

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

Form C-122
Revised 12-1-55

Pool <i>Blanco</i>			Formation Pictured Cliffs			County San Juan		
Initial X		Annual		Special		Date of Test 11-2-65		
Company Tenneco Oil Co.			Lease Florance			Well No. 54		
Unit 0	Sec. 22	Twp. 30N	Range 9W		Purchaser			
Casing 3 1/2	Wt. 7.7	I.D.	Set at 2833		Perf. 2703	To 2732		
Tubing No	Wt.	I.D.	Set at		Perf.	To		
Gas Pay:	From	To	L	G	GL	Bar. Press.		
				.65	1757	12.0		
Producing Through:		Casing X	Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion		Packer			Reservoir Temp. 94			

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.	
SI								700		
1.		3/4						253	55	
2.										
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		265	1.0048	.9608	1.029	2633
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 3.068 (1-e ^{-S}) 0.120	P _c 712 P _c ² 50694

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.	265	70225	8.078	65.254	7830	78055	428889		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 3035 MCFPD; n .85 (1.1526)

COMPANY Tenneco Oil Company WITNESSED _____

ADDRESS P. O. Box 1714 - Durango, Colorado COMPANY _____

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

