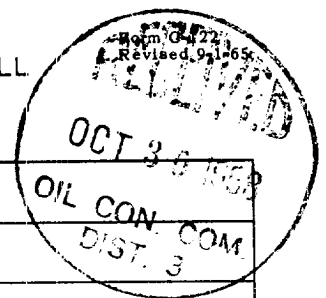


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-22-68	
Company Jerome P. McHugh				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date 10-14-68		Total Depth 7725		Plug Back TD 7690		Elevation Farm or Lease Name Jicorilla
Csg. Size 4 1/2	Wt. 10.5	d	Set At 7726	Perforations: From 7497 To 7666		Well No. 7
Tbg. Size 1 3/4	Wt. 2.4	d	Set At 7649	Perforations: From Open End To		Unit Sec. Twp. Rge. D 32 26N 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At None		County Rio Arriba
Producing Thru 769		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico
L	H	Gg	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							2370		2422	
1.										
2.	3/4 in. choke			172		22°			1434	3.2 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 Fg	Super Compress. Factor, F _{cv}	Rate of Flow Q, Mcfd
1							
2	12.365		184	.9921	.9608	1.017	2221
3							
4							
5							

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

P _c 2434	P _c ² 5,924,756			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		1446		
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.5154}{}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.3960}{}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3072$$

Absolute Open Flow	3072	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved By Commission:	Conducted By: <i>Don</i>	Calculated By: <i>J. P. G.</i>	Checked By:
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