

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

Form C-122

Revised 12-1-55

Pool Undesignated Pictured Cliffs			Formation Pictured Cliffs			County San Juan		
Initial I		Annual		Special		Date of Test 4-20-66		
Company Tenneco Oil Co.			Lease Florness			Well No. 83		
Unit A	Sec. 21	Twp. 29	Range 9		Purchaser			
Casing 3.5	Wt. 7.7	I.D. 3.068	Set at 2322		Perf. 2186		To 2203	
Tubing	Wt.	I.D.	Set at		Perf.		To	
Gas Pay:	From	To	L	G	GL	Bar. Press.		
				.650	1421	12.0		
Producing Through: I			Casing		Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion			Packer		Reservoir Temp. 99			

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.								923		
2.		3/4						216	60	3 hrs
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		228	1.000	.9608	1.023	2770
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}) **0.098** P_c **935** P_c² **874225**

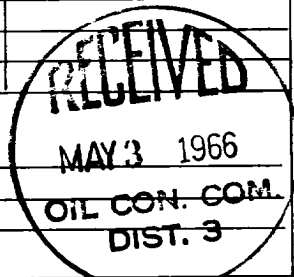
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1 - e ^{-S})	P _w ²	P _c ² - P _w ²	Cd P _w	$\frac{P_w}{P_c}$
1.	228	51984	8462	71605	7017	59001	815224		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2939** MCFPD; n **.85** **1.0611**

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





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File 2-1918-P

Company TENNECO OIL COMPANY Lease FLORANCE Well No. 83
Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
Formation PICTURED CLIFFS Test Date APRIL 20, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	923	
1000	946	0.023
1795	970	0.030
1995	976	0.030
2195	982	0.030

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev.	Datum	Ft.
Total Depth <u>2256</u>	Perf. <u>2186-2203</u>	Ft.
Tubing	in. to	Ft.
Casing <u>3 1/2</u>	in. to <u>2322</u>	Ft.
Casing Press. <u>923</u>	Tubing Press.	
Oil Level	Water Level	
Temperature <u>99</u>	°F (a) <u>2195</u>	Ft.
Element No.	Range	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	

0 500 1000 1500 2000 2500 3000 3500