

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		5-8-80																																																																																				
Company				Connection																																																																																										
Amoco Production Company				El Paso Natural Gas Company																																																																																										
Pool				Formation				Unit																																																																																						
Basin				Dakota																																																																																										
Completion Date		Total Depth		Plug Back TD		Elevation		Form or Lease Name																																																																																						
4-17-80		6388'		6349'		5463' GL		Hare Gas Com "B"																																																																																						
Coq. Size	Wt.	d	Set At	Perforations		Well No.																																																																																								
4.500	11.6	4.000	6388'	From 6133' To 6314'		1E																																																																																								
Tiq. Size	Wt.	d	Set At	Perforations		Unit		Soc.	Twp.	Range																																																																																				
2.375	4.7	1.995	6318'	From Open To Ended		E		23	29N	11W																																																																																				
Type Well - Single - Drilled - G.G. or G.O. Multiple						Packer Set At		County																																																																																						
Single						None		San Juan																																																																																						
Producing thru tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State																																																																																						
		P						New Mexico																																																																																						
L	H	Cg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Temp																																																																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="6">FLOW DATA</th> <th colspan="2">TUBING DATA</th> <th colspan="2">CASING DATA</th> <th>Duration of Flow</th> </tr> <tr> <th>NO.</th> <th>Prover Line Size</th> <th>X</th> <th>Orifice Size</th> <th>Press. p.s.i.g.</th> <th>Diff. h_w</th> <th>Temp. °F</th> <th>Press. p.s.i.g.</th> <th>Temp. °F</th> <th>Press. p.s.i.g.</th> <th>Temp. °F</th> <th></th> </tr> <tr> <td>1</td> <td>7 days</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1175</td> <td></td> <td>1180</td> <td></td> <td>3 hrs</td> </tr> <tr> <td>2</td> <td>2.375</td> <td>.750</td> <td></td> <td></td> <td></td> <td></td> <td>60</td> <td></td> <td>386</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												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		1	7 days						1175		1180		3 hrs	2	2.375	.750					60		386			3												4												5											
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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. O, Mcfd																																																																																							
1	12.365		72	1.000	.9258	1.008	831																																																																																							
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NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ XXXXXXXXXX Specific Gravity Flowing Fluid _____ XXXXX Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R																																																																																									
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P _c 1192 P _c ² 1420864 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>P_i²</th> <th>P_w</th> <th>P_w²</th> <th>P_c² - P_w²</th> <th>(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1255$</th> <th>(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0927$</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1255$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0927$	1							2							3							4							5																																															
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Absolute Open Flow 908 Mcfd @ 15.025 Angle of Slope 0 Slope, n .75																																																																																														
Remarks:																																																																																														
Approved by Division _____ Conducted By: IIR Calculated By: JJ Barnett Checked By: LNE																																																																																														

