

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 3-6-86							
Company TENNECO OIL CO.						Connection											
Pool OTERO						Formation CHACRA						Unit					
Completion Date				Total Depth 4850		Plug Back TD		Elevation		Farm or Lease Name SCHWERTFEGER A LS							
Csg. Size 7" 4 1/2"		Wt.		d		Set At 3575 4847		Perforations: From To		Well No. 1A							
Trg. Size 1 1/4"		Wt.		d		Set At 3222		Perforations: From 3094 To 3234		Unit Sec. Twp. Rge. C 36 28N 9W							
Type Well - Single - Brdenhead - G.C. or G.O. Multiple								Packer Set At 3420		County SAN JUAN							
Producing Thru			Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a			State NEW MEXICO							
L		H		Cg .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							
1.	2x6x.75						815		815								
2.							122		444	48			3 hours				
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		134	1.012	1.213	1.0158	1838										
2.																	
3.																	
4.																	
5.																	
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		MAR 14 1986		Mcft/bbl.								
1.	.20	508	1.32	.969	A.P.I. Gravity of Liquid Hydrocarbon		Oil CON DIV		Deg.								
2.					Specific Gravity Separator Gas		XXXXXX										
3.					Specific Gravity Flowing Fluid		XXXXXX										
4.					Critical Pressure		P.S.I.A.		P.S.I.A.								
5.					Critical Temperature		R		R								
$P_r = 827$ $P_c^2 = 683929$																	
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4368$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3608$										
1.		456	207936	475993													
2.																	
3.																	
4.																	
5.																	
Absolute Open Flow 2501 Mcfd @ 15.025 Angle of Slope @ Slope, n .85																	
Remarks:																	
Approved by Division				Conducted by:				Calculated by:				Checked by:					