

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				Unit	
Completion Date		Total Depth		Plug Back TD 5922		Elevation 6256 GL		Farm or Lease Name Gallegos <i>Com</i>	
Csg. Size 5 1/2	Wt.	d	Set At 5943	Perforations: From 5849 To 5875		Well No. 6			
Tbg. Size 2 3/8	Wt.	d	Set At 5767	Perforations: From To		Unit Sec. Twp. Rge. <i>N-32-26N-11W</i>			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 155 @ 5700		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
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.	
SI							1715		1738	
1.	2 x 3/4						996	90	1402	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		1008	.9715	.9608	1.086	12637
2.							
3.							
4.							
5.							

NO.	P _t	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
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1750 P _c ² 3062500			
NO.	P _t ²	P _w	P _w ²
1		1414	1999396
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.8807$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2111$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 27942$

RECEIVED

NOV 12 1973

OIL CON. COM.

DIST. 3

Absolute Open Flow	27942	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

Approved By Commission: NOV 11 1973	Conducted By:	Calculated By: N. Tefteller	Checked By:
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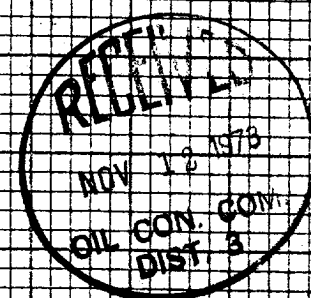
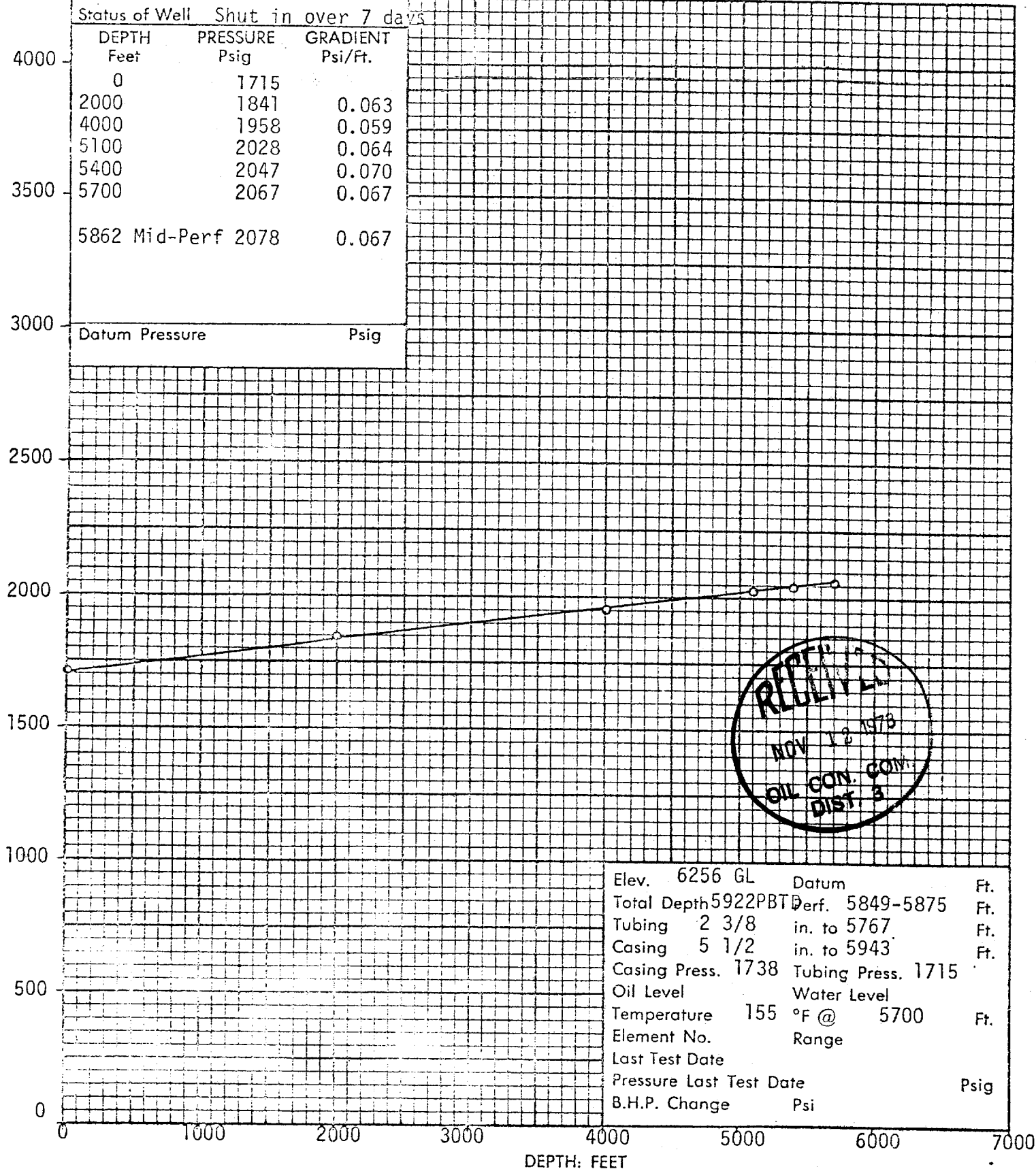
Company TENNECO OIL COMPANY Lease GALLEGOS Well No. 6
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date AUGUST 12, 1973

Status of Well Shut in over 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1715	
2000	1841	0.063
4000	1958	0.059
5100	2028	0.064
5400	2047	0.070
5700	2067	0.067
5862 Mid-Perf	2078	0.067

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev. 6256 GL	Datum	Ft.
Total Depth 5922 PBT	Perf. 5849-5875	Ft.
Tubing 2 3/8	in. to 5767	Ft.
Casing 5 1/2	in. to 5943	Ft.
Casing Press. 1738	Tubing Press. 1715	
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