

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 1-31-77			
Company W. P. Carr				Connection					
Pool Blanco - Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date 1-22-77		Total Depth 2875'		Plug Back TD 2778'		Elevation 5939' GR		Farm or Lease Name Larcher	
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 2857'	Perforations: From 2690' To 2759'				Well No. 4	
Tbg. Size	Wt.	d	Set At	Perforations: From To				Unit F	Sec. 7
								Twp. 31N	Rge. 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover		Meter Run	Taps
		.62							

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									740		7 days
1.											
2.											
3.	1/2" Pos Choke								217	52°	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.	5.4315		229	1.008	.9837	1.000	1233
4.							
5.							

NO.	P _i	Temp. *R	T _f	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

P _c 752	P _c ² 565,504		
NO.	P _i ²	P _w	P _w ²
1			
2			
3	52,441		57,781
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1138$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1351$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0959$

Absolute Open Flow	1351	Mcf/d @ 15.025	Angle of Slope θ	COM	Slope, n .85
Remarks:					

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