

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 12-1-55

Pool Blanco Pictured Cliffs			Formation Pictured Cliffs			County San Juan				
Initial I		Annual		Special		Date of Test 8-14-1966				
Company Tenneco Oil Co.			Lease Florance			Well No. 81				
Unit J	Sec. 14	Twp. 30	Range 9		Purchaser					
Casing 3.5	Wt.	I.D.	Set at 2799		Perf. 2672		To 2704			
Tubing	Wt.	I.D.	Set at		Perf.		To			
Gas Pay:	From	To	L	G	GL	Bar. Press.				
				.650	1737	12.0				
Producing Through:		Casing I	Tubing			Type Well - Single - Braden head - G.G. or G.O. Dual Single				
Date of Completion		Packer			Reservoir Temp. 104					
OBSERVED DATA										
Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4						1003		3 hr.
2.								106	60	
3.										
4.										
5.										
FLOW CALCULATIONS										
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia			
1.	12.3650		118	1.000	.9608	1.012	1422			
2.										
3.										
4.										
5.										
PRESSURE CALCULATIONS										
Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____					
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____					
F _c 3.055 (1-e ^{-S}) 0.119					P _c 1015 P _c ² 103025					
No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	P _w /P _c	
1.	118	13924	4344	18870	2246	16170	1014055			
2.										
3.										
4.										
5.										

ABSOLUTE POTENTIAL: **1441** MCFPD; n **.85** **1.0134**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Bx. 2714, Durango, Colorado** COMPANY _____

AGENT AND TITLE **J. E. Massey**
District Production Engineer

