

NEW MEXICO OIL CONSERVATION COMMISSION
TWO POINT AND ONE POINT BACK PRESSURE TEST FOR GAS WL

2-1
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☒ Initial ☐ Annual ☐ Special					Test Date 5-25-67	
Company Tenneco Oil Company				Connection		
Pool South Blanco Mesa Verde				Formation Mesa Verde		Unit
Completion Date		Total Depth 7774		Plug Back TD 7740		Elevation
Csg. Size 1 1/2		Wt. d		Set At 7774		Perforations: From 4953 To 5270
Tbg. Size 2.375		Wt. d		Set At 7430		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 7430		Well No. C-7
Dual Gas				County Rio Arriba		State New Mexico
Producing Thru Gas		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0		Baro. Press. - P _a
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

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.	
1.	2 x 3/7						Pkr.		1092	
2.							Pkr.		251	60
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, Mcfd
1.	12.3650		263	1.000	.9608	1.027	3215
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °F	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
				Specific Gravity Separator Gas _____ X X X X X X X X			
				Specific Gravity Flowing Fluid _____ X X X X X			
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R							

P _c 1104	P _c ² 1218816		
NO.	P _r ²	P _w	P _w ²
1.	69169	318	101373
2.			
3.			
4.			
5.			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0907}{1.0672}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0672}{1.0672}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3431$$

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Absolute Open Flow	3431	Mcf/d @ 15.025	Angle of Slope °	Slope, n .75
Remarks:				
Approved By Commission:				
Conducted By:		Calculated By: Neil Tefteller		Checked By: <i>[Signature]</i>

RECEIVED

JUN 19 1967

TENNECO OIL COMPANY
DURANGO, COLORADO