

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: 9-22-76	
Company: Tenneco Oil Company				Connection:	
Prod: Blanco				Formation: Mesa Verde	
Completion Date: 9-14-76		Total Depth: 4925'		Plug Back TD: 4875'	
				Elevation: 5820' GL	
Farm or Lease Name: Florance					
Csg. Size: 4-1/2"	Wt. 10.5#	d	Set At: 4922	Perforations: From 4870' To 4623'	
Well No. 20-A					
Tbg. Size: 2-3/8"	Wt. 4.7#	d	Set At: 4854	Perforations: From 4536' To 4186'	
Unit: J Sec. 24 Twp. 30N Rge. 9W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: None Set	
Producing Thru: Tubing				County: San Juan	
Reservoir Temp. °F @		Mean Annual Temp. °F		State: New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
		.680			
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							625		625		
1.	2x6x.75			215			215	48	490		3 Hrs.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		227	1.012	1.213	1.028	3151
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.34	508	1.32	.947	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	
3					Specific Gravity Flowing Fluid	
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 637	P _c ² 405769	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6389$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0704$
NO.	P _r ²	P _w	P _w ²
1	51529	502	252004
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6536$

Absolute Open Flow: 6536 Mcfd @ 15.025	Angle of Slope θ	Slope, n: .75
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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