

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

30-025-36336

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator BASS ENTERPRISES Prod. Co.				Lease or Unit Name TORY "3" FED			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/5/04	Well No. 1
Completion Date		Total Depth 14425		Plug Back TD 13878		Elevation 3695 GL	Unit Ltr - Sec - TWP - Rge 3 21S 32E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 14425	Perforations: From: 12974 To: 13008			County LEA
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 12930	Perforations: From: To:			Pool Salt Lake South
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12917		Formation Atoka	
Producing Thru TUBING		Reservoir Temp. 178		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection SALES							
L 12929	H 12929	Gg 0.719	%CO ₂ 0.516	%N ₂ 1.56	%H ₂ S	Prover	Meter Run 3.068
						Taps FLG	
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI							
1	3.068 X 1.250		284	11.5	66	3100	240
2							
3							
4							
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							536
2	TOTAL	FLOW	METER				
3							
4							
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio		
1					A.P. I. Gravity of Liquid Hydrocarbon		
2					Specific Gravity Separator Gas		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid		
4					Critical Pressure		
5					Critical Temperature		
P _c 3733.6 P _{c2} 13937.7							
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.05$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.05$		
1		870.7	758.1	13179.6			
2							
3							
4							
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 0.562$		
Absolute Open Flow 0.562				Mcfd @ 15.025	Angle of Slope (°): 45	Slope n: 1	
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

BASS ENTERPRISES

TORY "3" FED #1

