

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 10-13-66	
Company Tenneco Oil Co.				Connection			
Pool Tocito Gallup				Formation Gallup		Unit	
Completion Date		Total Depth		Plug Back TD		Elevation 6574	
Farm or Lease Name Jicarilla		Well No. 0-3					
Csg. Size 5 1/2	Wt.	d	Set At 7580	Perforations: From 6754 To 6772		Unit Sec. Twp. Rge. I 23 26 5	
Tbg. Size 2 1/16	Wt.	d	Set At 6703	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas				Packer Set At 7230		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.	
SI							1803		1832	
1.	2	I	3/4				89	60	250	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		101	1.000	.9608	1.010	1212
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A. R
5.					Critical Temperature	R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		101	10201	3390135
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0030$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1215$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0022$

Absolute Open Flow 1215 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: Neil Tefteller	Checked By: J.E. Massey
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Tenneco Oil Company

LEFFELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

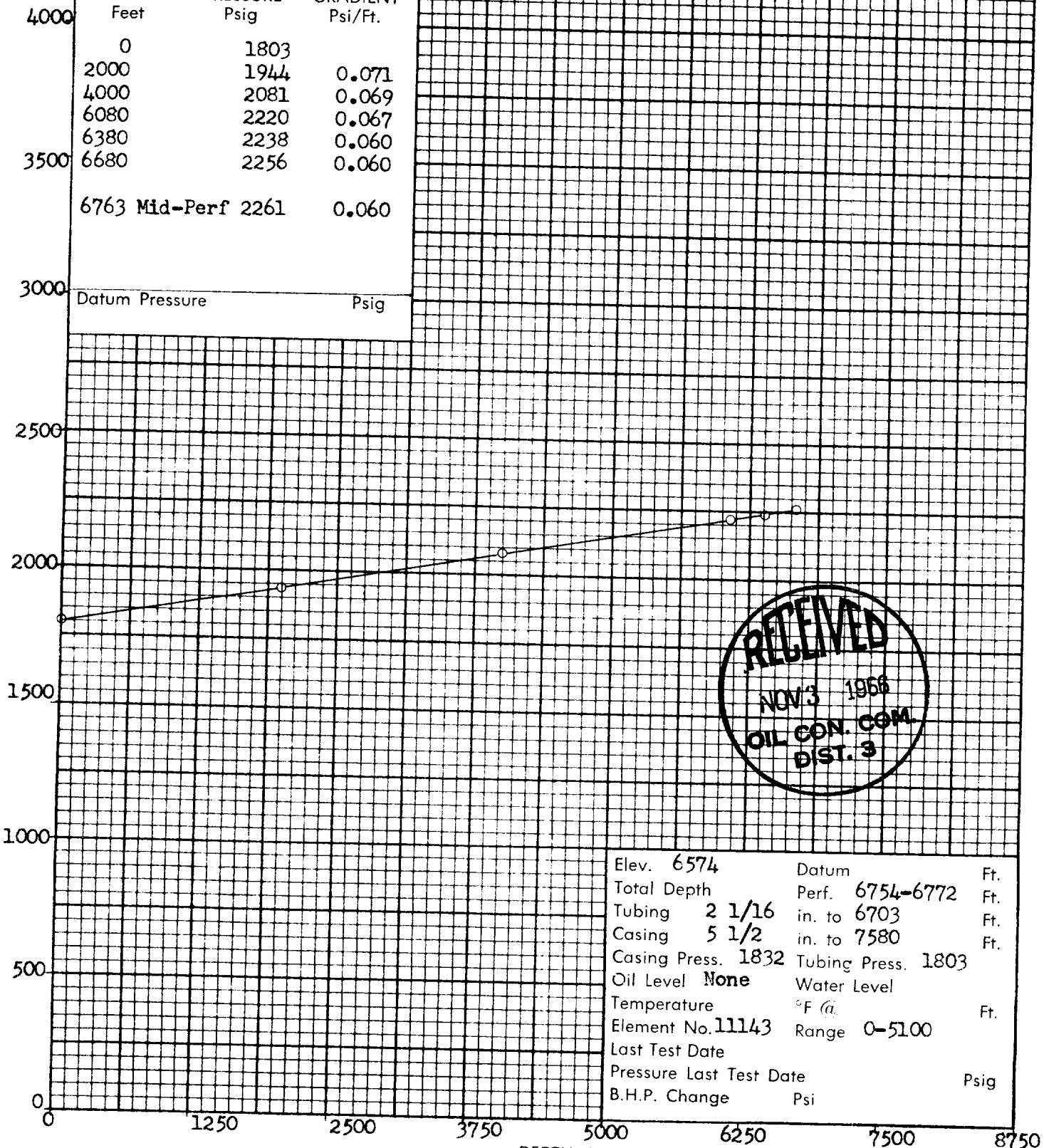
Page 2 of 2
File 2-2209-AOF

Company TENNECO OIL COMPANY Lease JICARILLA Well No. C-3
Field TOCITO GALLUP County RIO ARriba State NEW MEXICO
Formation GALLUP Test Date OCTOBER 13, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1803	
2000	1944	0.071
4000	2081	0.069
6080	2220	0.067
6380	2238	0.060
6680	2256	0.060
6763 Mid-Perf	2261	0.060

Datum Pressure _____ Psig



Elev. <u>6574</u>	Datum _____	Ft.
Total Depth _____	Perf. <u>6754-6772</u>	Ft.
Tubing <u>2 1/16</u>	in. to <u>6703</u>	Ft.
Casing <u>5 1/2</u>	in. to <u>7580</u>	Ft.
Casing Press. <u>1832</u>	Tubing Press. <u>1803</u>	
Oil Level <u>None</u>	Water Level _____	
Temperature _____	°F @ _____	Ft.
Element No. <u>11143</u>	Range <u>0-5100</u>	
Last Test Date _____		
Pressure Last Test Date _____		Psig
B.H.P. Change _____	Psi	

DEPTH, FEET