

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 X		Annual		Special		Date of Test 6-20-66		
Company Tenneco Oil Co.			Lease Jicarilla "B"			Well No. 4		
Unit H	Sec. 21	Twp. 26	Range 5		Purchaser			
Casing 5.5	Wt.	I.D.	Set at 7539		Perf. 7204	To 7446		
Tubing 2 1/16	Wt.	I.D.	Set at 7170		Perf.	To		
Gas Pay:	From	To	L	G	GL	Bar. Press.		
				.650	4661	12.0		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Dual Gas			
Date of Completion		Packer		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.		3/4				2450		PKR		3 Hr.
2.						498	60	PKR		
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		510	1.000	.9608	1.051	6368
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 **13.239** (1-e^{-S}) **0.287** P_c **2462** P_c² **6061444**

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.	510	260100	84306	7107502	2039853	2299953	3761491	1517	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **9108** MCFPD; n **.75** **14302**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

