

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-23-86	
Company TENNECO OIL CO.		Connection	
Pool BLANCO		Formation MESA VERDE	
Completion Date	Total Depth 4855	Plug Back TD 4811	Elevation
Farm or Lease Name DRYDEN LS		Well No. 1A	
Csg. Size 7" 4 1/2"	wt.	Set At 3604 4853	Perforations: From 3880 To 4785
Tub. Size 2 3/8"	wt.	Set At 4446	Perforations: From To
Type Well - Single - Brasshead - G.G. or G.O. Multiple		Packer Set At 3300	County SAN JUAN
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a
State NEW MEXICO			
L	H	C _g .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.	
SI							705		607	
1.	2x6x.75						268		607	46
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		280	1.014	1.195	1.0364	3868
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.42	506	1.31	.931	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 717	P _c ² 514089	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1799$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1321$
NO.	P _i ²	P _w	P _w ²
1		280	78400
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4379$

Absolute Ogm Flow	4379	Mcf @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				
Approved by Division	Conducted By:	Calculated By:	Checked By:	