

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

Form C-122
Revised 12-1-55

Pool Undesignated Pictured Cliffs				Formation Pictured Cliffs				County San Juan			
Initial X		Annual		Special		Date of Test 4-7-66					
Company Tenneco Oil Co.				Lease Florance				Well No. 61			
Unit A		Sec. 12		Twp. 29		Range 9		Purchaser			
Casing 3.5		Wt. 7.7		I.D.		Set at 3038		Perf. 2905		To 2925	
Tubing		Wt.		I.D.		Set at		Perf.		To	
Gas Pay:		From		To		L .650		G 1888		GL 12.0	
Producing Through:		Casing X		Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single					
Date of Completion				Packer				Reservoir Temp. 102			
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.								924			
2.		3/4						129	60	3 hrs	
3.											
4.											
5.											
6.											
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 P.D. @ 15,025 psia				
1.	12.3650		141	1.000	.9608	1.014	1694				
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 3.068 (1-e ^{-S}) 0.128						P _c 936 P _c ² 876096					
No.	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	P _w /P _c		
1.	141	19881	5197	27.009	3457	23338	852758				
2.											
3.											
4.											
5.											

ABSOLUTE POTENTIAL: 1733 MCFPD; n .85 1.0232

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. 61
 Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date APRIL 7, 1966

Status of Well Shut in 7 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	924	
1500	964	0.027
2515	991	0.027
2715	996	0.025
2915*	1001	0.025

*Mid-Perf

PRESSURE POUNDS PER SQUARE INCH GAUGE

Bottom Pressure Psig



Elev. 6279 GR Datum Ft.
 Total Depth 2970 Perf. 2905-2925 Ft.
 Tubing in. to Ft.
 Casing 3 1/2 in. to 3038 Ft.
 Casing Press. Tubing Press 924
 Oil Level Water Level
 Temperature 102 °F at 2915 Ft.
 Element No. 15065 Range 0-2100
 Last Test Date
 Pressure Last Test Date Psig
 B.H.P. Change Psi

0 500 1000 1500 2000 2500 3000 3500
 DEPTH - FEET