

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 9/8/75	
Company Southern Union Production Co.				Connection Southern Union Gathering Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 8/29/75		Total Depth 5810		Plug Back TD 5767		Elevation 6509 Gr.	
Casing Size 7.000 4.500		Wt. 23.00 10.50		Set At 3530 3372-5810		Perforations: From 5532 To 5667	
Tbg. Size 2.0625		Wt. 3.25		Set At 5610		Perforations: From 5604 To 5610	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a 12	
L 5592		H		Gg 0.700		% 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	2"		3/4"				368		367		10 Days
1.							81	59	316		3 Hours
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		93	1.0010	0.9258	1.000	1066
2.							
3.							
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 380	P _c ² 144,400	
NO.	P _r ²	P _w
1		328
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9222$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.7870$	
AOP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2971$			

Absolute Open Flow 2971	Mcfd @ 15.025	Angle of Slope @ _____	Slope n 0.75
Remarks: _____			

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By:
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