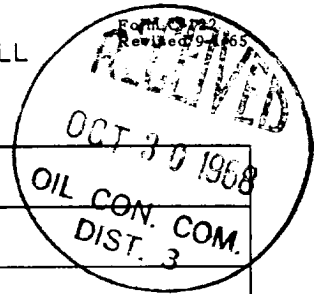


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-22-68	
Company Jerome P. McHugh				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date 10-12-68		Total Depth 7745		Plug Back TD 7770	
Elevation		Farm or Lease Name Jicerilla			
Csg. Size 4 1/2"	Wt. 10.5"	d	Set At 7745	Perforations: From 7526 To 7699	
Tbg. Size 1 1/4"	Wt. 2.4"	d	Set At 7666	Perforations: From Open End To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None	
Producing Thru 7666		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	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							2210		2371	
1.										
2.	34" pos. 3/4"			110		62°			1037	3 Hrs.
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2	12.365		122	.9991	.9607	1.012	1464
3							
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 2913	P _c ² 8,485,689	
NO.	P _t ²	P _w
1		
2	1051	1,131,241
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2415$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1722$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1761$

Absolute Open Flow	1722	Mcf @ 15.025	Angle of Slope °	Slope, n .75
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Remarks:

Approved By Commission:	Conducted By: Dugan	Calculated By: J. S. ...	Checked By:
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