

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

Form C-122

Revised 12-1-55

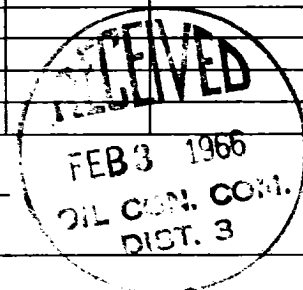
Pool Basin Dakota			Formation Dakota			County San Juan				
Initial I		Annual		Special		Date of Test 1-3-66				
Company Tenneco Oil Co.			Lease Michener			Well No. 2				
Unit P	Sec. 33	Twp. 28N	Range 9W		Purchaser					
Casing 4 1/2	Wt.	I.D.	Set at 7635		Perf. 7320		To 7550			
Tubing 2 3/8	Wt.	I.D.	Set at 7512		Perf.		To			
Gas Pay: From		To	L	G	GL	Bar. Press.				
					.650	12.0				
Producing Through:		Casing	Tubing		Type Well — Single — Braden head — G.G. or G.O. Dual					
			X		Single Gas					
Date of Completion		Packer		Reservoir Temp. 180						
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				1796		1951		3 Hr.
2.						422	60	1072		
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		434	1.0000	.9608	1.046	5391			
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 _____ (1-e ^{-S}) _____					P _c 1963 P _c ² 3853369					
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.	1084					1175056	2678313			
2.										
3.										
4.										
5.										

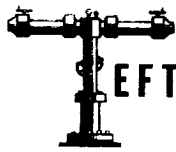
ABSOLUTE POTENTIAL: **7082** MCFPD; n **.75** **1.3136**

COMPANY **TENNOCO OIL COMPANY** WITNESSED _____

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

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





EFTELLER, INC.

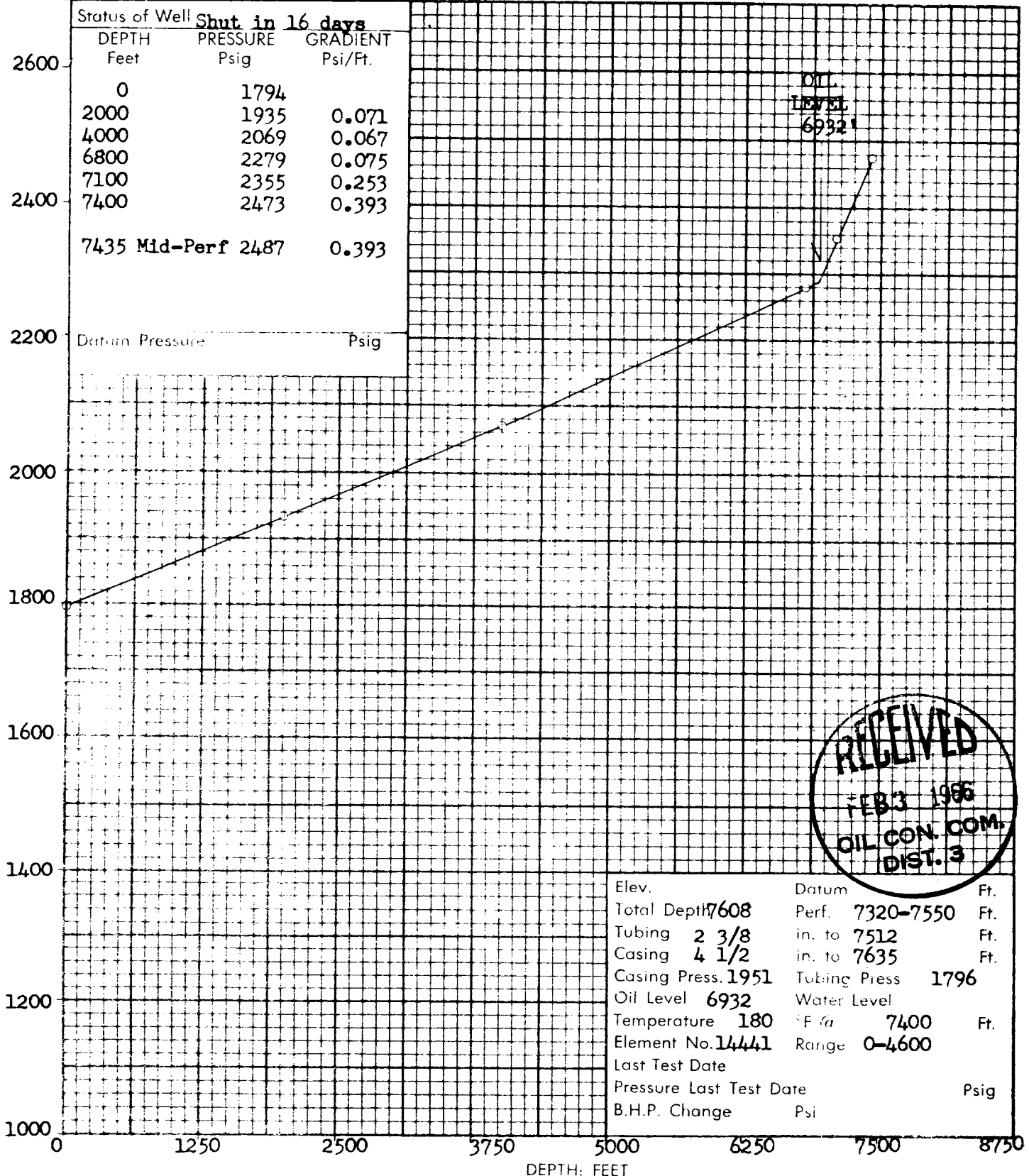
reservoir engineering data
MIDLAND, TEXAS

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File 2-1775-AOF

Company TENNECO OIL COMPANY Lease MICHENER Well No 2
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date JANUARY 3, 1966

Status of Well <u>Shut in 16 days</u>		
DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1794	
2000	1935	0.071
4000	2069	0.067
6800	2279	0.075
7100	2355	0.253
7400	2473	0.393
7435 Mid-Perf	2487	0.393

PRESSURE POUNDS PER SQUARE INCH GAUGE



RECEIVED
FEB 3 1966
OIL CON. COM.
DIST. 3