

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-11-86	
Company TENNECO OIL CO.				Connection		
Pool BLANCO				Formation MESA VERDE		Unit
Completion Date		Total Depth 5385		Plug Back TD		Elevation
Csg. Size 7" 4 1/2"		Well	Set At 3100	Perforations: From 5008 To 5132		Well No. 15A
Trg. Size 2 3/8"		Well	Set At 5084	Perforations: From To		Unit Sec. Twp. Rge. D 33 27 8
Type Well - Single - Bordenhead - G.C. or G.O. Multiple				Packer Set At		County SAN JUAN
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		State NEW MEXICO
L	H	Cg .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.	Temp. °F	
1.	2x6x.75						970 46		975 382	54	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11		58	1.006	1.195	1.0055	771
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.08	514	1.33	.989						
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1.		394	155236	818933
2.				
3.				
4.				
5.				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1895$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1390$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 878$

APR 17 1986

OIL CON. DIV

DIST. 3

Absolute Crm Flow	878	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks:

Approved By Division	Conducted By:	Calculated By:	Checked By:
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