

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 4-29-85	
Company Amoco Production Company		Connection	
Pool Carbon Dioxide Gas Unit Bravo Dome 640 Acre Area		Formation Tubb	
Completion Date 11/3/83		Total Depth 2572	Fluo Back TD 2517
Elevation 4834 GL		Farm or Lease Name	
Csq. Size 7	Wt. 20	Set At 2572	Perforations: From 2242 To 2444
Thq. Size 3.5	Wt. 9.3	Set At 2171	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2153	Well No. 2034 071G
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2343	Mean Annual Temp. °F 50
Baro. Press. - P _a 12.2		County Union	
State New Mexico		Unit G 7 20 34	
L 2343	H 2343	G _g 1.529	% CO ₂ 100
% N ₂ 0		% H ₂ S 0	Prover Meter Run 4.0
Flaps Flange			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4.026 x 1.500			261	2	57	312				24 hr
2.	4.026 x 1.500			235	7	58	270	50			24 hr
3.	4.026 x 1.500			213	14	59	243	50			24 hr
4.	4.026 x 1.500			192	23	58	222	50			24 hr
5.							202	50			24 hr

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.							285
2.							510
3.							697
4.							854

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
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 _r	324.2	P _w	105.106
NO.	P _r ²	P _w ²	P _r ² - P _w ²
1.	282.2	25.469	25.469
2.	255.2	39.979	39.979
3.	234.2	50.256	50.256
4.	214.2	59.224	59.224
5.			

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.09$

ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1458$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.09$

Absolute Open Flow	1458	Mcf/d @ 15.025	Angle of Slope	Slope, n	1.0
Remarks:					
Approved by Commission:					
Conducted By:		Calculated By:		Checked By:	
		D. R. White			