

W MEXICO OIL CONSERVATION COMMITTEE
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Well <i>Blanco</i>		Formation Pictured Cliffs		County San Juan	
Initial X		Annual		Special	
Company Tenneco Oil Co.		Lease Flarance		Date of Test 11-23-65	
Well No. 47 X		Range		Purchaser	
Unit G	Sec. 5	Twp. 30N	Range 2W	Purchaser	
Casing 7 & 1/2	Wt. 20.0	I.D.	Set at 3400	Perf. 3002	To 3014
Tubing 1.5	Wt. 10.5	I.D.	Set at 3272-5495	Perf.	To
From	To	L	G	GL	Bar. Press.
Gas Pay:			.650	1972	12.0
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual	
Date of Completion		Packer	X	Reservoir Temp.	
				Dual Gas	

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				943				3 Hr.
2.						114	60			
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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		128	1.0000	.9608	1.013	1546
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 **16.46** (1-e^{-S}) **0.134** P_c **955** P_c² **912025**

No.	$\frac{P_w}{P_t}$ 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	$\frac{P_w}{P_c}$
1.	128	16384	25.447	647.550	86.772	103.156	808869	321	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1712** MCFPD; n **.85 (1.1074)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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