

BURLINGTON RESOURCES

SAN JUAN DIVISION

January 31, 1997

SENT FEDERAL EXPRESS

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

Re: Grenier B #4
1850'FNL, 1580'FEL Section 4, T-29-N, R-10-W, San Juan County, NM
API #30-045-08772 *G*

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 well was originally drilled as a dual Dakota and Mesa Verde.

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 curve for the Dakota and Mesa Verde for at least year;
4. Notification list of offset operators - Burlington is the offset operator;
5. Shut in wellhead pressure and calculated down hole pressure;
6. Nine-section plats for the Mesa Verde and Dakota.

As an offset operator of this you are being notified of this application as a requirement of the New Mexico Oil Conservation Division.

We will consult with the Supervisor of the Aztec District Office of the New Mexico Oil Conservation Division to establish an allocation formula.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator

encs.

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**APPLICATION FOR DOWNHOLE COMMINGLING**Form C-107-A
New 3-12-96**APPROVAL PROCESS :**☒ Administrative ☐ Hearing**EXISTING WELLBORE**☒ YES ☐ NO**Burlington Resources Oil & Gas Company****PO Box 4289, Farmington, NM 87499**

Operator

Address

Grenier B**4****G 4-29-10****San Juan**

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18532 API NO. 30-045-08772 Federal ☒ , State , (and/or) Fee

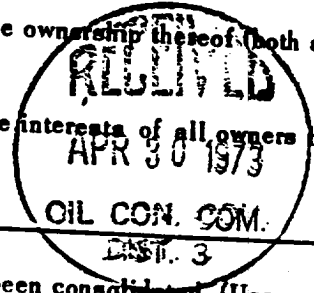
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4650-4720'		6782-6940'
3. Type of production (Oil or Gas)	gas		gas
4. 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	(Current) a. 716 psi (see attachment) (Original) b. 1248 psi (see attachment)	a. b.	a. 742 psi (see attachment) b. 2496 psi (see attachment)
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	BTU 1226		BTU 1119
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	no		yes
* If Shut-In and oil/gas/water rates of last production	Date: n/a	Date:	

**MEXICO OIL CONSERVATION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section.

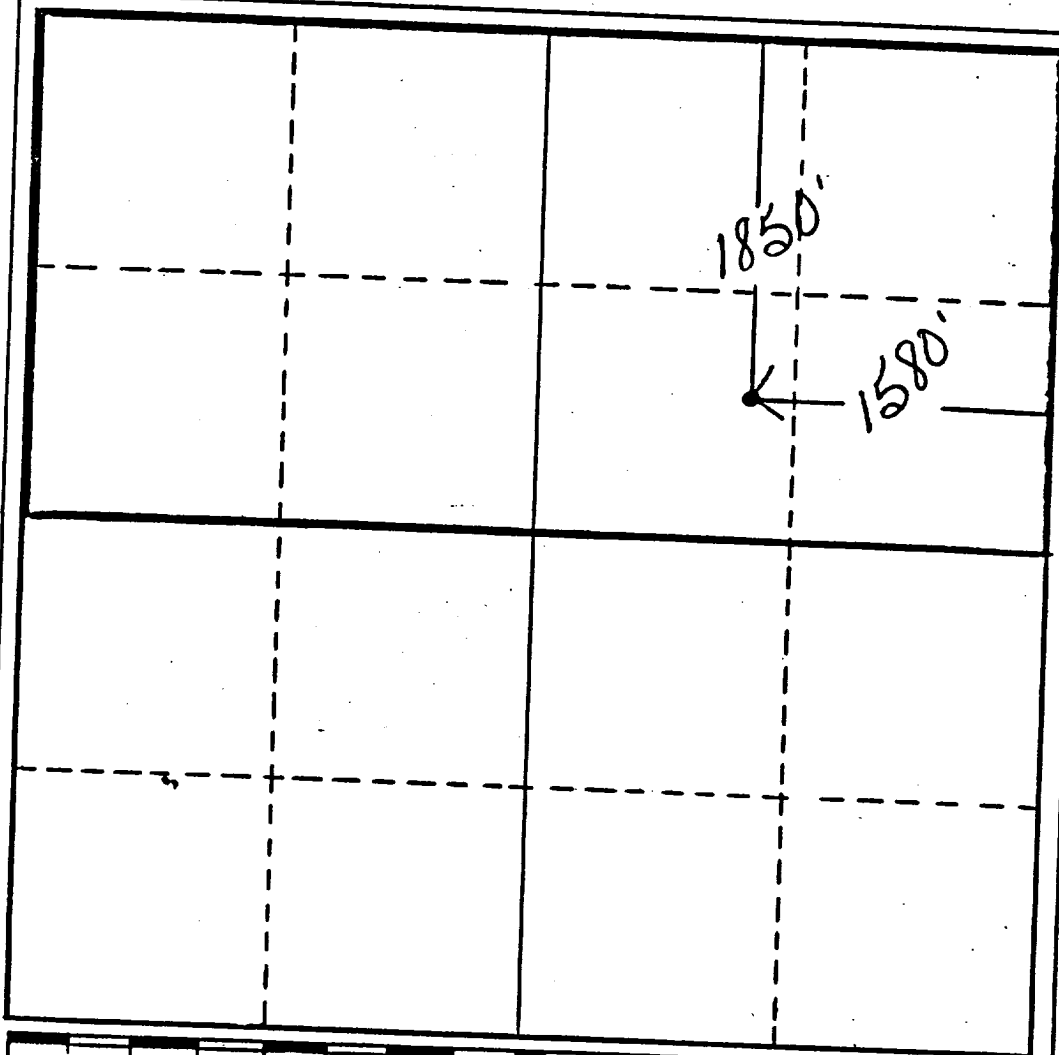
Operator Aztec Oil & Gas Company			Lease Grenier B			Well No. #4	
Unit Letter G	Section 4	Township 29 North	Range 10 West	County San Juan			
Actual Footage Location of Well: 1850 feet from the North line and 1580 feet from the East line							
Ground Level Elev: 5931 GR		Producing Formation Mesaverde		Pool Blanco		Dedicated Acreage: 293.29	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes," type of consolidation _____



If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Joe C. Salmon
Name

Joe C. Salmon

Position

District Superintendent

Company

Aztec Oil & Gas Company

Date

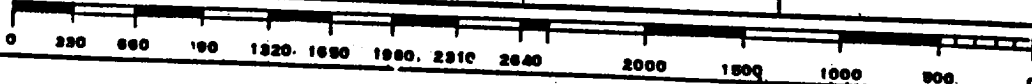
April 27, 1973

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



County		San Juan
Line and		1580
Pool		Basin Dakota
Dedicated Acreage:		N 293.29
Acres		

If more than one lease is dedicated to the subject well by colored pencil or hachure marks on the plat below.

If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (See reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

0 500 650 100 1320 1650 1980 2310 2640 2000 1500 1000 500 0

CERTIFICATION

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

Joe C. Salmon

Name
Joe C. Salmon

Position
District Superintendent

Company
Aztec Oil and Gas Company

Date
October 6, 1969

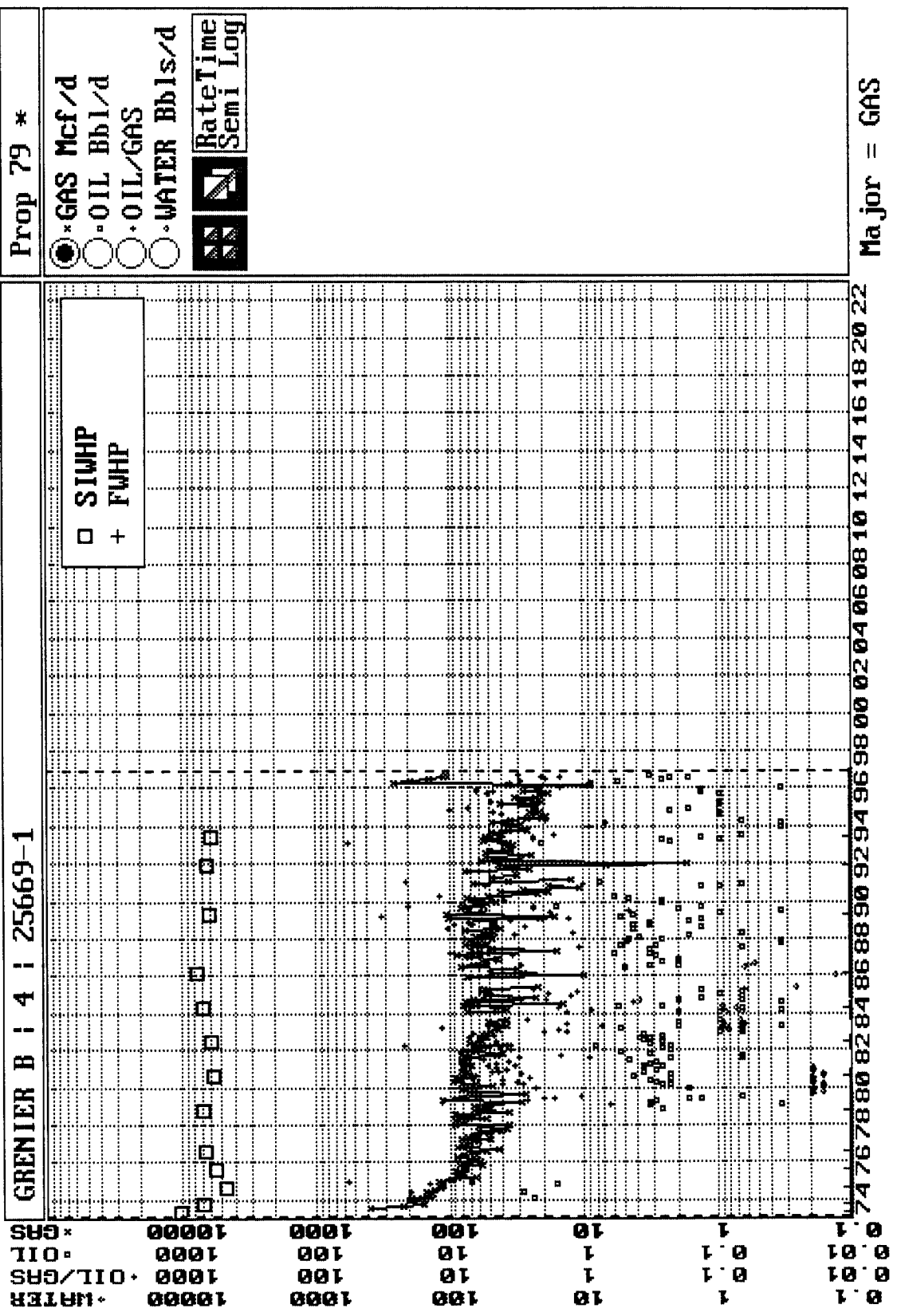
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

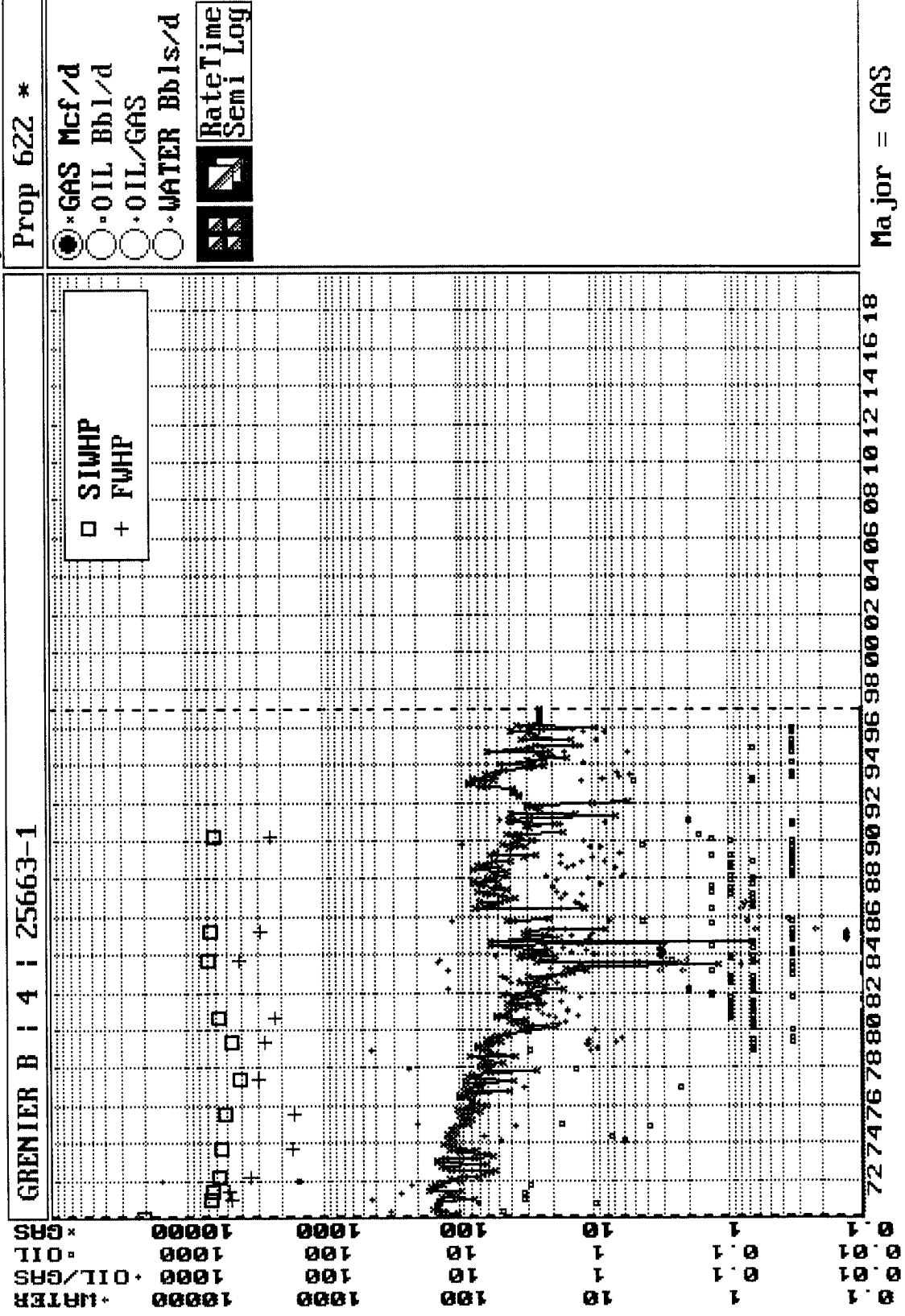
Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

MV



DK

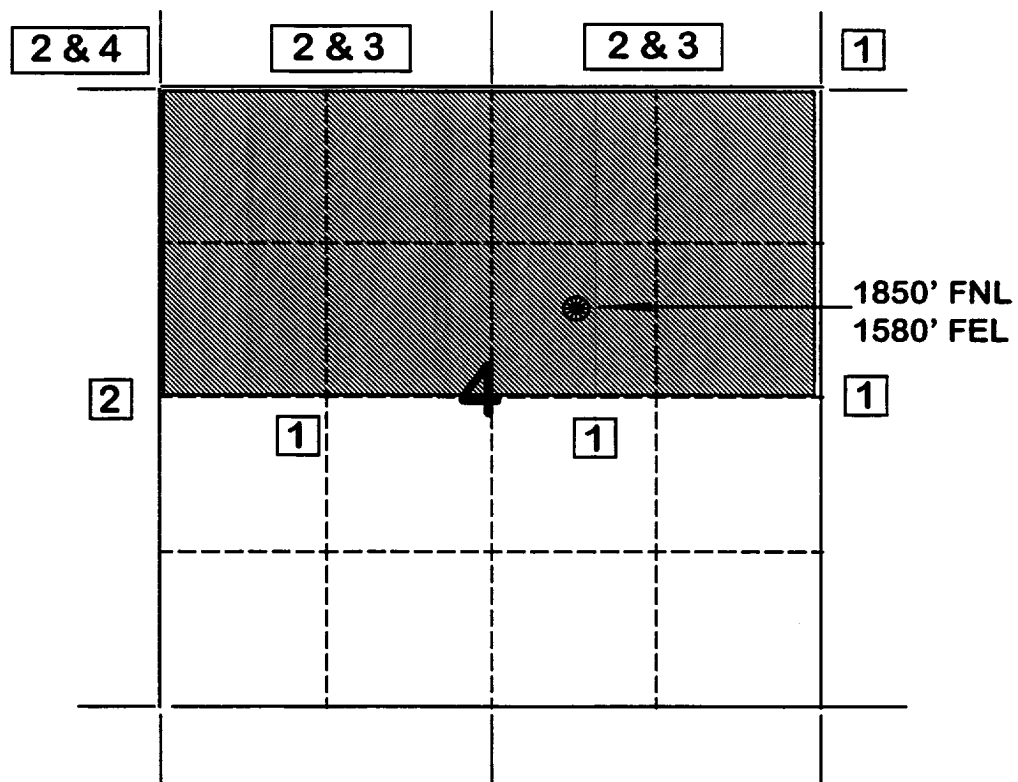


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Grenier B #4
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde/Dakota Formations Commingle Well

Township 29 North, Range 10 West



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
- 2) Amoco Production Company
Attn: Bruce Zimney
P.O. Box 800
Denver, CO 80201
- 3) Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500
- 4) Four Star Oil & Gas Company
P.O. Box 2100
Denver, CO 80201

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

VERSION 10.3/13/94

GAS GRAVITY	0.71
COND. OR MISC. (C/M)	C
%N2	0.87
%CO2	0.74
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	6985
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	596
BOTTOMHOLE PRESSURE (PSIA)	716.3

GRENIER B #4 MESAVERDE (CURRENT)

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

7/25/07 10:31/13/54

GAS GRAVITY	0.71
COND. OR MISC. (C/M)	C
%N2	0.87
%CO2	0.74
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	6985
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1023
BOTTOMHOLE PRESSURE (PSIA)	1248.0

GRENIER B #4 MESAVERDE (ORIGINAL)

MESSAGE
 Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: GRENIER B | 4 | 25669-1 Property No.: 79
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 1/13/691
 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM GAS--	M SIWHP
	Mcf	Psi
04/17/73	0	1023.0
09/26/73	22908	693.0
08/02/74	67145	465.0
08/02/75	103176	568.0
08/02/76	129417	672.0
10/03/78	181813	691.0
08/16/80	228325	582.0
06/08/82	274339	605.0
04/04/84	301639	701.0
03/12/86	326928	763.0
05/10/89	389764	622.0
11/12/91	425898	650.0
05/31/93	447803	596.0

F1=Help F3=PrvPro F5=PrvTbl F7=Calcu F9=Utils Alt+TableLtr=Change Table
 F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L

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

VERSION 10/3/13/94

GAS GRAVITY	0.65
COND. OR MISC. (C/M)	C
%N ₂	0.17
%CO ₂	1.88
%H ₂ S	0
DIAMETER (IN)	2.4
DEPTH (FT)	6985
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	634
BOTTOMHOLE PRESSURE (PSIA)	742.2

GRENIER B #4 DAKOTA (CURRENT)

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

VERSION 10/3/83/84

GAS GRAVITY	0.65
COND. OR MISC. (C/M)	C
%N2	0.17
%CO2	1.88
%H2S	0
DIAMETER (IN)	2.4
DEPTH (FT)	6985
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2091
BOTTOMHOLE PRESSURE (PSIA)	2496.4

GRENIER B #4 DAKOTA (ORIGINAL)

DAKOTA

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: GRENIER B | 4 | 25663-1 Property No.: 622
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 Item: 2/3/33 Name: DATE Type: Date Len: 8/27/203

--DATE--	---CUM_GAS-- Mcf	M SIWHP Psi
04/26/62	0	2091.0
12/25/70	566917	664.0
05/26/71	584303	638.0
03/18/72	623136	590.0
09/26/73	674152	572.0
08/02/75	746230	527.0
05/17/77	795732	405.0
05/17/79	840724	464.0
08/16/80	858649	582.0
08/24/83	889359	700.0
04/03/85	906378	680.0
03/21/90	978743	634.0

F1=Help F3=PrvPro F5=PrvTbl F7=Calcu F9=Utils Alt+TableLtr=Change Table
 F2=Jump F4=NxtPro F6=NxtTbl F8=Print F10=Exit Shift+<- ->=Fast Tbl R & L

