

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

Form C-107-A
Revised August 1999

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Administrative Hearing

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

YES X NO

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

GRENIER

1B

H 06-31N-11W

RIO ARRIBA

Lease

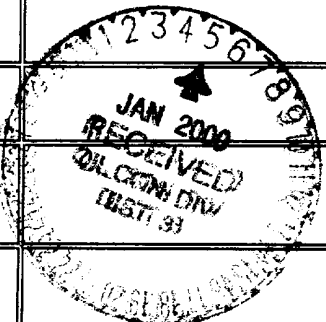
Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18530 API NO. 30-039-XXXXX 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) 493 psi (see attachment)		a. (Current) 724 psi (see attachment)
	b. (Original) 822 psi (see attachment)		b. (Original) 2467 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1248		BTU 1095
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? 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. NMCD 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  TITLE PRODUCTION ENGINEER DATE: 12/29/99

TYPE OR PRINT NAME DAN T. VOECKS 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		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name GRENIER			⁶ Well Number 1B
⁷ GRID No.		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			⁹ Elevation 6504'

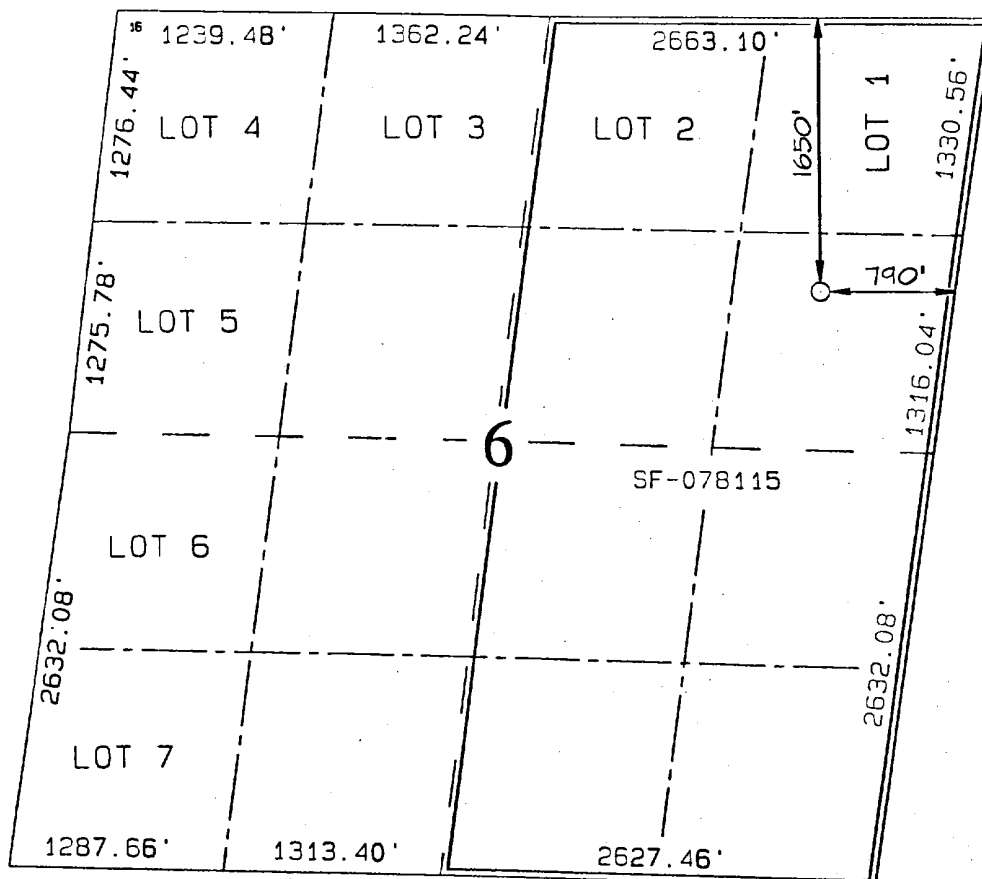
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
H	6	31N	11W		1650	NORTH	790	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ion	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.			

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 _____

Printed Name _____

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.

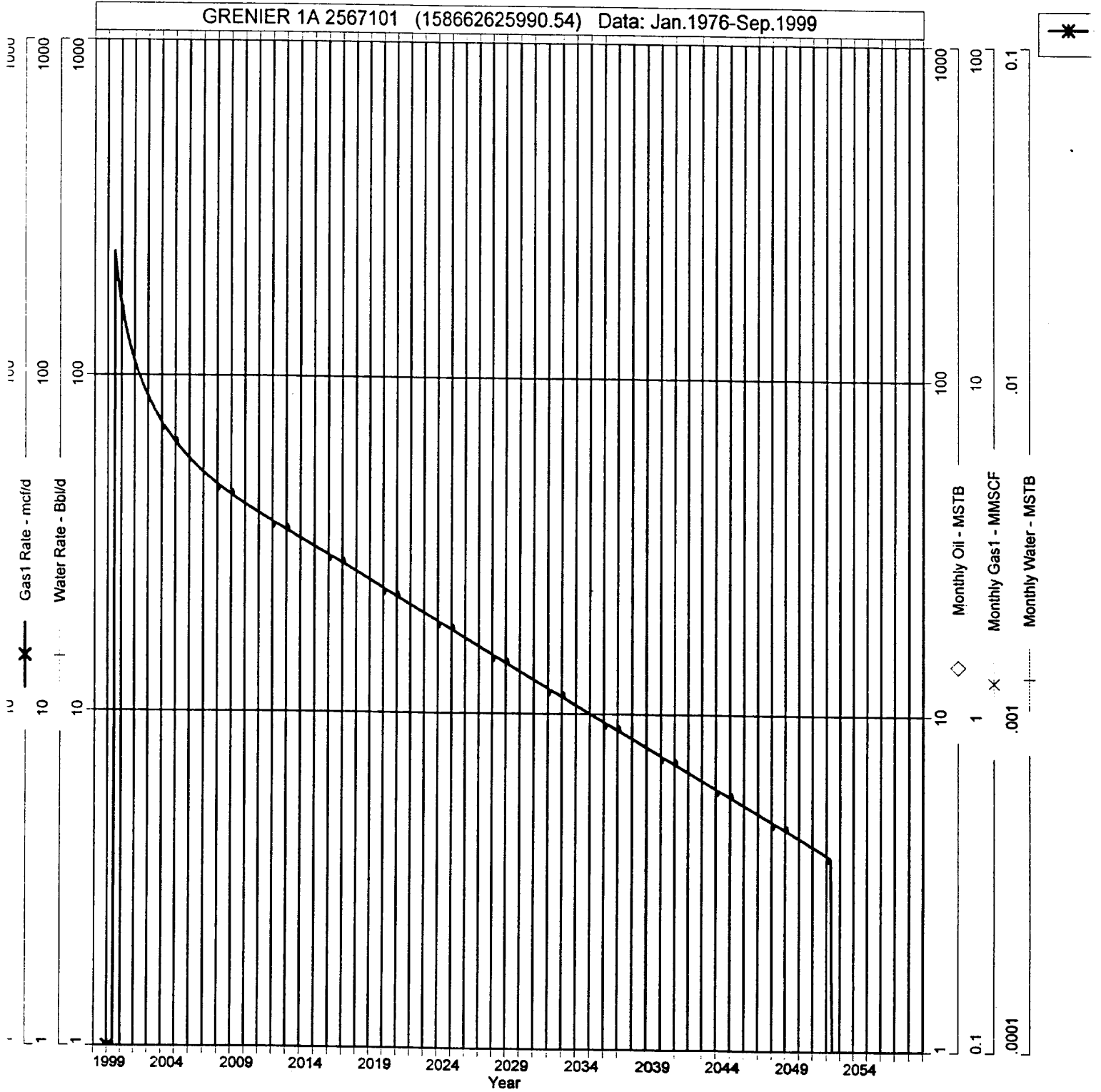
OCTOBER 15, 1999

Date of Survey

Signature and Seal of Professional Surveyor

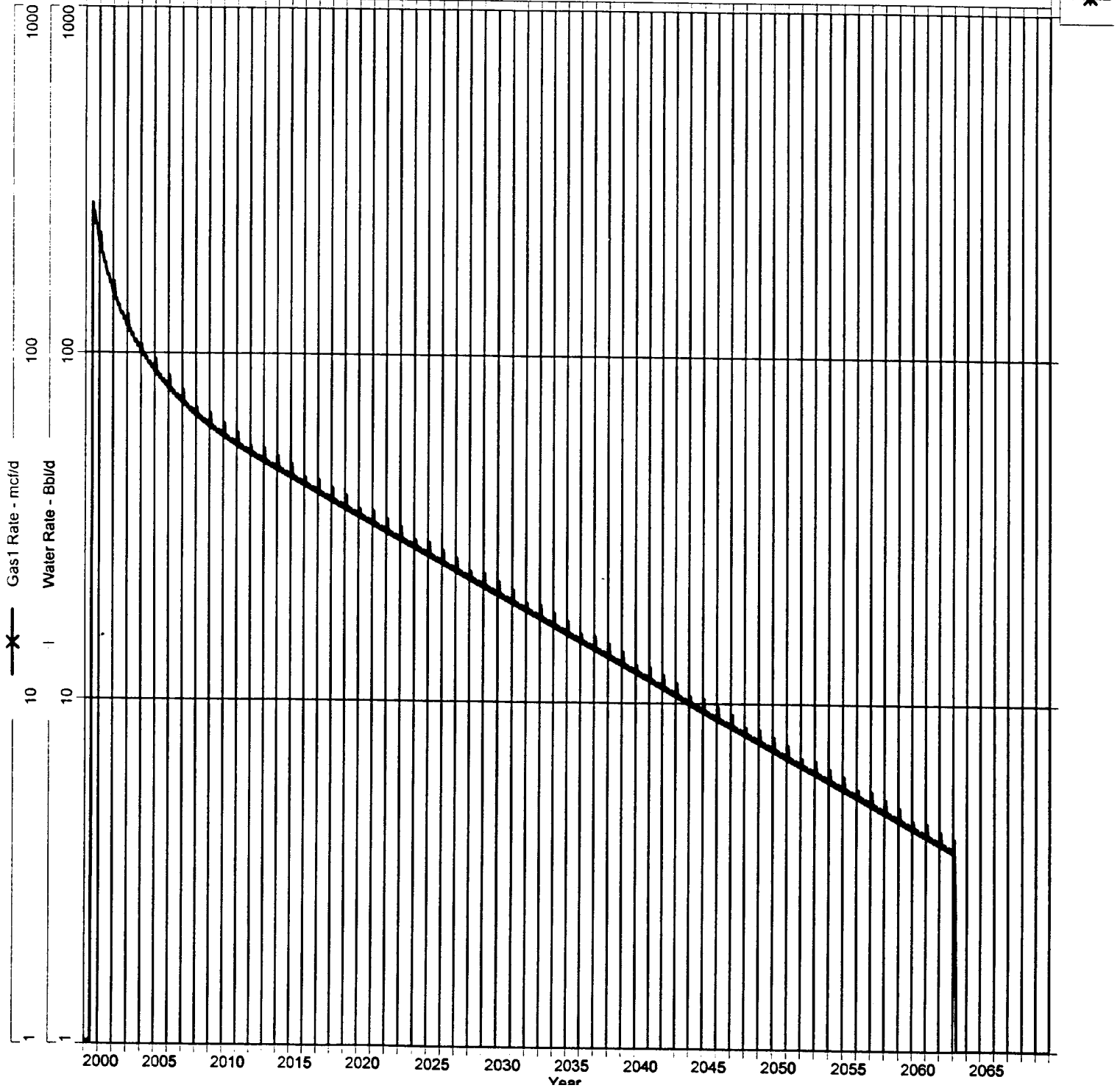
NEALE C. EDWARDS
NEW MEXICO
6857
Professional Surveyor
Certificate Number 6857

Grenier #1B
 Expected Production
 Mesaverde Formation



Grenier #1B
Expected Production
Dakota Formation

{5397995E-B16B-11D3-99} Data: Dec.1999-Dec.1999



Grenier #1B
 Bottom Hole Pressures
 Flowing and Static BHP
 Cullender and Smith Method
 Version 1.0 3/13/94

Mesaverde	Dakota																																																
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Grenier #1B

Mesaverde Offset

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
DUSENBERRY 1A	10/23/76	707
DUSENBERRY 1A	02/17/77	602
DUSENBERRY 1A	05/18/78	422
DUSENBERRY 1A	09/08/79	490
DUSENBERRY 1A	08/16/80	496
DUSENBERRY 1A	04/16/82	420
DUSENBERRY 1A	11/07/84	525
DUSENBERRY 1A	06/11/86	450
DUSENBERRY 1A	06/09/89	521
DUSENBERRY 1A	05/29/91	457
DUSENBERRY 1A	10/21/91	445
DUSENBERRY 1A	12/29/93	427

Grenier #1B
Dakota Offset

<u>Well Name</u>	<u>Date</u>	<u>Pressure</u>
GRENIER 16	05/26/66	2,062
GRENIER 16	06/18/70	766
GRENIER 16	07/18/71	704
GRENIER 16	07/18/72	704
GRENIER 16	05/02/73	671
GRENIER 16	04/18/75	614
GRENIER 16	05/17/77	579
GRENIER 16	05/02/79	607
GRENIER 16	09/01/81	720
GRENIER 16	08/24/83	811
GRENIER 16	05/29/85	678
GRENIER 16	02/17/88	665
GRENIER 16	04/28/92	617

Grenier #1B
 Mesaverde / Dakota
 31N - 11W - 06

