

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 2-21-74	
Company Tenneco Oil Company				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date		Total Depth		Plug Back TD 5930	
Csg. Size 5 1/2		Wt. WT.		Elevation	
Tbg. Size 2 7/8		Wt. WT.		Perforations: From 5789 To 5820	
Set At 5975		Set At 5665		Well No. 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single gas				Packer Set At	
Producing Thru Tbg.				County San Juan	
Reservoir Temp. °F 164 @ 5660		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a 12.0		Prover X		Meter Run	
L		H		Taps	
Gg		% CO ₂		% N ₂	
% H ₂ S					

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	9 days						1836		1865		7 1/2 3 hrs.
1.	2	x	3/4				454	60	720		
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, F _{sp}	Rate of Flow Mcfd
1	12.365		466	1.000	.9608	1.049	
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

P _c 1877 P _c ² 3523129			
NO.	P _t ²	P _w	P _w ²
1		732	535824
2			
3			
4			
5			

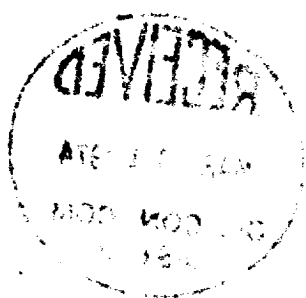
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1794}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{6624}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.1315}$

Absolute Open Flow 6624 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:		

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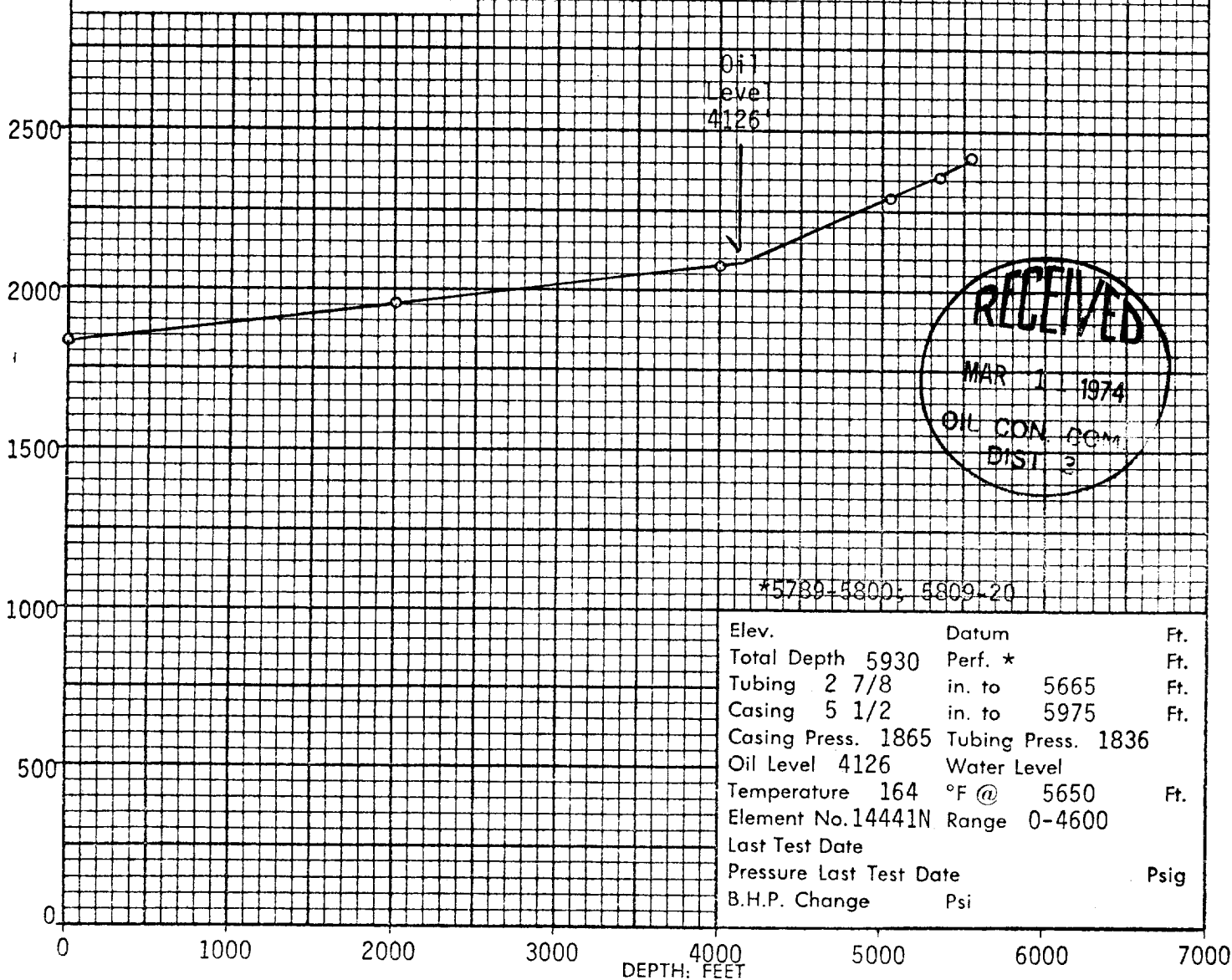


Company TENNECO OIL COMPANY Lease CANYON Well No. 7
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date FEBRUARY 21, 1974

Status of Well Shut in 9 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1836	
2000	1952	0.059
4000	2080	0.064
5050	2294	0.204
5350	2361	0.223
5650	2427	0.220
5805 Mid-Perf	2461	0.220

Datum Pressure Psig



PRESSURE POUNDS PER SQUARE INCH GAUGE