

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

Form C-122

Revised 12-1-55

Pool Undesignated Blanco			Formation Pictured Cliffs			County San Juan		
Initial X		Annual		Special		Date of Test 3-26-66		
Company Tennessee Oil Co.			Lease Florance			Well No. 59		
Unit J	Sec. 23	Twp. 30N	Range 9W		Purchaser			
Casing 3.5	Wt. 7.7	I.D. 3.0	Set at 2704		Perf. 2641	To 72		
Tubing	Wt.	I.D.	Set at		Perf.	To		
Gas Pay:	From	To	L	G	GL	Bar. Press.		
				.650	1717	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.			

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						989		
2.								204	60	3 Hr.
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		216	1.000	.9608	1.022	2622
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}) **0.117** P_c **1001** P_c² **1002001**

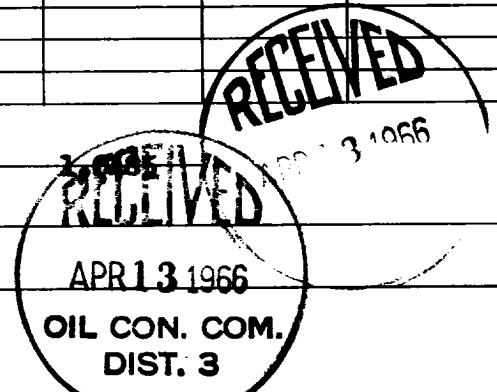
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	216	46656	8044	64.706	7571	54227	947774	233	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2749** MCFPD: n **.85**

COMPANY **Tennessee Oil Company** WITNESSED _____

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

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



Company TENNECO OIL COMPANY Lease FLORANCE Well No. 59
 Field UNDESIGNATED County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date MARCH 26, 1966

Status of Well <u>Shut in 11 days</u>		
DEPTH	PRESSURE	GRADIENT
Feet	Psig	Psi/Ft.
0	989	
1500	1028	0.026
2256	1055	0.022
2456	1061	0.030
2656 Mid-Perf	1067	0.030

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

Elev. 5942 KB	Datum _____	Ft.
Total Depth 2704	Perf. 2641-72	Ft.
Tubing _____	in. to _____	Ft.
Casing 3	in. to 2704	Ft.
Casing Press. 989	Tubing Press. _____	
Oil Level _____	Water Level _____	
Temperature _____	°F (a) _____	Ft.
Element No. _____	Range _____	
Last Test Date _____		
Pressure Last Test Date _____		Psig
B.H.P. Change _____	Psi _____	

2000
1750
1500
1250
1000
750
500
250
0

