

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 1/6/88						
Company TENNECO OIL CO.					Connection EL PASO NATURAL GAS						
Pool BLANCO					Formation MESA VERDE					Unit	
Completion Date 12/23/87			Total Depth 5750		Plug Back TD 5680		Elevation 6449 GL		Farm or Lease Name HUGHES		
Coq. Size 7.0- 4.5		Wt. 23-10.5		d 4.05		Set At 3780-5747		Perforations: From To		Well No. LS 5A	
Tqg. Size 2 3/8		Wt. 4.6'		d 1.99		Set At 5310		Perforations: From 4688 To 5611		Unit Sec. Twp. Rge. E 21 29N 8W	
Type Well - Single - Rindendhead - G.C. or G.O. Multiple SINGLE COMPLETION								Packer Set At NONE		County SAN JUAN	
Producing Thru			Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO		
L		H		Cq .68		% 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.	Temp. °F	
SI							603		607		
1.	2x6x.750						278		557	51	3hrs.
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.		290	1.009	1.213	1.033	4033
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _g	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	0.433	511	1.327	0.937						
2.										
3.										
4.										
5.										

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 OIL CON. DIV.
 DIST. 3

P _r 619		P _r ² 383,161		(1) $\frac{P_r^2}{P_e^2 - P_w^2} = 6.45052$		(2) $\left[\frac{P_r^2}{P_e^2 - P_w^2} \right]^n = 4.048$	
NO.	P _i	P _w	P _i ²	P _w ²	P _i ² - P _w ²		
1		569	323761		59400		
2							
3							
4							
5							

AOF = Q $\left[\frac{P_r^2}{P_e^2 - P_w^2} \right]^n = 16,324$

Absolute Crm Flow 16,324		Mcfd @ 15.025		Angle of Slope @		Slope, n .75	
Remarks:							

Approved By: Division	Conducted By: CHUCK ARCHER	Calculated By: JACK BIRCHFIELD	Checked By:
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