

DATE IN 12/1/99	SUSPENSE 12/21/99	ENGINEER DC	LOGGED M	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -

9549

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

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] and [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

DEC - 1 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 - Statement of Understanding

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, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole

Print or Type Name

Signature

Regulatory/Compliance Administrator

Title

Date

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
DISTRICT II  
811 South First St., Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410  
DISTRICT IV  
2040 S. Pacheco, Santa Fe, NM 87505

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  
Revised August 1999

APPROVAL PROCESS:

\_\_\_ Administrative \_\_\_ Hearing

EXISTING WELLBORE

\_\_\_X\_\_\_ YES \_\_\_ NO

APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

EPNG COM I

10

F 32-31N-08W

SAN JUAN

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6982 API NO. 30-045-21304 Federal \_\_\_ , State \_\_\_X\_\_\_ (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 MESAVERDE - 72319		BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	WILL BE SUPPLIED UPON COMPLETION		WILL BE SUPPLIED UPON COMPLETION
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 235 psi (see attachment) b. (Original) 1250 psi (see attachment)	a. (Current)  b. (Original)  	a. (Current) 841 psi (see attachment) b. (Original) 2563 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1139		BTU 1073
7. Producing or Shut-In?	SHUT-IN		SHUT-IN
Production Marginal? (yes or no)	NO		YES
* If Shut-In, give date and oil/gas/water rates of last production	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)			
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION

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  
If not, have all working, overriding, and royalty interests been notified by certified mail? \_\_\_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 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 E. Corrigan*

TITLE PRODUCTION ENGINEER

DATE:

11/29/99

TYPE OR PRINT NAME SEAN E. CORRIGAN

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

1 API Number 30-039-21304		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 6982		5 Property Name EPNG Com I			6 Well Number 10
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 6486' GR

10 Surface Location

UL or lot no. F	Section 32	Township 31N	Range 8W	Lot Idn	Feet from the 1464	North/South line North	Feet from the 1560	East/West line West	County S.I
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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
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12 Dedicated Acres W/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

<div>16</div> <div>1560'</div> <div>1464'</div> <div>Original plat from David O. Vilven 6-14-73</div>					<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div>Signature Peggy Cole</div> <div>Printed Name Regulatory Administrator</div> <div>Title</div> <div>Date</div>
					<div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyer:</div>
					Certificate Number

**BURLINGTON**  
**RESOURCES**

SAN JUAN DIVISION  
3535 East 30th Street: (87402-8801)  
P.O. BOX 4289  
Farmington, New Mexico 87499-4289

**BURLINGTON**  
**RESOURCES**

SAN JUAN DIVISION  
3535 East 30th Street: (87402-8801)  
P.O. BOX 4289  
Farmington, New Mexico 87499-4289

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Conoco, Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705

x

Amoco  
PO Box 841521  
Dallas, TX 75284-1521

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**BURLINGTON**  
**RESOURCES**

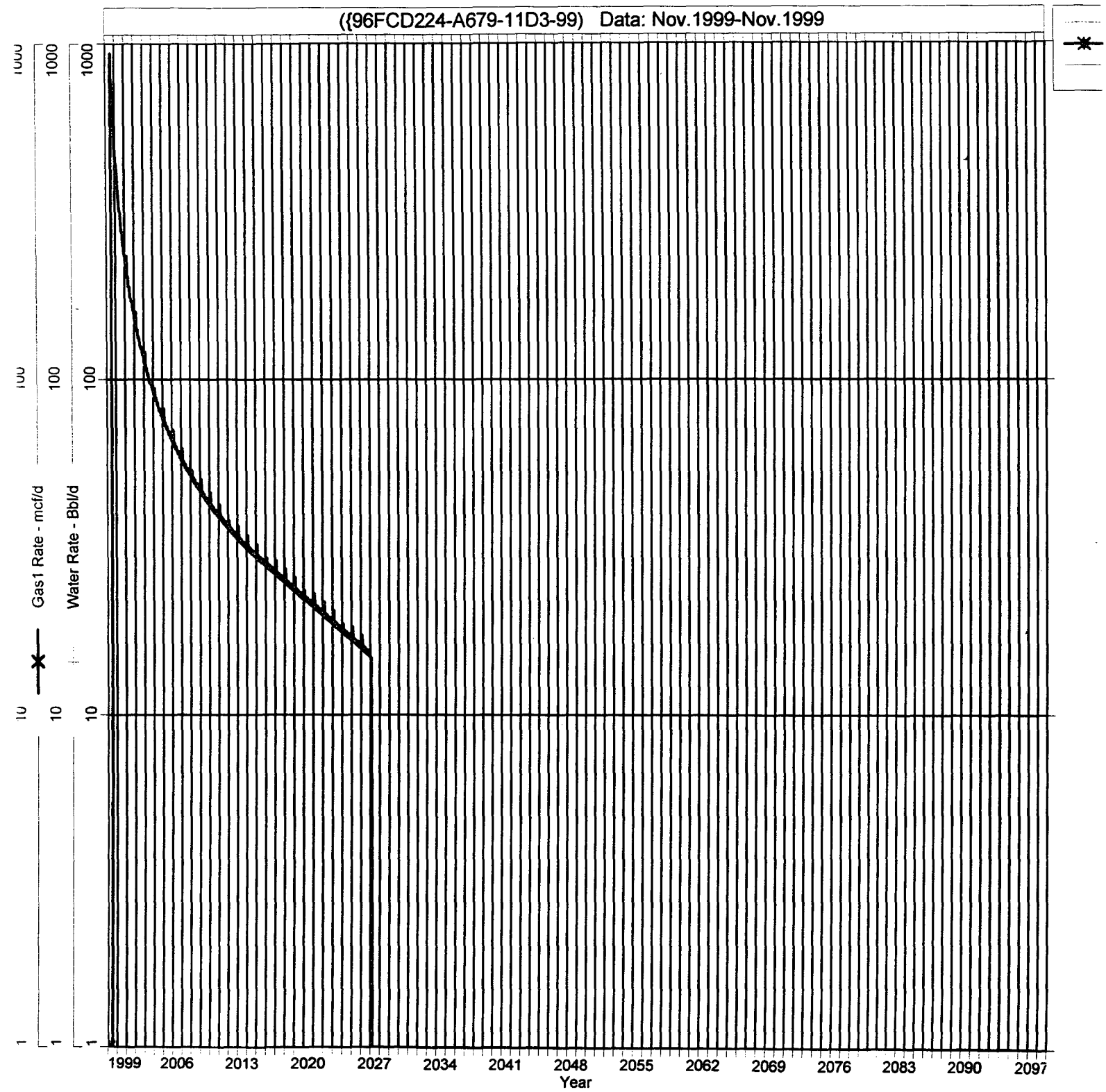
SAN JUAN DIVISION  
3535 East 30th Street: (87402-8801)  
P.O. BOX 4289  
Farmington, New Mexico 87499-4289

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x

EPNG Com I #10  
Expected Production  
Mesaverde Formation

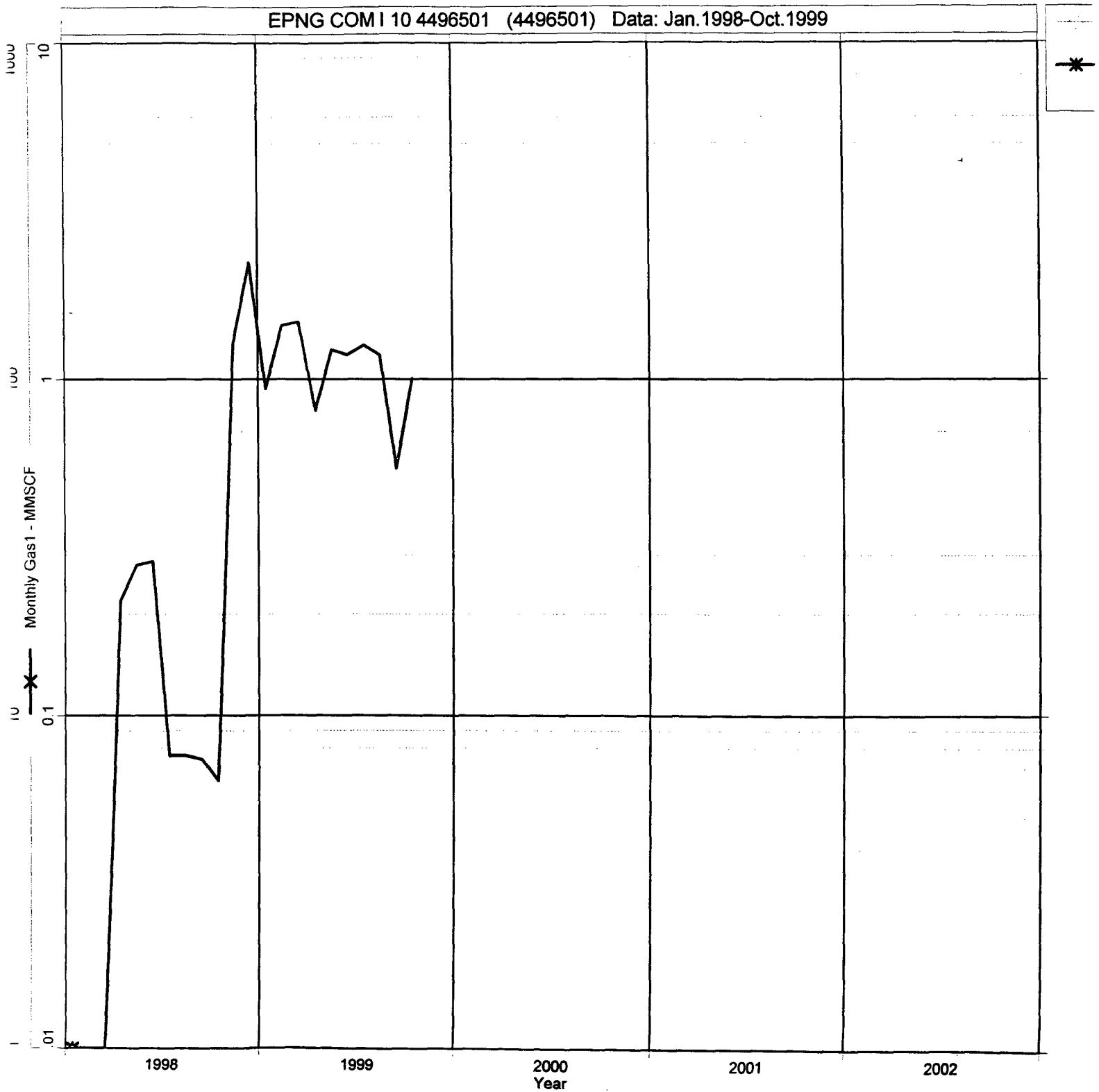
(96FCD224-A679-11D3-99) Data: Nov.1999-Nov.1999



# EPNG Com I #10

Actual Production

Dakota Formation



**EPNG Com I #10**  
 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	<u>0.657</u>	GAS GRAVITY	<u>0.602</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.14</u>	%N2	<u>0.29</u>
%CO2	<u>1.28</u>	%CO2	<u>1.79</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>	DIAMETER (IN)	<u>1.5</u>
DEPTH (FT)	<u>5951</u>	DEPTH (FT)	<u>7937</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>205</u>	SURFACE PRESSURE (PSIA)	<u>712</u>
BOTTOMHOLE PRESSURE (PSIA)	<div>BOTTOMHOLE PRESSURE (PSIA)234.8</div>	BOTTOMHOLE PRESSURE (PSIA)	<div>BOTTOMHOLE PRESSURE (PSIA)840.6</div>
<b><u>MV-Original</u></b>		<b><u>DK-Original</u></b>	
GAS GRAVITY	<u>0.657</u>	GAS GRAVITY	<u>0.602</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.14</u>	%N2	<u>0.29</u>
%CO2	<u>1.28</u>	%CO2	<u>1.79</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>	DIAMETER (IN)	<u>1.5</u>
DEPTH (FT)	<u>5951</u>	DEPTH (FT)	<u>7937</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1070</u>	SURFACE PRESSURE (PSIA)	<u>2138</u>
BOTTOMHOLE PRESSURE (PSIA)	<div>BOTTOMHOLE PRESSURE (PSIA)1250.4</div>	BOTTOMHOLE PRESSURE (PSIA)	<div>BOTTOMHOLE PRESSURE (PSIA)2563.3</div>

## EPNG Com I #10

### Mesaverde Offset

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
EPNG COM A 2	07/16/53	1,070
EPNG COM A 2	03/03/54	969
EPNG COM A 2	09/08/54	957
EPNG COM A 2	06/24/55	1,034
EPNG COM A 2	07/24/56	1,054
EPNG COM A 2	05/24/57	1,058
EPNG COM A 2	06/22/58	1,294
EPNG COM A 2	07/29/59	1,064
EPNG COM A 2	04/14/60	1,059
EPNG COM A 2	04/13/61	1,053
EPNG COM A 2	12/22/61	886
EPNG COM A 2	09/10/62	874
EPNG COM A 2	03/21/63	877
EPNG COM A 2	03/23/64	866
EPNG COM A 2	03/26/65	877
EPNG COM A 2	02/17/66	835
EPNG COM A 2	03/13/67	832
EPNG COM A 2	10/06/67	769
EPNG COM A 2	01/10/68	779
EPNG COM A 2	05/20/69	656
EPNG COM A 2	09/28/70	614
EPNG COM A 2	07/21/71	601
EPNG COM A 2	07/31/72	538
EPNG COM A 2	09/04/73	498
EPNG COM A 2	04/24/74	481
EPNG COM A 2	08/11/76	413
EPNG COM A 2	05/25/78	381
EPNG COM A 2	05/02/80	364
EPNG COM A 2	05/11/82	373
EPNG COM A 2	07/09/84	409
EPNG COM A 2	07/17/86	407
EPNG COM A 2	09/15/89	310
EPNG COM A 2	04/18/91	231
EPNG COM A 2	07/29/91	243
EPNG COM A 2	05/03/93	205



## EPNG Com I #10

Dakota Offset

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
STATE COM AL 36	08/10/67	2,138
STATE COM AL 36	08/28/67	2,125
STATE COM AL 36	01/02/68	1,660
STATE COM AL 36	08/05/68	1,267
STATE COM AL 36	05/20/69	989
STATE COM AL 36	04/13/70	974
STATE COM AL 36	05/10/71	891
STATE COM AL 36	07/31/72	693
STATE COM AL 36	09/04/73	614
STATE COM AL 36	04/03/75	619
STATE COM AL 36	06/27/77	533
STATE COM AL 36	06/25/79	575
STATE COM AL 36	05/17/81	712

# EPNG Com I #10

Mesaverde / Dakota

31N - 8W - 32C

