | | |

25. TUBING RECORD

| SIZE | DEPTH SET | PACKER SET |
|---|---|---|
| 2 3/8 | 6492 | |
| | | |

26. Perforation record (interval, size, and number)
4060, 4098, 4158, 4168, 4171, 4177, 4180, 4183, 4243, 4246, 4249, 4252, 4255, 4258, 4274, 4320, 4325, 4330, 4336, 4342, 4348, 4354, 4360, 4366, 4372, 4378, 4384, 4390, 4396, 4405, 4413, 4422, 4430, 4445, 4452, 4463.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|---|---|
| 4060-4274 | 2378 bbl 1% KCl slk wtr. 95,000# 20/40 Arizona sd |
| | |
| 4320-4513 | 2242 bbl 1% KCl slk wtr. 85,000# 20/40 Brady sd |

28. **PRODUCTION**

| Date First Production | Production Method (*Flowing, gas lift, pumping - Size and type pump*) | Well Status (*Prod. or Shut-in*) |
|---|---|---|
| 6-10-98 | Flowing | SI |

| Date of Test | Hours Tested | Choke Size | Prod'n for Test Period | Oil - Bbl. | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|---|---|---|---|---|---|---|---|
| 6-10-98 | | | | | 1017 Pitot Gauge | | |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl | Gas - MCF | Water - Bbl | Oil Gravity - API - (*Corr.*) |
|---|---|---|---|---|---|---|
| SI 698 | SI 704 | | | | | |

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*): To be sold

Test Witnessed By:

30. List Attachments: None

31. *I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief*

Signature: Peggy Bradfield Printed Name: Peggy Bradfield Title: Regulatory Administrator Date: 6-12-98

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE.

| Southeastern New Mexico | | | | Northwestern New Mexico | | | |
|---|---|---|---|---|---|---|---|
| T. Anhy | | T. Canyon | | T. Ojo Alamo | 572 | T. Penn. "B" | |
| T. Salt | | T. Strawn | | T. Kirtland-Fruitland | 626-1568 | T. Penn. "C" | |
| B. Salt | | T. Atoka | | T. Pictured Cliffs | 1970 | T. Penn. "D" | |
| T. Yates | | T. Miss | | T. Cliff House | | T. Leadville | |
| T. 7 Rivers | | T. Devonian | | T. Menefee | 3682 | T. Madison | |
| T. Queen | | T. Silurian | | T. Point Lookout | 4315 | T. Elbert | |
| T. Grayburg | | T. Montoya | | T. Mancos | 4765 | T. McCracken | |
| T. San Andres | | T. Simpson | | T. Gallup | 5550 | T. Ignacio Otzte | |
| T. Glorieta | | T. McKee | | Base Greenhorn | 6298 | T. Granite | |
| T. Paddock | | T. Ellenburger | | T. Dakota | 6488 | T. | |
| T. Blinebry | | T. Gr. Wash | | T. Morrison | | T. | |
| T. Tubb | | T. Delaware Sand | | T. Todilto | | T. | |
| T. Drinkard | | T. Bone Springs | | T. Entrada | | T. | |
| T. Abo | | T. | | T. Wingate | | T. | |
| T. Wolfcamp | | T. | | T. Chinle | | T. | |
| T. Penn | | T. | | T. Permian | | T. | |
| T. Cisco (Bough C) | | T. | | T. Penn "A" | | T. | |

### OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____

No. 2, from _____ to _____ feet _____

No. 3, from _____ to _____ feet _____

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness in Feet | Lithology | From | To | Thickness in Feet | Lithology |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

Perforations continued:
4474, 4482, 4486, 4492, 4496, 4500, 4504, 4513

State of New Mexico
Energy, Minerals and Natural Resources Department
**Oil Conservation Division**

## Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

**API # (assigned by OCD)**
30-045-26224

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

7. **Lease Name/Unit Name**
Montgomery

8. **Well No.**
2

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **Pool Name or Wildcat**
Blanco MV/Basin DK

4. **Location of Well, Footage, Sec., T, R, M**
800'FNL, 1100'FEL, Sec. 17, T-30-N, R-11-W, NMPM, San Juan County

10. **Elevation:**

| Type of Submission | Type of Action | |
|---|---|---|
| _X_ Notice of Intent | ___ Abandonment | _X_ Change of Plans |
| | _X_ Recompletion | ___ New Construction |
| ___ Subsequent Report | ___ Plugging Back | ___ Non-Routine Fracturing |
| | ___ Casing Repair | ___ Water Shut off |
| ___ Final Abandonment | ___ Altering Casing | ___ Conversion to Injection |
| | _X_ Other - Commingle | |

**13. Describe Proposed or Completed Operations**

It is intended to recomplete the subject well to the Mesaverde formation according to the attached procedure and wellbore diagram. The well will then be down hole commingled. A down hole commingle order will be applied for. Please cancel our sundry to recomplete and abandon the Dakota approved 11-25-97.

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FEB - 5 1998
OIL CON. DIV.
DIST. 3

SIGNATURE [signature] (PMPOpps) Regulatory Administrator February 2, 1998

**(This space for State Use)**

**Approved by** ORIGINAL SIGNED BY ERNIE BUSCH **Title** DEPUTY OIL & GAS INSPECTOR, DIST. #3 **Date** FEB - 6 1998

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

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

Fo
Revised February
Instructions
Submit to Appropriate Distri
State Lease -
Fee Lease -

☐ AMENDED

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| ¹API Number | ²Pool Code | ³Pool Name |
|---|---|---|
| 30-045-26224 | 72319/71599 | Blanco Mesaverde/Basin Dakota |

| ⁴Property Code | ⁵Property Name | ⁶Well Nu |
|---|---|---|
| 7321 | MONTGOMERY Taylor Com | 2M |

| ⁷OGRID No. | ⁸Operator Name | ⁹Elevat |
|---|---|---|
| 14538 | BURLINGTON RESOURCES OIL & GAS COMPANY | 558 |

## ¹⁰ Surface Location

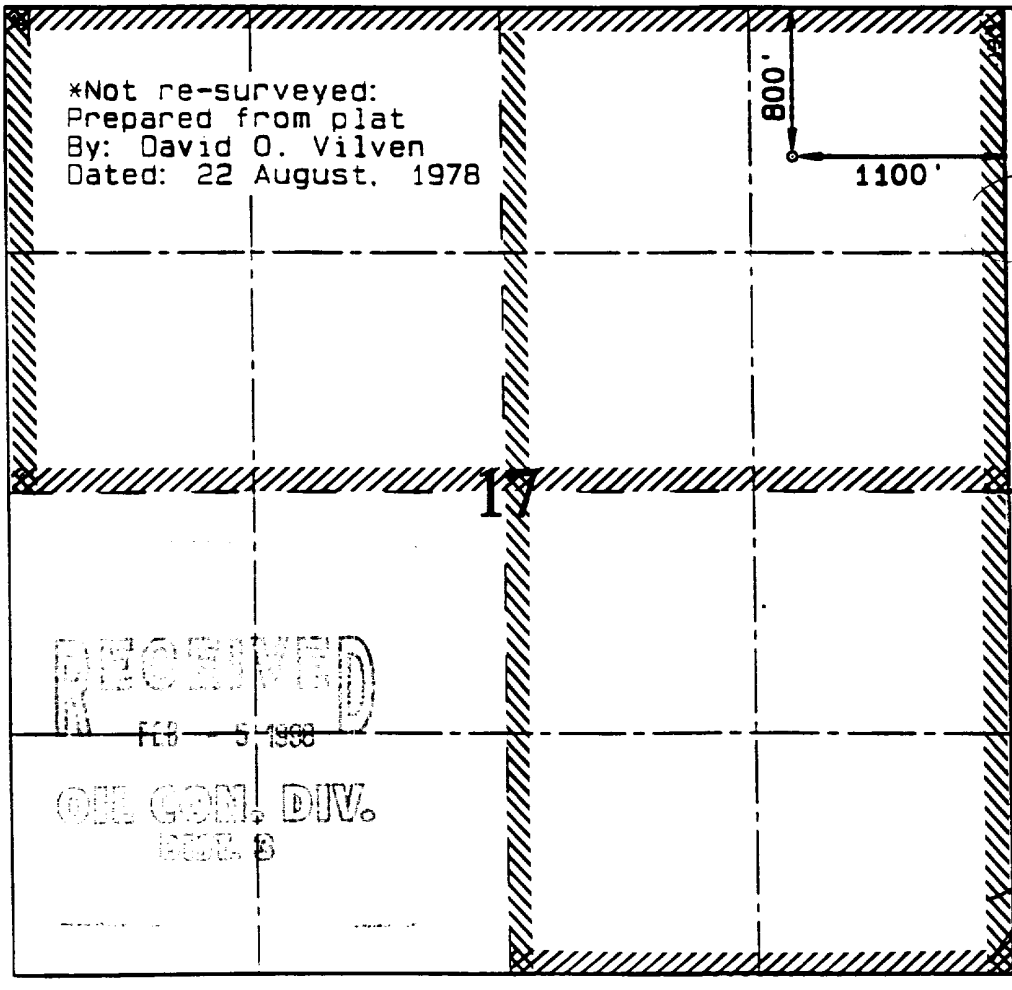
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | SA |
|---|---|---|---|---|---|---|---|---|---|
| A | 17 | 30N | 11W | | 800 | North | 1100' | East | |

## 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| ¹² Dedicated Acres | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|---|---|---|---|
| MV-E/320<br>DK-N/320 | | | |

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




RECEIVED
FEB — 5 1998
OIL CON. DIV.
DIST. 3

¹⁷ OPERATOR CERTIFIC

I hereby certify that the information conta
true and complete to the best of my knowlec

Signature

Peggy Bradfield

Printed Name

Regulatory Adminis

Title

11-20-97

Date

¹⁸ SURVEYOR CERTIFIC

I hereby certify that the well location sho
was plotted from field notes of actual surv
or under my supervision, and that the same
correct to the best of my belief.

OCTOBER 29, 1997

Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857

6857

Certificate Number

MONTGOMERY #2 MV
Recompletion Procedure
A 17 30 11
San Juan County, N.M.
Lat-Long: 36-49.03" - 107-00.49"

**Revised 1/28/98**

**PROJECT SUMMARY**: Open MV to production in this 1985 DK well and commingle w/DK.

1. Comply to all NMOCD, BLM, and BR rules and regulations. MOL and RU completion rig. NU 7-1/16" 3000 psi BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.

2. TOH w/2-3/8" DK tbg. **Note: Tbg has plunger stuck in bottom which is topped w/sand.** Run 4-1/2" csg scraper on 2-3/8" tbg to 4700'. TOH.

3. MI wireline. Set drillable BP @ 4700'. Run CBL from 4700' to find TOC above stg tool @ 4751' and an advanced integrated data processed GSL neutron log 4700'-3500' and correlate to attached open hole log. If necessary, pressure csg to 1000 psi for CBL log. **Hot-shot** logs to Mike Pippin (326-9848) to determine location of MV perfs. Run 4-1/2" pkr on 2 jts 2-3/8" tbg and pressure test csg to 3500 psi. TOH.

**POINT LOOKOUT:**

4. TIH w/2-3/8" tbg open ended and spot 150 gal 15% HCL acid across Point Lookout perfs @ about ~4320'-4514'. TOH.

   All acid on this well to contain the following additives per 1000 gal:

| | | |
|---|---|---|
| 2 gal | CI-22 | corrosion inhibitor |
| 5 gal | Ferrotrol-300L | iron control |
| 1 gal | Flo-back 20 | Surfactant |
| 0.5 gal | Clay Master-5C | clay control |

5. Using GSL log, perf Point Lookout w/about 30 holes @ 1 spf @ about 4320' to 4514'. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.

6. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1496 bbls.

7. TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 4100'. W/ 500 psi on annulus, breakdown and attempt to balloff Point Lookout perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #5. Max. pressure is 4700 psi. Lower pkr to 4600' to knock off perf balls. TOH.

8. Install tree saver. Frac Point Lookout w/55,000 gals. of slick water and 90,000# 20/40 Arizona sand. Pump at 60 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 3500 psi and estimated treating pressure is 2500 psi. Treat per the following schedule:

| Stage | Water (Gals.) | Sand Vol. (lbs.) |
|---|---|---|
| Pad | 10,000 | --- |
| 1.0 ppg | 10,000 | 10,000 |
| 2.0 ppg | 25,000 | 50,000 |
| 3.0 ppg | 10,000 | 30,000 |
| Flush | (2,847) | 0 |
| Totals | 55,000 | 90,000# |

If well is on vaccum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

* 3/4 Gal - FR-30 (Friction Reducer)
* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
* 0.38# - Fracide 20 (Bacteriacide in full tank)

9. Shut well in for 4 hrs to let gel break. Rig down tree-saver and rig up wireline lubricator. Try to maintain a closed system (don't let any gas or fluid in or out of the csg).

**MENEFEE:**

10. Set ret BP @ 4300' on wireline and top w/1 sx sand. TIH w/4-1/2" pkr on 2-3/8" tbg to 4290' and pressure test ret BP @ 4300' to 3500 psi. Spot 200 gal 15% HCL acid across Menefee perfs at about ~4060'-~4286'. Use same acid additives as in step #5.

11. Using GSL log, perf Menefee w/about 30 holes @ 1 spf. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.

12. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1515 bbls.

13. TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 3800'. W/ 500 psi on annulus, breakdown and attempt to balloff Menefee perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #5. Max. pressure is 4700 psi. Lower pkr to 4390' to knock off perf balls. TOH.

14. Run 4-1/2" pkr on 2 jts 2-7/8" tbg w/shaved collars to protect wellhead. Frac Menefee w/55,000 gals. of slick water and 90,000# 20/40 Arizona sand. Pump at 60 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 3500 psi and estimated treating pressure is 2800 psi. Treat per the following schedule:

| Stage | Water (Gals.) | Sand Vol. (lbs.) |
|---|---|---|
| Pad | 10,000 | --- |
| 1.0 ppg | 10,000 | 10,000 |
| 2.0 ppg | 25,000 | 50,000 |
| 3.0 ppg | 10,000 | 30,000 |
| Flush | (2,545) | 0 |
| Totals | 55,000 | 90,000# |

If well is on vaccum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

* 3/4 Gal - FR-30 (Friction Reducer)
* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
* 0.38# - Fracide 20 (Bacteriacide in full tank)

15. Shut well in for 4 hrs to let gel break.

16. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. **Take pitot gauges when possible**. TOH w/pkr.

17. TIH w/retrieving tool on 2-3/8" tbg and C.O. (w/air/mist) to ret BP @ 4300' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.** When well is sufficiently clean, retrieve BP @ 4300'. TOH.

18. TIH w/3-7/8" bit on 2-3/8" tbg C.O. to BP @ 4700'. **Take pitot gauges when possible.**

19. When well is sufficiently clean drill BP @ 4700' and C.O. to PBTD 6633'.

20. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 4700'-3500' and perf eff log from 6610' to 4000'.

21. TIH and rabbit 2-3/8" 4.7# J-55 tbg w/standard seating nipple one joint off bottom and again cleanout to 6633'. When wellbore is sufficiently clean, land tbg @ 6500' KB. **Take final water and gas samples and rates.**

21. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended: 1/28/98
Production Engineer

Approved: 1/29/98
Drilling Superintendent

Approved: 1/28/98
Team Leader

VENDORS:

| | | |
|---|---|---|
| Wireline: | Blue Jet | 325-5584 |
| Fracturing: | Howco | 325-3575 |
| RA Tag: | Pro-Technics | 326-7133 |
| Isolation Tool | WSI | 327-3402 |

PMP

## Pertinent Data Sheet - MONTGOMERY #2 MV

A 17 30 11

**Location:** 800' FNL & 1100' FEL, Unit A Section 17 T30N, R11W, San Juan County, New Mexico

**Field:** Blanco Mesaverde **Elevation:** 5587' GL
13' KB

**TD:** 6653'
**PBTD:** 6633'

**Completion Date:** 5/17/85

**Spud Date:** 4/10/85

**Lease#:** FEE
**DK DP #:** 53971A
**MV DP#:** 34252A-3
**GWI:** 100%
**NRI:** 85.319%
**Prop#:**

**Initial Potential:**
DK: AOF=2392 MCF/D, Q=2211 MCF/D, SICP=1805 PSI

**Casing Record:**

| Hole Size | Csg Size | Wt. & Grade | Depth Set | Cement | Cement (Top) |
|---|---|---|---|---|---|
| 12-1/4" | 9-5/8" | 36# K-55 | 314' | 170 sx | N/A |
| 7-7/8" | 4-1/2" | 10.5&11.6# K-55 | 6653' | 320 cf | 5599'@75% Eff. |
| | | Stg Tool @ | 4751' | 609 cf | 2746'@75% Eff. |
| | | Stg Tool @ | 2178' | 1341 cf | Circ 20 bbl cmt |

**Tubing Record:**

| | | | | |
|---|---|---|---|---|
| 2-3/8" | 4.7# J-55 | | 6592' | 204 Jts |
| | | S.N. @ | 6558' | |

**Formation Tops:**

| | | | |
|---|---|---|---|
| Ojo Alamo: | 572' | | |
| Kirtland Shale: | 626' | Menefee | 3682' |
| Fruitland: | 1620 | Point Lookout | 4315' |
| Pictured Cliffs: | 1964' | Gallup | 5550' |
| | | Dakota | 6488' |

**Logging Record:** Induction Log, Density-Neutron Log, Cyberlook, Cased Hole GR.

**Stimulation:** Perfed DK w/1 spf @ 6417', 19', 21', 36', 40', 49', 53', 6500', 05', 11', 16', 34', 39', 44', 49', 54', 65', 80', 99', 6603' & fraced w/82,000# sand in slick water.

**Workover History:** None:

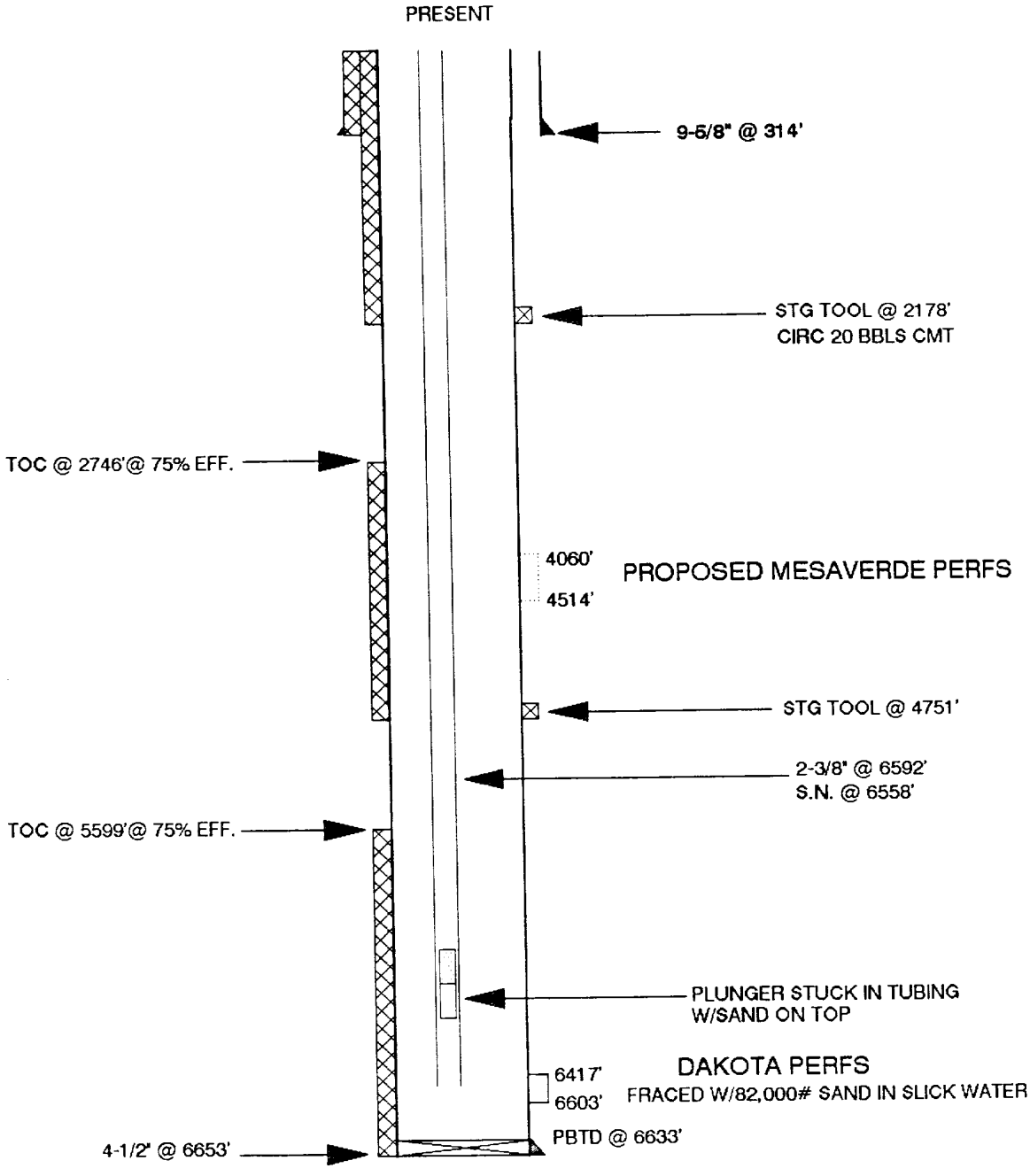
**Production History:** 1st delivered DK 7/23/85. DK cum = 566 MMCF & 10,531 BO. See attached DK production curve and map. The DK is not currently capable of production due to a stuck plunger with several feet fo sand on top of the plunger. The DK capacity is about 150 MCF/D.

**Pipeline:** EPNG

# MONTGOMERY #2 MV

UNIT A SECTION 17 T30N R11W

SAN JUAN COUNTY, NEW MEXICO



State of New Mexico
Energy, Minerals and Natural Resources Department
**Oil Conservation Division**

**Sundry Notices and Reports on Wells**

1. **Type of Well**
GAS

**API # (assigned by OCD)**
30-045-26224

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

7. **Lease Name/Unit Name**
~~Taylor Com~~ Montgomery

8. **Well No.**
~~2A~~ #2

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **Pool Name or Wildcat**
Blanco MV/Basin DK

4. **Location of Well, Footage, Sec., T, R, M**
800'FNL, 1100'FEL, Sec. 17, T-30-N, R-11-W, NMPM, San Juan County

10. **Elevation:** 5587 GR

| Type of Submission | Type of Action | |
|---|---|---|
| _X_ Notice of Intent | ___ Abandonment | ___ Change of Plans |
| | _X_ Recompletion | ___ New Construction |
| ___ Subsequent Report | _X_ Plugging Back | ___ Non-Routine Fracturing |
| | ___ Casing Repair | ___ Water Shut off |
| ___ Final Abandonment | ___ Altering Casing | ___ Conversion to Injection |
| | _X_ Other - Abandon Dakota | |

13. **Describe Proposed or Completed Operations**

It is intended to recomplete the subject well to the Mesaverde formation according to the attached procedure and wellbore diagram. The Dakota formation will be plugged and abandoned. The well name will be changed from Montgomery #2.

RECEIVED
NOV 24 1997
OIL CON. DIV.
DIST. 3

SIGNATURE Peggy Bradfield (PMPOpps) Regulatory Administrator November 20, 1997

**(This space for State Use)**

**Approved by** ORIGINAL SIGNED BY ERNIE BUSCH **Title** DEPUTY OIL & GAS INSPECTOR, DIST. #3 **Date** NOV 25 1997

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

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

Form
Revised February 2
Instructions c
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

☐ AMENDED RE

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| ¹API Number | ²Pool Code | ³Pool Name |
|---|---|---|
| 30-045-26224 | 72319/71599 | Blanco Mesaverde/Basin Dakota |

| ⁴Property Code | ⁵Property Name | ⁶Well Numb |
|---|---|---|
| 7321 | Taylor Com | 2A |

| ⁷OGRID No. | ⁸Operator Name | ⁹Elevation |
|---|---|---|
| 14538 | BURLINGTON RESOURCES OIL & GAS COMPANY | 5586' |

## ¹⁰ Surface Location

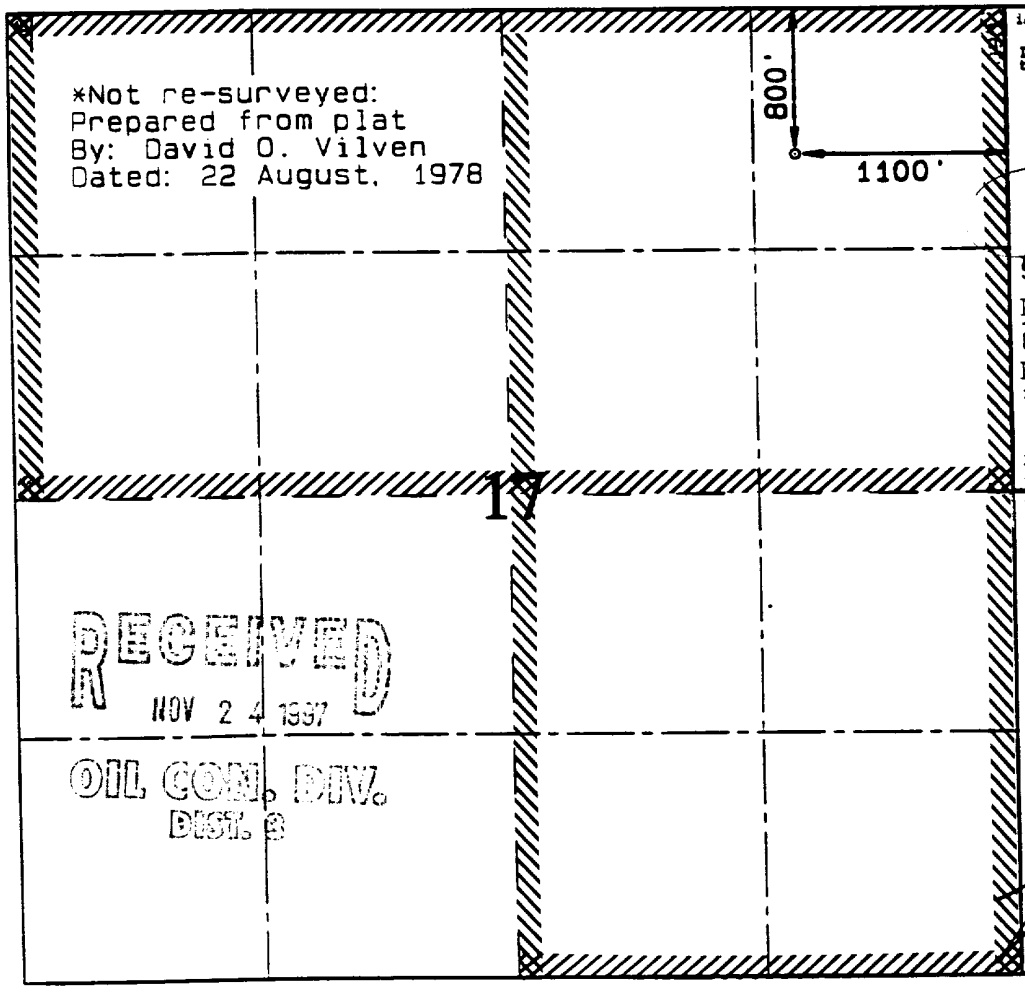
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | Co |
|---|---|---|---|---|---|---|---|---|---|
| A | 17 | 30N | 11W | | 800 | North | 1100' | East | SAN |

## 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 | Co |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| ¹² Dedicated Acres | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|---|---|---|---|
| MV-E/320<br>DK-N/320 | | | |

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 CERTIFICA

I hereby certify that the information contained true and complete to the best of my knowledge

Signature

Peggy Bradfield

Printed Name

Regulatory Administr

Title

11-20-97

Date

¹⁸ SURVEYOR CERTIFICA

I hereby certify that the well location shown o was plotted from field notes of actual surveys or under my supervision, and that the same is t correct to the best of my belief.

OCTOBER 29, 1997

Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857

Certificate Number

RECEIVED
NOV 24 1997
OIL CON. DIV.
DIST. 3

Taylor Com 2A

MONTGOMERY #2 MV
Recompletion Procedure
A 17 30 11
San Juan County, N.M.
Lat-Long: 36-49.03" - 107-00.49"

**PROJECT SUMMARY**: Plug DK and open MV to production.

1. Comply to all NMOCD, BLM, and ~~MOI~~ BR rules and regulations. MOL and RU completion rig. NU 7-1/16" 3000 psi BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.

2. Set blanking plug in S.N. of 2-3/8" tbg @ 6558' and pressure test to 3000 psi. TOH w/2-3/8" tbg. Run 4-1/2" csg scraper on 2-3/8" tbg to 6360'. TOH. Run 4-1/2" cmt retainer on 2-3/8" tbg and set @ 6360'. Sting out of cmt retainer and pressure test csg to 1000 psi. Sting back into retainer and pump 40 sx cl "G" cmt. This will fill DK perfs and 4-1/2" csg to 6360' w/100% excess cmt. Sting out of retainer and reverse out cmt.

3. PU to 5600' and spot 12 sx cl "G" cmt from 5600'-5500'. This will fill the csg 50' above and below the top of the Gallup w/50% excess cmt. PU 2 stds and reverse out cmt. Load hole w/1% KCL water. TOH.

4. MI wireline. Set drillable BP @ 4700'. Run CBL from 4700' to find TOC above stg tool @ 4751' and an advanced integrated data processed GSL neutron log 4700'-3500' and correlate to attached open hole log. If necessary, pressure csg to 1000 psi for CBL log. **Hot-shot** logs to Mike Pippin (326-9848) to determine location of MV perfs. Run 4-1/2" pkr on 2 jts 2-3/8" tbg and pressure test csg to 3500 psi. TOH.

**POINT LOOKOUT:**

5. TIH w/2-3/8" tbg open ended and spot 150 gal 15% HCL acid across Point Lookout perfs @ about ~4320'-4514'. TOH.

   All acid on this well to contain the following additives per 1000 gal:

| | | |
|---|---|---|
| 2 gal | CI-22 | corrosion inhibitor |
| 5 gal | Ferrotrol-300L | iron control |
| 1 gal | Flo-back 20 | Surfactant |
| 0.5 gal | Clay Master-5C | clay control |

6. Using GSL log, perf Point Lookout w/about 30 holes @ 1 spf @ about 4320' to 4514'. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.

7. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1496 bbls.

8. TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 4100'. W/ 500 psi on annulus, breakdown and attempt to balloff Point Lookout perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #5. Max. pressure is 4700 psi. Lower pkr to 4600' to knock off perf balls. TOH.

9. Install tree saver. Frac Point Lookout w/55,000 gals. of slick water and 90,000# 20/40 Arizona sand. Pump at 60 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 3500 psi and estimated treating pressure is 2500 psi. Treat per the following schedule:

| Stage | Water (Gals.) | Sand Vol. (lbs.) |
|---|---|---|
| Pad | 10,000 | --- |
| 1.0 ppg | 10,000 | 10,000 |
| 2.0 ppg | 25,000 | 50,000 |
| 3.0 ppg | 10,000 | 30,000 |
| Flush | (2,847) | 0 |
| Totals | 55,000 | 90,000# |

If well is on vaccum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

* 3/4 Gal - FR-30 (Friction Reducer)
* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
* 0.38# - Fracide 20 (Bacteriacide in full tank)

10. Shut well in for 4 hrs to let gel break. Rig down tree-saver and rig up wireline lubricator. Try to maintain a closed system (don't let any gas or fluid in or out of the csg).

**MENEFEE:**

11. Set ret BP @ 4300' on wireline and top w/1 sx sand. TIH w/4-1/2" pkr on 2-3/8" tbg to 4290' and pressure test ret BP @ 4300' to 3500 psi. Spot 200 gal 15% HCL acid across Menefee perfs at about ~4060'-~4286'. Use same acid additives as in step #5.

12. Using GSL log, perf Menefee w/about 30 holes @ 1 spf. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.

13. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1515 bbls.

14. TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 3800'. W/ 500 psi on annulus, breakdown and attempt to balloff Menefee perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #5. Max. pressure is 4700 psi. Lower pkr to 4390' to knock off perf balls. TOH.

15. Run 4-1/2" pkr on 2 jts 2-7/8" tbg w/shaved collars to protect wellhead. Frac Menefee w/55,000 gals. of slick water and 90,000# 20/40 Arizona sand. Pump at 60 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 3500 psi and estimated treating pressure is 2800 psi. Treat per the following schedule:

| Stage | Water (Gals.) | Sand Vol. (lbs.) |
|---|---|---|
| Pad | 10,000 | --- |
| 1.0 ppg | 10,000 | 10,000 |
| 2.0 ppg | 25,000 | 50,000 |
| 3.0 ppg | 10,000 | 30,000 |
| Flush | (2,545) | 0 |
| Totals | 55,000 | 90,000# |

If well is on vaccum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

* 3/4 Gal - FR-30 (Friction Reducer)
* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
* 0.38# - Fracide 20 (Bacteriacide in full tank)

16. Shut well in for 4 hrs to let gel break.

17. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. **Take pitot gauges when possible**. TOH w/pkr.

18. TIH w/retrieving tool on 2-3/8" tbg and C.O. (w/air/mist) to ret BP @ 4300' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.** When well is sufficiently clean, retrieve BP @ 4300'. TOH.

19. TIH w/3-7/8" bit on 2-3/8" tbg C.O. to PBTD 4700'. **Take pitot gauges when possible.**

20. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log and perf eff log from 4700'-3500'.

21. TIH and rabbit 2-3/8" 4.7# J-55 tbg w/standard seating nipple one joint off bottom and again cleanout to 4700'. When wellbore is sufficiently clean, land tbg @ 4400' KB. **Take final water and gas samples and rates.**

22. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended: _____
Production Engineer

Approved: _____ 10/22/97
Drilling Superintendent

Approved: _____ for _____
Team Leader 20 OCT 1997

VENDORS:

| | | |
|---|---|---|
| Wireline: | Blue Jet | 325-5584 |
| Fracturing: | BJ | 327-6222 |
| RA Tag: | Pro-Technics | 326-7133 |
| Isolation Tool | WSI | 327-3402 |

PMP

**Pertinent Data Sheet - MONTGOMERY #2 MV**
A 17 30 11

**Location:** 800' FNL & 1100' FEL, Unit A Section 17 T30N, R11W, San Juan County, New Mexico

**Field:** Blanco Mesaverde **Elevation:** 5587' GL
13' KB

**TD:** 6653'
**PBTD:** 6633'

**Completion Date**: 5/17/85

**Spud Date:** 4/10/85

**Lease#:** FEE
**DK DP #:** 53971A
**MV DP#:** 34252A-3
**GWI:** 99.03%
**NRI:** 85.319%
**Prop#:**

**Initial Potential**:
DK: AOF=2392 MCF/D, Q=2211 MCF/D, SICP=1805 PSI

**Casing Record:**

| Hole Size | Csg Size | Wt. & Grade | Depth Set | Cement | Cement (Top) |
|---|---|---|---|---|---|
| 12-1/4" | 9-5/8" | 36# K-55 | 314' | 170 sx | N/A |
| 7-7/8" | 4-1/2" | 10.5&11.6# K-55 | 6653' | 320 cf | 5599'@75% Eff. |
| | | Stg Tool @ | 4751' | 609 cf | 2746'@75% Eff. |
| | | Stg Tool @ | 2178' | 1341 cf | Circ 20 bbl cmt |

**Tubing Record:**

| | | | | |
|---|---|---|---|---|
| 2-3/8" | 4.7# J-55 | | 6592' | 204 Jts |
| | | S.N. @ | 6558' | |

**Formation Tops:**

| | | | |
|---|---|---|---|
| Ojo Alamo: | 572' | | |
| Kirtland Shale: | 626' | Menefee | 3682' |
| Fruitland: | 1620 | Point Lookout | 4315' |
| Pictured Cliffs: | 1964' | Gallup | 5550' |
| | | Dakota | 6488' |

**Logging Record:** Induction Log, Density-Neutron Log, Cyberlook, Cased Hole GR.

**Stimulation:** Perfed DK w/1 spf @ 6417', 19', 21', 36', 40', 49', 53', 6500', 05', 11', 16', 34', 39', 44', 49', 54', 65', 80', 99', 6603' & fraced w/82,000# sand in slick water.

**Workover History:** None:

**Production History:** 1st delivered DK 7/23/85. DK cum = 566 MMCF & 10,531 BO. See attached DK production curve and map. The DK is not currently capable of production.

**Pipeline:** EPNG

# MONTGOMERY #2 MV

UNIT A SECTION 17 T30N R11W

SAN JUAN COUNTY, NEW MEXICO