

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-5-87			
Company TENNECO OIL CO.				Connection			
Pool BLANCO				Formation PICTURED CLIFF		Unit	
Completion Date		Total Depth		Plug Back TD		Elevation	
Farm or Lease Name RIDDLE				Well No. C-6			
Coq. Size 2.875	Wt. 6.5#	d	Set At 3187	Perforations: From 3096 To 3154		Unit Sec. Twp. Rge. K - 29 31N 9W	
Thq. Size	Wt.	d	Set At	Perforations: From To			
Type Well - Single - Bradenhead - 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 _a	
State NEW MEXICO							
L	H	G _g .680	% 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									691		
1.	2X6 X		.750						218	55	3 hrs.
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, Mcfd
1	11.0		230	1.005	1.213	1.027	3168
2.							
3.							
4.							
5.							

NO.	R ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.344	515	1.338	.949	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 703 P _c ² 494209				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1199$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.101$	
NO.	P ₁ ²	P _w	P _w ²		
1		230	52900	441309	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3488$
2					
3					
4					
5					

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .85	
Remarks: SLIMHOLE					
Approved By Division		Conducted By:		Checked By:	