

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 8-12-73	
Company Tenneco Oil Company				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date		Total Depth		Elevation 6168 GL	
Csg. Size 5 1/2		Set At 5885		Perforations: From 5816 To 5845	
Tng. Size 2 3/8		Set At 5745		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At	
Producing Thru TBG		Reservoir Temp. °F 155 @ 5700		Baro. Press. - P _a 12.0	
Mean Annual Temp. °F		State New Mexico		County San Juan	
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.							1830		1942	
2.	2 x 3/4						793	90	1263	
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		805	.9723	.9608	1.069	9,941
2.							
3.							
4.							
5.							

NO.	P _r	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 _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1954	P _c ² 3818116					
NO.	P _L ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7415$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5160$
1.		1275	1625625	2192491		
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 15070$

Absolute Open Flow 15070 Mcfd @ 15.025

Angle of Slope 0.75

Remarks: _____

Approved By Commission: NOV 12 1973	Conducted By: Tefteller, Inc.	Calculated By: N. Tefteller	Checked By:
--	----------------------------------	--------------------------------	-------------

Company TENNECO OIL COMPANY

Lease GALLEGOS

Well No. 3

Field BASIN DAKOTA

County SAN JUAN

State NEW MEXICO

Formation DAKOTA

Test Date AUGUST 12, 1973

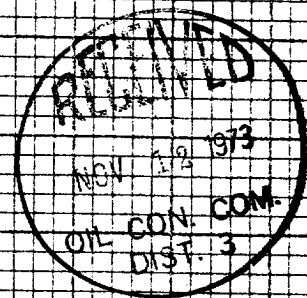
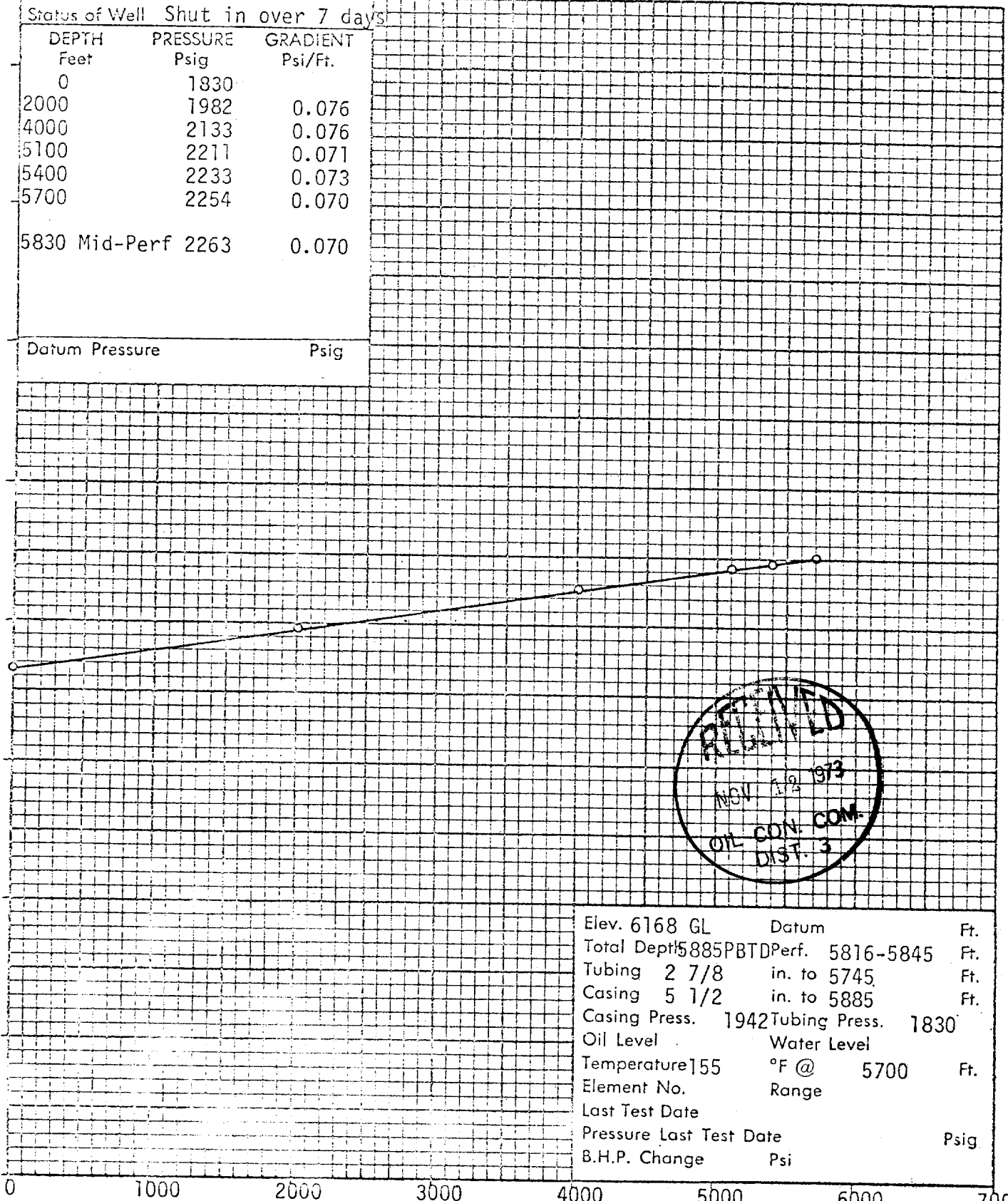
Status of Well Shut in over 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1830	
2000	1982	0.076
4000	2133	0.076
5100	2211	0.071
5400	2233	0.073
5700	2254	0.070
5830 Mid-Perf	2263	0.070

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

4000
3500
3000
2500
2000
1500
1000
500
0



Elev. 6168 GL	Datum	Ft.
Total Dept 5885	PBTD Perf. 5816-5845	Ft.
Tubing 2 7/8	in. to 5745	Ft.
Casing 5 1/2	in. to 5885	Ft.
Casing Press. 1942	Tubing Press. 1830	
Oil Level	Water Level	
Temperature 155	°F @ 5700	Ft.
Element No.	Range	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	

DEPTH: FEET

7000