

**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 I		Annual		Special		Date of Test Jan. 3, 1966		
Company Tenneco Oil Co.				Lease Schwerdtfeger A			Well No. #1	
Unit C	Sec. 36	Twp. 28N	Range 9W		Purchaser			
Casing 4 1/2	Wt.	I.D.	Set at 6767		Perf. 6496	To 6719		
Tubing 2 3/8	Wt.	I.D.	Set at 6697		Perf.	To		
Gas Pay:	From	To	L	G .650	GL	Bar. Press. 12.0		
Producing Through:		Casing	Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion		Packer			Reservoir Temp. 184			

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps			
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
	3/4				1946		1946		3 Hr.
					332	60	1008		

FLCW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P.D. @ 15.025 psia
	12.3650		344	1.000	.9608	1036	4229

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 **1958** P_c² **3833764**

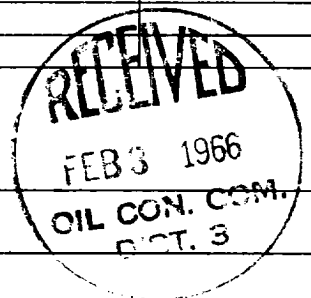
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	1020					1040400	2793364		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5362** MCFPD; n **.75** **1.2680**

COMPANY **TENNECO OIL COMPANY** WITNESSED _____

ADDRESS **P. O. Box 1744 - Durango, Colorado** COMPANY _____

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



Company TENNECO OIL COMPANY Lease SCHWEROTFEGER Well No. A-1
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date JANUARY 3, 1966

Status of Well **Shut in 18 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1937	
2000	2064	0.064
4000	2194	0.065
6000	2311	0.059
6300	2330	0.063
6600	2349	0.063
6607 Mid-Perf	2349	0.063

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

2600
2400
2200
2000
1800
1600
1400
1200
1000

DEPTH: FEET

Elev. 5927 GL Datum
 Total Depth 6738 Perf. 6496-6719
 Tubing 2 3/8 in. to 6697
 Casing 4 1/2 in. to 6767
 Casing Press. 1946 Tubing Press 1946
 Oil Level None Water Level None
 Temperature 184 °F @ 6600
 Element No. 14441 Range 0-4600
 Last Test Date
 Pressure Last Test Date
 B.H.P. Change Psi



Psig

8750

1955-1956
SPRING 1956
OIL COMPANY
DENVER, COLORADO