

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 8-26-85	
Company Amoco Production Company				Connection		
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb		Unit BDCDGU
Completion Date 10-28-83		Total Depth 2810		Plug Back TD 2761		Elevation 4820
Csg. Size 7	Wt. d	Set At 2797	Perforations: From 2211 To 2382		Well No. 1934 341G	
Tbg. Size 3.5	Wt. 9.3	Set At 2161	Perforations: From To		Unit Sec. Twp. Rye. G 34 19 34	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2123		County Harding Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2297		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
L 2297		H 2297	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							316.0				
1.	4.026 x 2.625			179	46	50	179	50			24 hr
2.	4.026 x 2.625			199	34	51	199	50			24 hr
3.	4.026 x 2.625			223	22	51	223	50			24 hr
4.	4.026 x 2.625			245	14	52	245	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							2973
2							2695
3							2315
4							1927
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 328.2 P _c ² 107.715		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.51$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.30$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		191.2		71.158	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3876$
2		211.2		63.110	
3		235.2		52.396	
4		267.2		36.319	
5					

Absolute Open Flow 3876 Mcfd @ 15.025		Angle of Slope θ		Slope, n .64
Remarks:				
Approved By Commission:		Conducted By:		Calculated By: D. D. Kimble
				Checked By: