

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-24-86			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation MESA VERDE				Unit	
Completion Date		Total Depth 5375		Plug Back TD 5229		Elevation		Farm or Lease Name LACKEY B LS	
Csg. Size 7" 4 1/2"	Wt.	d	Set At 3780 5372	Perforations: From 4467 To 5106				Well No. 12A	
Tng. Size 2 3/8"	Wt.	d	Set At 5086	Perforations: From To				Unit Sec. Twp. Rye N 21 28 9	
Type Well - Single - Blindhead - G.G. or G.O. Multiple						Packer Set At 3668		County SAN JUAN	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Boro. Press. - P _a		State NEW MEXICO	
L	H	Gg .700	% 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.	
1.	2x6x.75						735			
2.							175			48
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, F _{pv}	Rate of Flow Q, Mcfd
1.	11		187	1.012	1.195	1.0232	2545
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.28	508	1.32	.955	A.P.I. Gravity of Liquid Hydrocarbons	DEG 101086
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _f	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0668$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0497$
1.		187	34969	523040		
2.						
3.						
4.						
5.						

Absolute Open Flow 2671 Mcfd @ 15.025				Angle of Slope θ		Slope, n .75	
Remarks:							
Approved By Division		Conducted By.		Calculated By.		Checked By:	