

DHC 1365 9/11/96

# BURLINGTON RESOURCES

SAN JUAN DIVISION

RECEIVED

AUG 21 1996

Oil Conservation Division

August 20, 1996

Mr. William LeMay  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Re: Decker #2  
1090'FNL, 850'FEL Section 26, T-32-N, R-12-W, San Juan County, NM  
API #30-045-12049

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well. This is currently a Mesa Verde/Dakota dual well.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curves for the Mesa Verde and Dakota for at least one year;
4. Notification list of offset operators;
5. Shut in wellhead pressure and calculated down hole pressure;
6. Nine-section plats for the Mesa Verde and Dakota.

The ownership for both the Mesa Verde and Dakota are common in this well. No notification to interest owners is required.

The allocation formula will be based off actual flow rates from the Mesa Verde and Dakota formations.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

encs.

xc: Bureau of Land Management

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

X YES NO

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

Decker

2

E-26-32N-12W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18512 API NO. 30-045-12049 Federal X State (and/or) Fee X

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

- 9. If allocation formula is based upon something other than current or past production...
10. Are all working, overriding, and royalty interests identical in all commingled zones?
11. Will cross-flow occur?
12. Are all produced fluids from all commingled zones compatible with each other?
13. Will the value of production be decreased by commingling?
14. If this well is on, or communitized with, state or federal lands...
15. NMOCD Reference Cases for Rule 303(D) Exceptions:
16. ATTACHMENTS:

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

SIGNATURE [Signature] TITLE\_RegulatoryAdministrator DATE 8-2-96

TYPE OR PRINT NAME\_Peggy Bradfield 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

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

Form C-102  
 Revised February 21, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-12049		Pool Code 72319/71599		Pool Name Blanco Mesaverde/Basin Dakota	
Property Code 18512		Property Name Decker			Well Number 2
OGRID No. 14538		Operator Name MERIDIAN OIL INC.			Elevation 6603'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
A	26	32 N	12 W		1090	North	850	East	S.J.

11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres E/320 E/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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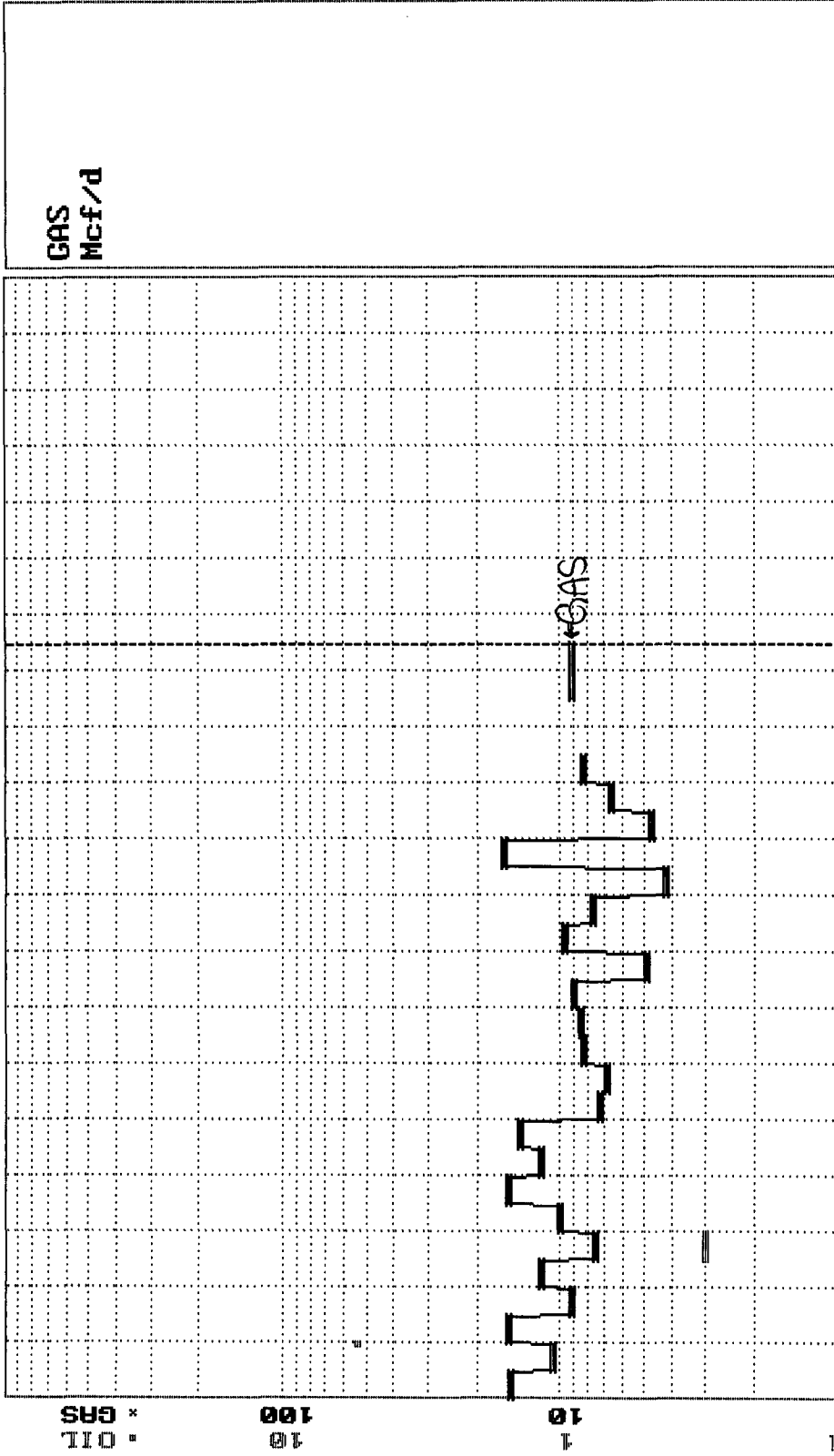
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 Not resurveyed, prepared from a plat by Russell H. McNeace dated 12-23-54.  26		17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
		Signature Peggy Bradfield Printed Name Regulatory Administrator Title  Date
		18 SURVEYOR CERTIFICATION <i>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.</i> 8-6-96
		Date of Survey Signature and Seal of Surveyor:  Certificate Number

DAKOTA

DECKER I 2 I 12133-1

Prop: 237



72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 Major=GAS

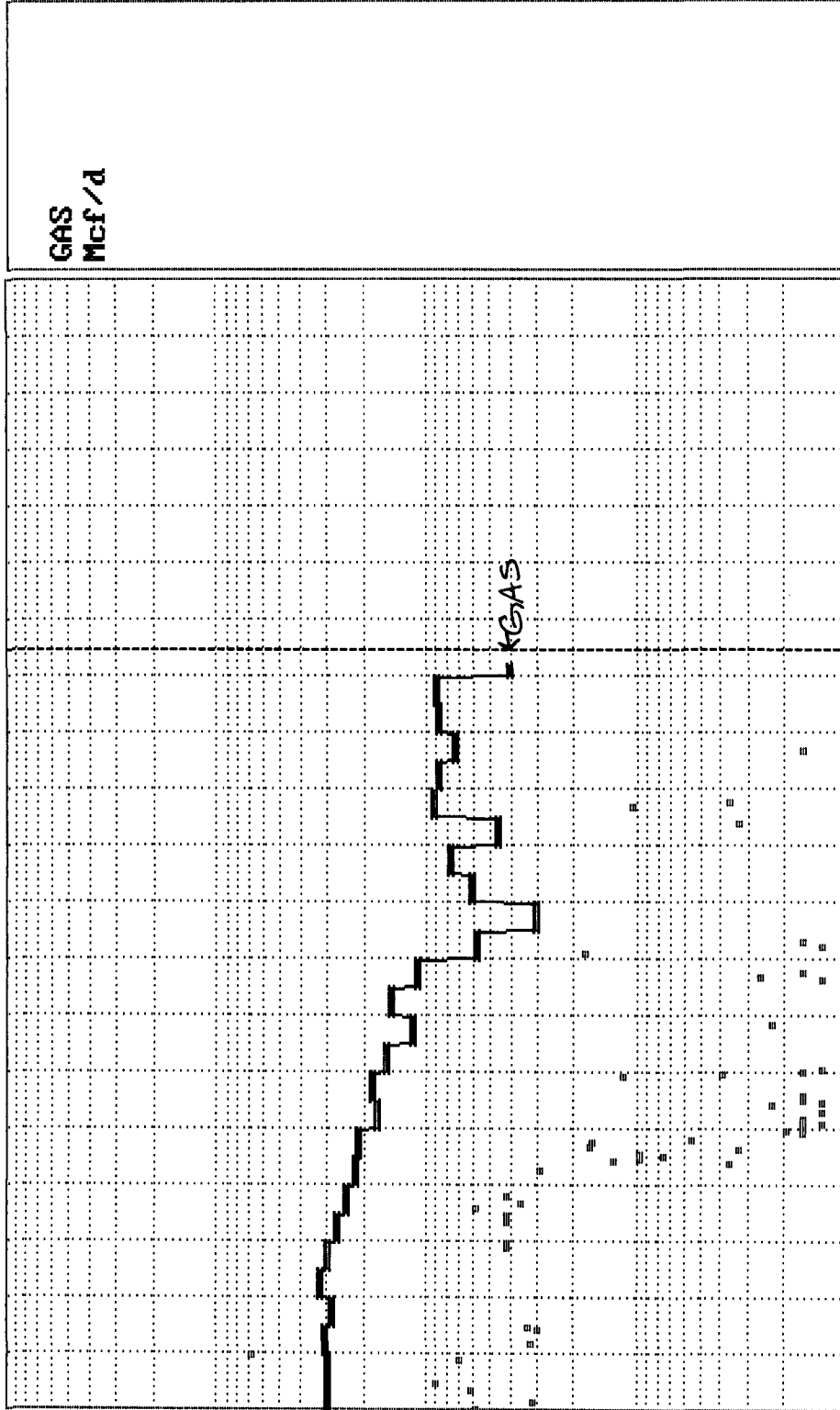
MESAVERDE

DECKER I 2 | 12132-1

Prop: 168

GAS  
Mcf/d

1000  
100  
10  
1  
\* OIL  
\* GAS



72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 Major=GAS

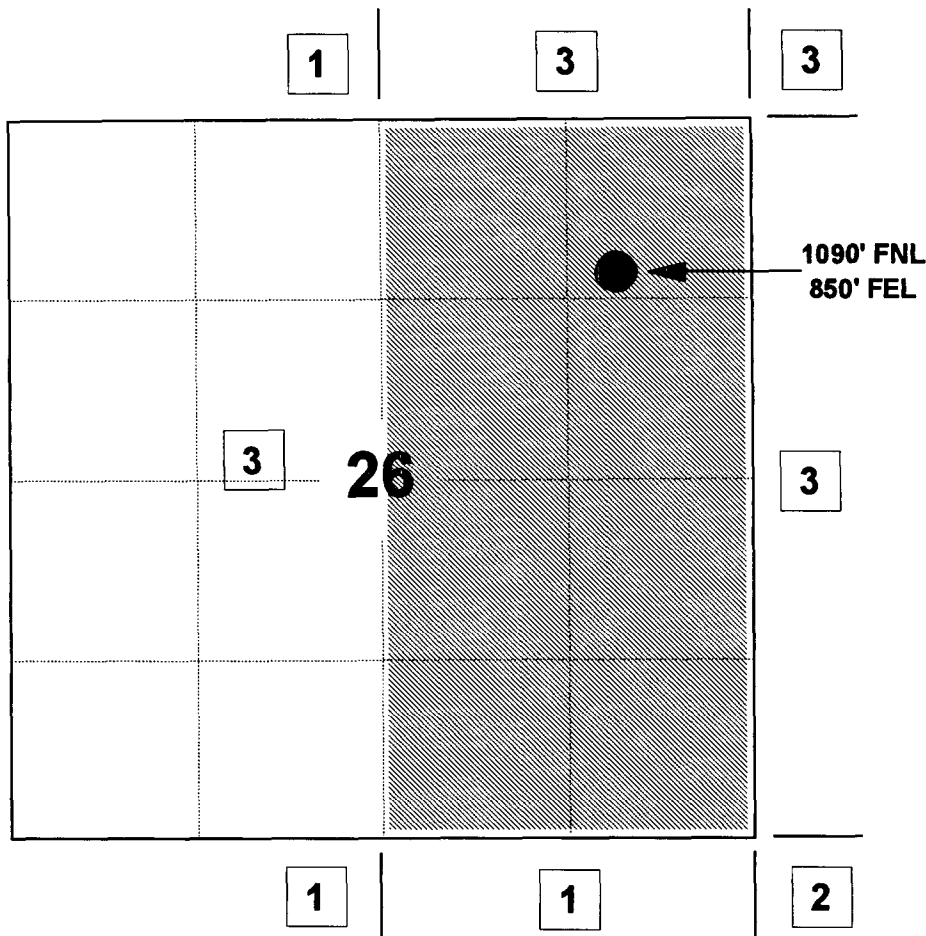
# MERIDIAN OIL INC

## DECKER #2

### OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 32 North, Range 12 West



1) Meridian Oil Inc.

2) Conoco, Inc.

10 Desta Drive, Suite 100W, Midland, TX 79705-4500

3) Amoco Production Company

PO Box 800, Denver, CO 80201

Mesaverde Formation

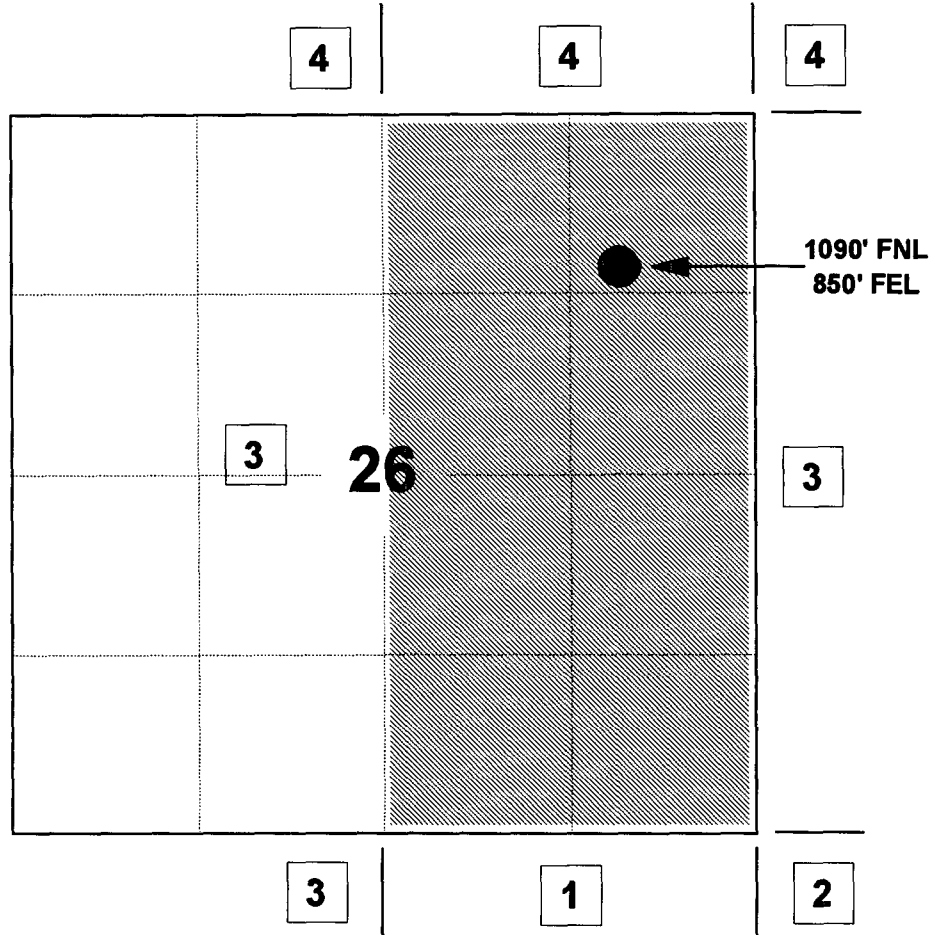
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10 Desta Drive, Suite 100W, Midland, TX 79705-4500

3) Amoco Production Company

PO Box 800, Denver, CO 80201

4) No Dakota Wells

Dakota Formation

**FLOWING AND STATIC BHP  
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.673</u>
COND. OR MISC. (C/M)	<u>c</u>
%N2	<u>0.27</u>
%CO2	<u>0.4</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.5</u>
DEPTH (FT)	<u>7744</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>200</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>853</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1029.8</u>

DECKER #2 DAKOTA - (CURRENT)



**FLOWING AND STATIC BHP  
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.67</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.27</u>
%CO2	<u>0.4</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.5</u>
DEPTH (FT)	<u>7744</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>200</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1823</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>2239.1</u>

DECKER #2 DAKOTA - (ORIGINAL)

**FLOWING AND STATIC BHP  
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.69</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.26</u>
%CO2	<u>0.99</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.5</u>
DEPTH (FT)	<u>5483</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>536</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>615.2</u>

DECKER #2 MESAVERDE - (CURRENT)

**FLOWING AND STATIC BHP  
CULLENDER AND SMITH METHOD**

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.69</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.26</u>
%CO2	<u>0.99</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.5</u>
DEPTH (FT)	<u>5483</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1045</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1214.5</u>

DECKER #2 MESAVERDE - (ORIGINAL)

DECKER #2 & #3  
SECTION 23, 26, T32N, R12W  
BLANCO MESAVERDE

<p>6/78 52-678 0-2 1807-5 3A 3 6/6 39-842 0-0 3036-0 15</p> <p>5/69 15-1446 0-3 2109-3.8 4 M Hubbard</p>	<p>5/78 51-894 0-2.5 2223-6 1A Chamberlin 14</p> <p>1 6/50 7-1423 0-0 1483-0 Decker (P.M) S/2</p>	<p>8/51 144-885 0-1 3979-1.5 1 3A 4/79 195-143 0-2 Horton 13 AMOCO</p> <p>4/78 95-1177 0-3 1912.5 1A 3 3/55 261-893 0-0 Moore Ls.</p>	<p>(KIMBARK O&amp;G) 9/54 186-2026 3 0-0 3A 8/79 235-1797 0.5-4</p>
<p>1/78 304-2685 0-9 6937-22 5A 22</p> <p>9/51 125-812 0-4 3089-10 5 Cripepper Martin (MD)</p>	<p>2/50 1 60-2400 0-7 3036-9 1 3A Hubbard (M) E/2</p>	<p>12/77 MOI 141-1354 0-4 2446-9 3A 6/55 97-5661 0-18.5 7200-23 3 23 Decker (M) W/2</p>	<p>AMOCO 4/55 24A1980 CUM 1150 4 AMOCO 8/79 147-1632 0-4 5A P 24 2/55 239-2294 0-2 5 Moore Ls. (P.M) W/2</p>
<p>KIMBARK O&amp;G 4A 7/78 5-634 0-0 27</p> <p>11/53 60-2282 0-0 4 Horton</p>	<p>AMOCO 1 2/55 CUM 1560 IA 8/79 202-1449 0-5 Moore Ls. (M) E/2</p>	<p>AMOCO 7/78 130-1321 0-4.5 2A 2 2/55 21-3251 0-7 Moore Ls. (M) W/2</p>	<p>AMOCO SUBJECT WELL 2 M 5/55 92-2709 0-6 3463-6.5 2A P 2/79 342-2220 0-7 3805-11.5 Decker (P.M) E/2</p>
<p>8/79 AMOCO 305-2446 1-10.5 2B 34 2/55 48-1763 0.5-4.5 2 Newberry Ls. (P.M) ALL</p>	<p>12/77 219-2051 0-10 3459-14 IA 7/53 135-3772 0-22 5911-36 1 Hillsborn (P.M) W/2</p>	<p>6/53 48-1770 0-2.5 2201-3 1 35 4/78 350-2116 0-8 2893-9 1A Moore (ALL) E/2</p>	<p>CONOCO 15A F P 5/78 CUM 662 State Con. S' (FPM) W/2 36 8/53 140-1902 1-5.5 FX State Con. F' (MIS) 2 10/53 16-1162 0-0.5 15 10/78 24-783 0-25 1A</p>

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