

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

Form C-122
Revised 12-1-55

Pool Blanco Mesaverde			Formation Mesaverde			County San Juan		
Initial A		Annual		Special		Date of Test 11-3-65		
Company Tenneco Oil Co.			Lease Florance			Well No. 47		
Unit G	Sec. 5	Twp. 30N	Range 9E		Purchaser			
Casing 7 4.7	Wt. 20 10.5	I.D.	Set at 3400 3292-5495		Perf. 4648		To 5365	
Tubing 2 5/8	Wt. 4.7	I.D.	Set at 4570		Perf.		To	
Gas Pay:	From	To	L	G	GL	Bar. Press.		
				.65	2971	12.00		
Producing Through:			X		Dual Gas			
Date of Completion		Packer		Reservoir Temp.				
		4570						

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				885		Plr					
2.						420	70	Plr		3 Hr			
3.													
4.													
5.													

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{P_w - P_t}$	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		433	.9905	.9608	1.043	5317
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 **.9402** (1-e⁻⁵) **0.194** P_c **897** P_c² **804609**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁵)	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{F_w}{F_c}$
1.	433	187.489	49.990	2499.000	484.806	672.295	132314		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **20590** MCFPD; n **.75 (3.8724)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

