

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

Form C-122
Revised 12-1-55

Pool <u>Blanco</u> Undesignated Pictured Cliffs		Formation Pictured Cliffs		County San Juan	
Initial X	Annual	Special	Date of Test 7-19-66		
Company Tenneco Oil Co.		Lease Florance		Well No. 89	
Unit H	Sec. 19	Twp. 30	Range 9	Purchaser	
Casing 3.5	Wt.	I.D.	Set at 2986	Perf. 2866	To 2918
Tubing	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L	G .650	GL 1863 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.	

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						881		3 Hrs
2.								108	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 PD @ 15.025 psia
1.	12.3650		120	1.000	.9608	1.012	1447
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}) **0.127** P_c **893** P_c² **797449**

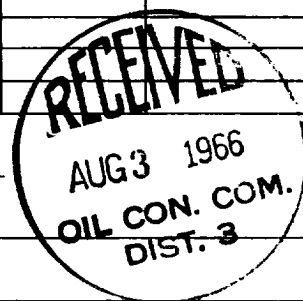
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	120	14400	4421	19545	2482	16882	780567		
2.									
3.									
4.									
5.									

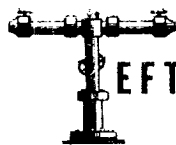
ABSOLUTE POTENTIAL: **1473** MCFPD; n **.85** **1.0183**

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





EFTTELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

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File 2-1998-AOF

Company TENNECO OIL COMPANY Lease FLORANCE Well 89
Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
Formation PICTURED CLIFFS Test Date JULY 9, 1966

Status of Well **Shut in 7 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	881	
1000	904	0.023
2297	936	0.025
2497	941	0.025
2697	946	0.025

1300

1200

1100

1000

900

800

700

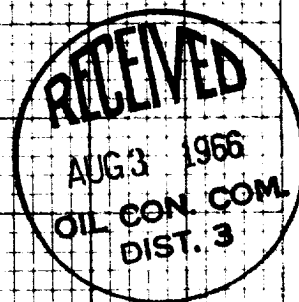
600

500

Datum Pressure

Psig

Elev. Datum Ft.
Total Depth 2956 Perf. 2866-2918 Ft.
Tubing in. to Ft.
Casing 3 1/2 in. to 2986 Ft.
Casing Press. 881 Tubing Press Ft.
Oil Level None Water Level Ft.
Temperature °F @ Ft.
Element No. 15065N Range 0-2100
Last Test Date
Pressure Last Test Date
B.H.P. Change Psi



DEPTH: FEET