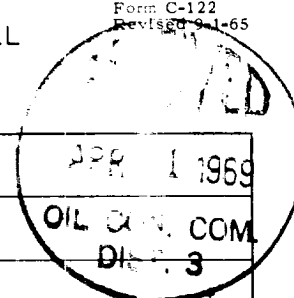


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 1-65



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-10-69					
Company Tenneco Oil Co.						Connection					
Pool Pictured Cliffs						Formation Pictured Cliffs					
Completion Date			Total Depth 2858		Plug Back TD 2794		Elevation 6023		Name or Lease Name Riddle Com.		
Csg. Size 3.5	Wt. 7.7	d	Set At 2828	Perforations: From 2741 To 2767		Wrl No. 3					
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit 0	Sec. 21	Twp. 30	Rge. 9		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan			
Producing Thru Casing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Dis			

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI									631		
1.	2 x 3/4								291	60	3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	21.3650		303	1.000	.9608	1.031	3710
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
1					Specific Gravity Separator Gas _____ X X X X X X X X	
2.					Specific Gravity Flowing Fluid _____ X X X X X	
3.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
4.					Critical Temperature _____ R _____ R	
5.						

P _c 643	P _c ² 413449		
NO.	P _t ²	P _w	P _w ²
1		327	107036
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3493$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2897$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4785$

Absolute Oper. Flow	4785	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: Neil Tefteller	Checked By:
-------------------------	---------------	----------------------------------	-------------

Company TENNECO OIL COMPANY Lease RIDDLE COM. Well No. 3
 Field PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date MARCH 10, 1969

Status of Well Shut in 9 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	631	
1000	646	0.015
2354	670	0.018
2554	674	0.020
2754 Mid-Perf	678	0.020

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

