

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 Bravo Dome <u>Carbon Dioxide Gas</u> Unit <u>640 Acre Area</u>		Formation Tubb	
Completion Date 10/15/84		Total Depth 2572	Plug Back TD 2550
Elevation 4750 GL		Farm or Lease Name	
Csg. Size 7"	Wt. 20	Set At 2571	Perforations: From 2152 To 2406
Thg. Size 3.5"	Wt. 9.3	Set At 2043	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2012	Well No. 1934 271G
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2279	Mean Annual Temp. °F 50
Baro. Press. - P _a 12.2		Unit Sec. Twp. Rge. G 27 19 34	
L 2279	H 2279	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
SI				318			318	50			
1.	4.026 x 2.750			195	46	55	207.2	50			24 hr
2.	4.026 x 2.750			215	33	57	227.2	50			24 hr
3.	4.026 x 2.750			239	21	59	251.2	50			24 hr
4.	4.026 x 2.750			278	9	60	290.2	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, Mc/d
1							3251
2							3015
3							2520
4							1860
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	X X X X X X X X	1072	547
2.										
3.										
4.										
5.										

P _c 330.2	P _c ² 109,000	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.649$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.33$
NO. 1	P _w 207.2	P _w ² 42,918	P _c ² - P _w ² 66,082
2	227.2	51,618	57,382
3	251.2	63,101	45,899
4	290.2	84,216	24,784
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4324$

Absolute Open Flow	4324	Mc/d @ 15.025	Angle of Slope	0	Slope, n	.57
Remarks:						
Approved By Commission:						
Conducted By:		Calculated By:		Checked By:		
		D. D. Kimble				