

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 5-30-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640-acre area		Formation Tubb	
Completion Date 12-2-83	Total Depth 2646'	Plug Back TD 2550'	Elevation 4483' GL
Csg. Size 7"	Wt. 20#	Set At 2646'	Perforations: From 2046' To 2166'
Tbg. Size 3-1/2"	Wt. 9.3#	Set At 2060'	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2030'	Unit BDCDGU
Producing Thru Tubing	Reservoir Temp. °F 85°@ 2226'	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2226'	H 2226'	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
1.	4.026 x 2.75			211	41	55	223.2	50			24 hrs
2.	4.026 x 2.75			229	31	56	241.2	50			24 hrs
3.	4.026 x 2.75			253	19	57	265.2	50			24 hrs
4.	4.026 x 2.75			275	11	58	287.2	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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							3303
2							2981
3							2470
4							1939
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	0	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	0	Deq.
2					Specific Gravity Separator Gas	1.529	X X X X X X X X
3					Specific Gravity Flowing Fluid	X X X X X	
4					Critical Pressure	1072	P.S.I.A.
5					Critical Temperature	547	P.S.I.A.

P _c	316.2	P _c ²	99.982
NO.	P _r	P _w	P _w ²
1		223.2	50.164
2		241.2	41.805
3		265.2	29.651
4		287.2	17.499
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.99$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4695$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.42$

Absolute Open Flow	4695	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .51
Remarks:				
Approved by Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:	

1934 3616

46 7200

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

ADP-4695

7 2 7 2

$Q = MCF$

