

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

Form C-122
Revised 12-1-55

Pool			Formation MESA VERDE			County Rio Arriba		
Initial I		Annual		Special		Date of Test 9-8-66		
Company Tenneco Oil Company			Lease Hearilla			Well No. #1		
Unit F	Sec. 24	Twp. 26	Range 5		Purchaser			
Casing 4 1/2	Wt.	I.D.	Set at 7680		Perf. 4843	To 4920		
Tubing 2 1/16	Wt.	I.D.	Set at 6809		Perf.	To		
Gas Pay:	From	To	L	G .650	GL 3148	Bar. Press. 12.0		
Producing Through:			Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Dual Gas			
Date of Completion		Packer 6809			Reservoir Temp.			

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.								1214	60	3 hr.
2.								174		
3.										
4.										
5.										

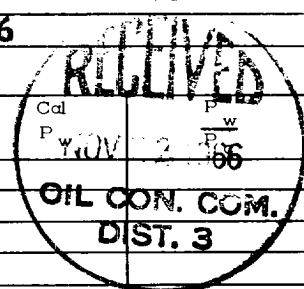
FLOW CALCULATIONS

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		186	1.000	.9608	1.020	2250
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 **3.861** (1-e^{-S}) **0.205** P_c **1226** P_c² **1503076**

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 10V	P _w 10V
1.	186	34596	8687	75464	15470	50066	1453010		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **2308** MCFPD; n **.75** **1.0257**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 1714, Durango, Colo.** COMPANY _____

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