

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-25-86	
Company TENNECO OIL CO.				Connection	
Pool BLANCO				Formation MESA VERDE	
Completion Date		Total Depth 7190		Plug Back TD 7145	
Elevation		Farm or Lease Name LACKEY B LS			
Csg. Size 7" 4 1/2"	Wt.	d	Set At 5290 7190	Perforations: From 4480 To 5017	
Trq. Size 2 3/8"	Wt.	d	Set At 4730	Perforations: From To	
Type Well - Single - Rodenhead - G.C. or G.O. Multiple				Packer Set At 5056	
Producing Thru		Reservoir Temp. °F		Baro. Press. - P _a	
L H		Cg		County SAN JUAN	
.700		% CO ₂		State NEW MEXICO	
		% N ₂		Meter Run	
		% H ₂ S		Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1000		1000		
1.	2x6x.75						158		512	52	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 _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		170	1.008	1.195	1.0185	2294
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/bbl.
1	.25	512	1.33	.964	A.P.I. Gravity of Liquid Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _r 1012	P _r ² 1024144	(1) $\frac{P_r^2}{P_c^2 - P_w^2} = 1.3663$	(2) $\left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 1.2637$
NO. 1	P _w 524	P _w ² 274576	P _w ² - P _r ² 749568
2			
3			
4			
5			

Absolute Open Flow	2899	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: