

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: 4-9-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb	
Completion Date: 11-2-83		Total Depth: 2610	Plug Back TD: 2590
		Elevation: 4990	Farm or Lease Name: BDCDCU
Csg. Size: 7	Wt.: 20	Set At: 2610	Well No.: 2033 061M
Tbg. Size: 3.5	Wt.: 9.3	Set At: 2336	Unit: M Sec. 06 Twp. 20 Rge. 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single			Packer Set At: 2305
Producing Thru: Tubing			County: Harding
Reservoir Temp. °F: 90° @ 2403			State: New Mexico
Mean Annual Temp. °F: 50			Baro. Press. - P _a :
L: 2403	H: 2403	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							296			
1.	4.026 x 1.875			224	44	57	236.2	50		
2.	4.026 x 1.875			252	20	58	254.2	50		24 hr.
3.	4.026 x 1.875			275	7	58	287.2	50		24 hr.
4.	4.026 x 1.875			290	1	58	302.2	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1486
2							1078
3							662
4							400
5							

NO.	P _t	Temp. °R	T _r	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	XXXXXX	1072	547
2.										
3.										
4.										
5										

P _c : 308.2	P _c ² : 94.987	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.42$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.63$
NO. 1	P _t ² : 236.2	P _w ² : 39.197	
2	254.2	30.370	
3	287.2	12.503	
4	302.2	3.662	
5			

Absolute Open Flow: 2418 Mcfd @ 15.025		Angle of Slope θ: .55
Remarks:		
Approved By Commission: Conducted By: Calculated By: D. D. Kimble Checked By:		