

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 2-6-76	
Company Tenneco Oil Co.				Connection			
Pool Blanco Mesa Verde				Formation Blanco Mesa Verde		Unit J	
Completion Date 2/3/76		Total Depth 7050'		Plug Back TD 6675'		Elevation 5817' GL	
Csq. Size 4 1/2"	Wt. 10.5	d	Set At 7050'	Perforations: From 4229 To 5012		Well No. 9-A	
Thq. Size 2 3/8"	Wt.	d	Set At 5031'	Perforations: From To		Unit Sec. Twp. Rye. J 13 30N 9W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None set		County San Juan	
Producing Thru tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H	G _g .680	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	2 x .750			140		50	140		540		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. Ft.	Gravity Factor F _g	Super. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.	11		152	1.010	1.213	1.019	2087
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.2272	510	1.3248	.964	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 552	P _c ² 304704		
NO.	P _t ²	P _w	P _w ²
1	23104	460	211600
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.2727$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4332$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5078$$

Absolute Open Flow	5078	Mcf/d @ 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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