

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

Form C-122
Revised 12-1-55

Pool Undesignated <i>Blanco</i>		Formation Pictured Cliffs		County San Juan	
Initial X		Annual		Special	
Company Tennessee Oil Co.		Lease Shaw		Date of Test 3-26-66	
Unit E		Sec. 23		Twp. 30N	
Casing 3.5		Wt. 7.7		I.D. 3.0	
Tubing		Wt.		I.D.	
Range 9W		Set at 3150		Perf. 3095	
Purchaser		To 3127		Well No. 2	
Gas Pay:		From		To	
L		G		GL	
Bar. Press.		.650		2012	
12.00		Casing		Tubing	
Producing Through:		X		Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:								Type of Taps		
Prover ☐ Choke ☒ Meter ☐										
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.								918		
2.		3/4						192	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 P.D. @ 15.025 psia
1.	12.3650		204	1.000	.9608	1.022	2477
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** $(1-e^{-S})$ **0.136** P_c **930** P_c^2 **864,900**

No.	P_w 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.	204	41616	7599	57.745	7.853	49668	815432	223	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2604** MCFPD; n **.85** **1.0513**

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 SHAW Well No. 2
 Field UNDESIGNATED County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date MARCH 26, 1966

Status of Well Shut in 11 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	918	
1500	959	0.027
2711	994	0.029
2911	999	0.025
3111 Mid-Perf	1004	0.025

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

Elev. <u>6357 KB</u>	Datum _____	Ft.
Total Depth <u>3150</u>	Perf. <u>3095-3127</u>	Ft.
Tubing _____	in. to _____	Ft.
Casing <u>3.0</u>	in. to <u>3150</u>	Ft.
Casing Press. <u>918</u>	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	

DEPTH, FEET

RECEIVED
APR 11 1960
TENNECO OIL COMPANY
MILLER, COLORADO