

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVE

DEC 22 1988

OIL CON. DIV
DIST

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10/88	
Company TENNECO OIL CO.		Connection	
Pool BLANCO		Formation MESAVERDE	
Completion Date 8-26-88		Total Depth 5,340	Plug Back TD 5,296
Elevation		Farm or Lease Name GARTNER	
Ceq. Size 7" 4"	Wt.	Set At 3065 5240	Perforations: From 4430 To 5200
Well No.	L.S. 68K		
Trg. Size 2 3/8	Wt.	Set At 4970	Perforations: From To
Type Well - Single - Pindenehead - G.C. or G.O. Multiple		Packer Set At	County SAN JUAN
Producing Thru		Reservoir Temp. °F	Mean Annual Temp. °F
Baro. Press. - P _g		State NEW MEXICO	
L	H	C _g .66	% 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.	
SI							440		480	
1.	2 x 6 x .750					56°	155		455	
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 _{sp}	Rate of Flow Q, Mcfd
1	11		167	1,004	1,231	1,019	2,314
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	2492	516	1,365	.964						
2.										
3.										
4.										
5.										

NO.	P ₁	P ₂	P ₂ ²	P ₁ ² - P ₂ ²	(1) $\frac{P_1^2}{P_2^2 - P_1^2} = 10.09$	(2) $\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 5.66$
1		467	218,089	23,975		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 13,100$

Submitted to Com. 12/20/88

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