

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

Form C-22
Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County San Juan	
Initial X	Annual	Special	Date of Test 8-17-65		
Company Tenneco Oil Co.		Lease Florance		Well No. 8 55 SEP	
Unit N	Sec. 14	Twp. 30 N	Range 9W	Purchaser	
Casing 4.5	Wt. 10.5	I.D. 4.026	Set at	Perf. 7216	To 7438
Tubing 2 3/8	Wt. 4.6	I.D. 1.995	Set at 7170	Perf.	To
Gas Pay:	From	To	L	G	GL
				.650	4661
					12.0
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Gas, Gas Dual	
Date of Completion		Packer 7170	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.	
SI						1938				
1.		3/4				66	60			3 Hr
2.										
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		78	1.000	.9608		927
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}) **0.287** P_c **1950** P_c² **3802500**

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.	78	6.084	8.716	75.969	21.803	27.887	3774613	167	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **932** MCFPD: n **.75 (1.0055)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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

