

Att: Steve Rawlings TOC

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

Form C-122
Revised 1-63

RECEIVED

DEC 22 1988

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/27/88		OIL CON. DIST.	
Company TENNECO OIL CO.				Connection			
Pool				Formation BLANCO P.C.		Unit	
Completion Date		Total Depth 3220		Plug Back To 3176		Elevation	
Casing Size 4.5		Wt. 10.5		Set At 3220		Perforations: From 3016 To 3100	
Thg. Size 2.375		Wt. 4.7		Set At 3048		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Factor Set At		Well No. 2	
Producing Thru				Reservoir Temp. °F 8		Mean Annual Temp. °F	
				Baro. Press. - P _a		State NEW MEXICO	
L		H		Q _g .66		% 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.	
SI							635		635	
1.	2 x 6 x 3/4						272		483	55
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, Mc/d
1	11.0		284	1,005	1,231	1,032	3989
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/bbl.
1	.424	515	1,36	.939	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _r ²	P _w ²	R _w ²	P _r ² - R _w ²
1	647	495	245025	418609
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - R_w^2} = \frac{2,412}{2,412 - 245025}$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - R_w^2} \right]^n = 8431$

(2) $\left[\frac{P_r^2}{P_r^2 - R_w^2} \right]^n = \frac{2,1136}{2,1136 - 245025}$

Submitted to Commission
12/2/88

Absolute Open Flow _____ Mc/d @ 15.025		Angle of Slope @ _____	Slope, n _____ 85
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Remarks: _____

Approved By Commission	Conducted By	Calculated By	Checked By
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