

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

Form C-122/
 Revised 9-6-65

Type Test ☐ Initial ☐ Annual ☒ Special						Test Date 5-20-77			
Company Tenneco Oil Company				Connection					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 5-11-77		Total Depth 5,014'		Plug Back TD 4,935'		Elevation 5,749'		Farm or Lease Name Howell	
Csg. Size 4 1/2"	Wt. 10.5 lb.	d 5,013'	Set At 5,013'	Perforations: From 4,915' To 4,555'		Well No. 1-A			
Tbg. Size 2 3/8"	Wt. 4.7 lb.	d 4,826'	Set At 4,826'	Perforations: From 4,505' To 4,095'		Unit Sec. Twp. Rye. I, 20, 30N, 8W			
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 P		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
		.680							

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			283		56	283	56	736		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		295	1.004	1.213	1.0336	4085
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.44095	516	1.3402	.936	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 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 865 P _c ² 748225 NO P _t ² P _w P _w ² P _c ² - P _w ² 1 748 559504 188721 2 3 4 5	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9647$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8097$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11478$
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Absolute Open Flow 11478 Mcfd @ 15.025	Angle of Slope @ .75
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By: K. Jenkins	Checked By: