

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-2-70	
Company Jarome P. McHugh		Connection	
Pool So. Blanco. P. C.		Formation Pictured Cliffs	
Completion Date 6-15-70		Total Depth 2295	Plug Back TD 2286
Elevation 6167 GR.		Farm or Lease Name Hammond	
Csq. Size 4 1/2"	Wt. 9.5#	d 2292	Set At 2292
Perforations: From 2218 To 2266		Well No. 2	
Tbg. Size 1 1/2"	Wt. 2.4#	d 1.380	Set At 2266
Perforations: From Open End To		Unit Sec. Twp. Rge. P 34 27N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At	
Producing Thru Tbg.		County San Juan	
Reservoir Temp. *F @		Mean Annual Temp. *F	
Baro. Press. - P _a		State New Mexico	
L	H	Gq .62	% 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							538		707	
1.										
2.	3/4" pos. ok.			1		60			70	
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, Fpv	Rate of Flow Q, Mcfd
1							
2	12.36		13	1.000	.9837	1.000	158
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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	719	516,961		
2		82	6724	510,237
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0132}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0111}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{160}$

Absolute Open Flow 160 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
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Remarks: **Making spray of water throughout test**

Approved By Commission:	Conducted By: Jacobs	Calculated By: Jacobs	Checked By:
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