

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 7/14/76	
Company Tenneco Oil Company				Connection			
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit I	
Completion Date 7/13/76		Total Depth 5610'		Plug Back TD 5545'		Elevation 6344' GL	
Farm or Lease Name Pritchard		Well No. 2-A					
Cs. Size 4 1/2"	Wt. 10.5#	d 	Set At 5608'	Perforations: From 5518' To 5388'		Unit Sec. Twp. Rge. I. 1. 30N. 9W.	
Thq. Size 2 3/8	Wt. 4.7#	d 	Set At 5425'	Perforations: From 5158' To 4910'		Unit Sec. Twp. Rge. I. 1. 30N. 9W.	
Type Well - Single - Broadhead - G.C. 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 State New Mexico	
L	H	G _g .680	% 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							287		287		
1.	2X.750			75		60°	75		245		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. °F	Gravity Factor F _g	Super Compress. Factor, F _{py}	Rate of Flow Q, Mcfd
1	11		87	1.00	1.213	1.01	1172
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	0.130	520	1.350	.981	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1	7569	257	66049	23352
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 3.8284$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.7369$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3208$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n _____
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Remarks: _____

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