

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: 8-19-85	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation: Tubb	
Completion Date: 9-5-84		Total Depth: 2812		Plug Back TD: 2750	
Elevation: 4803		Farm or Lease Name:			
Csg. Size: 7	Wt.: 15#-20#	d:	Set At: 2815'	Perforations: From 2490' To 2578	
Tubg. Size: 3.5	Wt.: 9.3	d:	Set At: 2358	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2326	
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2534		Mean Annual Temp. °F: 50	
Baro. Press. - P _a : 12.2		State: New Mexico			
L: 2534	H: 2534	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							350			
1.	4.026 x 2.25			180	31	59	180	50		
2.	4.026 x 2.25			208	20	59	208	50		
3.	4.026 x 2.25			225	16	59	225	50		
4.	4.026 x 2.25			246	10	59	246	50		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1685
2							1481
3							1363
4							1174
5							

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

P _c 362.2	P _c ² 131.189	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.39$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.37$
NO.	P ₁ ²	P _w	P _w ²
1		192.2	94.248
2		220.2	82.700
3		237.2	74.925
4		258.2	64.522
5			

Absolute Open Flow 2307 Mcfd @ 15.025		Angle of Slope θ		Slope, n .95
Remarks:				
Approved By Commission:		Conducted By:		Calculated By: D. D. Kimble
				Checked By: