

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

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-2-77			
Company Jerome P. McHugh				Connection					
Pool Blanco Mesaverde				Formation Mesaverde				Unit	
Completion Date 8-10-77		Total Depth 6200'		Plug Back TD 6160'		Elevation 6997' GR		Farm or Lease Name Chris	
Csg. Size 4-1/2"	Wt. 10.5#	d	Set At 6199' RKB	Perforations: From 5906' To 6084'		Well No. 1A			
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 6073' RKB	Perforations: From Open End To		Unit Sec. Twp. Rge. F 15 27N 3W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County Rio Arriba	
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g .65	% 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.		Temp. °F
SI							1710		1720		7 days
1.											
2.											
3.	3/4" Pos Choke			250			430			68°	3 hrs
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							
3	12.365		262	.9924	.9608	1.025	3166
4							
5							

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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot .75}$
1						
2						
3		442	195364	2804460		
4						
5						

Absolute Open Flow 3329 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: This well was tested through the casing due to freezing problems while trying to test through the tubing.

Approved By Commission:	Conducted By: Charles Hall	Calculated By: Charles Hall	Checked By:
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