

BURLINGTON RESOURCES

SAN JUAN DIVISION

October 11, 1996

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

RECEIVED
OCT 15 1996
OIL CON. DIV.
DIST. 3

Re: Ripley #2A
790'FSL, 790'FEL Section 26, T-32-N, R-13-W, San Juan County, NM
API #30-045-23414

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 is currently a dual Mesa Verde/Dakota well.

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

The ownership for both the Mesa Verde and Dakota are common in this well. No notification to interest owners is required.

The allocation formula is included, showing 40% from the Mesa Verde and and 60% from the Dakota formation.

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 86210-2835

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 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative
☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NO

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

Ripley

2A

P-26-32N-13W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. _14538_ Property Code _7434_ API NO. 30-045-23414 Federal ____, State ____, (and/or) Fee __X__

The following facts are submitted
in support of downhole
commingling:Upper
ZoneIntermediate
ZoneLower
Zone

1. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4538-4678'		6764-6984'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	(Current) a. 450 psi (see attachment)	a.	a. 916 psi (see attachment)
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1157 psi (see attachment)	b.	b. 2264 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1158		BTU 1156
7. Producing or Shut-In?	producing		Producing
Production Marginal? (yes or no)	yes		yes

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-65

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

Operator CONSOLIDATED OIL AND GAS, INC.		Lease RIPLEY		Well No. 2 A
Section Letter P	Section 26	Township 32 NORTH	Range 13 WEST	County SAN JUAN
Actual Footage Location of Well:				
790 feet from the SOUTH line and		790 feet from the EAST line		
Ground Level Elev. 5860	Producing Formation Mesaverde	Pool Blanco Mesaverde	Dedicated Acreage: 160 Acres	

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 working 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 Communitization

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.

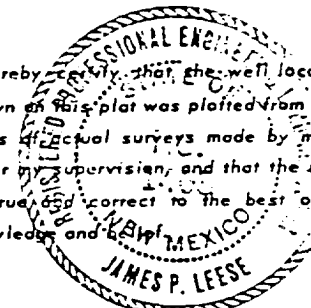
RECEIVED OCT 1 9 1996 OIL CON. DIV. DIST. 3		26
		RECEIVED MAR 18 1979 OIL CON. COM. DIST. 3

CERTIFICATION

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

C. M. Parham
Name
C. M. Parham
Position
Sr. Production Engineer
Company
Consolidated Oil & Gas, Inc.
Date
3-9-79

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
20 OCT 1976
Registered Professional Engineer
James P. Leese
James P. Leese

Certificate No. **:1463**

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes C-1
Effective 1-1-68

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

Operator CONSOLIDATED OIL AND GAS, INC.		Lease RIPLEY		Well No. 2 A	
Unit Letter P	Section 26	Township 32 NORTH	Range 13 WEST	County SAN JUAN	
Actual Footage Location of Well: 790 feet from the SOUTH line and 790 feet from the EAST line					
Ground Level Elev. 5860	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 320.00 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 working 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 Communitization

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

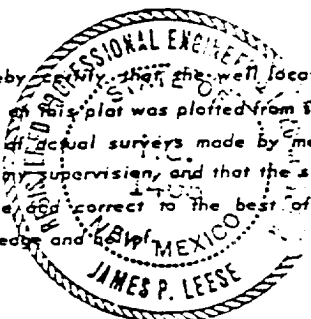
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

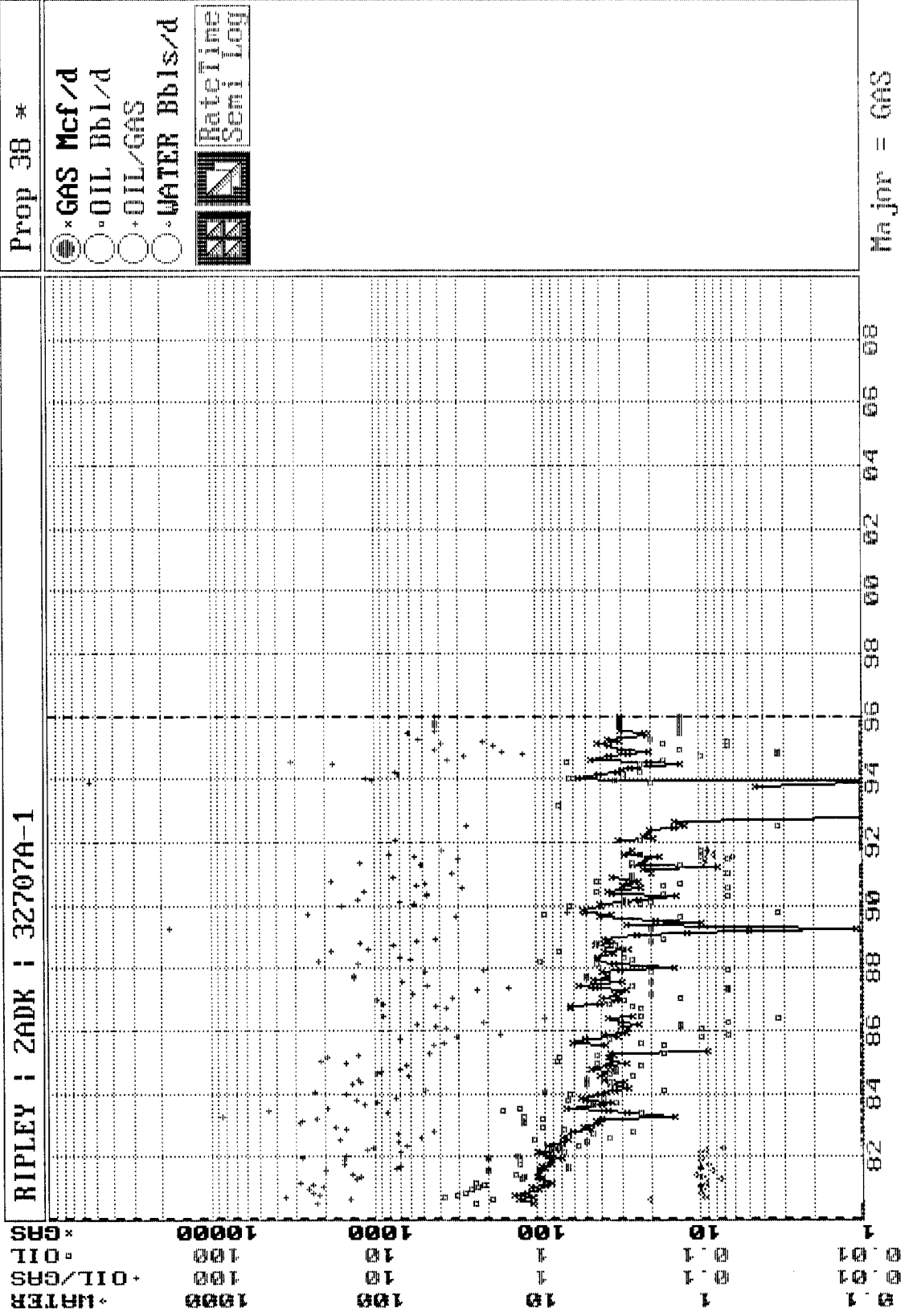
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

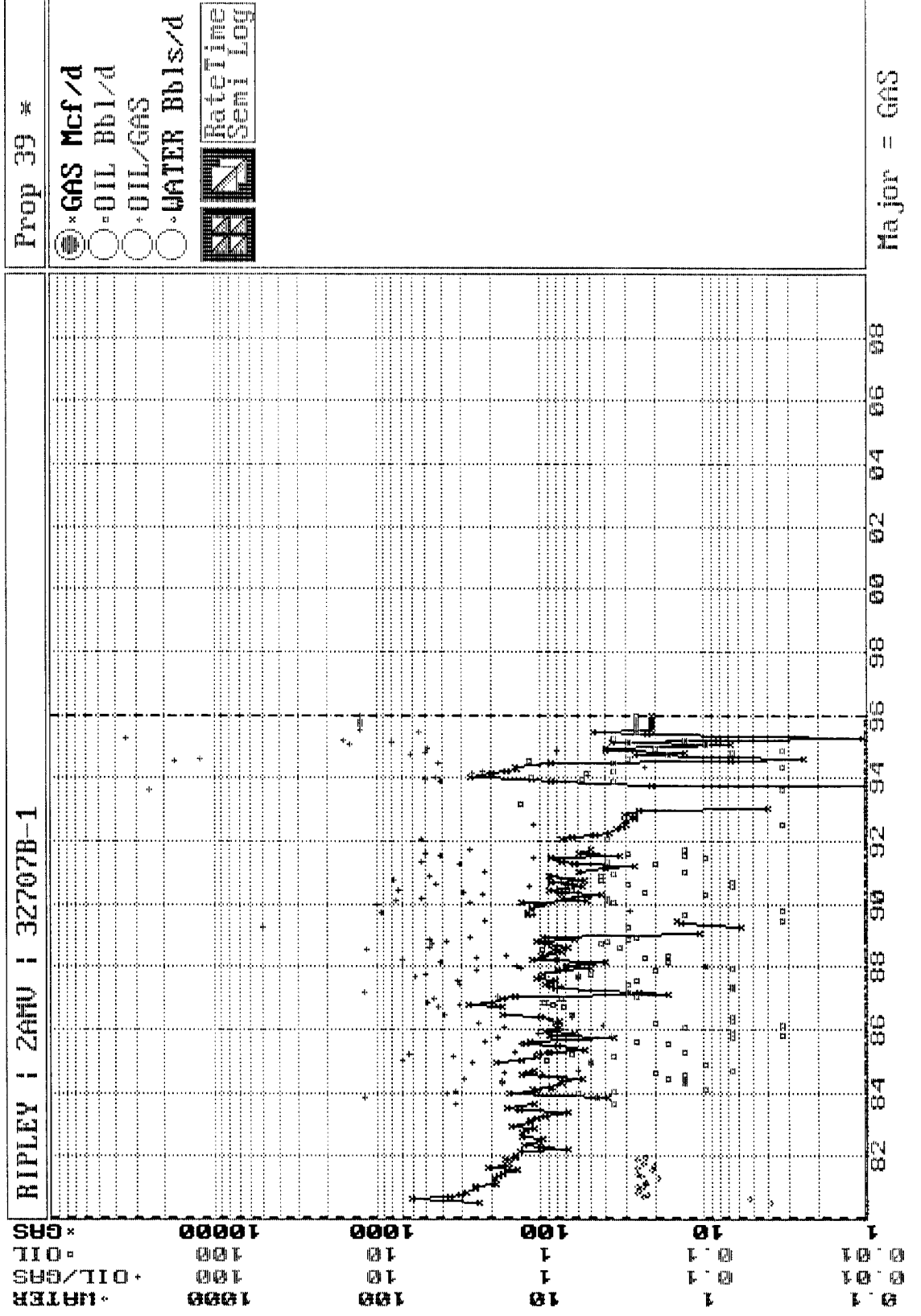
C. M. Parham
Name
C. M. Parham
Position
Senior Production Engineer
Company
Consolidated Oil & Gas, Inc.
Date
June 13, 1979

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
20 January 1979
Registered Professional Engineer
James P. Leese
Certificate No. 1463



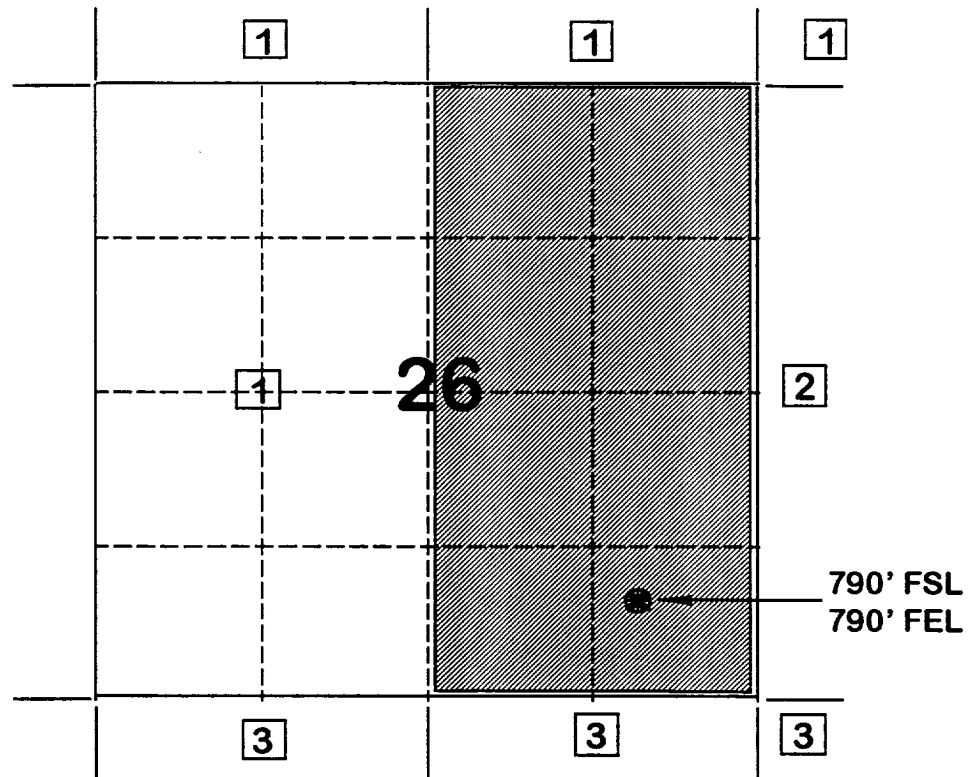


BURLINGTON RESOURCES OIL AND GAS COMPANY

**Ripley #2A
OFFSET OPERATOR \ OWNER PLAT**

Mesaverde/Dakota Formations Commingle Well

Township 32 North, Range 13 West



- 1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.
- 2) Hallwood Petroleum Inc.
4582 S. Ulster Street Parkway, Suite 1700
Denver, CO 80237
- 3) Snyder Oil Corporation
P.O. Drawer 99162
Ft Worth, TX 76199-0162

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

VERSION 1.0 3/13/94

GAS GRAVITY	0.688
COND. OR MISC. (C/M)	C
%N2	0.39
%CO2	1.48
%H2S	0
DIAMETER (IN)	2.5
DEPTH (FT)	4678
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	401
BOTTOMHOLE PRESSURE (PSIA)	449.6

RIPLEY #2A MESAVERDE - (CURRENT)

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

VERSION 1.0 3/13/94

GAS GRAVITY	<u>0.688</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.39</u>
%CO2	<u>1.48</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.5</u>
DEPTH (FT)	<u>4678</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>150</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1020</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1157.7</u>

RIPLEY #2A MESAVERDE - (ORIGINAL)

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: RIPLEY (MV) | 2A | 32707B-1 Property No.: 26
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 8/8/467
 Item: 12/32/33 Name: GAS_RATE Type: Numeric Len: 8/197/203 Dec: 0

GAS RATE	WTR RATE	WHT	M FWHP-	M FBHP-	M SIWHP	M SIBHP	C FWHP-	C FBHP-
■■■■■■■■■■	■■■■■■■■■■	■■■	■Psi■	■Psi■	■Psi■	■Psi■	■■■■■■■■■■	■■■■■■■■■■
«			0.0		1020.0			»
«	0		470.0		692.0	0.0		»
«	0		415.0		542.0	0.0		»
«	0		435.0		487.0	0.0		»
«	0		383.0		512.0	0.0		»
«	0		310.0		442.0	0.0		»
«	0		325.0		452.0	0.0		»
«					401.0			»

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 1.0 3/13/94

GAS GRAVITY	<u>0.687</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.39</u>
%CO2	<u>1.47</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.5</u>
DEPTH (FT)	<u>6984</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>200</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>772</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>916.4</u>

RIPLEY #2A DAKOTA - (CURRENT)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**
VERSION 1.0 3/13/94

GAS GRAVITY	0.687
COND. OR MISC. (C/M)	C
%N2	0.39
%CO2	1.47
%H2S	0
DIAMETER (IN)	2.5
DEPTH (FT)	6984
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1870
BOTTOMHOLE PRESSURE (PSIA)	2263.8

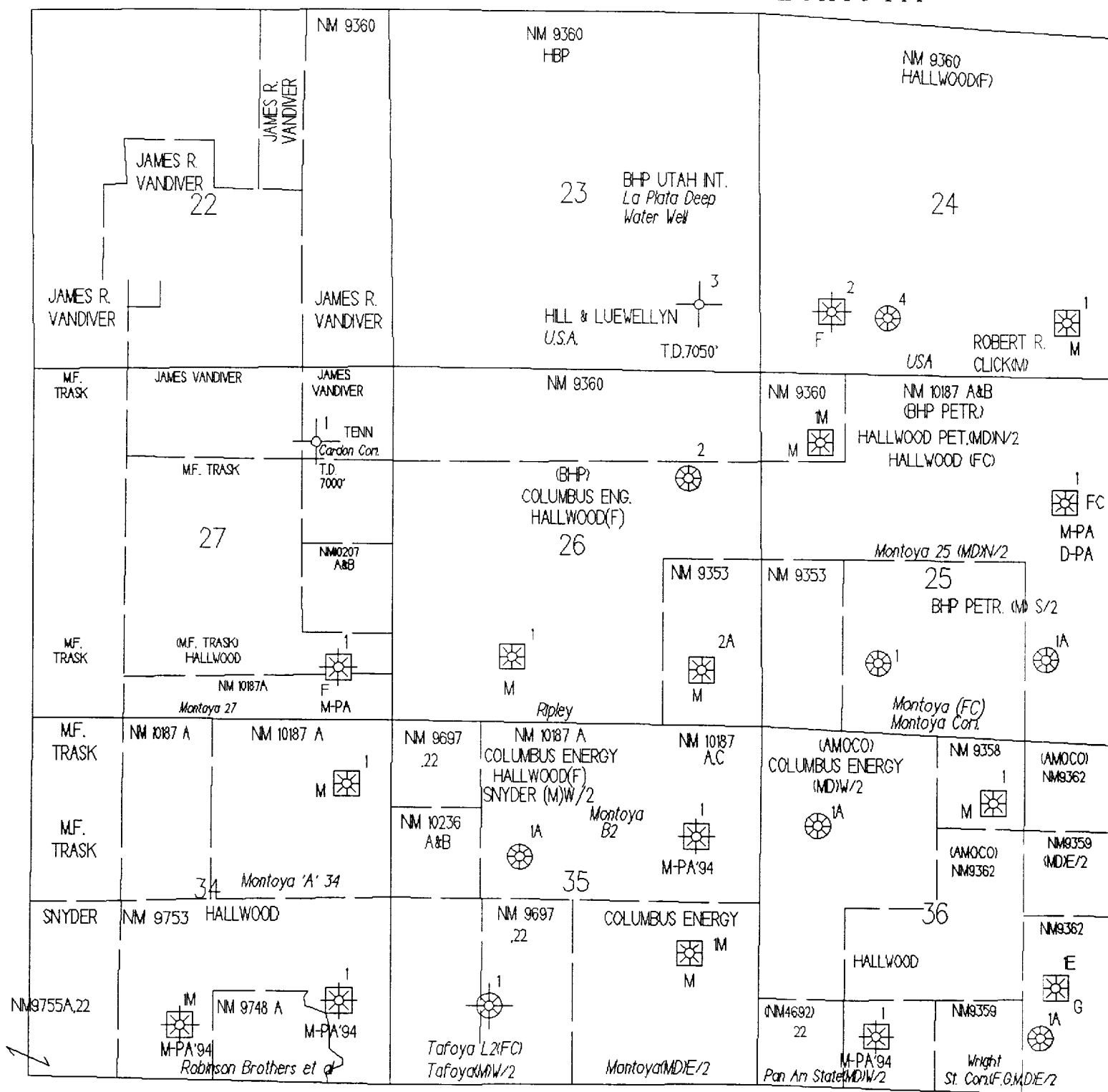
RIPLEY #2A DAKOTA - (ORIGINAL)

Organize Data ScreenGraph Economics Report Plot Utility Quit
 Browsing: RIPLEY (DK) | 2A | 32707A-1 Property No.: 25
 Table(T): TEST/M,P,H,E,T,Z,C,A,O,D,N,1,2,3,B,U,S Rec: 8/8/467
 Item: 12/32/33 Name: GAS_RATE Type: Numeric Len: 8/197/203 Dec: 0

GAS RATE	WTR RATE	WHT	M FWHP- Psi	M FBHP- Psi	M SIWHP Psi	M SIBHP Psi	C FWHP-	C FBHP-
«		0	0.0	0.0	1870.0			»
«	0		431.0		1242.0	0.0		»
«	0		422.0		872.0	0.0		»
«	0		408.0		877.0	0.0		»
«	0		363.0		842.0	0.0		»
«	0		334.0		772.0	0.0		»
«	0		315.0		722.0	0.0		»
«					772.0			»

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

BLANCO MESAVERDE/BASIN DAKOTA



PRODUCTION ALLOCATION FORMULA METHOD

Ripley #2A
(Mesaverde/Dakota) Commingle
Unit P, 26-T32N-R13W
San Juan County, New Mexico

Allocation Formula Method:

Current Production from Mesaverde formation = 20 MCFD

Current Production from Dakota formation = 30 MCFD

$$\frac{[(MV \& DK) 50 \text{ MCFD} - (MV) 20 \text{ MCFD}]}{(MV \& DK) 50 \text{ MCFD}} = (DK) \% \text{ Dakota 60\%}$$

$$\frac{[(MV \& DK) 50 \text{ MCFD} - (DK) 30 \text{ MCFD}]}{(MV \& DK) 50 \text{ MCFD}} = (MV) \% \text{ Mesaverde 40\%}$$