

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

Form C-122
Revised 6-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-14-85	
Company Amoco Production Company		Connection	
Pool Brava Dome <u>Carbon Dioxide Gas</u> Unit <u>640 Acre Area</u>		Formation Tubb	
Completion Date 3/21/81		Total Depth 2624	Plug Back TD 2574
		Elevation 4920	Farm or Lease Name
Csg. Size 5.5	Wt. 14	Set At 2613	Perforations: From 2340 To 2572
Tubg. Size 2-7/8	Wt. 6.5	Set At 2199	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2169	Well No. 2033-111G
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2456	Mean Annual Temp. °F 50
		Baro. Press. - P _a 12.2	County Harding
			State New Mexico
L 2456	H 2456	G _g 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover 4.0	Meter Run 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							306				24 hr
1.	4.026 x 1.625			257	10	58	257				24 hr
2.	4.026 x 1.625			236	21	60	237				24 hr
3.	4.026 x 1.625			214	37	60	216				24 hr
4.	4.026 x 1.625			196	53	59	198				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							584
2							804
3							1001
4							1146
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	X X X X X X X X
3					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _r 318.2	P _c 101.251	
NO.	P _r	P _w
1	269.2	28.783
2	249.2	39.151
3	228.2	49.176
4	210.2	57.067
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.774$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2002$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.747$$

Absolute Open Flow	2002	Mcf/d @ 15.025	Angle of Slope	Slope, n	.973
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. R. White	Checked By:
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