

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 4-15-86	
Company Amoco Production Company				Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb	
Completion Date 4-16-86		Total Depth 2420		Plug Back TD 2314	
Elevation 4668 RDB		Farm or Lease Name			
Csg. Size 7"	Wt. 20	d	Set At 2420	Perforations: From 2134 To 2270	
Thg. Size 3-1/2	Wt. 9.3	d	Set At 1985	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 1953	
Producing Thru Tubing		Reservoir Temp. °F 87° 2202		Mean Annual Temp. °F 50	
Baro. Press. - P _a 12.2		State New Mexico			
L 2202	H 2202	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
SI				309.6							
1.	4.026 x 2.75"			172	78	50	184.2	50			1 hr.
2.	4.026 x 2.75			152	85	52	164.2	50			1 hr.
3.	4.026 x 2.75			145	89	52	157.2	50			1 hr.
4.											
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							3320
2							3583
3							3712
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____ 1.529 X X X X X X X X
2.					Specific Gravity Flowing Fluid _____ X X X X X
3.					Critical Pressure _____ 1072 P.S.I.A. P.S.I.A.
4.					Critical Temperature _____ 547 R R
5.					

P _c 321.2 P _c ² 103.2	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.31$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.28$		
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1		184.2		69.2
2		164.2		76.2
3		157.2		78.5
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4735$

Absolute Open Flow _____ 4735 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .89
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Remarks: _____

Approved By Commission: _____	Conducted By: _____	Calculated By: _____ Darnald Kimble	Checked By: _____
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