

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 8-26-85	
Company Amoco Production Company				Connection			
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb		Unit BDCDGU	
Completion Date 1-31-84		Total Depth 2957		Plug Back TD 2898		Elevation 4887	
Csg. Size 7		Wt. 20		Set At 2957		Perforations: From 2558 To 2620	
Tbg. Size 3.5		Wt. 9.3		Set At 2524		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2485		Well No. 1934 311G	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2589		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
L 2589		H 2589		G _g 1.529		% CO ₂ 100	
				% N ₂ 0		% H ₂ S 0	
				Prover 4.0		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.	
SI							296			
1.	4.026 x 1.625			171	31	59	171	50		
2.	4.026 x 1.625			196	22	60	196	50		24 hr
3.	4.026 x 1.625			223	14	60	223	50		24 hr
4.	4.026 x 1.625			246	9	60	246	50		24 hr
5.										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							821
2							741
3							637
4							530
5							

NO.	P _t	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	1072	547
2.										
3.										
4.										
5.										

P _c 308.2	P _c ² 94.987
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NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		183.2		61.425
2		208.2		51.640
3		235.2		39.668
4		258.2		28.320
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.55$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1053$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.28$

Absolute Open Flow	1053	Mcfd @ 15.025	Angle of Slope θ	Slope, n .57
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Remarks:	
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Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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