

**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 I		Annual		Special	
Company Tenneco Oil Co.		Lease Reames A		Well No. A-1	
Unit B	Sec. 24	Twp. 26	Range 6	Purchaser	
Casing 4.5	Wt. 10.5	I.D.	Set at 7612	Perf. 7292	To 7522
Tubing 2.375	Wt. 4.7	I.D.	Set at 7500	Perf.	To
Gas Pay:	From	To	L	G .650	GL Bar. Press. 12.0
Producing Through:		Casing	Tubing ☒	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer		Reservoir Temp. 180	

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.						2355		2364		
2.		3/4				623	60	1615		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 P.D. @ 15.025 psia
1.	12.3650		635	1.000	.9608	1.073	8099
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 **2376** P_c² **5645376**

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.	1627					2647129	2996247		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **13018** MCFPD; n **.75** **1.6074**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 9714, Durango, Colorado** COMPANY _____

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

