

**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. 2			
Unit M	Sec. 35	Twp. 28	Range 9		Purchaser						
Casing 4.5	Wt. 10.5	I.D.	Set at 6962		Perf. 6774		To 6837				
Tubing 2.375	Wt. 4.7	I.D.	Set at 6837		Perf.		To				
Gas Pay:		From	To	L	G	GL		Bar. Press. 12.0			
Producing Through:		Casing	Tubing X		Type Well — Single — Braden head — G.G. or G.O. Dual Single						
Date of Completion		Packer		Reservoir Temp. 180							
OBSERVED DATA											
Tested Through:		Prever ☐	Choke ☒	Meter ☐		Type of Taps					
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.		
	(Prever) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. in w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.	
1.						1743		1780			
2.		3/4				127	60	544	3 hr.		
3.											
4.											
5.											
FLOW CALCULATIONS											
	Coefficient (24 Hour)	$\sqrt{\frac{P_w}{P_f}}$	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				
1.	12.3650		139	1.000	.9608	1.014	1669				
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 1792 P_c^2 3211264						
No.	P_w psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	C_d P_w	$\frac{P_w}{P_c}$		
1.	556					306136	2905128				
2.											
3.											
4.											
5.											

ABSOLUTE POTENTIAL: **1799** MCFPD; n **.75** **1.0780**

COMPANY **Tenneco Oil Company**

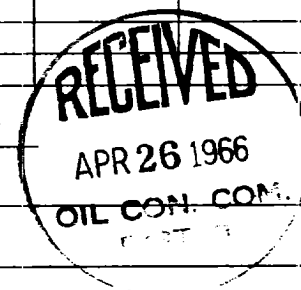
WITNESSED _____

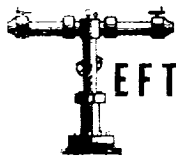
ADDRESS **P. O. Box 1714, Durango, Colorado**

COMPANY _____

AGENT AND TITLE

J. E. Massey **J. E. Massey**
District Production Engineer





EFTTELLER, INC.

reservoir engineering data

MIDLAND, TEXAS

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File 2-1912-P

Company TENNLCO OIL COMPANY Lease STOREY "C" Well No. 2
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation BAKOTA Test Date APRIL 6, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft
0	1743	
2000	1867	0.062
4000	1978	0.056
6205	2099	0.055
6505	2117	0.060
6805 *	2160	0.143
*Mid-perf		

Datum Pressure

Psig

WATER
LEVEL
6740

RECEIVED

APR 26 1966

OIL CON. COM.
DIST. 3

Elev.	Datum	Ft.
Total Depth 6850	Perf 6774-6837	Ft.
Tubing 2 3/8	into 6837	Ft.
Casing	into	Ft.
Casing Press. 1780	Tubing Press 1743	
Oil Level	Water Level 6740	
Temperature 180	Ft. 6805	Ft.
Element No. 11143	Range 0-5100	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change	Psi	

PRESSURE POUNDS PER SQUARE INCH GAUGE

2300

2200

2100

2000

1900

1800

1700

1600

1500

0 1000 2000 3000 4000 5000 6000 7000
DEPTH FEET