

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	
Completion Date		Total Depth 5699	Plug Back TD 5681
Elevation		Farm or Lease Name HUGHES	
Csg. Size 7" Wt. 4 1/2"	Set At 3360	Perforations: From 3025 To 3123	Well No. LS 1A
Trq. Size 1 1/4"	Set At 3115	Perforations: From To	Unit Sec. Twp. Rge. D 19 29 8
Type Well - Single - Dradenhead - G.C. or G.O. Multiple		Packer Set At 3200	County SAN JUAN
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	State NEW MEXICO
L	H	Cg .680	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run Taps	

FLOW DATA

TUBING DATA

CASING DATA

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	Duration of Flow
SI							500		516		
1.	2x6x.75						81		206	60	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 Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11		93	1.000	1.213	1.0101	1253
2.							
3.							
4.							
5.							

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DIST. 3

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.14	520	1.35	.980						
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	528	218	47524	231260	1.2055	1.1721
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1468$$

Absolute Open Flow 1468		Mcf @ 15.025		Angle of Slope @		Slope, n .85	
Remarks:							
Approved By Division		Conducted By:		Calculated By:		Checked By:	