

**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		Date of Test APR 2-20-66	
Company Tenneco Oil Co.		Lease Newberry A		Well No. 4	
Unit J	Sec. 34	Twp. 32 N	Range 12 W	Purchaser	
Casing 4.5	Wt. 10.5 & 11.6	I.D.	Set at 7500	Perf. 7207	To 7416
Tubing 2.375	Wt. 4.7	I.D.	Set at 7404	Perf.	To
Gas Pay:	From	To	L	G	GL
				.650	12.0
Producing Through:		Casing	Tubing X	Type Well — Single — Braden head — G.G. or G.O. Dial Single	
Date of Completion		Packer	Reservoir Temp. 208		

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				2077	60	2030		3 Hrs
2.						325		1037		
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 F D @ 15,025 psia
1.	12.3650		337	1.000	.9608	1035	4142
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 **2089** P_c² **4363921**

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.	1049					1100401	3263520		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5151** MCFPD; n **.75** **1.2435**

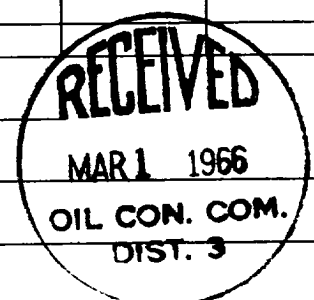
COMPANY **Tenneco Oil Company**

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

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

WITNESSED _____

COMPANY _____



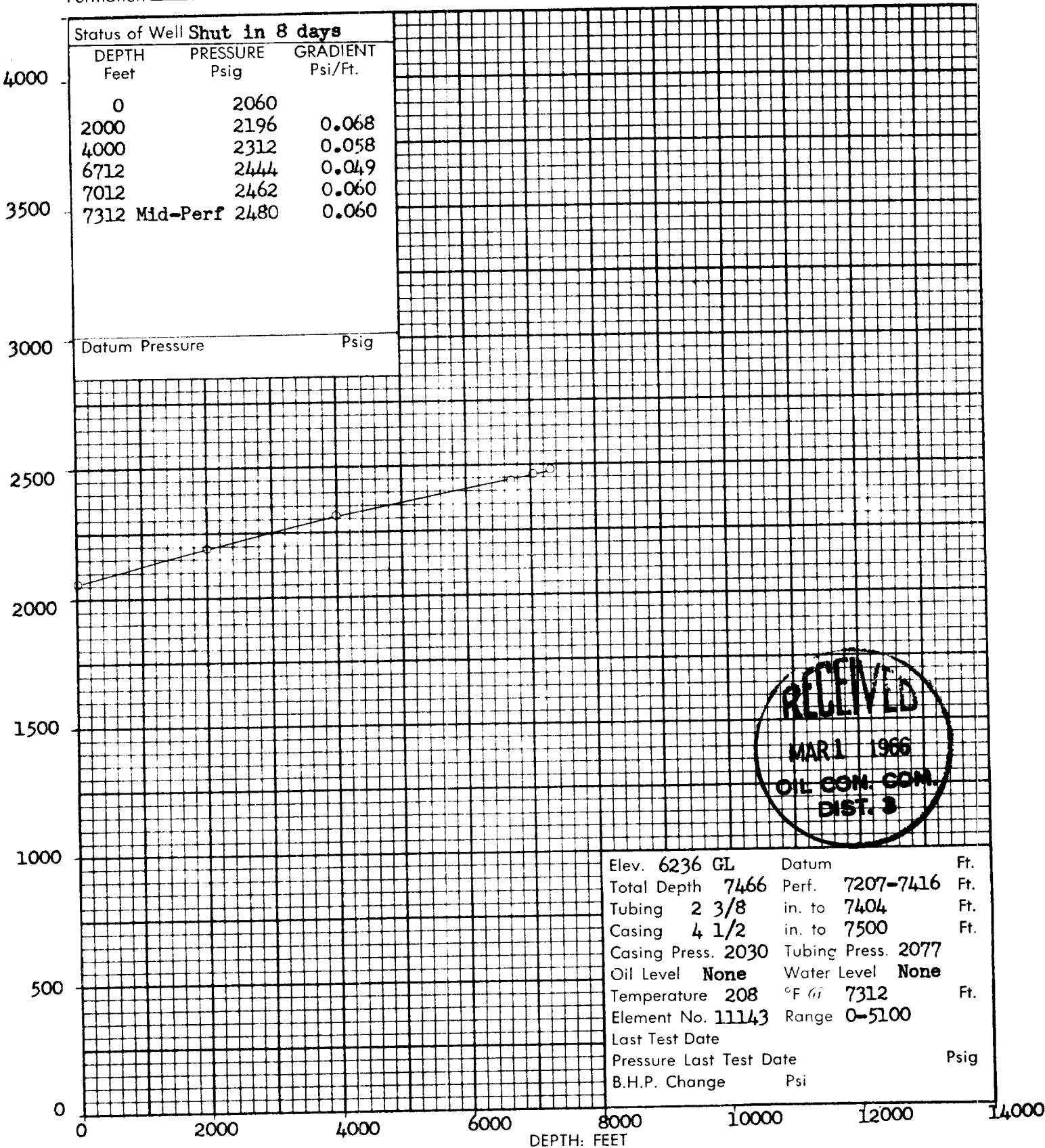
Company TENNECO OIL COMPANY Lease NEWBERRY "A" Well No. 4
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date FEBRUARY 20, 1966

Status of Well Shut in 8 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	2060	
2000	2196	0.068
4000	2312	0.058
6712	2444	0.049
7012	2462	0.060
7312 Mid-Perf	2480	0.060

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev. 6236 GL	Datum	Ft.
Total Depth 7466	Perf. 7207-7416	Ft.
Tubing 2 3/8	in. to 7404	Ft.
Casing 4 1/2	in. to 7500	Ft.
Casing Press. 2030	Tubing Press. 2077	
Oil Level None	Water Level None	
Temperature 208 °F @	7312	Ft.
Element No. 11143	Range 0-5100	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	

DEPTH: FEET