

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form G-122
Revised 9-1-65

☒ Initial ☐ Annual ☐ Special				Test Date: 02-11-80		Well No.: NM - 10470	
Company: BASS ENTERPRISES PROD'N CO.				Location:			
Field: UNDESIGNATED				Formation: MORROW			
Completion Date: 02-18-80		Total Depth: 14,307		Plug Depth: 13846		Elevation: 3746 GL	
Casing Size: 5 1/2"		Casing Weight: 17# LT&C		Set At: 14,307		Perforations: From 13859 To 13921	
Tubing Size: 2 3/8"		Tubing Weight: 4.7		Set At: 13,774		Perforations: From open To end	
Type Well - Casing - Production - G.G. or G.O. Multiple: SINGLE				Factor Set At: 13746		County: LEA	
Fracturing thru: JBG.		Reservoir Temp. °F: 212 @ 13,775		Mean Annual Temp. °F: 60		State: NEW MEXICO	
L: 13,775		H: 13,775		Gg: .650		% CO ₂ : .494	
				% N ₂ : .814		% H ₂ S:	
				Prover:		Meter Run: 4	
						Type: FLG.	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1	4 X 1.500			510	1.0	78	1283				1 HR.
2	4 X 1.500			520	3.5	124	1260				1 HR.
3	4 X 1.500			525	5.5	122	1078				1 HR.
4	4 X 1.500			510	5.0	94	780				2 HR. & 30 min.

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 Comp. Factor F _{pv}	Rate of Flow Q, Mgd
1	10.84	22.87	523.2	.9831	1.240	1.049	317
2	10.84	43.20	533.2	.9436	1.240	1.036	568
3	10.84	54.41	538.2	.9452	1.240	1.038	718
4	10.84	51.15	523.2	.9688	1.240	1.044	695

NO.	F _g	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Net/ool.
1	.78	538	1.43	.908	24.947	
2	.80	584	1.56	.931	53.83 @ 60	
3	.80	582	1.55	.929	.650	XXXXXXX
4	.78	554	1.48	.918	670	P.S.I.A. XXXXX
5					375	R XXXXX

NO.	SI ₁	SI ₂	SI ₃	SI ₄	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.547$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.547$
1	1497.2	1085.2	1177.7	3386.5		
2	1979.2	1420.3	2117.3	2546.9		
3	1762.2	1270.0	1612.9	2951.3		
4	1324.2	964.0	929.3	3634.9		

App. Rate of Flow: 1,110		Net/ool. 15.025		Angle of Slope: 45°		Slope: 1.00	
Remarks: BOTTOM HOLE PRESSURE MEASURED WITH KUSTER GAUGE, WELL MADE 5 BBLs OF CONDENSATE DURING TEST (POINT ALIGNMENT TO FLAT A SLOPE OF 45 WAS DRAWN THRU HIGH RATE OF FLOW. *CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE.							
Approved By: <i>[Signature]</i>		Conducted By: LARRY DAVIS		Calculated By: LARRY DAVIS		Checked By:	