

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

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date: 5-30-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area		Formation: Tubb	
Completion Date: 1-26-84		Total Depth: 2832'	Plug Back TD: 2700'
		Elevation: 4695'	
Csg. Size: 7"	Wt.: 20#	Set At: 2832'	Perforations: From 2457' To 2548'
Tbg. Size: 3-1/2"	Wt.: 9.3#	Set At: 2401'	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single		Packer Set At: 2371'	Well No.: 1835 171K
Producing Thru: Tubing		Reservoir Temp. °F: 93°@ 2503'	Mean Annual Temp. °F: 50
		Baro. Press. - P _a : 12.2	State: New Mexico
L: 2503'	H: 2503'	G _g : 1.529	% CO ₂ : 100
		% N ₂ : 0	% H ₂ S: 0
Prover: 4.0"		Meter Run: 4.0"	Taps: Flange

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.	
SI							338			
1.	4.026 x 2.5			219	32	59	231.2	50		
2.	4.026 x 2.5			221	31	68	233.2	50		
3.	4.026 x 2.5			260	14	59	272.2	50		
4.	4.026 x 2.5			296	8	59	308.2	50		
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							2301
2							
3							1696
4							1366
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					0	0	1.529	XXXXXX	1072	547
2										
3										
4										
5										

P _r : 350.2	P _c ² : 122.640	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.77$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.38$
NO.	P _r ²	P _w	P _w ²
1	231.2		69.187
2	233.2		68.258
3	272.2		48.547
4	308.2		27.653
5			

Absolute Open Flow: 3186 Mcfd @ 15.025		Angle of Slope θ: .57
Remarks:		
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble
		Checked By:

