

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 12-2-65					
Company Tenneco Oil Co.				Lease Florance				Well No. 36			
Unit H	Sec. 3	Twp. 30 N	Range 8 W		Purchaser						
Casing 4.5	Wt. 10.5 11.6	I.D.	Set at 7810		Perf. 7574		To 7754				
Tubing 2.375	Wt. 4.7	I.D.	Set at 7510		Perf.		To				
Gas Pay:	From	To	L	G	GL	Bar. Press.					
				.650	4882	12.0					
Producing Through:		Casing	Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Dual - Gas						
Date of Completion		Packer 7810			Reservoir Temp. 224						
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.		3/4				2525		Flr.			
2.						542	84	Flr.		3 Hrs.	
3.											
4.											
5.											
FLOW 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 PD @ 15.025 psia				
1.	12.3650		554	.9777	.9608	1.049	6850				
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 9.402 (1-e ^{-S}) 0.299					P _c 2537 P _c ² 6436369						
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻³)	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$		
1.	554	306.916	64.404	4147875	1240.215	1547.131	4889238				
2.											
3.											
4.											
5.											

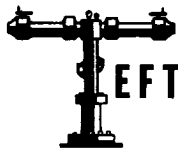
RECEIVED
DEC 10 1965
OIL CON. COM
DIST 3

ABSOLUTE POTENTIAL: **8418** MCFPD; n **.75 (1.2289)**

COMPANY **Tenneco Oil Company** WITNESSED _____

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

AGENT AND TITLE **J. E. Massey** Distribution:
3 - New Mexico Oil Conservation Commission
1 - Continental



EFTELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

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File 2-1759-AOF

Company TENNECO OIL COMPANY Lease FLORANCE Well No. 36
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date DECEMBER 2, 1965

Status of Well <u>Shut in</u>		
DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	2524	
2000	2639	0.058
4000	2750	0.056
6850	2916	0.058
7150	2932	0.053
7450	2949	0.057
7663	2961	0.057
Datum Pressure Psig		

PRESSURE POUNDS PER SQUARE INCH GAUGE

3600

3400

3200

3000

2800

2600

2400

2200

2000

Elev. 6284 DF Datum Ft.
Total Depth 7810 Perf. 7574-7751 Ft.
Tubing 2 3/8 in. to 7510 Ft.
Casing 4 1/2 in. to Ft.
Casing Press. Pkr. Tubing Press. 2525
Oil Level None Water Level None
Temperature 224 °F @ 7450 Ft.
Element No. 14441 Range 0-4600
Last Test Date
Pressure Last Test Date Psig
B.H.P. Change Psi

DEPTH- FEET

