

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-09-87			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation PICTURED CLIFFS				Unit	
Completion Date		Total Depth 3490		Plug Back TD 3435		Elevation		Farm or Lease Name BARRETT	
Ceq. Size 4 1/2"	Wt. 10.5#	d K-55	Set At 3479	Perforations: From 3334 To 3373		Well No. 11			
Thq. Size	Wt.	d	Set At	Perforations: From To		Unit D		Sec. 20	Twp. 31N
Type Well - Single - Drdhead - G.C. or G.O. Multiple				Packer Set At		County SAN JUAN			
Producing Thru		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _g		State NEW MEXICO	
L	H	Cg .655	% 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							675		675		
1.	2x6x.750						190		345	56	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.0		202	1.004	1.236		2815
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.302	516	1.376	.959	A.P.I. Gravity of Liquid Hydrocarbon	
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 687 P _c ² 471969				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.370$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.307$	
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	
1		357	127449	344520	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3679$

Absolute Open Flow 3679 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Division	Conducted By: JOEL LEE	Calculated By: MARK MC COOL	Checked By:
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