

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 10-9-80	
Company El Paso Exploration Company				Connection Northwest Pipeline			
Pool S. Blanco				Formation Peitured Cliff		Unit	
Completion Date 8-27-80		Total Depth 6128'		Plug Back TD 6105'		Elevation 6959 GR	
Csg. Size *7.00"		Wt. 20.0#		Set At 3850		Perforations: From 3478' To 3581'	
Thg. Size 1.660		Wt. 2.90		Set At 3574		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 3635'	
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L		H		Gg 0.670		% 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							1019		1016		43 Days
1.	3/4" Choke			267		64	283				3 Hr.
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	12.365		279	0.9962	0.9463	1.029	3346
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P_c 1031 P_c² 1,062,961

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		295	87,025	975,936
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0892$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0662$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3567$

Absolute Open Flow	3,567	Mcf/d @ 15.025	Angle of Slope @	Slope, n 0.85
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Remarks: * 4 1/2" Liner 3692 to 6128'
 No Liquids, Gas Vented - 558 MCF.

Approved By Commission:	Conducted By: Lyle Nation	Calculated By: Bill Clark	Checked By:
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