

RECEIVED

Type Test ☒ Initial FEB 3 1978		Test Date 11-18-77		059365	
Company Bass, Perry R. ✓ O.C.C.		None			
Pool Bass monow		Morrow		Unit Big Eddy Unit	
Completion Date Nov. 2, 1977		Total Depth 12,256'		Elevation 3194.7'	
Csg. Size 5 1/2		Set At 11,993		Perforations: From 11,864 To 11,926	
Thq. Size 2 7/8		Set At 11,718'		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11,700'	
Producing Thru Tubing		Reservoir Temp. °F 198 @ 11,895		Mean Annual Temp. °F 68	
		Baro. Press. - P _a 13.2		State New Mexico	
L		H		Cg .63	
		% CO ₂ None		% N ₂ None	
		% H ₂ S None		Prover 4.026	
				Meter Run 4.026	
				Taps Flange	

FLOW DATA						TUBING DATA		CASING 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.	
SI							3630.2		1000	
1.	4.026		.750	223.2	11	54	3216.2	70	1000	60 Min.
2.	4.026		.750	523.2	22.8	90	2914.2	71	1000	60 Min.
3.	4.026		.750	673.2	30.0	120	2578.2	72	1000	60 Min.
4.	4.026		.750	1093.2	40.0	120	2029.2	74	1000	60 Min.
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	2.723	49.55	223.2	1.006	1.260	1.022	175
2	2.723	109.22	523.2	.9723	1.260	1.041	379
3	2.723	142.11	673.2	.9469	1.260	1.041	481
4	2.723	209.11	1093.2	.9469	1.260	1.065	724
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Nil Mcf/bbl.
1	.33	514	1.40	.958	A.P.L. Gravity of Liquid Hydrocarbons --- Deg.
2	.78	550	1.50	.922	Specific Gravity Separator Gas .62 XXXXXXXXXX
3	1.00	580	1.58	.923	Specific Gravity Flowing Fluid XXXXX
4	1.63	580	1.58	.881	Critical Pressure 670 P.S.I.A.
5					Critical Temperature 368 °R

P _r 5012.2		P _w 25122		(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.538$		(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.4988$	
NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²		
1		4653.2	21652	3470			
2		4124.2	17009	8113			
3		3822.2	14609	10513			
4							
5							

Absolute Open Flow 1085 Mcfd @ 15.025		Angle of Slope @ 46.5°		Slope, n .94	
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Remarks: Bottom Hole Pressure Measured with Amerada Instrument No. 35745 - 0-6300#			
Element			
Approved By Commission:	Conducted By: Pyle	Calculated By: Spruell	Checked By: Pyle