

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: 5-24-85	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb	
Completion Date: 11-21-83		Total Depth: 2998'		Plug Back TD: 2800'	
Elevation: 4742'		Farm or Lease Name:			
Csg. Size: 7"	Wt.: 20#	Set At: 2998'	Perforations: From 2514' To 2585'		Well No.: 1835 191G
Tbg. Size: 3-1/2"	Wt.: 9.3#	Set At: 2482'	Perforations: From To		Unit: G Sec. 19 Twp. 18 Rge. 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2444'	
Producing Thru: Tubing		Reservoir Temp. °F: 92° @ 2550'		Mean Annual Temp. °F: 50	
Baro. Press. - P _a : 12.2		State: New Mexico			
L: 2550'	H: 2550'	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.		Temp. °F
1.	4.026 x 2.25			212	40	58	224.2	50			24 hrs
2.	4.026 x 2.25			228	30	59	240.2	50			24 hrs
3.	4.026 x 2.25			261	16	59	273.2	50			24 hrs
4.	4.026 x 2.25			280	10	60	292.2	50			24 hrs
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							2025
2							1835
3							1439
4							1203
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					0	
2					0	
3					1.529	XXXXXX
4					XXXXX	
5					1072	
					547	

P _c : 329.2	P _c ² : 108.372
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NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		224.2		58.107	1.86	1.41
2		240.2		50.676		
3		273.2		33.734		
4		292.2		22.992		
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2871$

Absolute Open Flow: 2871 Mcfd @ 15.025	Angle of Slope θ: .56
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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1835 1916

46 7200

LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$A_{OF} = 2871$

2, 2, 2, 2

$$Q = MCF$$

