

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 9-1-65

Type Test: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date: 9-10-85									
Company: Amoco Production Company		Connection:									
Pool: Bravo Dome Carbon Dioxide Gas Unit-640 acre Area		Formation:									
Completion Date: 12-2-83		Total Depth: 2855	Plug Back TD: 2717								
		Elevation: 4775									
Csg. Size: 7	Wt.: 20	Set At: 2855	Perforations: From 2472 To 2541								
Thg. Size: 3-1/2	Wt.: 9.5	Set At: 2452	Perforations: From To								
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: 2416									
Producing Thru Tubing		Reservoir Temp. °F: 90 @ 2507	Mean Annual Temp. °F: 50								
		Baro. Press. - P <sub>a</sub> : 12.2									
L: 2507	H: 2507	G <sub>g</sub> : 1.529	% CO <sub>2</sub> : 100								
		% N <sub>2</sub> : 0	% H <sub>2</sub> 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 <sub>w</sub>	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							335				
1.	4.026 x 1.625			170	28	60	170	50			24 hr.
2.	4.026 x 1.625			196	26	60	196	50			24 hr.
3.	4.026 x 1.625			219	18	59	219	50			24 hr.
4.	4.026 x 1.625			236	12	59	236	50			24 hr.
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd				
1							793				
2							703				
3							615				
4							540				
5											
NO.	P <sub>f</sub>	Temp. °R	T <sub>f</sub>	Z	Gas Liquid Hydrocarbon Ratio <u>0</u> Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons <u>0</u> Deg.						
2.					Specific Gravity Separator Gas <u>1.529</u> X X X X X X X X						
3.					Specific Gravity Flowing Fluid <u>X X X X X</u>						
4.					Critical Pressure <u>1072</u> P.S.I.A.						
5.					Critical Temperature <u>547</u> P.S.I.A.						
P <sub>c</sub> <u>347.2</u> P <sub>c</sub> <sup>2</sup> <u>120.548</u>											
NO.	P <sub>f</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>							
1		182.2		87.351							
2		208.2		77.200							
3		231.2		67.004							
4		248.2		58.945							
5											
Absolute Open Flow <u>1086</u> Mcfd @ 15.025					Angle of Slope $\theta$ _____						
					Slope, n <u>.98</u>						
Remarks: _____											
Approved By Commission:		Conducted By:		Calculated By: D. D. KIMBLE		Checked By:					