

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: 9-2-85			
Company: Amoco Production Company				Connection:					
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 acre area				Formation: Tubb				Unit: BDCDGU	
Completion Date: 10-30-84		Total Depth: 2805'		Plug Back TD: 27-7'		Elevation: 4743'		Farm or Lease Name:	
Csg. Size: 7	Wt.: 15#-20#	d:	Set At: 2805	Perforations: From 2483 To 2514		Well No.: 1833 141F			
Tbg. Size: 3.5	Wt.: 9.3	d:	Set At: 2362	Perforations: From To		Unit Sec. Twp. Rge. F 14 18 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: 2331		County: Harding	
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2499		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2499	H: 2499	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							320				
1.	4.026 x 1.25			192	33	62	192	50			24 hr
2.	4.026 x 1.25			209	25	62	209	50			24 hr
3.	4.026 x 1.25			232	18	60	232	50			24 hr
4.	4.026 x 1.25			250	13	59	250	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.							517
2.							482
3.							430
4.							377
5.							

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

P _c 332.2	P _c ² 110.357					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.61$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.34$
1.		204.2		68.659		
2.		221.2		61.427		
3.		244.2		50.723		
4.		262.2		41.608		
5.						

Absolute Open Flow _____ 697 _____ Mcfd @ 15.025		Angle of Slope _____		Slope, n _____ .63	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By: D. D. Kimble	
				Checked By:	