

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 10-18-66	
Company Tenneco Oil Co.				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date		Total Depth		Plug Back TD 7629		Elevation
Farm or Lease Name Jicarilla						
Csg. Size 4.5	Wt.	d	Set At 7673	Perforations: From 7367 To 7558		Well No. 2-5
Tbg. Size 2.315	Wt.	d	Set At 7288	Perforations: From To		Unit Sec. Twp. Rge. 24 20 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas				Packer Set At 7288		County Rio Arriba
Producing Thru TBG		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
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	
1.	2	2	3/4				2491	60	PKR.		3 hr.
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		550	1.000	.9608	1.062	6937
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	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X 1966
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P_c **2503** P_c² **6265009**

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.				1540388
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{6265009}{6265009 - 1540388} = \mathbf{1.3260}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{6265009}{6265009 - 1540388} = \mathbf{1.2357}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{8572}$

Absolute Open Flow	8572	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved By Commission: Conducted By: Calculated By: **Neil Tafteller** Checked By: **J. B. Massey**

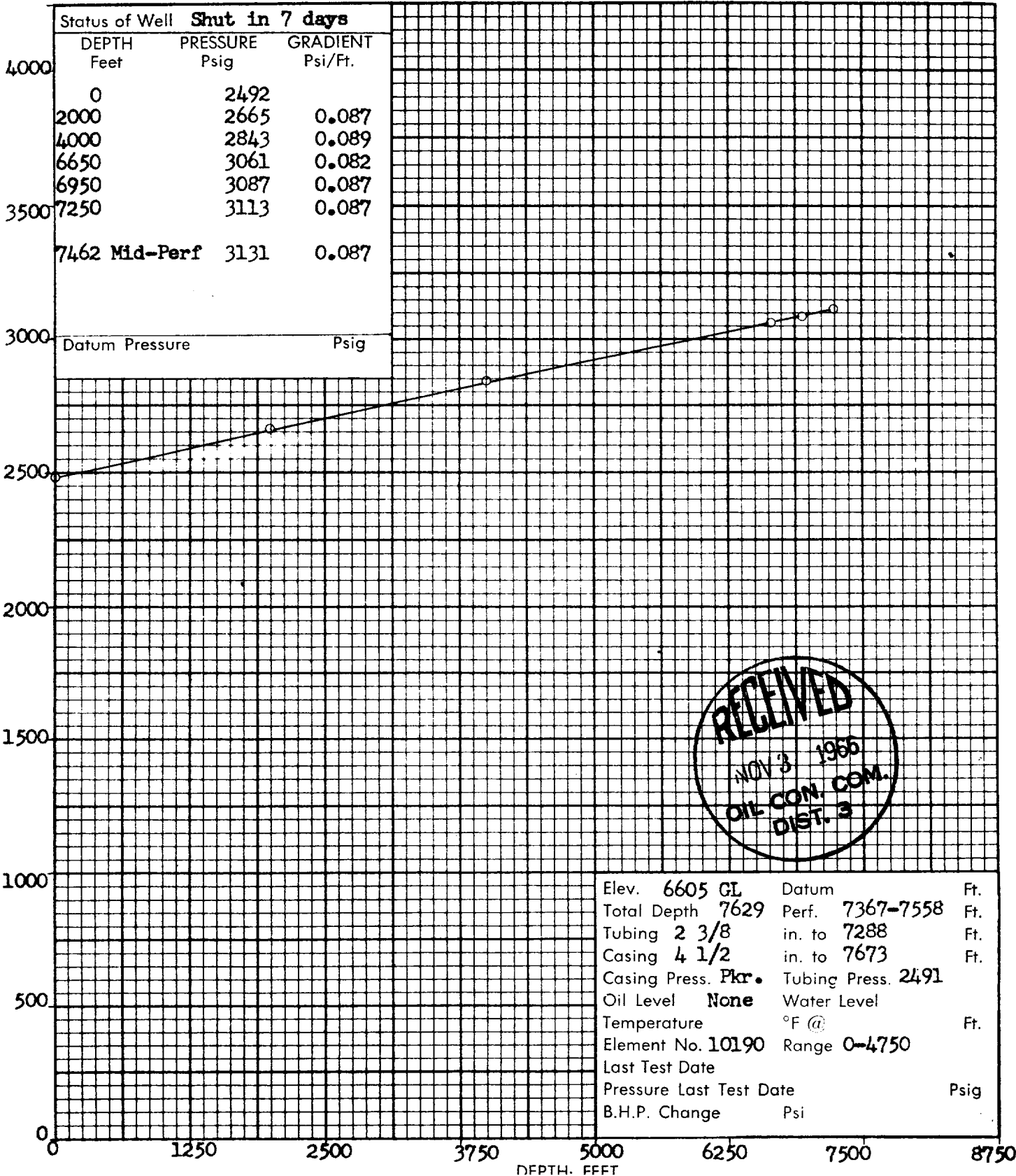
Tenneco Oil Company

Company TENNECO OIL COMPANY Lease JICARILLA Well No. C-5
 Field BASIN DAKOTA County RIO ARriba State NEW MEXICO
 Formation DAKOTA Test Date OCTOBER 18, 1966

Status of Well **Shut in 7 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	2492	
2000	2665	0.087
4000	2843	0.089
6650	3061	0.082
6950	3087	0.087
7250	3113	0.087
7462 Mid-Perf	3131	0.087

Datum Pressure Psig



Elev. 6605 GL	Datum	Ft.
Total Depth 7629	Perf. 7367-7558	Ft.
Tubing 2 3/8	in. to 7288	Ft.
Casing 4 1/2	in. to 7673	Ft.
Casing Press. Pkr.	Tubing Press. 2491	
Oil Level None	Water Level	
Temperature	°F @	Ft.
Element No. 10190	Range 0-4750	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	