

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

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

2550

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]

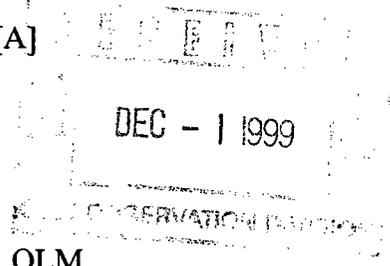
[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Directional Drilling
NSL NSP DD SD

Check One Only for [B] and [C]

- [B] Commingling - Storage - Measurement
X DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
WFX PMX SWD IPI EOR PPR



[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] X 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

Regulatory/Compliance Administrator

Print or Type Name

Signature

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

YES NO

APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

GRAMBLING C

13

M 14-30N-10W

SAN JUAN

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7056 API NO. 30-045-26599 Federal State (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	BLANCO 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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 489 psi (see attachment)	a. (Current)	a. (Current) 672 psi (see attachment)
	b. (Original) 1251 psi (see attachment)	b. (Original)	b. (Original) 2514 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1227		BTU 1024
7. Producing or Shut-In?	SHUT-IN		SHUT-IN
Production Marginal? (yes or no) * If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	NO		YES
	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
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 No
If not, have all working, overriding, and royalty interests been notified by certified mail? Yes No

11. Will cross-flow occur? Yes No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. Yes No (If No, attach explanation)

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

13. Will the value of production be decreased by commingling? Yes No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. Yes No

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

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of 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 Wayne Fletcher TITLE PRODUCTION ENGINEER DATE: 11/29/99

TYPE OR PRINT NAME B. WAYNE FLETCHER

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-102
 Revised February 21, 1994
 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 30-045-26599		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 7056		5 Property Name Grambling C			6 Well Number 13
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 6449' GR

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
M	14	30N	10W		1155	South	790	West	SJ

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

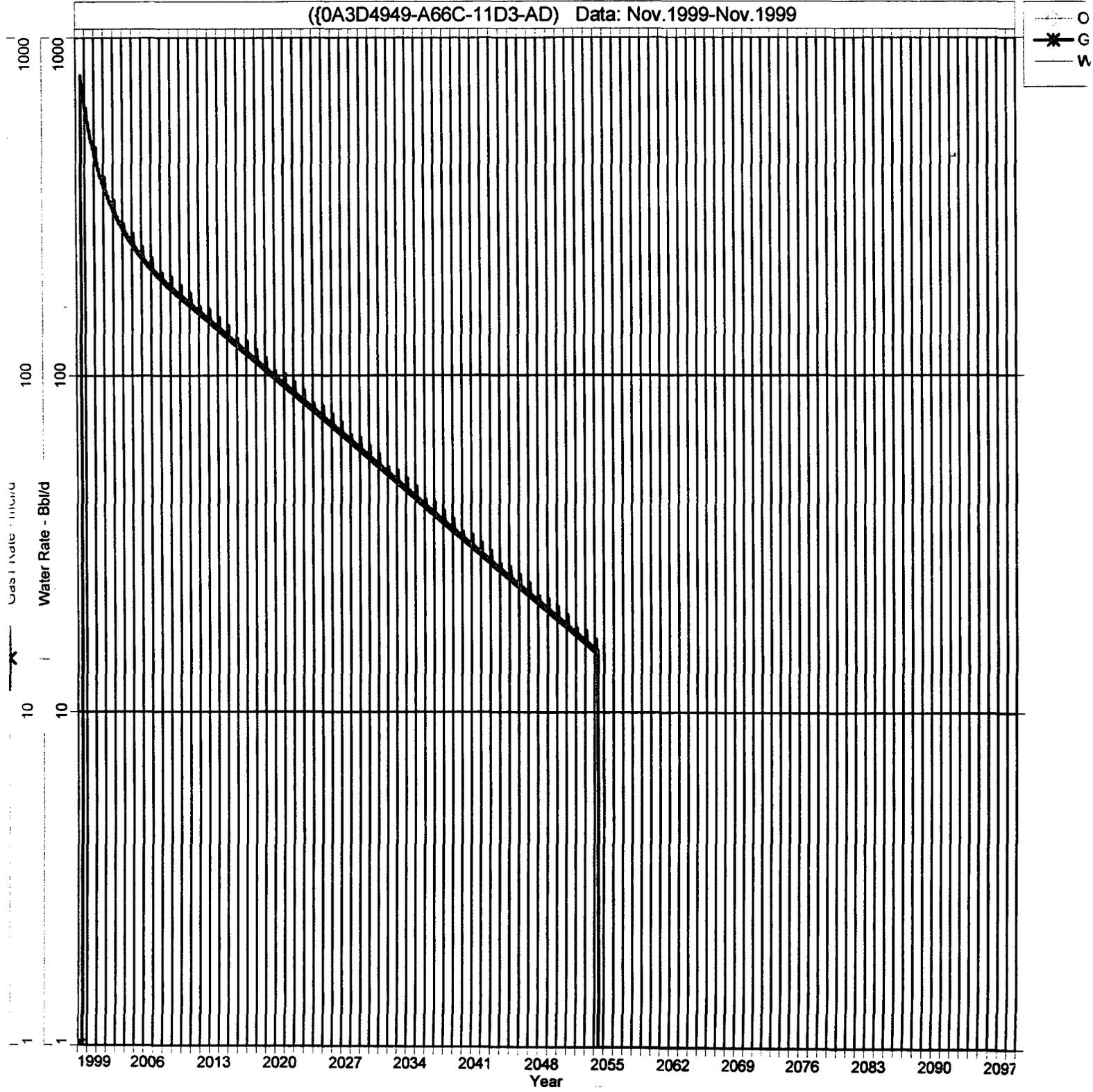
12 Dedicated Acres MV-W/308.60 DK-S/310.18	13 Joint or Infill 60 18	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	Original plat from Fred B. Kerr Jr. 10-18-81			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 Cole			
	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>	Date of Survey			
	Signature and Seal of Professional Surveyer:			
	Certificate Number			
	11537			

Grambling C #13
Expected Production
Mesaverde Formation

{0A3D4949-A66C-11D3-AD} Data: Nov.1999-Nov.1999



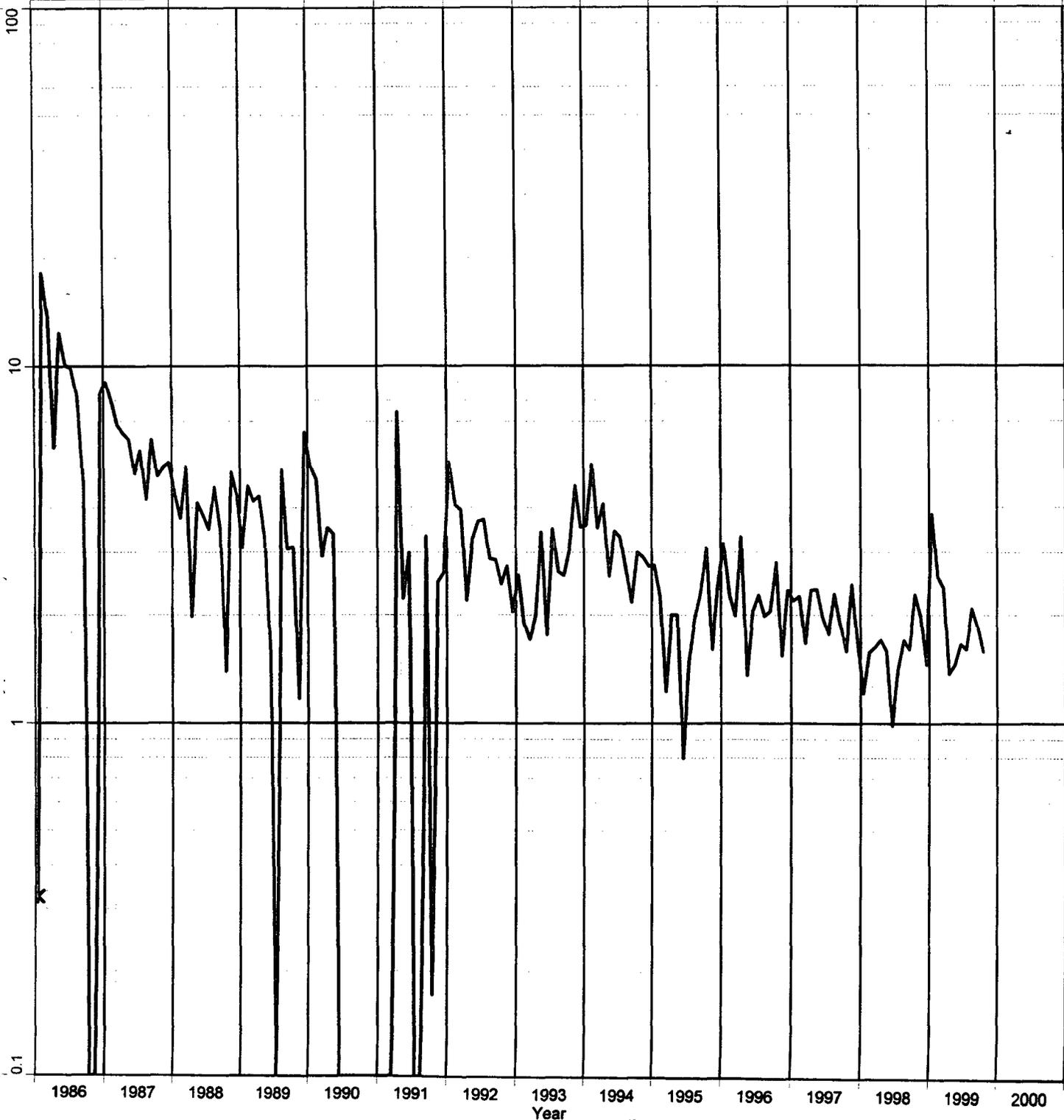
Grambling C #13

Actual Production

Dakota Formation

GRAMBLING C 13 5444601 (248325772474.637) Data: Dec.1985-Oct.1999

Mo:  Mo: 



Grambling C #13
 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	<u>0.707</u>	GAS GRAVITY	<u>0.604</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.26</u>	%N2	<u>0.31</u>
%CO2	<u>0.85</u>	%CO2	<u>2.48</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>	DIAMETER (IN)	<u>1.5</u>
DEPTH (FT)	<u>5788</u>	DEPTH (FT)	<u>7628</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>421</u>	SURFACE PRESSURE (PSIA)	<u>574</u>
BOTTOMHOLE PRESSURE (PSIA)	<input type="text" value="488.5"/>	BOTTOMHOLE PRESSURE (PSIA)	<input type="text" value="671.9"/>
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	<u>0.707</u>	GAS GRAVITY	<u>0.604</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.26</u>	%N2	<u>0.31</u>
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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>1058</u>	SURFACE PRESSURE (PSIA)	<u>2111</u>
BOTTOMHOLE PRESSURE (PSIA)	<input type="text" value="1250.8"/>	BOTTOMHOLE PRESSURE (PSIA)	<input type="text" value="2513.7"/>

Grambling C #13
Mesaverde Offset

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
GRAMBLING C 2R	10/30/52	1,058
GRAMBLING C 2R	04/22/70	626
GRAMBLING C 2R	05/27/71	599
GRAMBLING C 2R	06/14/72	510
GRAMBLING C 2R	08/20/73	474
GRAMBLING C 2R	06/13/74	447
GRAMBLING C 2R	04/24/78	414
GRAMBLING C 2R	05/07/80	481
GRAMBLING C 2R	05/10/82	502
GRAMBLING C 2R	07/17/84	522
GRAMBLING C 2R	04/01/86	531
GRAMBLING C 2R	11/25/89	464
GRAMBLING C 2R	06/17/91	449
GRAMBLING C 2R	01/03/94	421

Grambling C #13

Existing Dakota

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
GRAMBLING C 13	12/02/85	2,111
GRAMBLING C 13	03/17/86	1,217
GRAMBLING C 13	09/01/87	522
GRAMBLING C 13	03/03/88	873
GRAMBLING C 13	04/09/90	712
GRAMBLING C 13	04/26/92	574

