

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

Form C-122
 Revised 9-1-65

RECEIVED

JUN 20 1975

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-12-75		JUN 20 1975	
Company PERRY R. BASS Bass Enterprises Production Company				Connection Natural Gas Pipeline Co. of America		D.C.C. ANTESIA OFFICE	
Pool Burton Flats				Formation Strawn		Unit	
Completion Date August 30, 1974		Total Depth 11,700'		Plug Back TD 11,650'		Elevation 3314' KB 3296' Gr.	
Csg. Size 7"		Wt. 26# 23 & 29#		Set At 11,709'		Perforations: From 10321 To 379	
Tbg. Size 2 7/8"		Wt. 6.5		Set At		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas Dual				Packer Set At 10,139' Top		Well No. 15-1	
Producing Thru Casing		Reservoir Temp. °F 186 @ 10350		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g		% CO ₂	
						% N ₂	
						% H ₂ S	
						Prover	
						Meter Run X	
						Taps X	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI							
1.	3"	1.625	908	.98	90	2143	1 hr.
2.	3	1.625	908	2.65	92	2117	1 hr.
3.	3	1.625	908	6.85	93	2087	1 hr.
4.	3	1.625	912	14.85	92	1908	1 1/2 hr.
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	13.24	29.83	908	.9723	1.227	1.081	509
2	13.24	49.05	908	.9706	1.227	1.081	836
3	13.24	78.87	908	.9697	1.227	1.081	1343
4	13.24	116.38	912	.9706	1.227	1.082	1986
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Nil Mcf/bbl.		
1.	1.35	550	1.45	.855	A.P.I. Gravity of Liquid Hydrocarbons Deg.		
2.	1.35	552	1.46	.855	Specific Gravity Separator Gas .664 XXXXXXXXXX		
3.	1.35	553	1.46	.855	Specific Gravity Flowing Fluid XXXXX		
4.	1.36	552	1.46	.854	Critical Pressure 670 P.S.I.A. P.S.I.A.		
5.					Critical Temperature 378 R R		
$P_c = 2186.2$ $P_c^2 = 4779$							
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 7.746$		
1	2156.2	4649	130		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.096$		
2	2130.2	4538	241				
3	2100.2	4411	368				
4	2040.2	4162	617				
5							
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 12106$							
Absolute Open Flow 12,106 Mcfd @ 15.025					Angle of Slope °		Slope, n .883
Remarks: Flowing up casing with sleeve open to tubing. PL & PW measured on tubing.							
Produced no liquids on 4 point test - subsequent 24 hr test produced 34.50 bbls condensate and no water.							
Approved By Commission:				Conducted By: <i>[Signature]</i>		Calculated By:	
						Checked By:	