

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: 5-10-85	
Company: Amoco Production Company				Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb		Unit: BDCDGU	
Completion Date: 11-9-83		Total Depth: 2845'		Plug Back TD: 2790'		Elevation: 4924 GL	
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2845'	Perforations: From 2523' To 2568'		Well No.: 1933 211G	
Tbg. Size: 3-1/2"	Wt.: 9.3#	d:	Set At: 2505'	Perforations: From To		Unit Sec. Twp. Rge. G 21 19 33	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At: 2473'		County: Harding	
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2546'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2	
L: 2546'		H: 2546'	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							298				
1.	4.026 x 1.75			212	32	62	224.2	50			24 hrs
2.	4.026 x 1.75			234	20	60	246.2	50			24 hrs
3.	4.026 x 1.75			255	12	59	267.2	50			24 hrs
4.	4.026 x 1.75			277	6	60	289.2	50			24 hrs
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							1050
2							877
3							715
4							
5							

NO.	P _t	Temp. °R	T _t	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 310.2	P _w 96.224	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.09$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.25$
NO	P _c ²	P _w ²	P _c ² - P _w ²
1	224.2		45.958
2	246.2		35.610
3	267.2		24.828
4	289.2		12.587
5			

Absolute Open Flow 1311 Mcfd @ 15.025		Angle of Slope θ	Slope, n .30
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: D. D. Kimble	Checked By: