

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 4-29-85	
Company Amoco Production Company		Connection	
Pool Carbon Dioxide Gas Bravo Dome Unit 640 Acre Area		Formation Tubb	
Completion Date 11/29/82		Total Depth 2482	Fluid Back TD 2392
		Elevation 4778	Farm or Lease Name
Csg. Size 5" liner	Wt. 12.83	Set At 2482	Perforations: From 2182 To 2384
Tng. Size 3.5	Wt. 9.3	Set At 2197	Perforations: From To
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Packer Set At 2147	Well No. 2034-161G
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2283	Mean Annual Temp. °F 50
		Baro. Press. - P _a 12.5	Unit Sec. Twp. Rge. G 16 20 34
L 2283	H 2283	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4.026 x	2.125		277	18	60	315				24 hr
2.	4.026 x	2.125		255	17	60	281	50			24 hr
3.	4.026 x	2.125		236	31	60	259	50			24 hr
4.	4.026 x	2.125		216	46	59	241	50			24 hr
5.							221	50			24 hr

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.							905
2.							1331
3.							1681
4.							1955
5.							

NO.	P _r	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 327.2	P _c ² 107,060	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.032$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.809$
NO. 1	P _w 293.2	P _w ² 21.094	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3536$
2	271.2	33.510	
3	253.2	42.950	
4	233.2	52.678	
5			

Absolute Open Flow	3536	Mcfd @ 15.025	Angle of Slope	Slope, n .836
Remarks:				
Approved by Commission:				
Conducted By:		Calculated By: D. R. White		Checked By: