

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 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	
Farm or Lease Name		Unit BDCDGU	
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	
Producing Thru Tubing		Baro. Press. - P _a 12.2	
Reservoir Temp. °F 90 @ 2477		Mean Annual Temp. °F 50	
County Harding		State New Mexico	
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	Press. p.s.i.g.		Temp. °F
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, Mcfd
1.							214
2.							193
3.							147
4.							127
5.							

NO.	P _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 302.2	P _c ² 91.325			
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.77$

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

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

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

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