

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-19-66																																																																														
Company Tenneco Oil Co.				Connection																																																																															
Pool Basin Dakota				Formation Dakota																																																																															
Completion Date		Total Depth		Plug Back TD 7646			Elevation 6260																																																																												
Csg. Size 4.5	Wt. d	Set At 7464	Perforations: From 7271 To 7440		Well No. 6-1																																																																														
Tbg. Size 2.375	Wt. d	Set At 7438	Perforations: From To		Unit Sec. Twp. Rge. P 27 32 12																																																																														
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At																																																																														
Producing Thru TBQ		Reservoir Temp. °F 205 @ 7400		Mean Annual Temp. °F		Baro. Press. - P _a 12.0																																																																													
L		H	Gg .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>1.</td> <td>2</td> <td>x</td> <td>3/4</td> <td></td> <td></td> <td></td> <td>2185</td> <td></td> <td>2163</td> <td></td> </tr> <tr> <td>2.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>324</td> <td>60</td> <td>1055</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	1.	2	x	3/4				2185		2163		2.							324	60	1055		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	12.3650		336	1.000	.9608	1.035	4130																																																																												
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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 _____ 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																																																																														
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P _c 2197 P _c ² 4826809 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>P_t²</th> <th>P_w</th> <th>P_w²</th> <th>P_c² - P_w²</th> </tr> <tr> <td>1</td> <td></td> <td>1067</td> <td>1138489</td> <td>3688320</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	1		1067	1138489	3688320	2					3					4					5					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.3087}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.2235}$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{5053}$																																																
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2																																																																																			
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Absolute Open Flow 5053 Mcfd @ 15.025					Angle of Slope @ _____																																																																														
Slope, n .75																																																																																			
Remarks: _____																																																																																			
Approved By Commission:		Conducted By:		Calculated By: Neil Tefteller		Checked By: <i>[Signature]</i>																																																																													