

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

Form C-122

Revised 12-1-55

Pool Basin Dakota			Formation Dakota			County San Juan		
Initial I		Annual		Special		Date of Test 5-11-66		
Company Tenneco Oil Co.			Lease Michener			Well No. 1		
Unit E	Sec. 28	Twp. 28	Range 9		Purchaser			
Casing 4.5	Wt.	I.D.	Set at 6850		Perf. 6584		To 6747	
Tubing 2.378	Wt.	I.D.	Set at 6741		Perf.		To	
Gas Pay:	From	To	L	G 650	GL	Bar. Press. 12.0		
Producing Through:		Casing	Tubing I		Type Well — Single — Braden head — G.G. or G.O. Dual Single			
Date of Completion		Packer		Reservoir Temp. 186				

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				1843		1920		
2.						363	60	1241		3 Hr.
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		375	1.000	.9608	1.040	4637
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 _____ (1-e^{-S}) _____ P_c **1932** P_c² **3732624**

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.	1253					1570009	2162615		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **6982** MCFPD; n **.75** **1.5058**

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

