

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

Form C-122  
Revised 9-1-63

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date <b>7/2/98</b>		API Number <b>30-059-20377</b>	
Company <b>Amoco Exploration &amp; Production</b>				Connection <b>Bravo Dome CO2 Plant</b>		RTU Number <b>4113</b>	
Pool <b>N/A</b>				Formation <b>Tubb</b>		Unit <b>BDCDGU</b>	
Completion Date <b>5/15/98</b>		Total Depth <b>2315</b>		Plug Back Depth <b>2300</b>		Elevation <b>4656 KB</b>	
Csg. Size <b>5.50</b>		Wt. <b>14.0</b>		Csg. Inside Dia. <b>5.012</b>		Set At <b>2310</b>	
Perforations From <b>2095</b> To <b>2246</b>				Well Number <b>1935-292-E</b>			
Tbg. Size <b>n/a</b>		Wt. <b>n/a</b>		Tbg. Inside Dia. <b>n/a</b>		Set At <b>n/a</b>	
Perforations From <b>n/a</b> To <b>n/a</b>				Unit Sec. Twp. Rge. <b>SEC. 29, T-19, R-35</b>			
Type well -Single-Bradenhead-G.G. or G.O. Multiple <b>Single</b>				Packer Set At <b>n/a</b>		County <b>Union</b>	
Producing Through <b>Casing</b>		Reservoir Temp, F <b>95</b>		Mean Annual Temp, F <b>60</b>		Baro. Press. - PSIA <b>12.2</b>	
Flow Channel, L <b>2300</b>		Depth, H <b>2300</b>		Gg <b>1.5192</b>		%CO2 <b>100</b>	
				%N2 <b>0</b>		%H2S <b>0</b>	
				Prover <b>ORIFICE</b>		Meter Run <b>4 inch</b>	
						Taps <b>FLANGE</b>	
<b>FLOW DATA</b>				<b>TUBING DATA</b>		<b>CASING DATA</b>	
NO.	Prover Size	X	Stat. Press psig	Diff. Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F
SI						<b>168</b>	
1.						<b>159</b>	
2.						<b>150</b>	
3.						<b>141</b>	
4.						<b>132</b>	
5.						<b>0</b>	
<b>RATE OF FLOW CALCULATIONS</b>							
NO.	Coefficient (24 Hours)	$\frac{Q}{hw \cdot P_m}$	Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd
SI							<b>0</b>
1.							<b>1233</b>
2.							<b>1800</b>
3.							<b>2383</b>
4.							<b>2950</b>
5.							<b>6596</b>
NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl	
1.					A. P. I. Gravity of Liquid Hydrocarbon	N/A Deg.	
2.					Specific Gravity Separator Gas	N/A	
3.					Specific Gravity Flowing Fluid	1.5192	
4.					Critical Pressure	1072 P.S.I.A.	
5.					Critical Temperature	548 R	
Pc	<b>209.012</b>	Pc^2	<b>43,686</b>		(1) 4th test point	(2) 4th test point	
NO.	P <sup>1/2</sup>	Pw	Pw^2	Pc^2 - Pw^2	Pc^2	Pc^2 - Pw^2	
SI		209.0	43,686	0	<b>3.261</b>	<b>2.236</b>	
1.		199.8	39,911	3,775			
2.		190.7	36,350	7,336			
3.		182.1	33,167	10,519			
4.		174.0	30,291	13,395			
5.							
Absolute Open Flow <b>6,596</b> Mcfd @ 15.025					Angle of Slope <b>55.76</b>	Slope, n = <b>0.681</b> (Cotangent)	
Remarks:							
Approved By Commission:		Conducted By: <b>Automation</b>		Calculated By: <b>Spreadsheet</b>		Checked By: <b>Michael Preston</b>	