

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

Form C-122
Revised 12-1-55

Pool Undesignated		Formation Pictured Cliffs		County San Juan	
Initial I		Annual		Date of Test 5-6-66	
Company Tenneco Oil Co.		Lease Florance		Well No. 85	
Unit B	Sec. 23	Twp. 29	Range 9	Purchaser	
Casing 3.5	Wt. 7.7	I.D. 3.068	Set at 2445	Perf. 2393	To 2433
Tubing	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L	G .650	GL 1555
				Bar. Press. 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. 102	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps				
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (1 in) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.
1.		3/4						954		3 Hr.
2.								136	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		148	1.000	.9608	1.015	1781
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}) **0.107** P_c **966** P_c² **933156**

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.	148	21904	5441	29604	3163	25072	908084		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1823** MCFPD; n **.85** **1.0234**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

