

**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 Rio Arriba	
Initial X		Annual		Special	
Company Tenneco Oil Co.		Lease Jicarilla B		Date of Test 5-31-66	
Unit K		Sec. 21		Twp. 26	
Casing 4.5		Wt. 10.5		I.D. 5	
Tubing 2.375		Wt. 4.7		I.D. 7590	
From		To		GL	
Gas Pay:		.650		Bar. Press.	
Producing Through:		Casing		Tubing ☒	
Date of Completion		Packer		Reservoir Temp. 176	
Type Well - Single - Braden head - G.G. or G.O. Dual		Single			

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				1732		2374		3 Hr.
2.						442	60	937		
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		454	1.000	.9608	1.048	5651
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 _____

P_c _____ (1-e^{-S}) P_c **2386** P_c^2 **5692996**

No.	P_w 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
1.	949					900601	4792395	
2.								
3.								
4.								
5.								

ABSOLUTE POTENTIAL: **6429** MCFPD; n **.75** **1.1377**

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

