

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-69

C/SF
File Rm

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AUG 19 1983

O. C. D.

ARTESIA, OFFICE

Type Test ☒ Initial FOUR POINT ☐ Annual ☐ Special		Test Date 10-18-82	
Company READ & STEVENS ✓		Connection AIR NEW WELL	
Pool Bullhole Valley Pressure		Formation ATOKA	
Completion Date 10-15-82 11-1-82		Total Depth 8845	
Plug Hole 8552 8773		Elevation 3516	
Well No. 9		Farm or Lease Name HARRIS FEDERAL	
Well Size 4.500		Well No. 9	
Well Size 2.375		Well No. 9	
Well Size 11.6		Well No. 9	
Well Size 4.000		Well No. 9	
Well Size 1.995		Well No. 9	
Well Size 8398		Well No. 9	
Type Well - Single - Freedomhead - G.O. or G.O. Multiple SINGLE		Packer Set At 8400	
Producing Thru TUBING		Reservoir Temp. °F 166 8515	
Mean Annual Temp. °F 60		Base. Press. - P _g 13.2	
L 8515		H 8515	
Q _g 0.631		% CO ₂ 0.30	
% N ₂ 0.42		% H ₂ S 0	
Prover 0		Meter Run 4.0	
Tape FLANGE			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
1	4.03 X	2.000	505
2	4.03 X	2.000	510
3	4.03 X	2.000	515
4	4.03 X	2.000	520
5			
TUBING DATA			
NO.	Prover Line Size	X	Orifice Size
1	4.03 X	2.000	505
2	4.03 X	2.000	510
3	4.03 X	2.000	515
4	4.03 X	2.000	520
5			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_p}$	Pressure P _m
1	19.81	39.43	518.2
2	19.81	56.03	523.2
3	19.81	89.01	528.2
4	19.81	131.64	533.2
5			
Gas Liquid Hydrocarbon Ratio _____ Mol/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas 0.631			
Specific Gravity Flowing Fluid XXXXX			
Critical Pressure 672 P.S.I.A.			
Critical Temperature 367			
1. 2629.3 P _c ² 6913.			
NO.	P ₁ ²	P ₂ ²	R ₁ ²
1	10158.	2559.	6547.
2	9842.	2517.	6337.
3	9231.	2436.	5932.
4	8319.	2310.	5335.
5			
(1) $\frac{P_c^2}{R_1^2 - R_2^2} = 4.3801$			
(2) $\left[\frac{R_1^2}{R_1^2 - R_2^2} \right]^n = 3.4243$			
AOF = Q $\left[\frac{R_1^2}{R_1^2 - R_2^2} \right]^n = 11499.$			
Absolute Open Flow 11499. Mcfd @ 15.025			
Angle of Slope 50.2			
Slope, n 0.833			
Remarks: BOTTOM HOLE PRESSURE MEASURED WITH AMERADA PRESSURE ELEMENTS.			
Approved By Commission:			
Conducted By: DON BENNETT			
Calculated By: BENNETT-CATHEY			
Checked By:			