

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	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area		Formation	
Completion Date 1-2-86	Total Depth 2736	Plug Back TD 2632	Elevation 4766
Csg. Size 7	Wt. 20	Set At 2736	Perforations: From 2442 To 25331
Tbg. Size 3-1/2	Wt. 9.3	Set At 2285	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2255	Unit BDCDGU
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2488	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25
L 2488	H 2488	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
1.	4.026 x	2.000		180.1	6	46	370				
2.	4.026 x	2.000		150.1	6.4	51	192.35	46			1.5
3.	4.026 x	2.000		120.1	8.5	52	162.35	51			1.5
4.	4.026 x	2.000		90.2	12	54	132.35	52			1.5
5.							102.45	54			1.5

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							507
2.							539
3.							556
4.							581

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					
2.							1.529		1072	496
3.										
4.										
5.										

P _c 382.2	P _c ² 146.077	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.06$
NO.	P _t ²	P _w	P _w ²
1		192.4	
2		162.4	
3		132.4	
4		102.5	
5			

Absolute Open Flow		615	Mcfd @ 15.025	Angle of Slope θ	Slope, n .60
Remarks:					

Approved By Commission:	Conducted By:	Calculated By: Don Kimble	Checked By:
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