

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122

Revised 12-1-55

Pool		Formation Pictured Cliffs				County San Juan	
Initial X		Annual		Special		Date of Test 4-1-66	
Company Tenneco Oil Co.			Lease Florance			Well No. 52	
Unit H L	Sec. 20	Twp. 30	Range 9		Purchaser		
Casing 3 1/2	Wt.	I.D.	Set at 2937		Perf. 2800	To 2812	
Tubing	Wt.	I.D.	Set at		Perf.	To	
Gas Pay:	From	To	L	G	GL	Bar. Press.	
					.650	1820	12.0
Producing Through:		Casing X	Tubing			Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer			Reservoir Temp. 128		

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.								823		3 hrs
2.		3/4						244	60	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{F_w P_f}$	Pressure psia	Flow Temp. Factor F_f	Gravity Factor F_g	Compress. Factor F_{cv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	12.3650		256	1.000	.9608	1.031	3042
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c **3.068** (1-e^{-S}) **0.124** P_c **835** P_c^2 **697225**

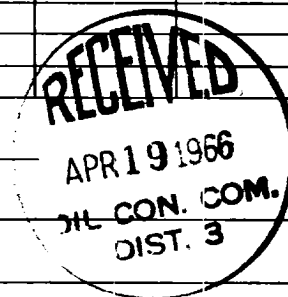
No.	$\frac{P_w}{P_t}$ psia	F_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Calc. $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.	244	59.536	9.333	87.104	10.801	70.337	626.888		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3329** MCFPD; n **.85** **1.0945**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 1814, Durango, Colorado 81301** COMPANY _____

AGENT AND TITLE **J. E. Massey** **J. E. Massey**
District Production Engineer

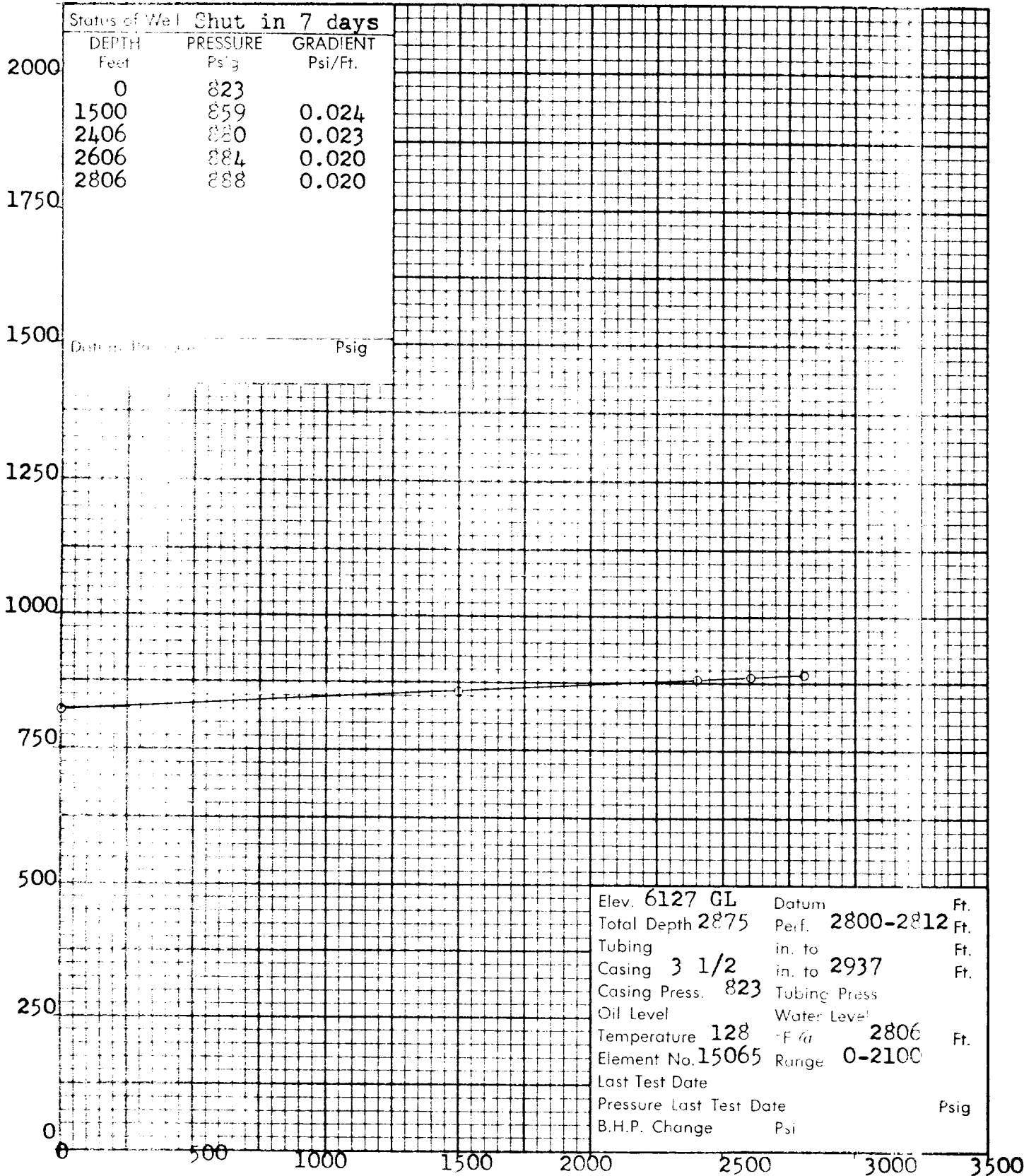


Company TENNECO OIL COMPANY Lease FLORANCE Well No. 52
 Field _____ County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date APRIL 1, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	823	
1500	859	0.024
2406	880	0.023
2606	884	0.020
2806	888	0.020

PRESSURE POUNDS PER SQUARE INCH GAUGE



Elev. 6127 GL	Datum	Ft.
Total Depth 2875	Perf. 2800-2812	Ft.
Tubing	in. to	Ft.
Casing 3 1/2	in. to 2937	Ft.
Casing Press. 823	Tubing Press	
Oil Level	Water Level	
Temperature 128	°F @ 2806	Ft.
Element No. 15065	Range 0-2100	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	