

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: 4-19-83			
Company: Amoco Production Company						Connection:			
Pool: Bravo Dome Carbon Dioxide						Formation:			
Unit - 640 acre area						Tubb			
Completion Date: 12-21-83		Total Depth: 2590		Plug Back TD: 2560		Elevation: 4857		Unit: BDCDGU	
Csg. Size: 7	Wt.: 20	d:	Set At: 2590	Perforations: From 2232 To 2432		Well No.: 2034 301G			
Tub. Size: 3.5	Wt.: 9.3	d:	Set At: 2221	Perforations: From To		Unit Sec. Twp. Rge. G 30 20 34			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At: 2189		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2332		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2332	H: 2332	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							279			
1.	4.026 x 2.125			221	17	62	233.2	50		
2.	4.026 x 2.125			223	18	61	235.2	50		
3.	4.026 x 2.125			248	9	62	260.2	50		
4.	4.026 x 2.125			273	3	60	285.2	50		
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							1260
2							1216
3							947
4							587
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	X X X X X X X X	1072	547
2										
3										
4										
5										

P _c : 291.2	P _c ² : 84.797	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.79$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.43$
NO.	P _t	P _w	P _w ²
1		233.2	30.415
2		235.2	29.478
3		260.2	17.093
4		285.2	3.458
5			

Absolute Open Flow: 1741 Mcfd @ 15.025		Angle of Slope θ: .35	
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: D. D. Kimble	
		Checked By:	