

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

Form C-122
 Revised 12-1-55

Tool Undesignated		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
			.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.										

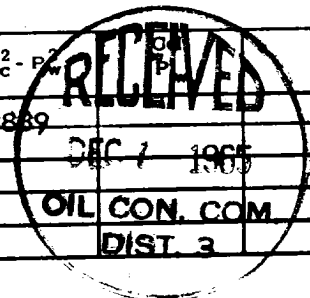
FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 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_c² **506944**

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	$\frac{P_w}{P_c}$
1.	265	70225	8.078	65.254	7830	78055	428869	
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**
District Production Engineer