

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 12-17-76	
Company Tenneco Oil Company				Connection		
Pool Blance				Formation Mesa Verde		Unit
Completion Date 12-7-76		Total Depth 5049'		Plug Back TD 5010'		Elevation 5870'
Csg. Size 4 1/2"		Wt. 10.5#		Set At 5049'		Perforations: From 4811' To 5006'
Tbg. Size 2-3/8"		Wt. 4.7#		Set At		Perforations: From 4278' To 4717'
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At	
Producing Thru Tubing				Reservoir Temp. °F @		Mean Annual Temp. °F
Baro. Press. - P _a				County San Juan		
State New Mexico				Meter Run Taps		
L		H		Cg .680		% CO ₂ % N ₂ % H ₂ S Prover

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.	2x6x.75			215		58	215	58	546		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		227	1.002	1.213	1.026	3114
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.34	518	1.35	.950	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

P _c 638 P _c ² 407044				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		546	298116	108928
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3,7368$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8369$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6877$

Absolute Open Flow	8369	Mcfd @ 15.025	Angle of Slope θ	Slope, n	.75
--------------------	------	---------------	-------------------------	----------	-----

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