

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: 4-4-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb	
Completion Date: 12-5-80		Total Depth: 2775	Plug Back TD: 2718
Elevation: 5068		Unit: BDCDGU	
Csg. Size: 4-1/2	Wt.: 9.5	Set At: 2771	Perforations: From 2472 To 2708
Tbg. Size: 2-3/8	Wt.: 4.7	Set At: 2388	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: 2388	Well No. 2133 341K
Producing Thru: Tubing		Reservoir Temp. °F: 90°@ 2590	Mean Annual Temp. °F: 50
Baro. Press. - P _a : 12.2		County: Harding	
State: New Mexico		Unit: K Sec. 34 Twp. 21 Rge. 33	
L: 2590	H: 2590	Gg: 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.		Temp. °F
1.	4.026 x 1.75			221	41	57	233.2	50			24 hr.
2.	4.026 x 1.75			241	31	55	263.2	50			24 hr.
3.	4.026 x 1.75			262	20	56	274.2	50			24 hr.
4.	4.026 x 1.75			294	8	57	306.2	50			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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.							1202
2.							1099
3.							840
4.							636
5.							

NO.	P _t	Temp. °R	T _t	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	XXXXXX	1072	547
2.										
3.										
4.										
5.										

P _c 330.2	P _c ² 109.032	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.00$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4$
NO.	P _t ²	P _w	P _w ²
1	233.2		54.650
2	263.2		39.758
3	274.2		33.846
4	306.2		15.274
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1698$

Absolute Open Flow: 1698 Mcfd @ 15.025	Angle of Slope θ: _____	Slope, n: 50
Remarks: _____		
Approved By Commission: _____		
Conducted By: _____		
Calculated By: D. D. Kimble		
Checked By: _____		