

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-85

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-29-85			
Company Amoco Production Company				Connection			
Pool Bravo Dome <i>Carbon Dioxide Gas Unit 640 Acre Area</i>				Formation Tubb		Unit BDCDGU	
Completion Date 3/18/81		Total Depth 2586		Plug Back TD 2481		Elevation 4828'	
Csg. Size 5.5	Wt. 14	d	Set At 2586	Perforations: From 2200 To 2442		Well No. 1934 211G - X	
Tbg. Size 2-7/8	Wt. 6.5	d	Set At 2003	Perforations: From To		Unit Sec. Twp. Rge. G 21 19 34	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2003		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2321		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
L 2321		H 2321	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 2.500			201	35	55	213.2	50			24 hr
2.	4.026 x 2.500			222	26	57	234.2	50			24 hr
3.	4.026 x 2.500			243	16	58	255.2	50			24 hr
4.	4.026 x 2.500			269	9	59	281.2	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, Mcfd
1.							2239
2.							2092
3.							1792
4.							1401
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 335.2	P _c ² 112.4		
NO.	P _t ²	P _w	P _w ²
1.		213.2	66.905
2.		234.2	57.509
3.		255.2	47.232
4.		281.2	33.285
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.68$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3169$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.416$

Absolute Open Flow	3169	Mcfd @ 15.025	Angle of Slope	Slope, n .67
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
-------------------------	---------------	--------------------------------	-------------