NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

RECEIVED
JUL 6 1967
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7-6-67	
Company: Tenneco Oil Co.		Connection:			
Pool:		Formation: Pictured Cliffs			Unit:
Completion Date:	Total Depth:	Plug Back TD: 2753	Elevation:		Farm or Lease Name: State Com. "G"
Csg. Size: 3.5	Wt.:	d:	Set At: 2753	Perforations: From 2726 To 2753	Well No.: 8
Tbg. Size:	Wt.:	d:	Set At:	Perforations: From To	Unit: 1 Sec.: 16 Twp.: 30 Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single				Packer Set At:	County: San Juan
Producing Thru: Csg	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	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							817		
1.	2 3/4						266	60	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		278	1.000	.9608	1.028	3400
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 829 P_c^2 687241

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	77284	300	90316	596925
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1513$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1272$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3832$

Absolute Open Flow 3832 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Neil Tefteller	Checked By:

JEFTELLER, INC.
reservoir engineering data
MIDLAND, TEXAS

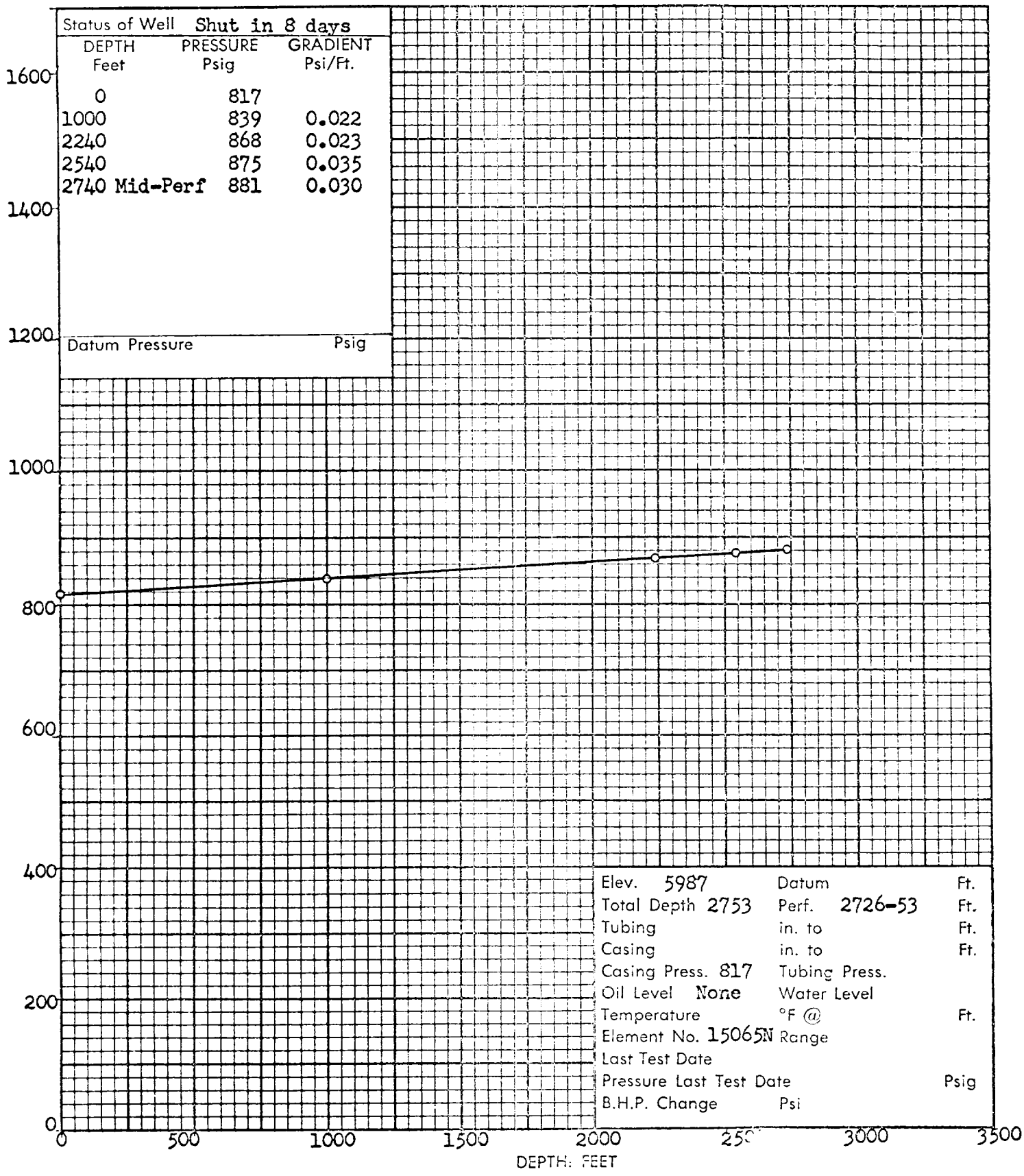
File 2-2423-ACF

Company TENNECO OIL COMPANY Lease STATE COM. "G" Well No. 8
Field County SAN JUAN State NEW MEXICO
Formation PICTURED CLIFFS Test Date JULY 7, 1967

Status of Well Shut in 8 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	817	
1000	839	0.022
2240	868	0.023
2540	875	0.035
2740 Mid-Perf	881	0.030

Datum Pressure Psig



Elev. 5987		Datum	Ft.
Total Depth 2753		Perf. 2726-53	Ft.
Tubing		in. to	Ft.
Casing		in. to	Ft.
Casing Press. 817		Tubing Press.	
Oil Level None		Water Level	
Temperature		°F @	Ft.
Element No. 15065N		Range	
Last Test Date			
Pressure Last Test Date			Psig
B.H.P. Change		Psi	