

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 4-9-85		<div style="font-size: 2em; font-weight: bold; letter-spacing: 0.5em;">RECEIVED</div> <div style="font-size: 1.2em; font-weight: bold; margin-top: 5px;">MAY 22 1985</div> <div style="font-size: 1.2em; font-weight: bold; margin-top: 5px;">OIL CON. DIV</div> <div style="font-size: 1.2em; font-weight: bold; margin-top: 5px;">Riddle <sup>3</sup> Com</div>			
Company Tenneco Oil Company				Connection						
Pool Basin				Formation Dakota						
Completion Date		Total Depth 6770'		Plug Back TD 6763		Elevation				
Csg. Size 7"	Wt. d	Set At 3601'	Perforations: From 6530' To 6766'	Well No. <del>9E</del>		Farm or Lease Name				
Trg. Size 2 3/8"	Wt. d	Set At 6440'	Perforations: From To	Unit C	Sec. 17	Twp. 28N	Rye. 8W			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple					Packer Set At		County San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P <sub>a</sub>		State New Mexico		
L	H	G <sub>g</sub> .700	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S	Prover	Meter Run	Taps		
FLOW DATA					TUBING DATA			CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							2180		2210	
1.	2 X 6 X 75						140		728	480
2.										
3.										
4.										
5.										
RATE OF FLOW CALCULATIONS										
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd			
1.	11		152	1.012	1.195	1.0179	2058			
2.										
3.										
4.										
5.										
NO.	P <sub>f</sub>	Temp. °R	T <sub>f</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.					
1.	.22	508	1.29	.965	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.					
2.					Specific Gravity Separator Gas _____ X X X X X X X X X					
3.					Specific Gravity Flowing Fluid _____ X X X X X					
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.					
5.					Critical Temperature _____ R _____ R					
P <sub>c</sub>	2222	P <sub>c</sub> <sup>2</sup> 4937284								
NO.	P <sub>f</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1247$		(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9021$			
1.		740	547600	4389684						
2.										
3.										
4.										
5.										
AOF = Q							$\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2247$			
Absolute Open Flow _____ 2247 _____ Mcfd @ 15.025					Angle of Slope @ _____			Slope, n _____ .75		
Remarks: _____										
Approved by Division			Conducted by:			Calculated by:			Checked by:	