

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-19-77	
Company Tom L. Ingram		Connection None	
Pool White Ranch		Formation Mississippian	
Completion Date 8-19-77		Total Depth 8810'	
Plug Back To 8682'		Elevation 3768' GL	
Casing Size 5 1/2"		Well No. 4	
WT. 17.0		Set At 8810'	
Perforations: From 8502' To 8535'		Well No. 4	
Thg. Size 2 7/8"		WT. 6.40	
Set At 8428'		Perforations: Open Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 8398'	
Producing Thru Tubing		Reservoir Temp. °F 167 @ 8420'	
Mean Annual Temp. °F 60		Baro. Press. - P _c 13.2	
State New Mexico		County Chaves	
L 8520		H -	
Gg 0.6802		% CO ₂ 1.166	
% N ₂ 1.512		% H ₂ S 0.000	
Prover X		Meter Run F	

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. DWT	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2328	92	PACKER		144.0
1.	4	5/64	1.000	270	13	100	2290				1.0
2.	4	6/64	1.000	270	29	105	2102				1.0
3.	4	7/64	1.000	270	42	105	1975				1.0
4.	4	9/64	1.000	270	57	105	1817				1.0
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	4.753	60.69	283.2	0.9636	1.213	1.023	344.92
2	4.753	90.62	283.2	0.9594	1.213	1.022	512.28
3	4.753	109.07	283.2	0.9594	1.213	1.022	616.57
4	4.753	127.06	283.2	0.9594	1.213	1.022	718.27
5							

NO.	P _t	Temp. °R	T _r	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	0.42	560	1.49	0.956	Dry Gas	-	0.6802	X X X X X X X X	674	375
2	0.42	565	1.50	0.957						
3	0.42	565	1.50	0.957						
4	0.42	565	1.50	0.957						
5										

NO.	P _t	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		2861.2	8186.5	689.1	12.88	6.01
2		2767.2	7657.4	1218.2		
3		2698.2	7280.3	1595.3		
4		2622.2	6875.9	1999.7		
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2073$

Absolute Open Flow	2073	Mcfd @ 15.025	Angle of Slope	55° 0'	Slope, n	0.701
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Remarks: * BHP @ (-4752') 8520' Used for Pressure Calculations

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jarrel Services, Inc.	Joe A. Coleman	Joe A. Coleman