

**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 1-23-66		
Company Tenneco Oil Co.			Lease Newberry A			Well No. #-3		
Unit 8 D	Sec. 34	Twp. 32	Range 12		Purchaser			
Casing 4.5	Wt.	I.D.	Set at 7354		Perf. 7082	To 7284		
Tubing 2.375	Wt.	I.D.	Set at 7222		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 Gas			
Date of Completion		Packer			Reservoir Temp.			

OBSERVED DATA

Borehole Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
	(Prover) (1 in. or Size)	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4				2362		1957		
2.						346	85	1152		3 Hr.
3.										
4.										
5.										

FLOW CALCULATIONS

	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 PD @ 15.025 psia
1.	12.3650		358	.9768	.9608	1.032	4291
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 **2374** P_c² **5635876**

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.	1164					1354896	4280980		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5274** MCFPD; n **.75** **1.2290**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

