

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 8-5-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation Tubb	
Completion Date 12-19-83		Total Depth 2962	Plug Back TD 2918
Elevation 4790		Farm or Lease Name	
Csq. Size 7	Wt. 20	Set At 2962	Perforations: From 2520 To 2600
Tbg. Size 3.5	Wt. 9.3	Set At 2478	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2447	Well No. 1834 151G
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2560	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2560	H 2560	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 2.125			203	26	60	320				
2.	4.026 x 2.125			218	20	60	203	50			24 hr
3.	4.026 x 2.125			239	14	60	218	50			24 hr
4.	4.026 x 2.125			257	9	60	239	50			24 hr
5.							257	50			24 hr

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.							1454
2.							1349
3.							1177
4.							1013
5.							

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

P _c 332.2	P _c ² 110,357					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.46$
1		215.2		64.045		
2		230.2		57.365		
3		251.2		47.255		
4		269.2		37.888		
5						

Absolute Open Flow 2123		Mcf @ 15.025	Angle of Slope θ	Slope, n .69
Remarks:				
Approved By Commission:				
Conducted By:		Calculated By: D. D. Kimble		Checked By:

1834 1516

46 7400

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$P_c = \frac{K}{\omega^2}$

AOF = 2123

$Q = MCF$

