

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 3-24-77				
Company Tenneco Oil Company				Connection					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 3/17/77		Total Depth 5674'		Plug Back TD 5663'		Elevation 6251'		Farm or Lease Name Moore	
Csg. Size 4 1/2"	Wt. 10.5#	d	Set At 5674'	Perforations: From 5551' To 5299'		Well No. 4-A			
Tbg. Size 2-3/8"	Wt. 4.7#	d	Set At 5554'	Perforations: From 5160' To 4758'		Unit Sec. Twp. Rge. P 5 30N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At Noen Set		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		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.	Temp. °F	
SI							413		553		
1.	2x6x.75			164		53	152		493		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		164	1.007	1.213	1.0193	2246
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	0.25	513	1.33	.9624	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

$P_c = 565$ $P_c^2 = 319225$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 4.97$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.3298$
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7479$	
1		505	255025	64200		
2						
3						
4						
5						

Absolute Open Flow 7479 Mcfd @ 15.025		Angle of Slope θ Slope, n 1.75	
Remarks:			
Approved By Commission:		Conducted By:	
		Calculated By: J. D. Hicks	
		Checked By:	