

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

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

APPROVAL PROCESS :
X Administrative ___Hearing
EXISTING WELLBORE
X__ YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas PO Box 4289, Farmington, NM 87499

Operator	Address		
Prichard Federal	#1	G-6-29N-8W	San Juan
Lease	Well No.	Unit Ltr. - Sec - Twp - Rge	County
Spacing Unit Lease Types: (check 1 or more)			
OGRID NO. 14538	Property Code 7401	API NO. 30-045-08753	Federal _X_ , State , Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Pictured Cliffs-72359		Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	2919'-2959'		4506'-5241'
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. 228 psi (see attachment) (Original) b. 1085 psi (see attachment)		a. 296 psi (see attachment) b. 1272 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1121		BTU 1225
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		No
* If Shut-In 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:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: 1/31/99 Rates: 39 mcf/d		Date: 1/31/99 Rates: 204
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		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
Have all offset operators been given written notice of the proposed downhole commingling? ☒ 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 all offset operators.
* 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 Mary Ellen Lutey TITLE Production Engineer DATE 3/9/99
TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (505) 326-9700

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

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

Operator Union Texas Petroleum			Lease Pritchard Federal		Well No. 1
Unit Letter G	Section 6	Township 29N	Range 8W	County San Juan	
Actual Footage Location of Well:					
1650 feet from the North line and		1650 feet from the East line			
Ground Level Elev. 6250	Producing Formation Pictured Cliffs	Pool Blanco Pictured Cliffs	Dedicated Acreage: 168.70 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 _____

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.

T.C. Simpson

Name

T. C. Simpson

Position

Dist. Production Manager

Company

Union Texas Petroleum

Date

February 19, 1968

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.

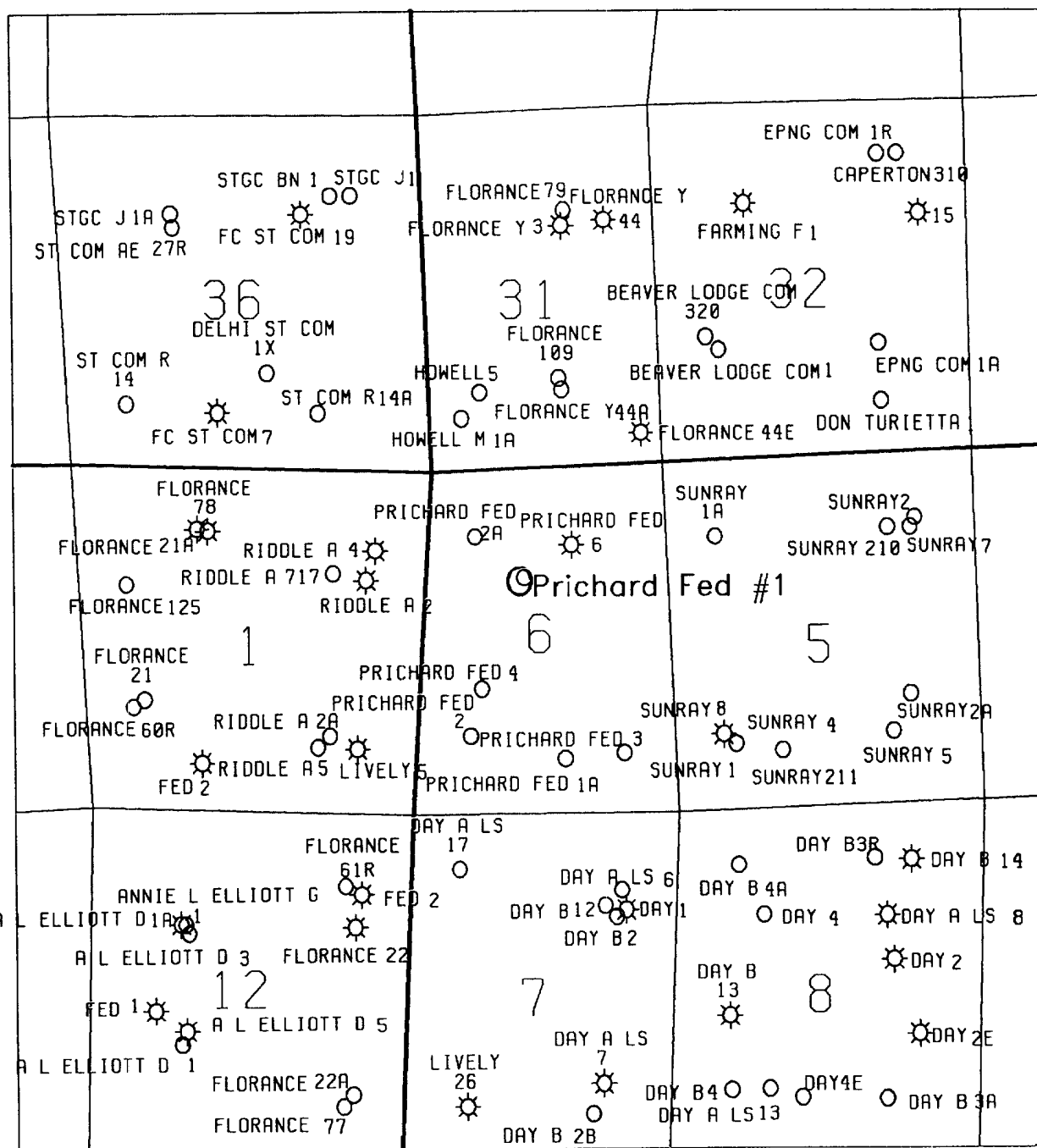
Date Surveyed

Registered Professional Engineer
 and/or Land Surveyor

APR 1 - 1968

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



Prichard Fed #1
Sec. 6 T29N R8W
MV/PC

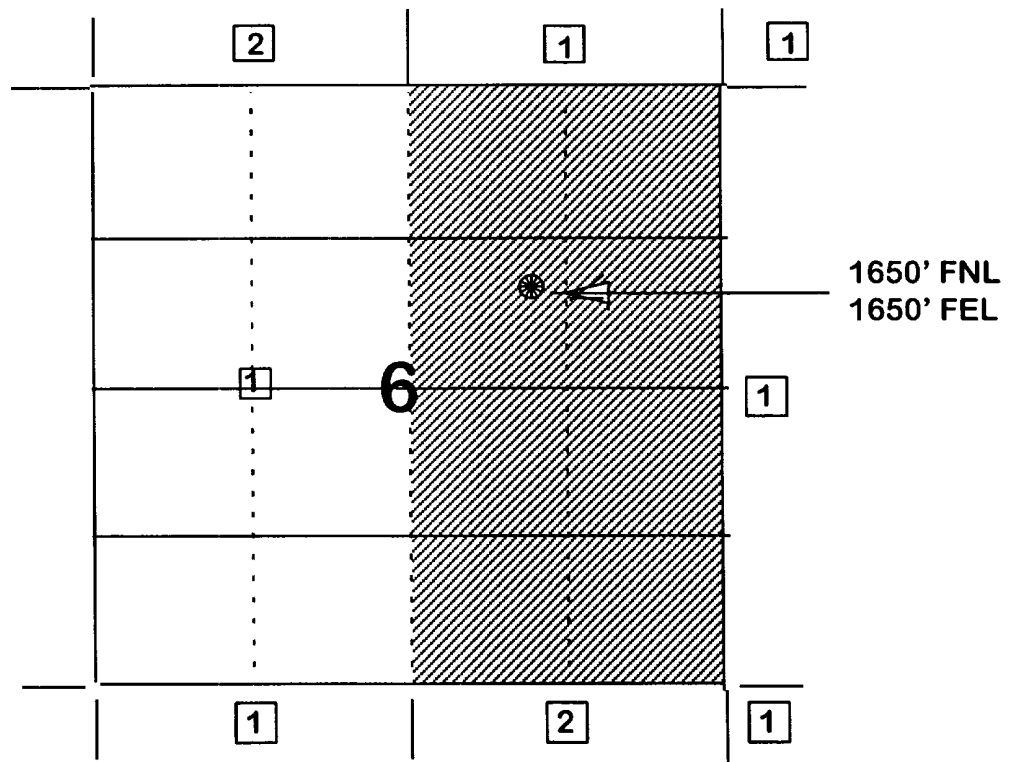
BURLINGTON RESOURCES OIL AND GAS COMPANY

**OFFSET OPERATOR \ OWNER PLAT
Prichard Federal #1**

Down-hole Commingle

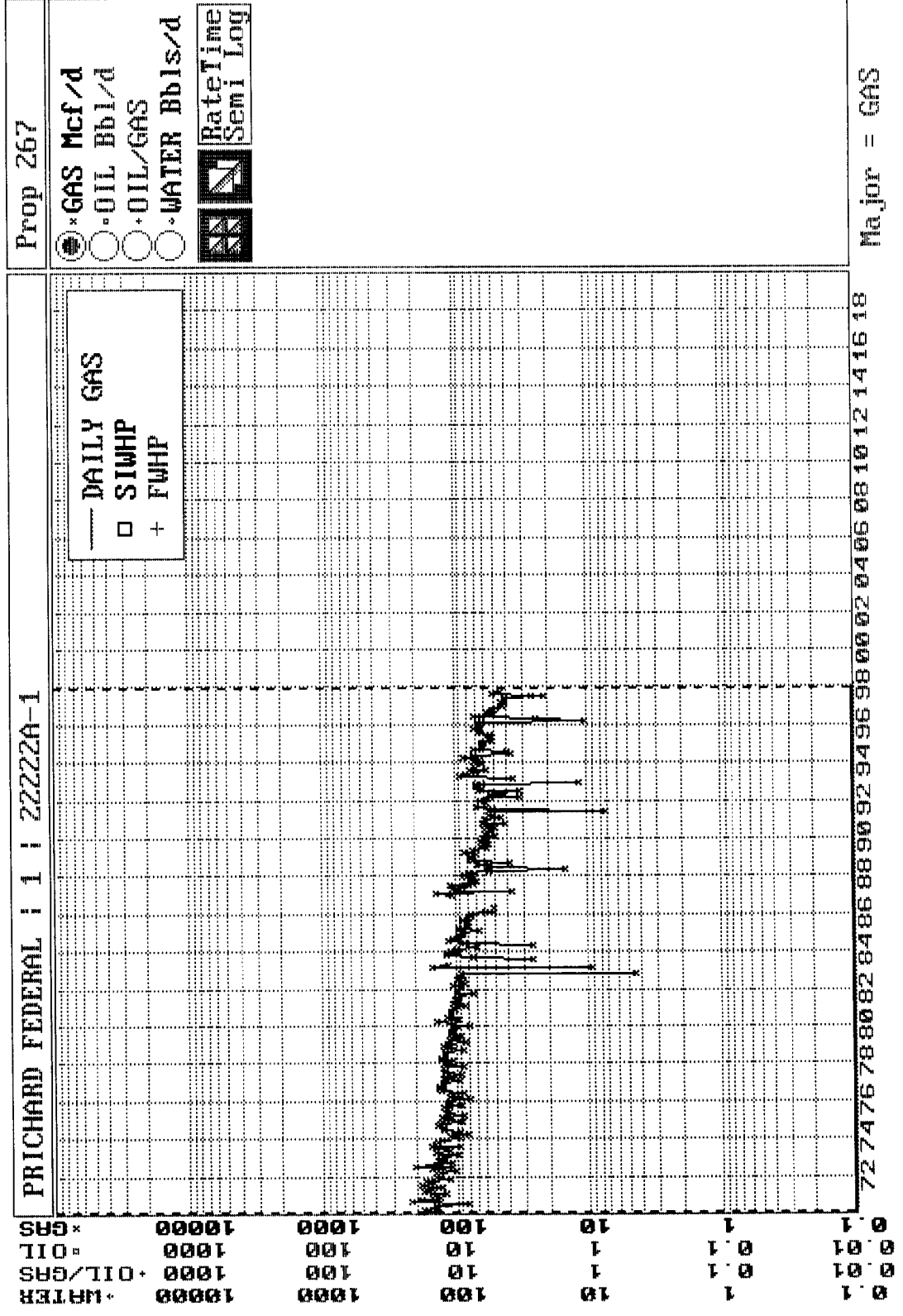
Pictured Cliffs (NE/4), Mesaverde (E/2) Formations

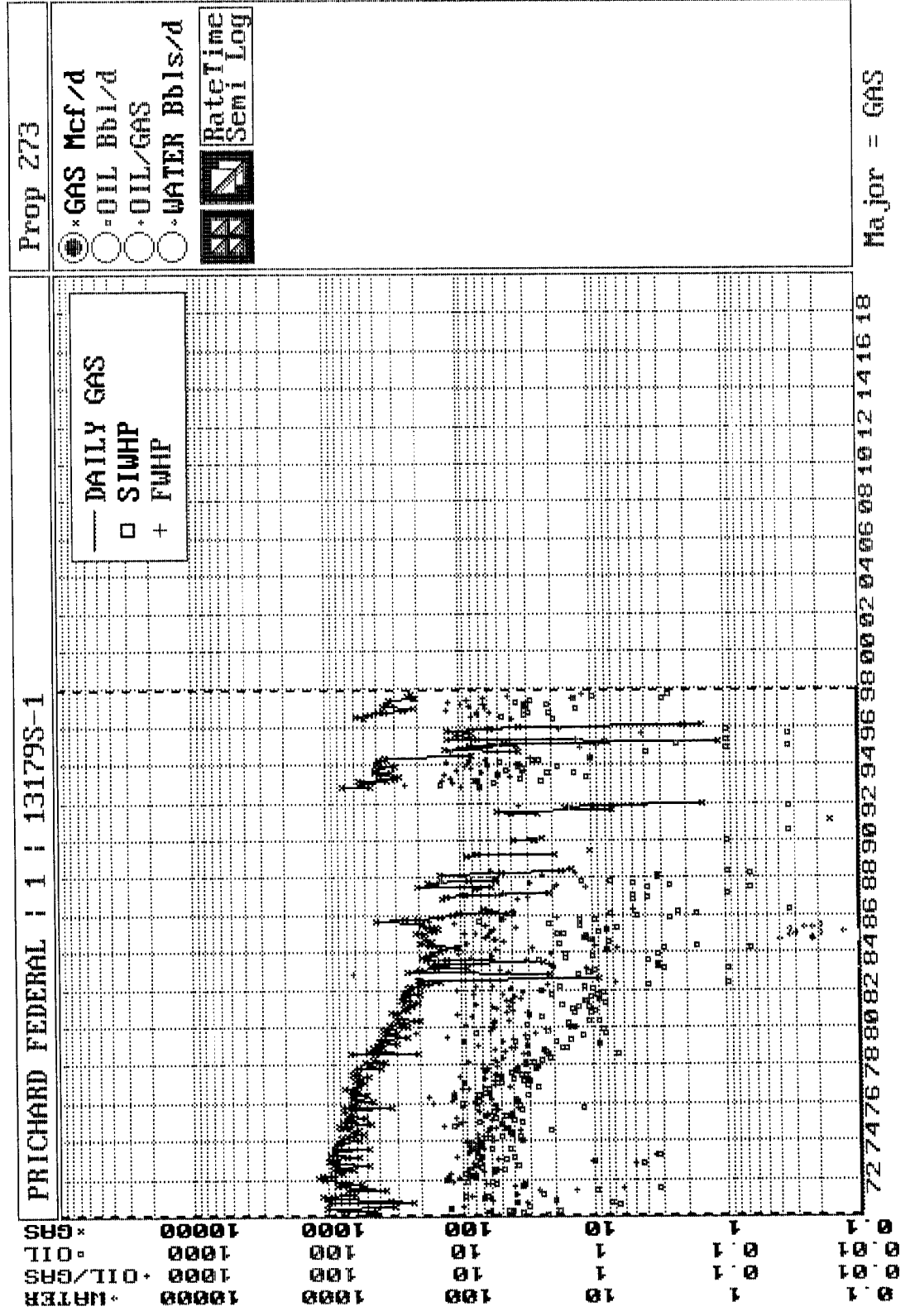
Township 29 North, Range 8 West



1) Burlington Resources

2) Amoco Production Co.
PO Box 800
Denver, Colorado 80201





Prichard Federal #1
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

Mesaverde		Pictured Cliffs	
<u>MV-Current</u>		<u>PC-Current</u>	
GAS GRAVITY	<u>0.705</u>	GAS GRAVITY	<u>0.668</u>
COND. OR MISC. (C/M)	<u>M</u>	COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.23</u>	%N2	<u>1.15</u>
%CO2	<u>0.84</u>	%CO2	<u>0.51</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>	DIAMETER (IN)	<u>7</u>
DEPTH (FT)	<u>4874</u>	DEPTH (FT)	<u>2939</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>124</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>99</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>262</u>	SURFACE PRESSURE (PSIA)	<u>212</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>296.3</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>227.6</u>
<u>MV-Original</u>		<u>PC-Original</u>	
GAS GRAVITY	<u>0.705</u>	GAS GRAVITY	<u>0.668</u>
COND. OR MISC. (C/M)	<u>M</u>	COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.23</u>	%N2	<u>1.15</u>
%CO2	<u>0.84</u>	%CO2	<u>0.51</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
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BOTTOMHOLE TEMPERATURE (DEG F)	<u>124</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>99</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1099</u>	SURFACE PRESSURE (PSIA)	<u>999</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1271.7</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>1084.7</u>

mv

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Property ID: 8
Property Name: PRICHARD FEDERAL | 1 | 13179S-1
Table Name: S:\KGRAHAM\1999COMM\TEST.DBF

--DATE--	--CUM OIL- Bbl	---CUM GAS-- Mcf	M SIWHP Psi	
05/11/53		0	1087.0	original
07/24/70		3843085	598.0	
04/15/71		4002264	615.0	
06/27/72		4343264	492.0	
03/18/73		4561203	487.0	
07/11/74		4924294	451.0	
06/30/76		5375301	429.0	
00/02/78		5694805	463.0	
00/02/78		5694805	463.0	
00/02/78		5694805	463.0	
10/02/78		5817896	463.0	
04/30/80		6002249	410.0	
05/10/82		6189915	403.0	
07/10/84		6295528	399.0	
04/18/86		6404647	400.0	
03/17/89		6453476	427.0	
06/07/91		6459111	453.0	
05/03/93		6574029	304.0	
03/01/99		6984805	250	Current estimated from P/z data

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 Property ID: 9
 Property Name: PRICHARD FEDERAL | 1 | 22222A-1
 Table Name: S:\KGRAHAM\1999COMM\TEST.DBF

<u>--DATE--</u>	<u>--CUM OIL--</u> Bbl	<u>---CUM GAS---</u> Mcf	<u>M SIWHP</u> Psi
12/28/58		0	987.0 original
07/24/70		684003	570.0
06/27/72		789421	512.0
05/13/73		834332	499.0
07/11/74		885923	488.0
06/30/76		964932	357.0
00/02/78		1030028	380.0
00/02/78		1030028	380.0
00/02/78		1030028	380.0
10/02/78		1065573	380.0
04/30/80		1123875	341.0
05/10/82		1199092	341.0
07/10/84		1250295	353.0
03/01/99		1547349	200 current estimated from P/Z data