

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 6-23-77			
Company Tenneco Oil Company				Connection					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 6-12-77		Total Depth 4821'		Plug Back TD 4770'		Elevation 5853' GL		Farm or Lease Name Pritchard	
Csg. Size 4-1/2"	Wt. 10.5#	d	Set At 4820'	Perforations: From 4410' To 4753'				Well No. 3-A	
Tbg. Size 2-3/8"	Wt. 4.7#	d	Set At 4708'	Perforations: From 3929' To 4351'				Unit Sec. Twp. Rge. P, 31, 29N, 8W	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single				Packer Set At None				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.	
SI							558		861	
1.	2x6x.75			202		62	202	62	623	
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		214	.9981	1.213	1.0243	2919
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.32	522	1.36	.953	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 873	P _c ² 762129					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1235$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7592$
1		635	403225	358904		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5135$			
Absolute Open Flow 5135		Mcf/d @ 15.025	
Angle of Slope θ		Slope, n .75	
Remarks:			
Approved By Commission:		Conducted By:	
		K. Jenkins	
Calculated By:		Checked By:	