

4-File
Form C-122
Revised 9-1-63

JAN 10 1984

O. C. D.

~~ARTESIA, OFFICE~~

Type Test 4 POINT ☒ Initial ☐ Annual ☐ Special		Test Date 11-29-83		JAN 10 1984	
Company CHAMA PETROLEUM ✓		Connection AIR NEW WELL			
Pool MORROW		Formation MORROW		Unit ARTESIA, OFFICE	
Completion Date		Total Depth 9484		Plug Back To 9371	
				Elevation 3456	
Casing Size 4.500		Wt. 11.6		Set At 4.000	
Perforations: From 9319 To 9328		Well No. #1			
Tubing Size 2.375		Wt. 4.7		Set At 1.995	
Perforations: From 0 To 0		Unit G 27		Egc. Twp. Rye. 19S 25E	
Type Well - Single - Bradenhead - G.O. or G.O. Multiple SINGLE				Packoff Set At 9182	
Producing thru TUBING				State NEW MEXICO	
Reservoir Temp. °F 206 @ 9323		Mean Annual Temp. °F 60.0		Baro. Press. - P _a 13.2	
L 9323		H 9323		Cg 0.583	
% CO ₂ 0.79		% N ₂ 0.52		% H ₂ S 0	
Prover 0		Motor Run 4.0		Tape FLANGE	

FLOW DATA						TUBING DATA		B.H.P. DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		CHOKE
51							2630		3390		72.0
1.	4.03 X 1.000			200	5.5	80	2224	0	3048	3/64	1.0
2.	4.03 X 1.000			200	8.0	82	2028	0	2856	4/64	1.0
3.	4.03 X 1.000			200	11.0	75	1820	0	2607	5/64	1.0
4.	4.03 X 1.000			200	12.5	65	1614	0	2387	6/64	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	4.75	34.24	213.2	0.9813	1.3097	1.0150	212.
2	4.75	41.30	213.2	0.9795	1.3097	1.0148	256.
3	4.75	48.43	213.2	0.9859	1.3097	1.0155	302.
4	4.75	51.62	213.2	0.9952	1.3097	1.0166	325.
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NO.	R _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.32	540.	1.54	0.971	0	
2	0.32	542.	1.55	0.971	0	
3	0.32	535.	1.53	0.970	0.583	XXXXXXX
4	0.32	525.	1.50	0.968	0.583	XXXXXXX
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NO.	P _i ²	P _w ²	P _w ²	P _i ² - P _w ²	(1) $\frac{P_c^2}{P_i^2 - P_w^2} = 1.9801$	(2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1.4096$
1	9371.	2497.	6235.	1509.		
2	8232.	2338.	5468.	2276.		
3	6865.	2135.	4560.	3184.		
4	5761.	1958.	3833.	3911.		
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Absolute Open Flow 458. Mcfd @ 15.025		Angle of Slope 63.3		Slope, n 0.503	
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Remarks: BOTTOM HOLE PRESSURES MEASURED WITH AMERADA PRESSURE ELEMENTS.

Approved By Commission:	Conducted By: RICHARD TOWNLEY	Calculated By: BENNETT & CATHEY	Checked By:
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