

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	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area		Formation	
Completion Date 10-4-85		Total Depth 2657	Plug Back TD 2630
		Elevation 4985	Unit BDCDGU
Csq. Size 7	Wt. 20	Set At 2657	Perforations: From 2362 To 2590
Tbg. Size 3-1/2	Wt. 9.3	Set At 2230	Perforations: From To
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single			Packer Set At 2198
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2476	Mean Annual Temp. °F 50
		Baro. Press. - P _a 12.25	County Harding
L 2476	H 2476	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 3.000		182.7	16.2	49	300				
2.	4.026 x 3.000		155.4	24.5	50	194.95	49			1.5
3.	4.026 x 3.000		127.9	36.5	49	167.65	50			1.5
4.	4.026 x 3.000		101.7	54	48	140.15	49			1.5
5.						113.95	48			1.5

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.							2445
2.							2735
3.							3017
4.							3230
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	P.S.I.A.	R
1.					0		1.529		1072	496		
2.												
3.												
4.												
5.												

P _c 312.2	P _c ² 97.469	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.15$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.12$
NO.	P _t ²	P _w	P _c ² - P _w ²
1.		195	59.443
2.		167	69.580
3.		140	77.868
4.		114	84.473
5.			

Absolute Open Flow 3616 Mcfd @ 15.025 Angle of Slope θ .79

Approved By Commission: _____ Conducted By: _____ Calculated By: Don Kimble Checked By: _____