

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-1-71	
Company Jerome P. M. ...				Connection		
Pool Undesignated				Formation Fruitland-Pitman		Unit
Completion Date 12-30-70		Total Depth 1265		Plug Back TD 1222		Elevation 5475-Gr.
Casing Size 2 7/8		Wt. 6.5		Set At 1248		Perforations: From 1153 To 1158
Thru Size None		Wt.		Set At		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - G.G.					Packer Set At -	
Producing Thru Csg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g
L 1153		H		G _g 0.62		% 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.	Temp. °F	
SI									268		
1.											
2.											
3.	2"		5/8"	116							62° 3 hours
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.	8.5417		128	0.9981	0.9837	1.011	1085
4.							
5.							

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

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.				
2.				
3.	16,384		12,814	
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3157$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1370$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n'85} = 1.2626$

Absolute Open Flow <u>1370</u> Mcfd @ 15.025		Angle of Slope @ _____
Remarks: _____		

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