

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

Form C-122
Revised 4-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-14-85	
Company Amoco Production Company				Connection	
Pool Bravo Dome <i>Carbon Dioxide Gas Unit (640 Acre Area)</i>				Formation Tubb	
Completion Date 11/10/83		Total Depth 2589		Plug Back TD 2486	Elevation 4870
Csg. Size 7	Wt. 20	Set At 2589	Perforations: From 2283 To 2460		Well No. 2033 131G
Thq. Size 3.5	Wt. 9.3	Set At 2284	Perforations: From To		Unit Sec. Twp. Hgt. G 13 20 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2253	County Harding
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2372	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2	State New Mexico
L 2372	H 2372	G _g 1.529	% CO ₂ 100	% N ₂ 0	Prover Meter run Taps 4.0 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							302				24 hr
1.	4.026 x 1.500			258	4	57	260				24 hr
2.	4.026 x 1.500			232	11	58	235				24 hr
3.	4.026 x 1.500			214	19	60	216				24 hr
4.	4.026 x 1.500			193	31	59	196				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							375
2							569
3							715
4							854
5							

NO.	P _f	Temp. °R	T _f	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 314.2	P _c ² 98.722		
NO.	P _c	P _w	P _w ²
1		272.2	24.629
2		247.2	37.614
3		228.2	46.646
4		208.2	55.374
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.116$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1513$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.116$

Absolute Open Flow	1513	Mcfd @ 15.025	Angle of Slope	Slope, n
Remarks:				
Approved By Commission:	Conducted By:	Calculated By: D. R. White	Checked By:	