

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

Form C-122
Revised 12-1-55

Pool Blanco Pictured Cliffs		Formation Pictured Cliffs		County San Juan	
Initial I		Annual		Date of Test 9-4-66	
Company Tenneco Oil Company		Lease Riddle		Well No. 7	
Unit L	Sec. 17	Twp. 30	Range 9	Purchaser	
Casing 3.5	Wt.	I.D.	Set at 2916	Perf. 2802	To 2822
Tubing	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L .650	G 1821	GL 12.0
Producing Through:		Casing I	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas	
Date of Completion		Packer		Reservoir Temp. 106	

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.								890		3 hr.
2.								239	60	
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		301	1.000	.9608	1.031	3685
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 **3.055** $(1-e^{-S})$ **0.124** P_c **902** P_c^2 **813604**

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	$\frac{P_w}{P_c}$
1.	301	90601	11258	126743	15376	105977	707627		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4149** MCFPD; n **.85** **(1.1259)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

