

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

Form C-122
Revised 12-1-55

Pool Basin Dakota			Formation Dakota			County San Juan		
Initial X		Annual		Special		Date of Test 4-6-66		
Company Tenneco Oil Co.			Lease Storey "C"			Well No. 1		
Unit P	Sec. 34	Twp. 28	Range 9		Purchaser			
Casing 4.5	Wt. 10.5	I.D.	Set at 7010		Perf. 6726	To 2901		
Tubing 2.375	Wt. 4.7	I.D.	Set at 6861		Perf.	To		
Gas Pay:	From	To	L	G .650	GL	Bar. Press. 12.0		
Producing Through:		Casing	Tubing X Z		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion		Packer		Reservoir Temp. 186				

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.						1720		1820		3 hr.
2.		3/4				141	60	755		
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.	12.3650		153	1.000	.9608	1.015	1842
2.							
3.							
4.							
5.							

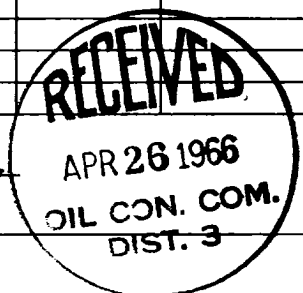
PRESSURE CALCULATIONS									
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____				
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____				
F _c _____ (1-e ^{-S}) _____					P _c 1832 P _c ² 3356224				
No.	$\frac{P_w}{P_t}$ psia	P _t ²	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.	767					588289	2767935		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2128** MCFPD: n **.75** **1.1554**

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 STOREY "C" Well No. 1
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date APRIL 6, 1966

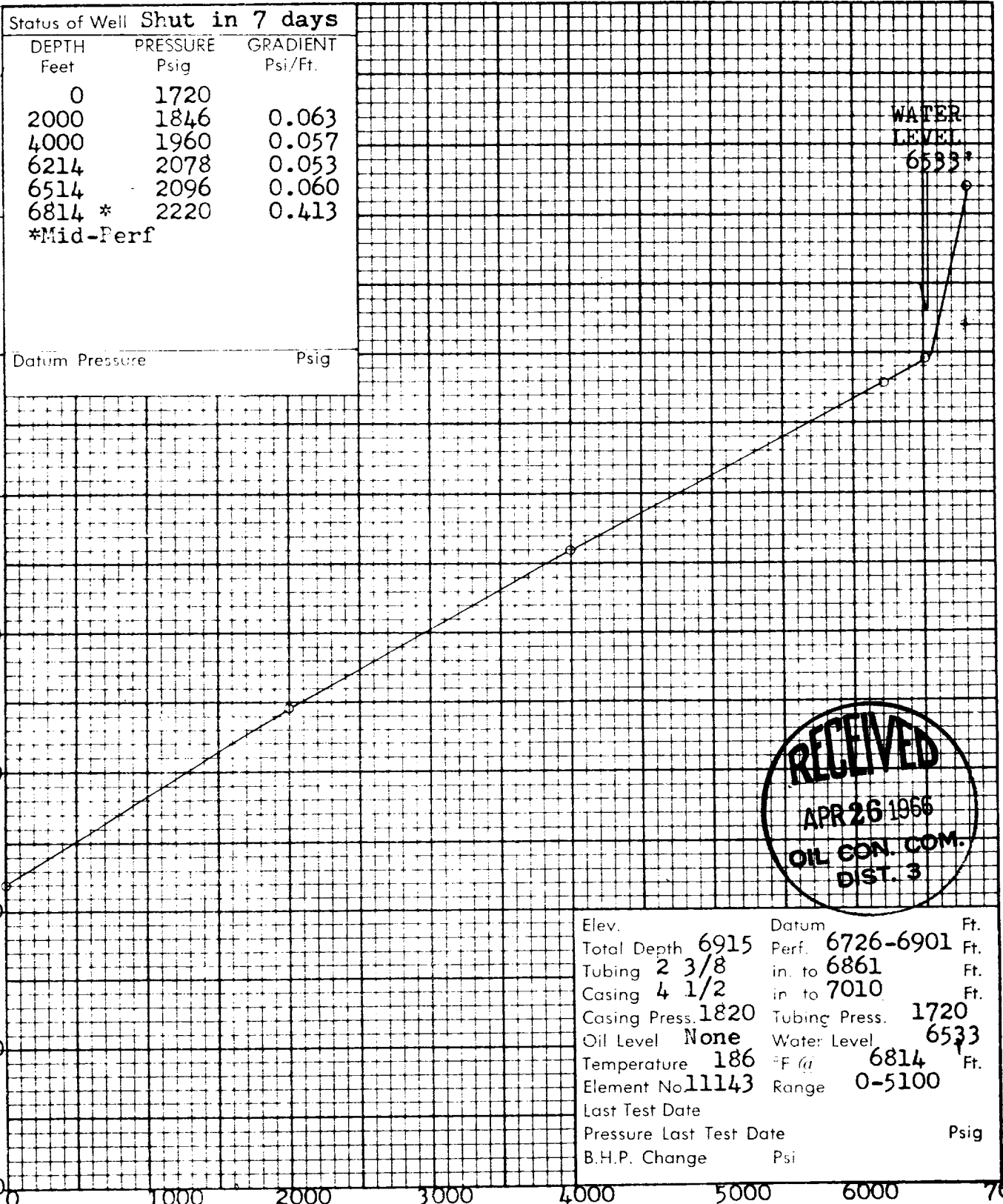
Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1720	
2000	1846	0.063
4000	1960	0.057
6214	2078	0.053
6514	2096	0.060
6814 *	2220	0.413
*Mid-Perf		

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

2300
2200
2100
2000
1900
1800
1700
1600
1500



Elev.	Datum	Ft.
Total Depth 6915	Perf. 6726-6901	Ft.
Tubing 2 3/8	in. to 6861	Ft.
Casing 4 1/2	in. to 7010	Ft.
Casing Press. 1820	Tubing Press. 1720	
Oil Level None	Water Level 6533	
Temperature 186	°F @ 6814	Ft.
Element No. 11143	Range 0-5100	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	