

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 5-16-81	
Company Curtis J. Little				Connection El Paso			
Pool Ballard				Formation Pictured Cliff			
Completion Date 5-8-81		Total Depth 2250		Plug Back TD 2250		Elevation 6263	
Csg. Size 2.875		Wt. 6.5		Set At 2.441		Set At 2255	
Perforations: From 2171 To 2222		Well No. 1		Perforations: From To		Unit Sec. Twp. Rge. P 19 26N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single/Gas		Packer Set At None		County Rio Arriba		State New Mexico	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F 12 est.		Baro. Press. - P _a 12 est.	
L H G _g .650		% 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
1	8 days								400		
1.	2 inch		.750						47	60	3 hrs.
2.											
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	12.3650		59	1.0000	.9608	1.007	706
2.							
3.							
4.							
5.							

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

P _c 412 P _w 2169744 NO. P _i ² P _w P _w ² P _c ² - P _w ² 1 3481 71 4986 164758 2 Calculated 3 4 5					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0303$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.02566$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 724$	
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Absolute Open Flow 724 Mcfd @ 15.025		Angle of Slope ° Slope, n .85	
Remarks: Dry gas throughout test			
Approved By Commission:		Conducted By: Joe Elledge	
Calculated By: Joe Elledge		Checked By: Curtis J. Little	