

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/7/88				
Company Tenneco Oil Co.				Connection El Paso Natural Gas					
Pool Blanco South				Formation Pictured Cliff				Unit San Juan 28-7	
Completion Date 9/19/88		Total Depth 3549		Plug Back TD 3505		Elevation 6580		Farm or Lease Name San Juan 28-7	
Csg. Size 4.5	Wt. 10.5	d 	Set At 3549	Perforations: From 3331 To 3394		Well No. 264			
Thq. Size 2.375	Wt. 4.7	d 	Set At 3398	Perforations: From To		Unit A	Sec. 24	Twp. 28N	Rye. 7W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At N/A		County Rio Arriba		
Producing Thru 		Reservoir Temp. °F 		Mean Annual Temp. °F 		Baro. Press. - P _a 		State New Mexico	
L 	H 	C _g .650	% 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.	
SI							773		773	
1.	2"x6"x.750						172		317	58
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, Mcd
1	11.0		184	1.002	1.249	1.022	2570
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	OIL CON. DIV	Mcf/bbl.
1.	0.274	518	1.381	0.959	A.P.I. Gravity of Liquid Hydrocarbons	DIST. 3	Deq.
2.					Specific Gravity Separator Gas		XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX	
4.					Critical Pressure	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	R	R

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		329	108241	507984
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.213$

AOF = Q $\left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 3028$

(2) $\left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 1.1784$

Absolute Open Flow	Mcd @ 15.025	Angle of Slope @	Slope, n .85
Remarks:			

Approved By Division	Conducted By: Frank Harris	Calculated By: Ken Johnson	Checked By:
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