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appropriate district office
See Rule 401 & Rule 1122

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator CHEVRON USA						Lease or Unit Name BOGLE FLATS UNIT					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-16-96		Well No. 18			
Completion Date 5-20-96		Total Depth 7257		Plug Back TD 7257		Elevation		Unit Ltr. - Sec. - TWP - Rge. G 16-22S-23E			
Csg. Size 7"	Wt. 26#	d 6.276	Set At 7166	Perforations: OPEN HOLE				County EDDY			
Tbg. Size 3 1/2	Wt. 9.3	d 2.992	Set At 7077	Perforations:				Pool Indian Basin U/Penn			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At 7055		Formation UPPER PENN			
Producing Thru TBG		Reservoir Temp. °F 144.8		Mean Annual Temp. °F 60°		Baro. Press - P _a 13.2		Connection SALES			
L 7077	H 7077	Gg ,629	% CO ₂ .507	% N ₂ ,845	% H ₂ S -0-	Prover -0-	Meter Run 4.026	Taps FLG			

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.	Temp. °F	
SI						610				27 hrs.
1.	4.026 X 2.000			READING FROM TOTAL METER						
2.						440				24 hrs.
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							3778
2.		READINGS FROM TOTAL FLOW METER					
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					151.120	
2.					61.8	Deg.
3.					.629	XXXXXXXXXX
4.					N/A	XXXXXX
5.					N/A	N/A
					673	P.S.I.A. 673
					364	P.S.I.A. 368

P _c 623.2		- P _c ² 388.4	
NO.	P _i ²	P _w	P _w ²
1.	205.4	497.7	247.7
2.			
3.			
4.			
5.			

1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2,761}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{10,430}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2,761}$

Absolute Open Flow	10,430	Mcf/d @ 15.025	Angle of Slope θ	45°	Slope, n	1.000
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Remarks: **WELL MADE 25 BBLs OF CONDENSATE API GRAVITY 61.8**

Approved By Division	Conducted By: PRO WELL TESTER	Calculated By: MB	Checked By: BM
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