

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 Unit - 640 acre area				Formation: Tubb	
Completion Date: 9-18-83		Total Depth: 2675		Plug Back TD: 2600	
				Elevation: 4987	
Csg. Size: 7	Wt.: 20	d:	Set At: 2675	Perforations: From 2388 To 2658	
Tbg. Size: 3.5	Wt.: 9.3	d:	Set At: 2376	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2345	
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2523		Mean Annual Temp. °F: 50	
				Baro. Press. - P _a : 12.2	
L: 2523	H: 2523	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
SI							297				
1.	4.026 x 2.00			202	54	61	214.2	50			24 hr.
2.	4.026 x 2.00			222	39	59	234.2	50			24 hr.
3.	4.026 x 2.00			241	20	60	253.2	50			24 hr.
4.	4.026 x 2.00			262	13	59	274.2	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, Fpv	Rate of Flow Q, Mcfd
1							1798
2							1580
3							1350
4							1006
5							

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

P _c : 309.2	P _c ² : 95.605	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.92$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.53$
NO	P _f ²	P _w	P _w ²
1		214.2	49.723
2		234.2	40.755
3		253.2	31.494
4		274.2	20.419
5			

Absolute Open Flow: 2750 Mcfd @ 15.025		Angle of Slope θ: .65
Remarks:		
Approved By Commission: Conducted By: Calculated By: D. D. Kimble Checked By:		