

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

Form C-122
Revised 12-1-55

File

Pool <u>Blanco</u> Undesignated Pictured Cliffs		Formation <u>Pictured Cliffs</u>		County <u>San Juan</u>	
Initial <u>X</u>	Annual	Special	Date of Test <u>7-13-66</u>		
Company <u>Tenneco Oil Co.</u>		Lease <u>Florance</u>		Well No. <u>71</u>	
Unit	Sec. <u>24</u>	Twp. <u>29</u>	Range <u>9</u>	Purchaser	
Casing <u>3.5</u>	Wt.	I.D.	Set at <u>3092</u>	Perf. <u>2962</u>	To <u>3003</u>
Tubing	Wt.	I.D.	Set at	Perf.	To
Gas Pay:	From	To	L	G	GL Bar. Press.
				<u>.550</u>	<u>1925</u> <u>12.0</u>
Producing Through:		Casing <u>X</u>	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual <u>Single</u>	
Date of Completion		Packer	Reservoir Temp. <u>104</u>		

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.		<u>3/4</u>						<u>876</u>		<u>3 Hrs.</u>
2.								<u>42</u>	<u>60</u>	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 15,025 psia
1.	<u>12.3650</u>		<u>54</u>	<u>1.000</u>	<u>.9608</u>		<u>643</u>
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 3.055 $(1-e^{-S})$ 0.131 P_c 888 P_c^2 788544

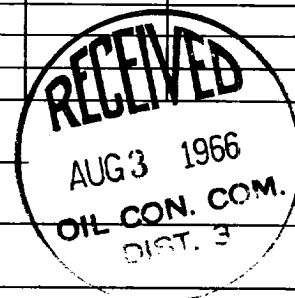
No.	$\frac{P_w}{P_t}$ psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.	<u>54</u>	<u>2916</u>	<u>1964</u>	<u>3857</u>	<u>505</u>	<u>3421</u>	<u>785123</u>		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 645 MCFPD; n .85 1.0037

COMPANY Tenneco Oil Company WITNESSED _____

ADDRESS P. O. Box 1714, Durango, Colorado COMPANY _____

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



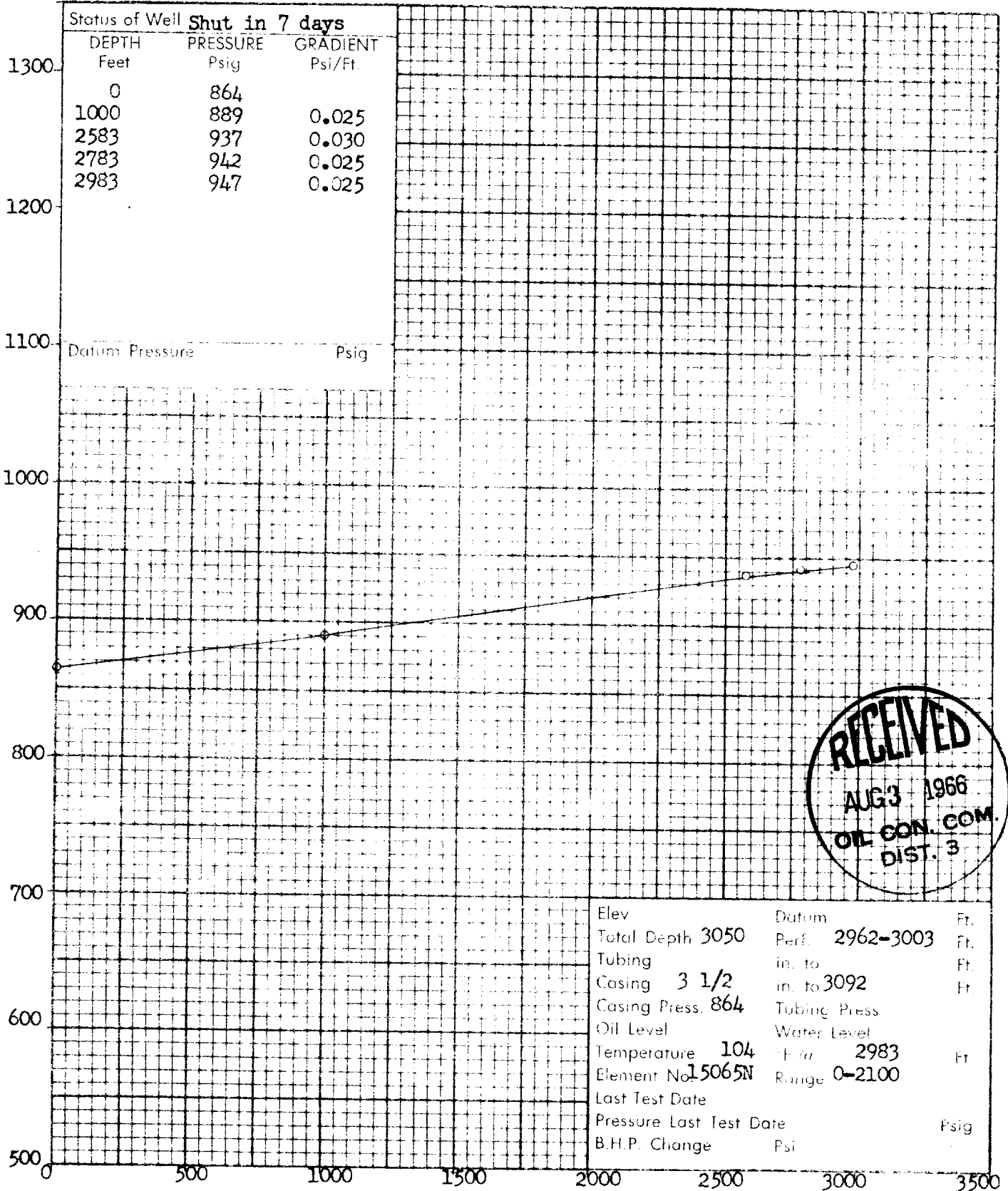
Company TENNECO OIL COMPANY Lease FLORANCE Well No 71
 Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date JULY 13, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	864	
1000	889	0.025
2583	937	0.030
2783	942	0.025
2983	947	0.025

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE



RECEIVED
 AUG 3 1966
 OIL CON. COM.
 DIST. 3

Elev	Datum	Ft.
Total Depth 3050	Perf. 2962-3003	Ft.
Tubing	in. to	Ft.
Casing 3 1/2	in. to 3092	Ft.
Casing Press. 864	Tubing Press	
Oil Level	Water Level	
Temperature 104	THW 2983	Ft.
Element No. 15065N	Range 0-2100	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	

DEPTH: FEET