

~~ARTESIA, OFFICE~~

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-13-78		ARTESIAN OFFICE	
Company Read and Stevens, Inc.		Contractor El Paso Natural Gas Company		SPUD DATE NOT AVAILABLE	
Well Burton Flat		Formation Atoka		Unit X X	
Completion Date 5-25-78		Total Depth 11470		Elevation 10572	
Casing Size 5 1/2		Set At 11470		From 10518 To 10524	
Casing Size 2 7/8		Set At 10472		From open To ended	
Type of Well - Single - Perforated - G.G. or G.O. Multiple		Perforations 10472		Well No. 1	
Producing Interval Tbg. L 10472 H 10472		Reservoir Temp. °F 179 @ 10472		Mean Annual Temp. °F 60	
Proven		2nd. Press. - P _h 13.2		County Eddy	
G _g		% CO ₂		% H ₂	
G _o		Prover		Meter Run 4"	
Flag		Taps		State New Mexico	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Cutline Size	Press. p.s.i.g.	Diff. hwy	Temp. °F	1. Team p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	4	x	1.000	584	3.24	84	3214				1 hr.
2.	4	x	1.000	584	6.76	86	2999				1 hr.
3.	4	x	1.000	588	13.69	86	2827				1 hr.
4.	4	x	1.000	590	27.04	89	2617				1 hr.
5.							2231				

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mgd
1	4.753	43.99	597.2	.9777	1.280	1.047	274
2	4.753	53.54	597.2	.9759	1.280	1.046	395
3	4.753	90.72	601.2	.9759	1.280	1.047	564
4	4.753	127.71	603.2	.9732	1.280	1.045	790
5							

NO.	P _h	Temp. °F	Z _h	Z	Gas-Liquid Hydrocarbon Ratio	Mcf/cub. ft.
1	.89	51.4	1.50	.912	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2	.89	51.6	1.51	.914	Specific Gravity Separator Gas	.610
3	.90	51.6	1.51	.913	Specific Gravity Flowing Fluid	X X X X X
4	.90	51.9	1.52	.915	Critical Pressure	671
5					Critical Temperature	362

1	3227.2	10,414.8			(1) $\frac{P_h^2}{P_h^2 - P_w^2} = 1.938$	(2) $\left[\frac{P_h^2}{P_h^2 - P_w^2} \right]^n = 1.760$
1	3018.2	9073.3	1341.5			
2	2840.2	8066.7	2343.1			
3	2630.5	6919.5	3495.3			
4	2245.2	5040.2	5373.9			
5						

Angle of Dip (°)	1.390	Angle of Dip (°)	49.5	Angle, n	.854
Bottom hole bomb set at 10520.					

Approved by: Conductor	Conducted by: Bob McMurray	Calculated by: Reggie Reston	Checked by:
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