

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

O. C. D.
ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4/19/84	
Company Gulf Oil Exploration & Production Co. ✓		Connection Air	
Well Avalon Atoka		Formation Atoka	
Completion Date 4/4/84		Total Depth 11450'	
Plug Back TD 11000'		Elevation 3352	
Casing Size 5 1/2"		Set At 11450'	
Well No. 1		Perforations From 10422' To 10855'	
Tub. Size 2 3/8"		Set At 10376'	
Perforations From To		Unit H	
Type Well - Single - Brodenhead - G.C. or G.O. Multiple Single Gas		Packer Set At 10376'	
Producing Thru Tbg		Reservoir Temp. °F 178 @ 10376'	
Mean Annual Temp. °F 60		Base Press. = P _g 13.2	
L 10376'		H 10376'	
C _g .6598		% CO ₂ 1.291	
% N ₂ 7.455		% H ₂ S Prover	
4.026		F	
FLOW DATA			
NO	Prover Line Size	X	Orifice Size
1	4.026	X	.500
2	4.026	X	.500
3	4.026	X	.500
4	4.026	X	1.000
5			
TUBING DATA			
NO	Prover Line Size	X	Orifice Size
1	4.026	X	.500
2	4.026	X	.500
3	4.026	X	.500
4	4.026	X	1.000
5			
RATE OF FLOW CALCULATIONS			
NO	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	1.182	88.873	658.2
2	1.182	130.817	658.2
3	1.182	191.987	658.2
4	4.753	72.840	663.2
5			
NO	P ₁	Temp. °R	T ₁
1	.99	547	1.52
2	.99	552	1.53
3	.99	552	1.53
4	1.00	552	1.53
5			
Gas Liquid Hydrocarbon Ratio Dry			
A.P.L. Gravity of Liquid Hydrocarbons			
Specific Gravity Separator Gas .6598			
Specific Gravity Flowing Fluid			
Critical Pressure 663			
Critical Temperature 360			
Absolute Open Flow 1251			
Mold # 15.025			
Angle of Slope 45°			
Slope, n 1.000			
Remarks:			
Approved by: Jarrel Well Testing, Inc.			
Checked by: Rick Pagan			