

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/17/85			
Company Tenneco Oil Company					Connection			
Pool Blanco					Formation Mesa Verde		Unit	
Completion Date			Total Depth 5704		Plug Back TD 5640		Elevation	
Farm or Lease Name Michener A								
Csg. Size 4 1/2		Wt.	d	Set At 5700	Perforations: From 5024 To 5582		Well No. 7	
Trq. Size 2 3/8		Wt.	d	Set At 5317	Perforations: From To		Unit B	Sec. 33
							Twp. 28	Rye. 9
Type Well - Single - Frodenhead - G.G. or G.O. Multiple					Packer Set At 4250		County San Juan	
Producing Thru			Reservoir Temp. °F		Mean Annual Temp. °F		State New Mexico	
L		H	Gg .680	% 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							720		775	
1.	2 x 6 x .75						138		775	54
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 _{pv}	Rate of Flow Q, Mcfd
1	11		150	1.006	1.213	1.0164	2046
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mc/bbl.
1.	.22	514	1.33	.968	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

F _c 732 P _c ² 535824					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0438$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0371$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		150	22500	513324				
2								
3								
4								
5								

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2122$					Absolute Open Flow 2122 Mcfd @ 15.025		Angle of Slope @ _____ Slope, n .75	
Remarks:								