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 — Operator
PO BOX 4289, FARMINGTON, NM 87499 — Address

GRENIER — Lease | 13E — Well No. | F 20-31N-11W — Unit Ltr. - Sec - Twp - Rge | SAN JUAN — County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO._____14538_____ Property Code_____18530_____ API NO._30-045-25332_____ 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	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) 506 psi (see attachment)	a. (Current)	a. (Current) 800 psi (see attachment)
	b. (Oriiginal) 1095 psi (see attachment)	b. (Oriiginal)	b. (Oriiginal) 2384 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1224		BTU 1156
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 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 andoil/gas/ water rates of recent test (within 60 days)	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

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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 ___ 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 Dan Voecks TITLE PRODUCTION ENGINEER DATE: 11/30/99

TYPE OR PRINT NAME DAN T. VOECKS TELEPHONE NO. 505-326-9700

ch3e

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	[2] Pool Code	[3] Pool Name
30-045-25332	72319/71599	Blanco Mesaverde/Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
18530	Grenier	13E

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	Burlington Resources Oil & Gas Company	6104' GR

[10] Surface Location

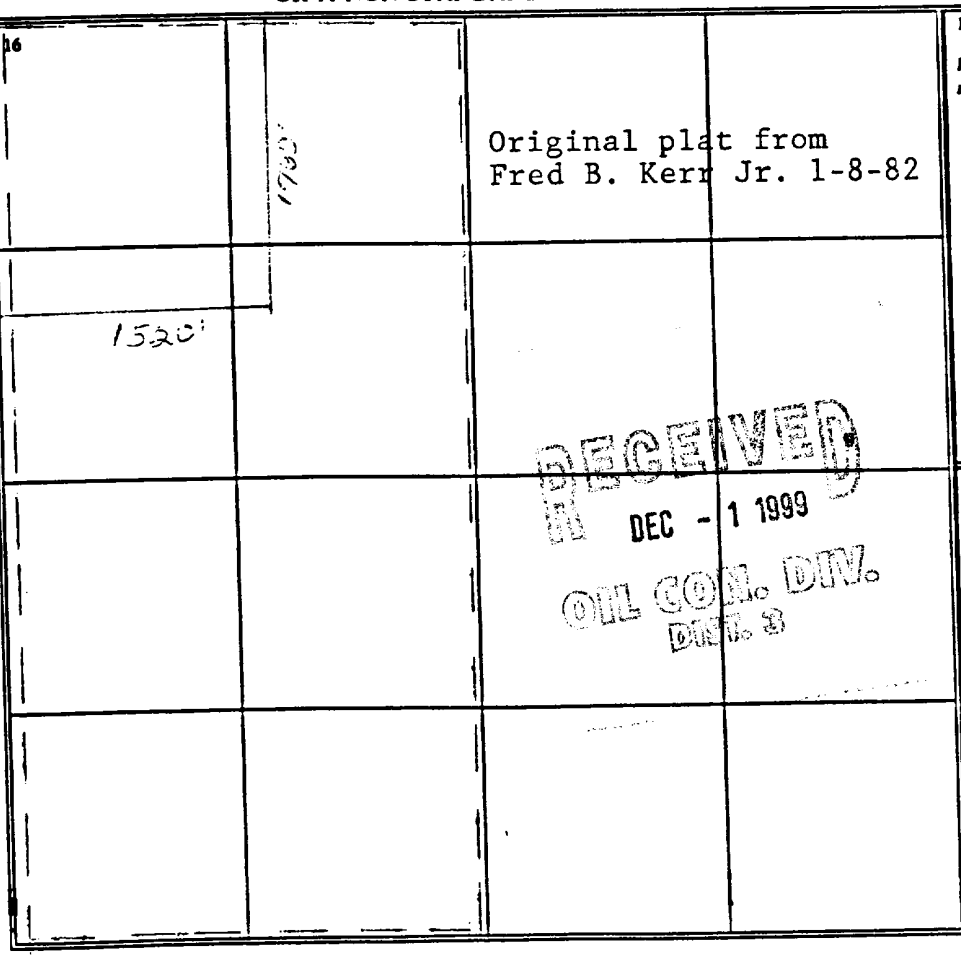
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	31N	11W		1760	North	1520	West	SJ

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
W/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 CERTIFICATION

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

Signature

Peggy Cole
Printed Name

Regulatory Administrator
Title

Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

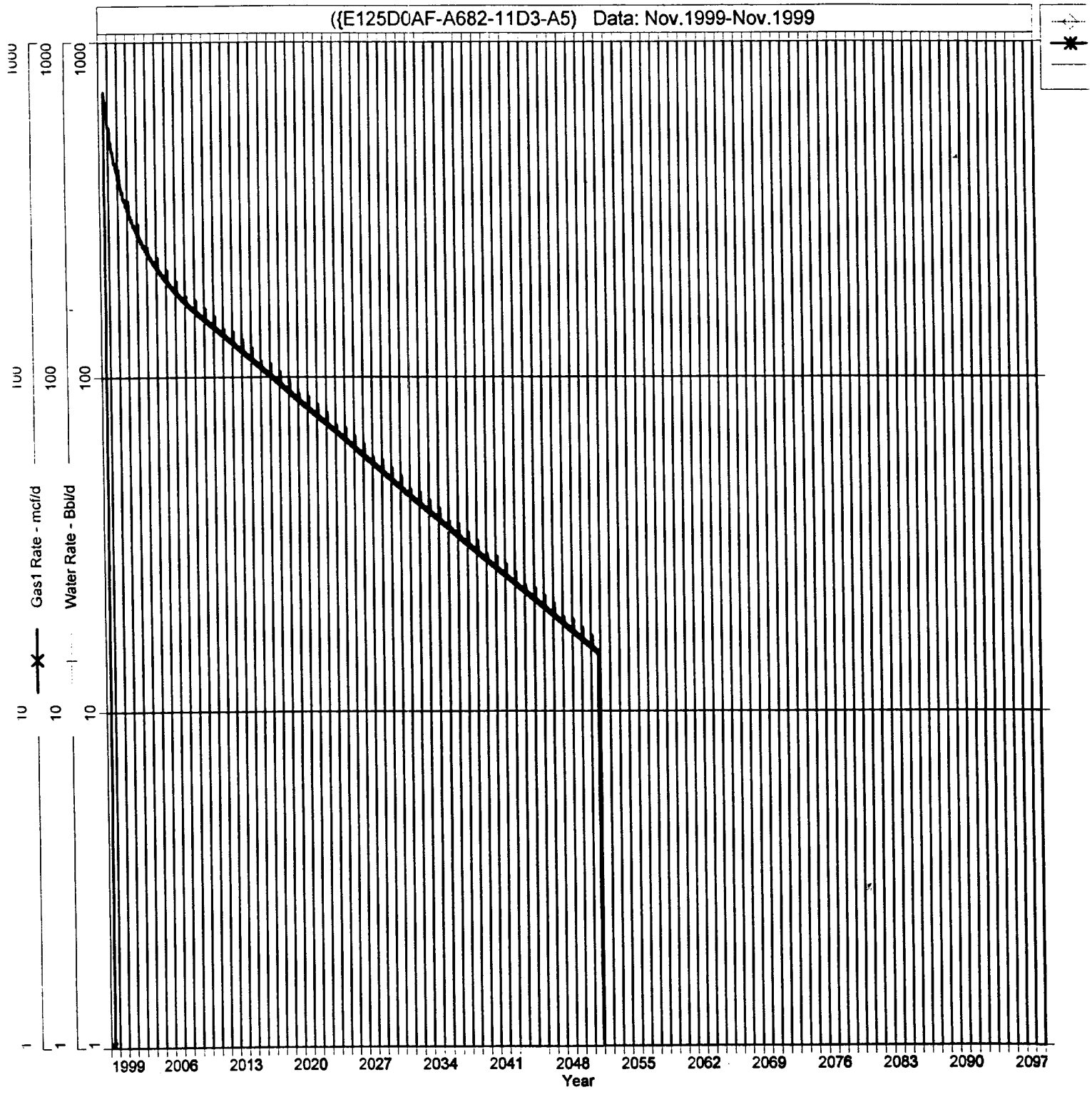
Signature and Seal of Professional Surveyer:

Certificate Number

Grenier #13E

Expected Production

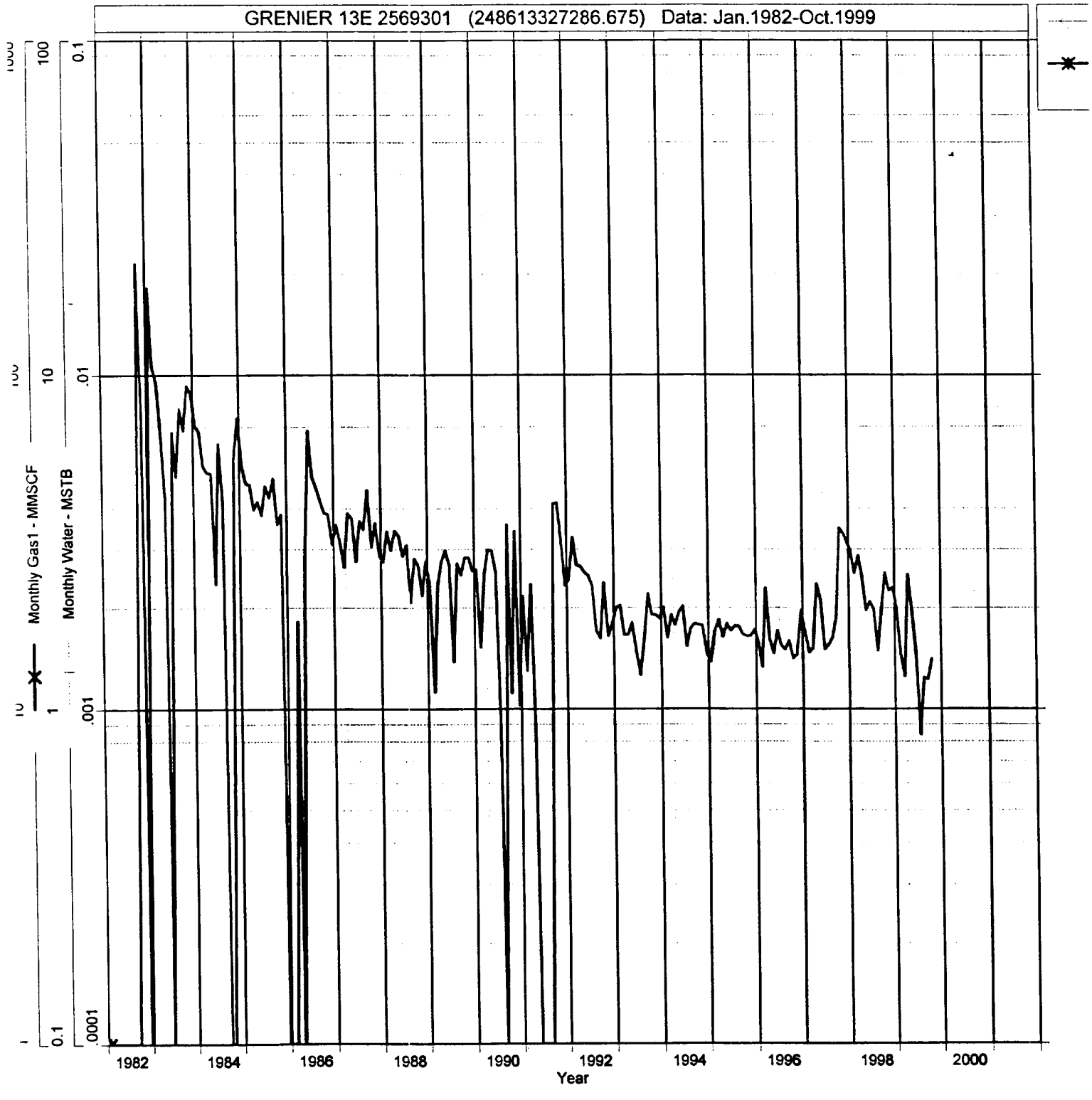
Mesaverde Formation



Grenier #13E

Expected Production

Dakota Formation



Grenier #13E

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Mesaverde

MV-Current

GAS GRAVITY	0.707
COND. OR MISC. (C/M)	C
%N2	0.36
%CO2	0.87
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5220
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	442
BOTTOMHOLE PRESSURE (PSIA)	505.6

MV-Original

GAS GRAVITY	0.707
COND. OR MISC. (C/M)	C
%N2	0.36
%CO2	0.87
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5220
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	945
BOTTOMHOLE PRESSURE (PSIA)	1095.4

Dakota

DK-Current

GAS GRAVITY	0.684
COND. OR MISC. (C/M)	C
%N2	0.31
%CO2	2.16
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7205
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	672
BOTTOMHOLE PRESSURE (PSIA)	799.5

DK-Original

GAS GRAVITY	0.684
COND. OR MISC. (C/M)	C
%N2	0.31
%CO2	2.16
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7205
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1960
BOTTOMHOLE PRESSURE (PSIA)	2383.9

Grenier #13E
Mesaverde Offset

Well Name	Date	Pressure
GRENIER 6A	04/17/77	945
GRENIER 6A	05/18/78	549
GRENIER 6A	06/16/79	546
GRENIER 6A	08/24/80	544
GRENIER 6A	01/16/83	556
GRENIER 6A	08/22/84	481
GRENIER 6A	02/19/86	502
GRENIER 6A	02/21/89	464
GRENIER 6A	05/15/91	430
GRENIER 6A	05/29/91	442

Grenier #13E
Existing Dakota

Well Name	Date	Pressure
GRENIER 13E	07/09/82	1,960
GRENIER 13E	11/16/82	1,277
GRENIER 13E	04/24/83	996
GRENIER 13E	08/22/84	786
GRENIER 13E	05/29/85	828
GRENIER 13E	01/13/88	624
GRENIER 13E	02/06/91	672

Grenier #13E

Mesaverde / Dakota

31N – 11W – 20E