

MULTIPOINT D ONE POINT BACK PRESSURE T T FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/31/87	
Company Tenneco Oil Co.				Connection	
Pool Blanco				Formation Pictured Cliff	
Completion Date		Total Depth		Plug Back TD	
				Elevation	
Farm or Lease Name Storey				Well No. A2	
Coq. Size 3.5	Wt. 9.2	Set At 3307	Perforations: From 3080 To 3168		Unit A
Trq. Size	Wt.	Set At	Perforations: From To		Unit A
Type Well - Single - Rindend - G.C. 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 .665	% 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									479		
1.	2x6x.750								46	57	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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcld
1	11.0		58	1.003	1.0	.995	781
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1.	.09	517	1,368	1,121						
2.										
3.										
4.										
5.										

NO.	P _i	P _w	P _e	P _e ² - P _w ²
1		58	3364	237717
2				
3				
4				
5				

(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1,014$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1,012$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 790$

Mcld/Abi.

Dist. 3

XXXXXXX

XXXXX

P.S.I.A.

P.S.I.A.

R

R

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