

**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 X	Annual	Special	Date of Test 4-7-66		
Company Tenneco Oil Co.		Lease Florance		Well No. 60	
Unit	Sec. 1	Twp. 29	Range 9	Purchaser	
Casing 3.5	Wt. 7.7	I.D.	Set at 3129	Perf. 2997	To 3023
Tubing	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L	G	GL
			.650	1948	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. 102	

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						917		3 hr.
2.								142	60	
3.										
4.										
5.										

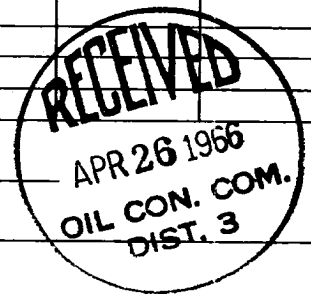
FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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		154	1.000	.9608	1.015	1854
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}) **0.132** P_c **929** P_c² **863041**

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.	154	23716	5688	32.353	4271	27987	835054		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **1907** MCFPD; n **.85 1.0284**
 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

Company TENNECO OIL COMPANY Lease FLORANCE Well No. 60
 Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date APRIL 7, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	917	
1500	956	0.026
2610	986	0.027
2810	991	0.025
3010 *	996	0.025

*Mid-Perf

PRESSURE POUNDS PER SQUARE INCH GAUG.

2000
1750
1500
1250
1000
750
500
250
0

Datum Pressure

Psig



Elev. 6360 Datum Ft.
 Total Depth 3064 Perf. 2997-3023 Ft.
 Tubing in. to Ft.
 Casing 3 1/2 in. to 3129 Ft.
 Casing Press. 917 Tubing Press
 Oil Level None Water Level None
 Temperature 102 °F @ 3010 Ft.
 Element No 15065 Range 0-2100
 Last Test Date
 Pressure Last Test Date Psig
 B.H.P. Change Psi

DEPTH: FEET

0 500 1000 1500 2000 2500 3000 3500