

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							
Csq. 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											
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	Duration of Flow
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 _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ 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 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 _t ²	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2750$						
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 _____		Slope, n .65				
Remarks: _____											
Approved By Commission:		Conducted By:		Calculated By: D. D. Kimble		Checked By:					