

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 4-6-77	
Company Tenneco Oil Company				Connection		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 3/21/77		Total Depth 5254'		Plug Back TD 5203'		Elevation 5952'
Farm or Lease Name Florance						Well No. 37A
Csg. Size 4 1/2"	Wt. 10.5#	d	Set At 5253'	Perforations: From To		Unit Sec. Twp. Rge. J 6 30N 8W
Tbg. Size 2-3/8"	Wt. 4.7#	d	Set At 5094'	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None Set		County San Juan
Producing Thru Tubing		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.	Temp. °F	
1.	2 x 6 x 0.75			129		57	129	57	344		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, F _{pv}	Rate of Flow Q, Mcfd
1	11		141	1.003	1.213	1.0153	1916
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.21076	517	1.3428	.970	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	
5.					Critical Temperature	

P _c 415	P _c ² 172225	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.7860$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.7142$	
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²
1		356	126736	45489
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5200$

APPROVED
APR 28 1977
OIL CON. COM.
DIST. 3

Absolute Open Flow	5200 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:			

Approved By Commission:	Conducted By:	Calculated By: K. Jenkins	Checked By:
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