

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				Formation Tubb				Unit BDCDGI	
Completion Date 1-17-84		Total Depth 2719		Plug Back TD 2700		Elevation 5080'		Farm or Lease Name	
Csg. Size 7	Wt. 20	d	Set At 2719	Perforations: From 2484 To 2682		Well No. 2033 041G			
Thq. Size 3.5	Wt. 9.3	d	Set At 2312	Perforations: From To		Unit Sec. Twp. Rge. G 04 20 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2281		County Harding	
Producing Thru Tubing		Reservoir Temp. °F 90° @ 2583		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico	
L 2583	H 2583	Gg 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							310				
1.	4.026 x 1.25			230	51	60	242.2	50			24 hr.
2.	4.026 x 1.25			250	26	56	262.2	50			24 hr.
3.	4.026 x 1.25			270	16	57	282.2	50			24 hr.
4.	4.026 x 1.25			294	4	54	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, F _{pv}	Rate of Flow Q, Mcfd
1							664
2							505
3							350
4							225
5							

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

P_c 322.2 P_c² 103.812

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		242.2		45.152
2		262.2		35.064
3		282.2		24.176
4		306.2		10.054
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.30$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.82$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1209$

Absolute Open Flow	1209	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.72
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Remarks:

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