

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 09-08-87	
Company TENNECO OIL CO.				Connection	
Pool BLANCO				Formation PICTURED CLIFFS	
Completion Date		Total Depth 3252		Plug Back TD 3219	
Elevation		Farm or Lease Name RIDDLE			
Coq. Size 2.875	Wt. 6.5#	d.	Set At 3219	Perforations: From 3090 To 3140	
Thq. Size	Wt.	d.	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple				Packer Set At	
Producing Thru				County SAN JUAN	
Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g	
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									633		
1.	2x6x.750								132	53	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		144	1.007	1.226	1.016	1987
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mc/d/bbl.
1.	.215	513	1.357	.968	A.P.I. Gravity of Liquid Hydrocarbon	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	DISXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

P _c 645 P _c ² 416025			
NO.	P _i ²	P _w	P _w ²
1		144	20736
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_w^2 - P_c^2} = 1.0525$$

$$AOF = Q \left[\frac{P_w^2}{P_w^2 - P_c^2} \right]^n = 2075$$

$$(2) \left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n = 1.044$$

Absolute Open Flow _____ Mc/d @ 15.025	Angle of Slope @ _____	Slope, n .85
Remarks: SLIM HOLE		
Approved By Division	Conducted By: <i>M</i>	Calculated By: <i>J. M. Cool</i>
		Checked By: