

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

Form C-122
Revised 12-1-55

Pool		Formation Pictured Cliffs			County San Juan	
Initial X		Annual		Special		Date of Test 4-1-66
Company Tenneco Oil Co.			Lease Florance			Well No. 51-Y
Unit A	Sec. 20	Twp. 30	Range 9		Purchaser	
Casing 3 1/2	Wt.	I.D.	Set at 2837		Perf. 2721	To 2737
Tubing	Wt.	I.D.	Set at		Perf.	To
Gas Pay:	From	To	L	G .650	GL 1767	Bar. Press. 12.0
Producing Through:		Casing X	Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer		Reservoir Temp. 107		

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.	
1.		3/4						829	
2.								294	60
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		306	1.000	.9608	1.031	3747
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 **3.068** (1-e^{-S}) **0.121** P_c **841** P_c² **707.281**

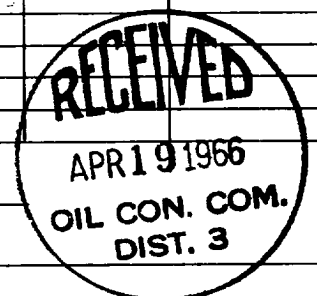
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	306	93.639	11.496	132.158	15.991	109.630	597651		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4323** MCFPD; n **.85** **1.1538**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 1714, Durango, Colorado 81301** COMPANY _____

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



Company TENNECO OIL COMPANY Lease FLORANCE Well No. 51-Y
 Field PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date APRIL 1, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	829	
1500	866	0.025
2329	885	0.023
2529	890	0.025
2729	896	0.030

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

Elev.	6018 GL	Datum		Ft.
Total Depth	2767	Perf.	2721-37	Ft.
Tubing		in. to		Ft.
Casing	3 1/2	in. to	2837	Ft.
Casing Press.	829	Tubing Press		
Oil Level	None	Water Level		
Temperature	107	°F (n)	2729	Ft.
Element No.	15065	Range	0-2100	
Last Test Date				
Pressure Last Test Date				Psig
B.H.P. Change		Psi		

DEPTH: FEET