

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 8-5-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation Tubb	
Completion Date 9-19-81		Total Depth 2949	
Plug Back TD 2840		Elevation 4812	
Csg. Size 5.5		Well No. 1834 081G	
Wt. 14		Set At 2949	
Perforations: From 2524 To 2621		Unit G 8 18 34	
Tbg. Size 2-7/8		Wt. 6.5	
Set At 2369		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple			
Single		Packer Set At 2339	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2573	
Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
L 2573		H 2573	
Gg 1.529		% CO ₂ 100	
% N ₂ 0		% H ₂ S 0	
Prover		Meter Run 4.0	
Taps Flange		State New Mexico	

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	
1.	4.026 x 2.25			189	66	55	189	50	24 hr
2.	4.026 x 2.25			201	57	56	201	50	
3.	4.026 x 2.25			218	47	56	218	50	
4.	4.026 x 2.25			238	37	58	238	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.							2521
2.							2131
3.							1808
4.							1530
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	X X X X X	1072	547
2.										
3.										
4.										
5.										

P _c 302.2	P _c ² 91.325
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NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1.		201.2		50.843
2.		213.2		45.871
3.		230.2		38.333
4.		250.2		28.724
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4296$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7$$

Absolute Oper. Flow	4296	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .91
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Remarks:	
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Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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1834 0816

46 7400

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

POF = 4296

$Q = MCF$

227.2