

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 8-20-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation Tubb	
Completion Date 5-9-81		Total Depth 2638	Plug Back TD 2530
		Elevation 4918	Unit BDCDGU
Csg. Size 5.5	Wt. 14	Set At 2638	Perforations: From 2349 To 2443
Thq. Size 2-7/8	Wt. 6.5	Set At 2201	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2152	Well No. 2033 251 G
Producing Thru Tubing	Reservoir Temp. °F 90 # 2396	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2396	H 2396	G _g 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover	Meter Run 4.0
			Taps Flange

FLOW DATA									
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	4.026 x 1.500			192	47	62	192	50	24 hr.
2.	"	"	"	219	9	62	219	"	"
3.	"	"	"	241	5	60	241	"	"
4.	"	"	"	248	1	60	248	"	"
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.							794
2.							450
3.							32
4.							0
5.							

NO.	R _t	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 _c 290.2	P _w 84.216	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.98$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.51$
NO.	P _c	P _w	P _c ² - P _w ²
1.	204.2		42.518
2.	231.2		30.762
3.	253.2		20.106
4.	260.2		16.812
5.			

Absolute Open Flow 1197		Mcf/d @ 15.025		Angle of Slope θ		Slope, n .60	
Remarks:							
Approved by Commission:		Conducted By:		Calculated By: D. D. Kimble		Checked By:	