

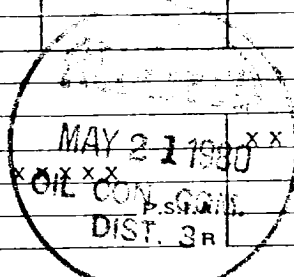
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-16-81				
Company Curtis J. Little				Connection El Paso					
Pool Ballard				Formation Pictured Cliff				Unit	
Completion Date 5-8-81		Total Depth		Plug Back TD 2244		Elevation 6631		Farm or Lease Name Grevey	
Csg. Size 2.875	Wt. 6.5	d 2.441	Set At 2254	Perforations: From 2166 To 2212			Well No. 1		
Thg. Size Slim	Wt. Hole	d	Set At	Perforations: From To			Unit Sec. Twp. Rys. G 19 26N 7W		
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single/Gas					Packer Set At None		County Rio Arriba		
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12 est.		State New Mexico	
L	H	Gg .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
SI	8 days								552		
1.	2 inch	.750							42	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		54	1.0000	.9608	1.007	646
2.							
3.							
4.							
5.							

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



P _c 564	P _c ² 318096				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01326$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.01125$
NO. 1	P _i ² 2916	P _w 65	P _w ² 4163	P _c ² - P _w ² 313933		
2	Calculated					
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 653$

Absolute Open Flow 653	Mcf/d @ 15.025	Angle of Slope @	Slope, n .85
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Remarks:

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Curtis J. Little
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