

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 9-2-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640 acre area		Formation Tubb	
Completion Date 10-22-84		Total Depth 2762	Plug Back TD 2706
		Elevation 4740	
Csg. Size 7	Wt. 15#-20#	Set At 2762	Perforations: From 2437 To 2516
Thq. Size 3.5	Wt. 9.3	Set At 2351	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2319	Well No. 1833 101G
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2477	Mean Annual Temp. °F 50
		Baro. Press. - P _a 12.2	Unit Sec. Twp. Rge. G 10 18 33
L 2477	H 2477	Gg 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover	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
SI							290		
1.	4.026 x .875			187	26	58	187	50	24 hr
2.	4.026 x .875			201	17	59	201	50	24 hr
3.	4.026 x .875			225	9	56	225	50	24 hr
4.	4.026 x .875			243	6	55	243	50	24 hr
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, Mcf/d
1							214
2							193
3							147
4							127
5							

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

P_c 302.2 P_c² 91.325

NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.77$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.55$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 331$

Absolute Open Flow 331 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .77

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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