

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

Form C-122

Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County San Juan	
Initial X		Annual		Special	
Company Tenneco Oil Co.		Lease Jane Hamfield		Date of Test 12-4-65	
Unit F		Sec. 19		Twp. 30N	
Casing 4.5		Wt. 19		Range 9N	
Tubing 2 3/8		I.D. 4.7		Set at 7350	
Gas Pay:		From		To	
		L		G	
				GL	
				Bar. Press.	
				12.0	
Producing Through:		Casing		Tubing	
				X	
Date of Completion		Packer		Reservoir Temp.	
		7012		Dual - Gas	

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				1950	60	126	60	Per.	3 Hr.		
2.													
3.													
4.													
5.													

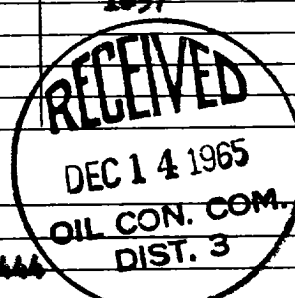
FLOW CALCULATIONS

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		138	1.000	.9608	1.012	1657
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 9.462 (1-e ^{-S}) 0.282	P _c 1962 P _c ² 3849444

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.	138	19044	15.579	242.705	68.443	87.487	3761957	296	
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **1686** MCFPD: n **.75** **1.0175**

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 JANE MANSFIELD Well No. 1
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date DECEMBER 6, 1965

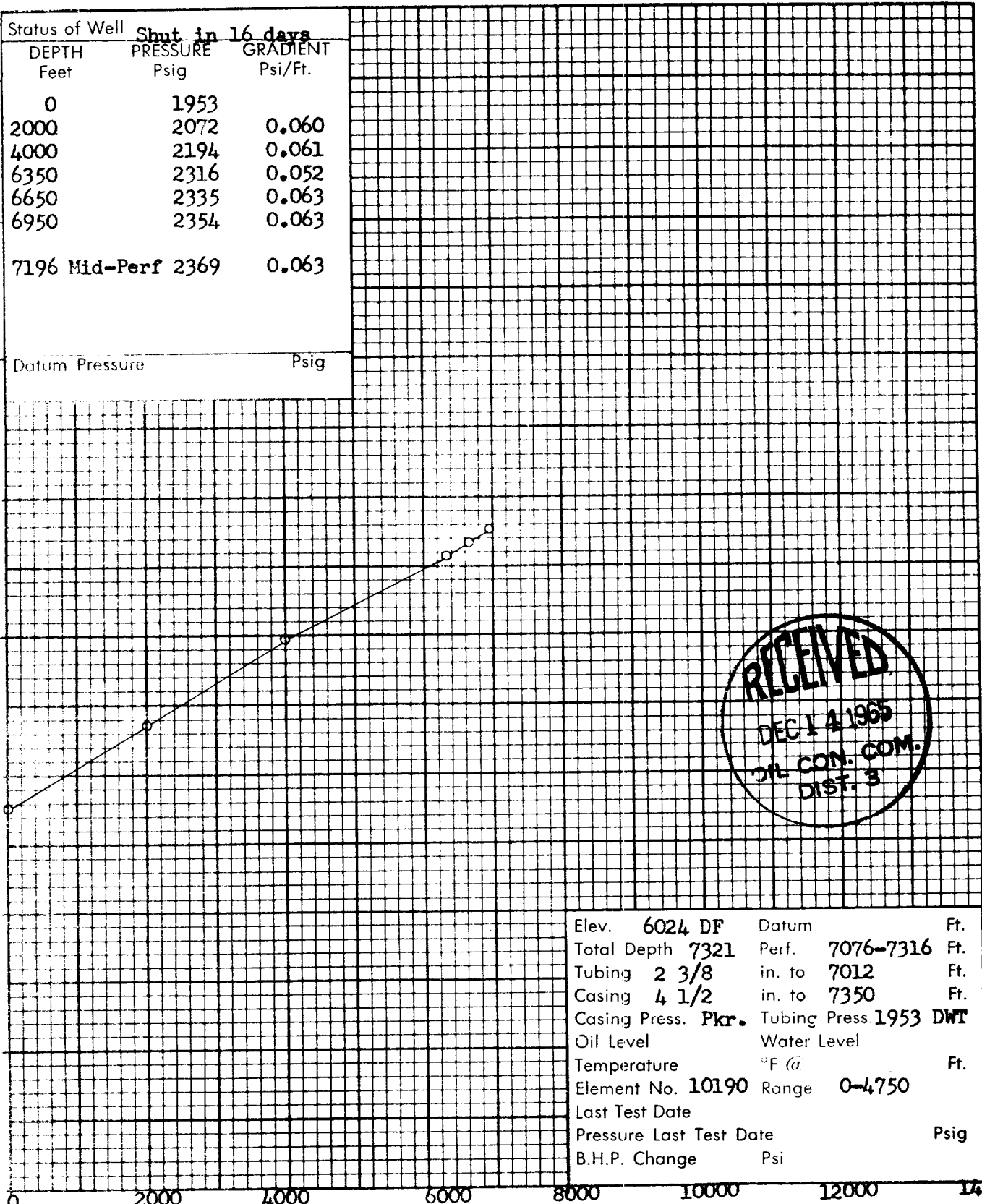
Status of Well Shut in 16 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1953	
2000	2072	0.060
4000	2194	0.061
6350	2316	0.052
6650	2335	0.063
6950	2354	0.063
7196 Mid-Perf	2369	0.063

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

3000
2800
2600
2400
2200
2000
1800
1600
1400



Elev. 6024 DF Datum _____ Ft.
 Total Depth 7321 Perf. 7076-7316 Ft.
 Tubing 2 3/8 in. to 7012 Ft.
 Casing 4 1/2 in. to 7350 Ft.
 Casing Press. Pkr. Tubing Press. 1953 DWT
 Oil Level _____ Water Level _____
 Temperature _____ °F (a) _____ Ft.
 Element No. 10190 Range 0-4750
 Last Test Date _____
 Pressure Last Test Date _____ Psig
 B.H.P. Change _____ Psi

DEPTH. FEET