

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10/21/85			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation PICTURED CLIFF				Unit	
Completion Date		Total Depth 5944		Plug Back TD 5926		Elevation		Farm or Lease Name HUGHES A LS	
Gas. Size 7" Wt. 4 1/2"	d	Set At 3559	Perforations: From 3238 To 3278		Well No.		3A		
Trq. Size 1 1/4"	d	Set At 3249	Perforations: From To		Unit		Sec.	Twp.	Rge.
						C		27	29
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At 3300		County SAN JUAN	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L	H	G _g .680	% CO ₂	% N ₂	% H ₂ S	Prover	Meier 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							850		883		
1.	2x6x.75						168		698	56	3 hours
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		180	1.004	1.213	1.0201	2460
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.
1.	.27	516	1.34	.961	A.P.I. Gravity of Liquid Hydrocarbon	Deq.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 895 P _c ² 801025		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6977$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3246$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1		710	504100	296925	
2					
3					
4					
5					

Absolute Open Flow 5718		Mcfd @ 15.025		Angle of Slope θ		Slope, n .85	
Remarks:							
Approved by Division		Conducted by:		Calculated By:		Checked By:	