

Form C-122
Revised 9-1-64

Type Test		Date		Test Date		JUN 27 1978	
Company		Bass Enterprises Prod. Co.		Location		D. S. S. ARTESIA, OFFICE	
Well No.		Morrow		Elevation		Form or Lease Name	
2 3/8		Set At		To		Big Eddy	
Type Well		G.G. or G.O. Multiple		Packer Set At		County	
Producing Interval		Reservoir Temp. °F		Mean Annual Temp. °F		State	
188 s		0		0		New Mexico	
L		Gg		% CO ₂		Prover	
.63		0		0		3.068	
Flow Data		Tubing Data		Casing Data		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. psia/g.	Temp. °F	Press. psia/g.	Temp. °F
1.	3.068		1.125	539	77	3366	72
2.	3.068		1.125	539	74	2575	72
3.	3.068		1.125	547	72	1967	73
4.	3.068		1.125	547	72	1351	73
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (74.404)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Supercompress. Factor F_{sc}	Rate of Flow Q_{sc}
1.	6.000	23.50	552.2	.9840	1.260	1.049	574
2.	6.000	58.18	552.2	.9868	1.260	1.049	628
3.	6.000	71.99	560.2	.9887	1.260	1.051	574
4.	6.000	78.68	560.2	.9887	1.260	1.051	628
5.							
NO.	q_r	Temp. °R	q_r	Z	Gas-Liquid Hydrocarbon Ratio	Mcf/bbl.	
1.	.82	537	1.46	.908	77 to 1	52	
2.	.82	534	1.45	.908	A.P.G. Gravity of Liquid Hydrocarbons	.63	
3.	.82	532	1.45	.906	Specific Gravity Separator Gas	670	
4.					Specific Gravity Flowing Fluid	368	
5.							
NO.	q_w	q_g	$q_g^2 - q_w^2$	$\frac{q_g^2}{q_g^2 - q_w^2} = 1.4285$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3286$		
1.	4460.2	19393	3914				
2.	3377.2	11405	12402				
3.	2672.2	7141	16666				
4.							
5.							
Apparent Permeability		763		Angle of Slope		51.5	
Remarks		Substituted for PT measured with Amerada Instrument 35745 - Third rate used for Calculations					
Approved by		Conducted by		Calculated by		Checked by	