

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 8-6-76	
Company Tenneco Oil Company				Connection			
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit F	
Completion Date 7/29/76		Total Depth 5055'		Plug Back TD 5001'		Elevation 5760'	
Farm or Lease Name Florance							
Csq. Size 4-1/2"	Wt. 10.5	d	Set At 5046'	Perforations: From 4842' To 4713'		Well No. 32 A	
Tbg. Size 2-3/8"	Wt. 4.7	d	Set At 4855	Perforations: From 4852' To 4315'		Unit Sec. Twp. Rge. F, 15, 30N, 8W	
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		State New Mexico	
L	H	Gg .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							547		594	
1.	2x.750		153				153	58°F	463	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		165	1.002	1.213	1.010	2248
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.	.2466	518	1.3454	.964	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ X X X X X X X X	
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	

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	606	367236				2.5933	2.0436
2	27225	475	225625	-141611			
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4594$

Absolute Open Flow 4594 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n $\frac{1}{.75}$	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By:	