

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 10-1-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Formation Unit 640 Acre Area		Tubb	
Completion Date 11-15-83		Total Depth 2665	Plug Back TD 2597
Elevation 4905		Farm or Lease Name	
Csg. Size 7	Wt. 20	Set At 2665	Perforations: From 2313 To 2534
Tbg. Size 3-1/2	Wt. 9.3	Set At 2289	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2258	Well No. 2034 051 G
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2423	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2423	H 2423	G _g 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	Press. p.s.i.g.		Temp. °F
1.	4.026 x 1.875			207	26	61	298				
2.	"			223	18	60	207	50			24 hr.
3.	"			237	11	60	223	"			"
4.	"			261	3	57	237	"			"
5.							261	"			"

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.							1102
2.							977
3.							765
4.							499
5.							

NO.	P _f	Temp. °R	T _f	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	X X X X X	1072	547
2.										
3.										
4.										
5.										

P _c 310.2	P _c ² 96.224	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.00$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.98$
NO.	P _f ²	P _w	P _w ²
1.	219.2		48.175
2.	235.2		40.905
3.	249.2		34.123
4.	273.2		21.586
5.			

Absolute Open Flow 2186		Mcf/d @ 15.025		Angle of Slope θ		Slope, n .99	
Remarks:							

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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