

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 1-13-76	
Company R & G Drilling Co.				Connection Waiting on Pipeline	
Pool Blanco M. V.				Formation Mesa Verde	
Completion Date 12-19-75		Total Depth 4660		Plug Back TD 4619	
				Elevation 5942 KB	
Csg. Size 5-1/2		Wt. 15.50		d 4.950	
Set At 4660		Perforations: From 4424 To 4576		Well No. 42 - A	
Thg. Size 1.990		Wt. 2.75		d 1.610	
Set At 4379		Perforations: From Open To Ended		Unit C Sec. 22 Twp. 27N Rge. 8W	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual				Packer Set At 3300	
Producing Thru Tubing		Reservoir Temp. °F -		Mean Annual Temp. °F 60	
				Baro. Press. - P _a 12.0	
L 4379		H 4379		Gg 0.600	
				% CO ₂ -	
				% N ₂ -	
				% H ₂ S -	
				Prover -	
				Meter Run -	
				Taps -	
Farm or Lease Name Marron					
County San Juan					
State New Mexico					

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	
1.	3/4" THG						920				8 da.
2.							110				3 hrs.
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		122	1.0000	1.0000	1.0000	1509
2.							
3.							
4.							
5.							

NO.	P _t	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 932	P _c 2868.264	
NO.	P _t ²	P _w ²
1.	305	133.225735.039
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1813$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.709$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1331$

Absolute Open Flow 1,709 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.75
Remarks: Calculated Pw - 365 psia		
Approved By Commission:	Conducted By: Bob Dintlemen	Calculated By: Ewell N. Walsh
		Checked By: