

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 8-19-85	
Company Amoco Production Company				Connection			
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb		Unit BDCDGU	
Completion Date 1-2-84		Total Depth 2918		Plug Back TD 2810		Elevation 4845	
Csg. Size 7	Wt. 20	d	Set At 2918	Perforations: From 2507 To 2612		Well No. 1834 061G	
Tbg. Size 3.5	Wt. 9.3	d	Set At 2468	Perforations: From To		Unit Sec. Twp. Rge. G 6 18 34	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At 2439		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2560		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
L 2560		H 2560	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
SI							350				
1.	4.026 x 2.25			173	30	59	173	50			24 hr
2.	4.026 x 2.25			198	21	60	198	50			24 hr
3.	4.026 x 2.25			211	17	59	211	50			24 hr
4.	4.026 x 2.25			238	11	60	238	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							1657
2							1487
3							1403
4							1178
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 362.2	P _c ² 131.189			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		185.2		96.890
2		210.2		87.004
3		223.2		81.371
4		250.2		68.589
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.35$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2237$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.35$

Absolute Open Flow	2237	Mcfd @ 15.025	Angle of Slope ϕ	Slope, n .99
Remarks:				
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:	