

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-63

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 7-5-77							
Company Tenneco Oil Company				Connection							
Pool Blanco				Formation Mesa Verde							
Completion Date 6/23/77		Total Depth 4950'		Plug Back TD 4863'							
Elevation 5817' GL		Farm or Lease Name Florance									
Cas. Size 4-1/2"	Wt. 10.5#	d.	Set At	Perforations: From 4840' To 4584'							
Thg. Size 2-3/8"	Wt. 4.7#	d.	Set At	Perforations: From 4516' To 4093'							
Type Well - Single - Bordenhead - G.G. or G.O. Multiple Single				Packer Set At None							
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F #							
Baro. Press. - P _a		State New Mexico									
L	H	Cg	% CO ₂	% N ₂	% H ₂ S						
		.680									
FLOW DATA			TUBING DATA		CASING DATA						
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	Duration of Flow
1.	2 x 6 x .75			259		63	259	63	734		3 hrs.
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		271	.9971	1.213	1.0314	3719				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mct/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1.	.41	523	1.36	.940	XXXXX XXXXX XXXXX						
2.											
3.											
4.											
5.											
NO.	P _i ²	P _w ²	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 3.7298$ (2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 2.6839$						
1		746	556516	203868	AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 9981$						
2											
3											
4											
Absolute Open Flow 9981 Mcfd @ 15.025					Angle of Slope θ .75						
Remarks:											
Approved By Commission:		Conducted By:		Calculated By: K. Jenkins		Checked By:					