

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 10-1-85	
Company Amoco Production Company				Connection	
Pool Bravo Dome Carbon Dioxide Gas Formation Unit 640 Acre Area				Unit BDCDGU	
Completion Date 2-7-84		Total Depth 2750		Plug Back TD 2688	
				Elevation 4765	
Csg. Size 7	Wt. 20	d	Set At 2750	Perforations: From 2483 To 2597	
Tbg. Size 3-1/2	Wt. 9.3	d	Set At 2378	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2245	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2540		Mean Annual Temp. °F 50	
				Baro. Press. - P _a 12.2	
L 2540	H 2540	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.	
SI							316			
1.	4.026 x 2.50			191	33	57	191	50		
2.	" "			212	24	57	212	"		
3.	" "			232	17	58	232	"		
4.	" "			257	10	57	257	"		
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							2272
2							2083
3							1775
4							1496
5							

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

P _c 328.2	P _c 107.715		
NO.	P _t ²	P _w	P _w ²
1		203.2	66.425
2		224.2	57.450
3		244.2	48.082
4		269.2	35.247
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.62$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3126$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.38$

Absolute Open Flow 3126	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .66
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:

1834 121M

46 7400

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

