

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Test Type: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date: 3-27-81	
Company: BLANCO PC			Connection: EPNG		
Completion Date: 3-16-81			Total Depth: 2477.		Plug Back TD: 2429.
Elevation: 5662.			Farm or Lease Name: STATE COM AF		
Sp. Size: 4.500	Wt.: 10.5	ID: 4.052	Set At: 2477.	Perforations: From 2362. To 2393.	
Reg. Size: 1.990	Wt.: 2.8	ID: 1.610	Set At: 2408.	Perforations: From 0. To 0.	
Type Well - Single - Brodenhead - G.C. or G.O. Multiple				Packer Set At: 0.	
Flowing				County: SAN JUAN	
Producing Thru: TUBING		Reservoir Temp. °F: 108.	Mean Annual Temp. °F: 60.0	Baro. Press. - P _{atm} : 12.2	
L: 2373.	H: 2378.	G _g : 0.673	% CO ₂ : 0.	% N ₂ : 0.	% H ₂ S: 0.
Prover: 0.		Meter Run: 0.		Taps:	

NO.	FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
	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	
1.	1.61	X	0.750	60.	0.	55.	60.	55.	0.	0.	3.0
2.											
3.											
4.											
5.											

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Fl.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow
							Q, Mcfd
1.	11.22	0.	72.2	1.0048	1.2190	1.0081	1001.
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.11	515.	1.35	0.984	0.	0.
					A.P.I. Gravity of Liquid Hydrocarbons	0.
					Specific Gravity Separator Gas	0.673
					Specific Gravity Flowing Fluid	0.673
					Critical Pressure	669. P.S.I.A.
					Critical Temperature	381. R

P_1^2 0.	P_w^2 187.	P_c^2 35.	$P_c^2 - P_w^2$ 188.	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1965$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1360$
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1138.$					

Absolute Open Flow: 1138 Mcfd @ 15.025 Angle of Slope θ: 53.1 Slope, n: 0.750

Remarks:

Approved By Commission:	Conducted By: James Archer	Calculated By: Garrett-AOF Program	Checked By: John Benton
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