

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: 8-12-85	
Company: Amoco Production Company				Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation: Tubb		Unit: BDCDGU
Completion Date: 9-19-84		Total Depth: 2977		Plug Back TD: 2901	Elevation: 4885	
Csg. Size: 7	Wt.: 20	d:	Set At: 2978	Perforations: From 2582 To 2678		Well No.: 1834 051G
Tbg. Size: 3.5	Wt.: 9.3	d:	Set At: 2473	Perforations: From To		Unit: G Sec: 5 Twp: 18 Rge: 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2442		County: Union
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2630		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2
L: 2630		H: 2630	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							340				
1.	4.026 x 2.125			178	30	63	178	50			24 hr
2.	4.026 x 2.125			195	21	61	195	50			24 hr
3.	4.026 x 2.125			213	18	60	213	50			24 hr
4.	4.026 x 2.125			239	11	60	239	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1441
2							1294
3							1235
4							1053
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 352.2	P _w 124.045	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.41$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.35$
NO.	P _t ²	P _w ²	P _t ² - P _w ²
1	190.2		87.869
2	207.2		81.113
3	225.2		73.330
4	251.2		60.943
5			

Absolute Oper. Flow: 1938 Mcfd @ 15.025		Angle of Slope θ: 86	
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: D. D. Kimble	
		Checked By:	