

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 9-20-73	
Company Tenneco Oil Company				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date		Total Depth		Plug Back TD 5903	Elevation 6280
Csg. Size 5.5		Wt. d	Set At 5940	Perforations: From 5837 To 5847	
Thg. Size 2 7/8		Wt. d	Set At 5719	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At	County San Juan
Producing Thru Tbg		Reservoir Temp. *F 160 @ 5650		Mean Annual Temp. *F 12.0	
Baro. Press. - P _a		State New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover		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.	Temp. *F	
SI	-						1846		Pkr		
1.	2	X	3/4				368	60	Pkr		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		380	1.0000	.9608	1.040	4699
2.							
3.							
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X X X X
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1	144400	552	304.989	3147175
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0969$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5036$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0718$

Absolute Open Flow	5036	Mcf @ 15.025	Angle of Slope @	Slope, n .75
--------------------	------	--------------	------------------	--------------

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

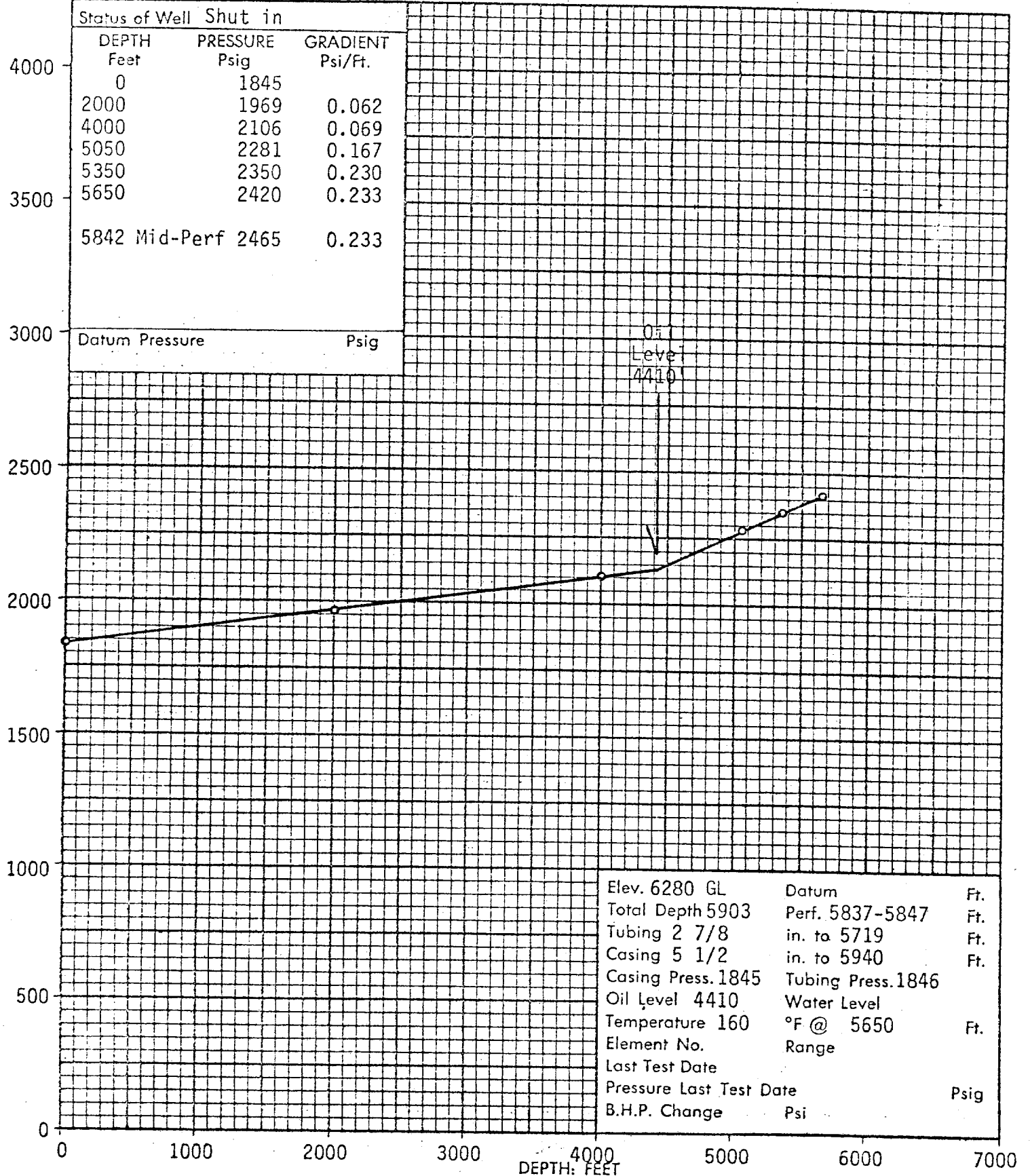
Company TENNECO OIL COMPANY Lease CANYON Well No. 5
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date SEPTEMBER 20, 1973

Status of Well Shut in

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1845	
2000	1969	0.062
4000	2106	0.069
5050	2281	0.167
5350	2350	0.230
5650	2420	0.233
5842 Mid-Perf	2465	0.233

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev. 6280 GL	Datum	Ft.
Total Depth 5903	Perf. 5837-5847	Ft.
Tubing 2 7/8	in. to 5719	Ft.
Casing 5 1/2	in. to 5940	Ft.
Casing Press. 1845	Tubing Press. 1846	
Oil Level 4410	Water Level	
Temperature 160	°F @ 5650	Ft.
Element No.	Range	
Last Test Date		
Pressure Last Test Date		
B.H.P. Change	Psi	