

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-11-87	
Company TENNECO OIL CO.		Connection	
Pool BLANCO		Formation PICTURED CLIFFS	
Completion Date		Total Depth	Plug Back TD
Elevation		Farm or Lease Name BARRETT	
Coq. Size 4 1/2"	Wt. 10.5	d K-55	Set At 3500
Perforations: From 3392 To 3428		Well No. 9	
Thq. Size 2 3/8"	Wt. 4.7	d J-55	Set At 3400
Perforations: From To		Unit Sec. Twp. Rge. L 20 31N 09W	
Type Well - Single - Dradhead - G.G. or G.O. Multiple		Packer Set At	
Producing Thru		County SAN JUAN	
Reservoir Temp. °F p		State NEW MEXICO	
Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _g .670	% 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.		Temp. °F
SI							677		680		
1.	2x6x.750						150		332	59	3 hours
2.											
3.											
4.											
5.											

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, Mc/d
1	11.0		162	1.001	1.222	1.017	2217
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio <u>DEC 14 1987</u> Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas <u>CON. DIV. 1</u> XXXXXXXXXX Specific Gravity Flowing Fluid <u>DISP 3</u> XXXXXXXXXX Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R
	1	0.24	519	1.359	.966
	2.				
	3.				
	4.				

P _c	692	P _c ²	478864	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.328$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.273$
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	
1		344	118336	360528	
2					
3					
4					
5					

Absolute Open Flow <u>2822</u> Mc/d @ 15.025		Angle of Slope @ _____		Slope, n <u>.85</u>	
Remarks: _____					
Approved By Division		Conducted By: JOEL LEE		Calculated By: MARK MC COOL	
				Checked By:	