

MULTIPOINT AND IE POINT BACK PRESSURE TEST R GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/24/87			
Company Tenneco Oil Co.				Connection					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date		Total Depth 3062		Plug Back TD 3028		Elevation		Farm or Lease Name Mudge	
Csg. Size 7" 2 7/8"		Wt. 23 # 6.5#		Set At 238 3062		Perforations: 2872 2892 From 2812 To 2858		Well No. 54	
Trg. Size		Wt.		Set At		Perforations: From To		Unit Sec. Twp. Rge. A 1 31N 11W	
Type Well - Single - Drivenhead - G.C. or G.O. Multiple						Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico	
L		H		G _g .668		% CO ₂		% N ₂	
						% H ₂ S		Prover	
								Meter Run	
								Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Flow 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									592		
1.	2x6x.750								139	53	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		151	1.007	1.224	1.017	2082
2.							
3.							
4.							
5.							

NO.	R _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.23	513	1.332	.967						
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	604	151	22801	342015
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.066$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.056$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2198$			

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n _____ .85	
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Remarks: <u>slimhole</u>			
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Approved by Division	Conducted by:	Calculated by: <i>Richard McKittrick</i>	Checked by:
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