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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

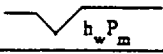
OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator <u>Chevron U.S.A.</u>					Lease or Unit Name <u>Bogle Flate Unit</u>				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date <u>8-4-97</u>		Well No. <u>16</u>		
Completion Date <u>4/10/97</u>		Total Depth <u>7304</u>		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge. <u>K 10-22-S 23-E</u>	
Csg. Size <u>7" 5/8</u>	Wt. <u>26#</u>	d <u>6.276</u>	Set At <u>6808</u>	Perforations: <u>Open Hole</u>			Country <u>Eddy</u>		
Tbg. Size <u>3 1/2</u>	Wt. <u>9.3</u>	d <u>2.992</u>	Set At <u>6750</u>	Perforations: From: <u>7188</u> To: <u>7304</u>			Pool <u>Indian Basin U/Penn</u>		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>Single</u>					Packer Set At <u>6750</u>		Formation <u>Upper Penn</u>		
Producing Thru <u>Tbg</u>		Reservoir Temp. °F <u>141.5</u>		Mean Annual Temp. °F <u>60°</u>		Baro. Press. - P. <u>13.2</u>		Connection	
L <u>6750</u>	H <u>6750</u>	Gg <u>.6296</u>	% CO ₂ <u>.507</u>	% N ₂ <u>.845</u>	% H ₂ S <u>0</u>	Prover <u>0</u>	Meter Run <u>4.026</u>	Taps <u>F/G</u>	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI									
1.	4.026 X	2.250	831	17"	72°	650		PKR	24 hrs
2.						450			24 hrs
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.		Readings	From	Total	Flow	Meter	3961
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	N/A	Mcf/bbl.
1.					A.P. I. Gravity of Liquid Hydrocarbons <td>N/A <td>Deg.</td> </td>	N/A <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>.6296</td> <td>XXXXXXXXXX</td>	.6296	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXX</td> <td></td>	XXXXXX	
4.					Critical Pressure 667 <td>P.S.I.A. <td>P.S.I.A.</td> </td>	P.S.I.A. <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature 364 <td>R <td>R</td> </td>	R <td>R</td>	R

$p_c 663.2$ $p_w^2 439.8$

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.	214.6	508.9	259.0	180.8
2.				
3.				
4.				
5.				

$$1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.432$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9.633$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.432$$

Absolute Open Flow <u>9.633</u>	Mcf/d @ 15.025	Angle of Slope θ <u>45°</u>	Slope, n <u>1.000</u>
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Remarks: _____

Approved By Division	Conducted By: <u>Pro Well Testing</u>	Calculated By: <u>M.B.</u>	Checked By: <u>R.M.</u>
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