

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

Form C-122
 Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 2-1-77	
Company Tenneco Oil Company				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date 1/23/77		Total Depth 5094'		Plug Back TD 5038'	
Elevation		Farm or Lease Name Florance			
Csg. Size 4 1/2"	Wt. 10.5#	d	Set At 5093'	Perforations: From 4949' To 4808'	
Tbg. Size 2-3/8"	Wt. 4.7#	d	Set At 4929'	Perforations: From 4713' To 4327'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None Set	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
L	H	G _g .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.	Temp. °F	
1.	2x6x0.75			240		50	240	50	599		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		252	1.010	1.213	1.031	3501
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	0.38	510	1.32	.9708	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X 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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 730 P _c ² 532900				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		599	358801	174099
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0609$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8101$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3141$

Absolute Open Flow 8101 Mcfd @ 15.025		Angle of Slope θ	Slope, μ .75
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: J. D. Hicks	Checked By:
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