

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

Form C-122

Revised 12-1-55

Blank

Pool Undesignated Pictured Cliffs		Formation Pictured Cliffs		County San Juan	
Initial I		Annual		Date of Test 7-18-66	
Company Tenneco Oil Co.		Lease Florance		Well No. 79	
Unit G	Sec. 31	Twp. 30	Range 8	Purchaser	
Casing 3.5	Wt.	I.D.	Set at 2789	Perf. 2680	To 2710
Tubing	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L	G .650	GL 1742
			Bar. Press. 12.0		
Producing Through:		Casing I	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer		Reservoir Temp. 103	

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						1066					
2.								169	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 PD @ 15.025 psia
1.	12.3650		181	1.000	.9608	1.019	2189
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}) **0.119** P_c **1078** P_c² **1162084**

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.	181	32761	6687	44716	5321	38082	1124002		
2.									
3.									
4.									
5.									

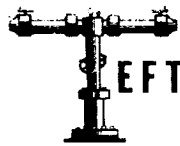
ABSOLUTE POTENTIAL: **2252** MCFPD; n **.85** **1.0287**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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





EFTELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

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Company TENNECO OIL COMPANY Lease FLORANCE Well 79
Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
Formation PICTURED CLIFFS Test Date JULY 18, 1966

Status of Well **Shut in 8 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1066	
1000	1097	0.031
2295	1138	0.031
2495	1144	0.030
2695	1150	0.030

1400

1300

1200

1100

1000

900

800

700

600

Datum Pressure Psig



Elev.	Datum	Ft.
Total Depth	Perf. 2680-2710	Ft.
Tubing	in. to	Ft.
Casing 3 1/2	in. to 2789	Ft.
Casing Press. 1066	Tubing Press.	
Oil Level None	Water Level None	
Temperature 103	PF Gr 2695	Ft.
Element No. 15065N	Range 0-2100	
Last Test Date		
Pressure Last Test Date		
B.H.P. Change	Psi	

DEPTH: FEET