

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

Form C-122

Revised 12-1-55

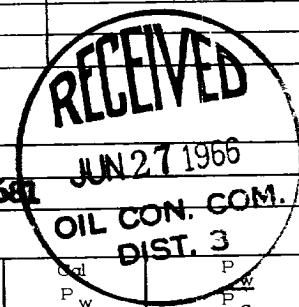
Pool Undesignated P.C.			Formation Pictured Cliffs			County San Juan			
Initial X		Annual		Special		Date of Test 6-14-66			
Company Tenneco Oil Co.			Lease Hammer			Well No. 4			
Unit M	Sec. 28	Twp. 29	Range 9		Purchaser				
Casing 3.5	Wt. 7.7	I.D. 3.068	Set at 2399		Perf. 2280	To 2334			
Tubing	Wt.	I.D.	Set at		Perf.	To			
Gas Pay:	From	To	L	G .650	GL 1482	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. 100				
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.	
1.		3/4						697	
2.								133	
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 PD @ 15,025 psia		
1.	12.3650		145	1.000	.9608	1.015	1748		
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}) 0.102				P _c 709 P _c ² 502681					
No.	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	P _w P _c
1.	145	21025	5340	28516	2909	23934	478747		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1822** MCFPD; n **.85** **1.023**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

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



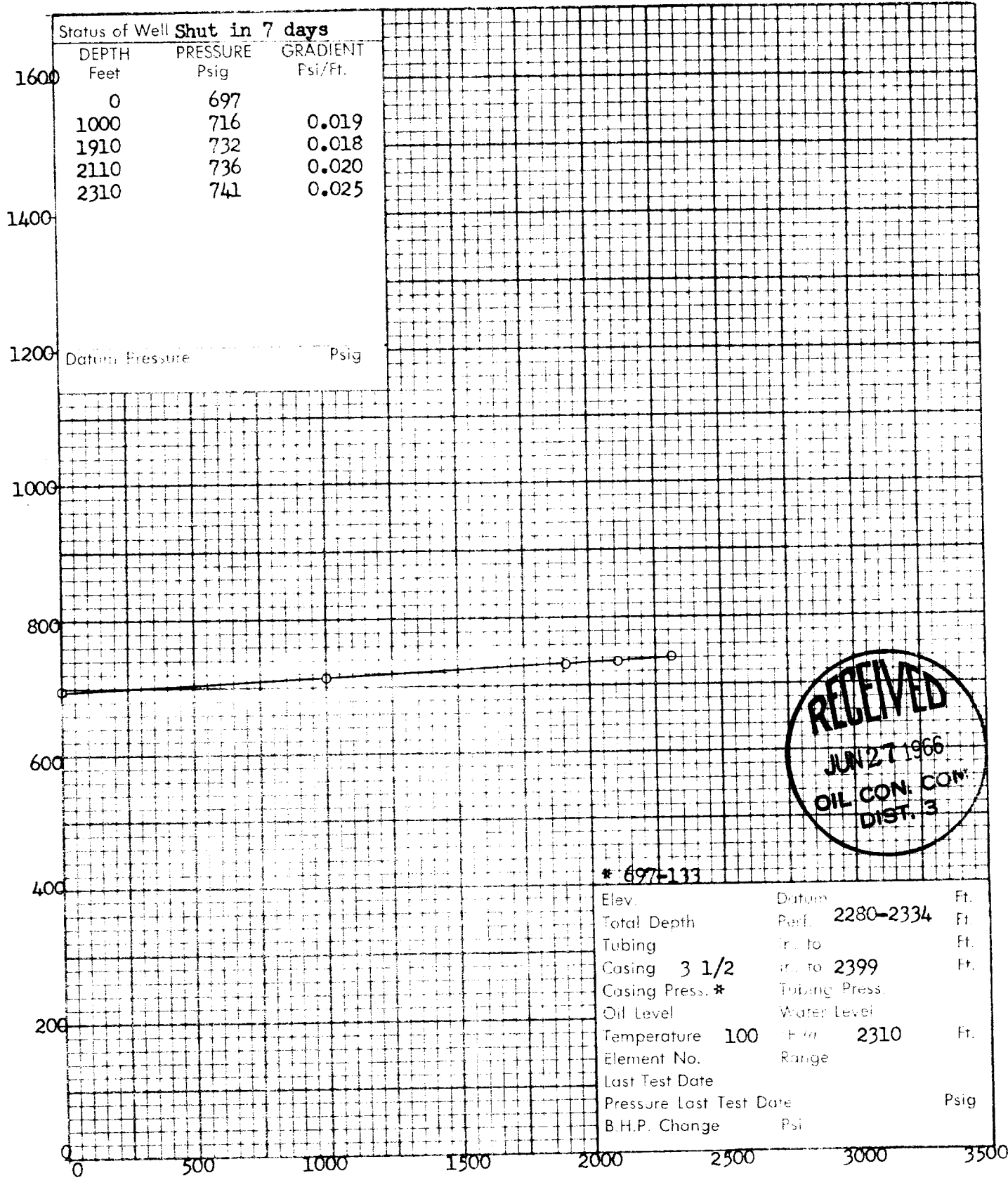
Company TENNECO OIL COMPANY Lease HAMNER Well No. 4
 Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date JUNE 14, 1966

Status of Well **Shut in 7 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	697	
1000	716	0.019
1910	732	0.018
2110	736	0.020
2310	741	0.025

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE



* 697-133

Elev.	Datum	Ft.
Total Depth	Perf. 2280-2334	Ft.
Tubing	Int. to	Ft.
Casing 3 1/2	Ext. to 2399	Ft.
Casing Press. *	Tubing Press.	
Oil Level	Water Level	
Temperature 100	CH. to 2310	Ft.
Element No.	Range	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	