

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
FEB 14 1985

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2/4/85																																																																																									
Company Amoco Production Co.		Connection El Paso Natural Gas Co.																																																																																									
Pool Basin		Formation Dakota																																																																																									
Completion Date 1/23/85		Total Depth 7213	Plug Back TD 7210																																																																																								
Elevation 5912 GL		Farm or Lease Name Annie L. Elliott "D"																																																																																									
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 7213																																																																																								
Perforations: From 7084 To 7160		Well No. 9																																																																																									
Tng. Size 2.375	Wt. 4.7	d 1.995	Set At 7190																																																																																								
Perforations: From open To ended		Unit Sec. Twp. Rge. N 11 29 9																																																																																									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single		Packer Set At None	County San Juan																																																																																								
Producing Thru tubing	Reservoir Temp. °F P	Mean Annual Temp. °F	Baro. Press. - P _g																																																																																								
State New Mexico		Prover Meter Run Taps																																																																																									
<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 rowspan="2">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> </tr> <tr> <td>SI</td> <td>12 days</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1755</td> <td></td> <td>2020</td> <td></td> </tr> <tr> <td>1.</td> <td>2.375</td> <td>.750</td> <td></td> <td></td> <td></td> <td></td> <td>163</td> <td></td> <td>715</td> <td></td> </tr> <tr> <td>2.</td> <td></td> <td></td> <td></td> <td></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> <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> </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> </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	SI	12 days						1755		2020		1.	2.375	.750					163		715		2.											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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd																																																																																				
1	12.365		175	1.000	.9258	1.020	2043																																																																																				
2.																																																																																											
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NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R																																																																																						
1.																																																																																											
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P _c 2032 P _c ² 4120900 NO P _t ² P _w P _w ² P _c ² - P _w ²					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1471$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,1084$																																																																																						
1		727	528529	3592371																																																																																							
2																																																																																											
3																																																																																											
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5																																																																																											
Absolute Open Flow 2265 Mcfd @ 15.025					Angle of Slope θ _____			Slope, n .75																																																																																			
Remarks: flared, med. H ₂ O, Lite oil																																																																																											
Approved By Division			Conducted By: J.J. Barnett			Calculated By: J.J. Barnett			Checked By:																																																																																		