

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 X		Annual		Special		Date of Test 10-7-65		
Company Tenneco Oil Co.			Lease Florance			Well No. 22		
Unit	Sec. 12	Twp. 29 N	Range 9 W		Purchaser			
Casing 4 1/2	Wt.	I.D.	Set at 7245		Perf. 6977	To 7215		
Tubing 2 3/8	Wt. 4.7	I.D.	Set at 6910		Perf.	To		
Gas Pay:	From	To	L	G .650	GL 4492	Bar. Press. 12.0		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Dual Gas			
Date of Completion		Packer 6910			Reservoir Temp. 197			

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.	
SI						2081				
1.		3/4				88	70			3 hr
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _f	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15.025 psia
1.	12.3650		100	.9905	.9608	1.009	1196
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 **9.402** (1-e^{-S}) **0.279** P_c **2093** P_c² **4380649** DIST. 3

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.	100	10.000	11.245	126.450	35.278	15.278	4335371	213	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1205** MCFPD; n **.75 (1.0077)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

