

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-8-73	
Company Tenneco Oil Co.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date		Total Depth 6035		Plug Back TD		Elevation 6283 GL	
Csg. Size 5 1/2		WI. d		Set At		Perforations: From 5830 To 5856	
Tbg. Size 2 7/8		WI. d		Set At 5687		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		County San Juan	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12.0	
L		H		G _g		% CO ₂	
						% N ₂	
						% H ₂ S	
						Prover X	
						Meter Run	
						Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	2	X	3/4				1992	60	2036	
2.							467		759	
3.										
4.										
5.										

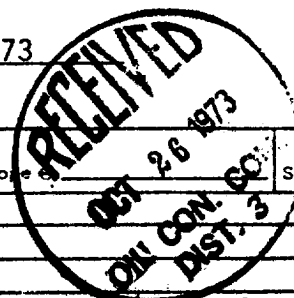
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		479	1.0000	.9608	1.051	5985
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 2048	P _c ² 4194304	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1651$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1213$
NO.	P _t ²	P _w	P _w ²
1.		771	594441
2.			
3.			
4.			
5.			

Absolute Open Flow 6973		Mcf/d @ 15.025	Angle of Slope _____	Slope, n .75
Remarks: _____				

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: N. Tefteller	Checked By:
-------------------------	----------------------------------	--------------------------------	-------------



**EFTELLER, INC.**

reservoir engineering data

MIDLAND, TEXAS

Page 3 of 6
File 1A-5283-A0FCompany TENNECO OIL CO. Lease GALLEGOS Well No. 4
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date OCTOBER 5, 1973

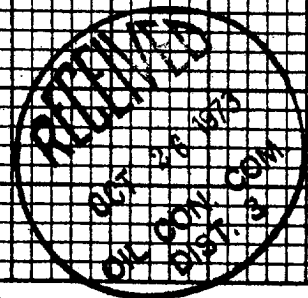
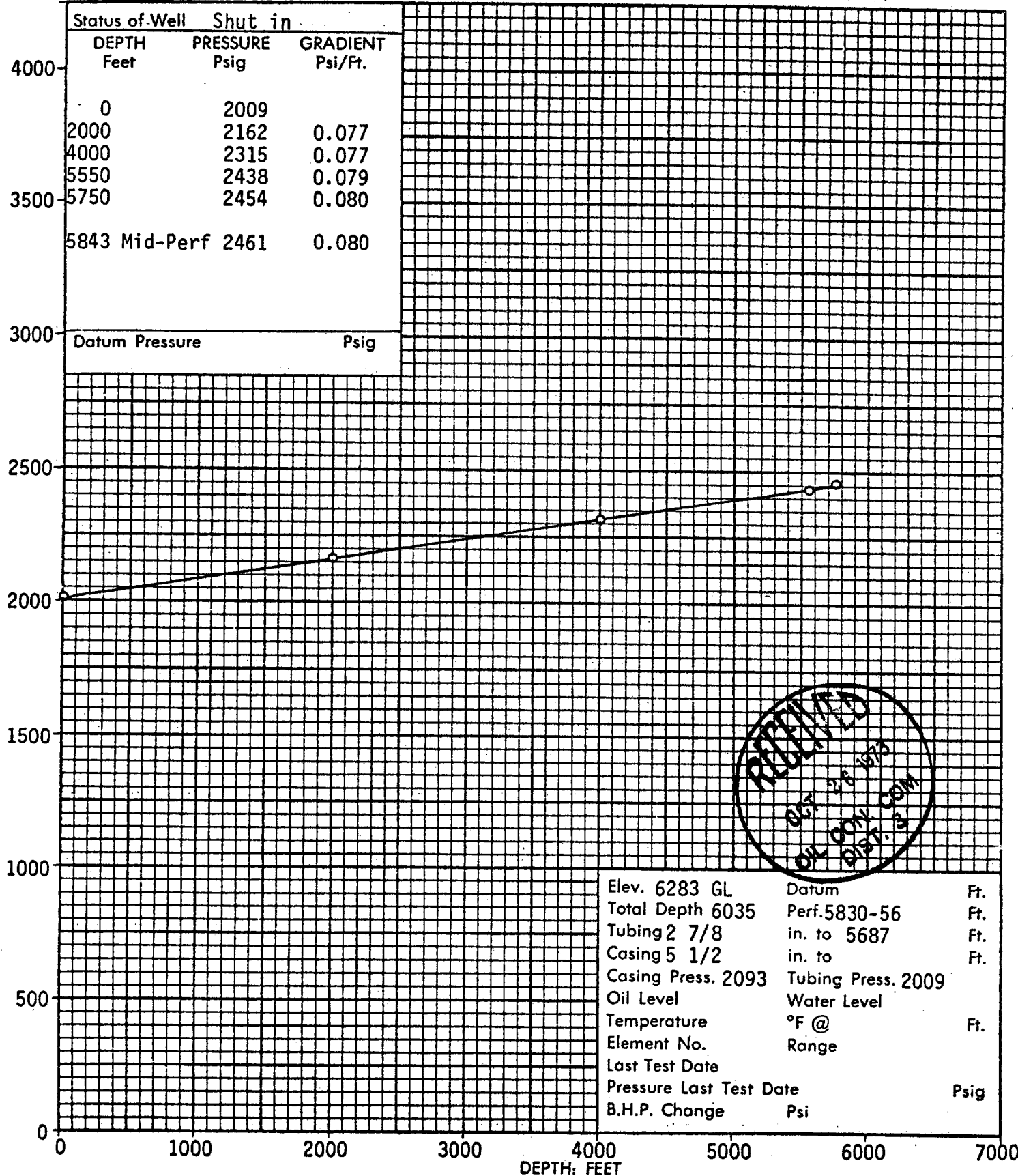
Status of Well Shut in

DEPTH PRESSURE GRADIENT
Feet Psig Psi/Ft.

0	2009	
2000	2162	0.077
4000	2315	0.077
5550	2438	0.079
5750	2454	0.080
5843 Mid-Perf	2461	0.080

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev. 6283 GL	Datum	Ft.
Total Depth 6035	Perf. 5830-56	Ft.
Tubing 2 7/8	in. to 5687	Ft.
Casing 5 1/2	in. to	Ft.
Casing Press. 2093	Tubing Press. 2009	
Oil Level	Water Level	
Temperature	°F @	Ft.
Element No.	Range	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	