

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/14/1982																																																																																															
Company Union Texas Petroleum Corp.				Connection Gas Company of New Mexico																																																																																																
Pool Blanco				Formation Mesaverde		Unit																																																																																														
Completion Date 9/2/82		Total Depth 7842		Plug Back TD 7780		Elevation 6760																																																																																														
Ceq. Size 7.000		Wt. 26.00 23.00	d 6.276 6.366	Perforations: From 5030 To 5628		Well No. 6-Y																																																																																														
Tbg. Size 2.375		Wt. 4.70	d 1.995	Perforations: From 5541 To 5546		Unit Sec. Twp. Rge. M 20 26N 4W																																																																																														
Type Well - Single - Brdenhead - G.C. or G.O. Multiple DUAL - Gas - Gas					Packer Set At 5734																																																																																															
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12																																																																																														
L 5531		H	Gq 0.650	% CO ₂	% N ₂	% H ₂ S																																																																																														
				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>2"</td> <td></td> <td>3/4"</td> <td></td> <td></td> <td></td> <td>1103</td> <td></td> <td>1104</td> <td></td> <td>14 days</td> </tr> <tr> <td>1.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>202</td> <td>66°</td> <td>571</td> <td></td> <td>3 hours</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><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	SI	2"		3/4"				1103		1104		14 days	1.							202	66°	571		3 hours	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd																																																																																													
1	12,3650		214	0.9943	0.9608	1.021	2581																																																																																													
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NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R																																																																																															
1					X X X X X X X X																																																																																															
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P _c 1116 P _c 21,245,456 NO. P _r ² P _w P _w ² P _c ² - P _w ²					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3753$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2699$																																																																																															
1		583	339,889	905,567	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3278$																																																																																															
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Absolute Open Flow 3278 Mcfd @ 15.025					Angle of Slope θ		Slope, n 0.75																																																																																													
Remarks:																																																																																																				
Approved By Division Conducted By: Dan Darby Calculated By: Ken Roddy Checked By:																																																																																																				