

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 1-31-77				
Company W. P. Carr				Connection					
Pool Blanco Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date 1-22-77		Total Depth 2735'		Plug Back TD 2559'		Elevation 5826' GR		Farm or Lease Name Larcher	
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 2707'	Perforations: From 2582' To 2636'				Well No. 3	
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 2593'	Perforations: From Open Ended To				Unit Sec. Twp. Rge. N 7 31N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							990		990		7 days
1.											
2.											
3.	5/8" Pos Choke						101.5	620	298		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		113.5	.9981	.9837	1.000	952
4							
5							

NO.	P _r	Temp. °R	T _r	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 1002 P _c ² 1,004,004		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1058$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0893$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3		310	96,100	907,904	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1037$
4					
5					

Absolute Open Flow 1037		Mcf/d @ 15.025		Angle of Slope _____	
Remarks: _____					

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