

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3/6/85		RECEIVED APR 15 1985 OIL CON. DIV. DIST. 3	
Company Tenneco Oil Company		Connection			
Pool Basin		Formation Dakota		Unit DIST. 3	
Completion Date		Total Depth 7520	Plug Back TD 7511	Elevation	
Casing Size 7 4 1/2		WI.	Set At 3495 7517	Perforations: From 7288 To 7494	
Tub. Size 2 3/8		WI.	Set At 7421	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple			Packer Set At		County San Juan
Producing Thru		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a	
State New Mexico					
L	H	G _g .700	% CO ₂	% N ₂	% H ₂ 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 _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							1372		1372	
1.	2 x 6 x .75						26		208	48
2.										
3.										
4.										
5.										

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 Q, Mcfd
1	11		38	1.012	1.195	1.0025	506
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.05	508	1.29	.995	A.P.J. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 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

NO.	P _i	P _w	P _e ² - P _w ²	P _e ²
1		220	48400	1867056
2				
3				
4				
5				

(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.0259$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 515$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.0194$

Absolute Open Flow <u>95</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>.75</u>
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Remarks: _____

Approved by Division _____	Conducted by: _____	Calculated By: _____	Checked By: _____
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