

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

Form C-122
 Revised 9-1-65

File

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-3-1967	
Company Tenneco Oil Co.				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date		Total Depth		Plug Back TD 6700	Elevation 5813	Farm or Lease Name Dryden
Csq. Size 4.5	Wt. 	d 	Set At 6722	Perforations: From 6540 To 6682		Well No. 1
Thg. Size 2.375	Wt. 	d 	Set At 6674	Perforations: From To		Unit Sec. Twp. Rge. 28 28 8
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At	
Producing Thru TBQ.		Reservoir Temp. °F 		Mean Annual Temp. °F		Baro. Press. - P _g 12.0
State New Mexico						
L	H	G _q	% 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.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	2	x	3/4			1805		1797	
2.						310	60	617	
3.									
4.									
5.									

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RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		322	1.000	.9608	1.032	3944
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					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

NO.	P _c	P _w	R _w ²	P _c ² - R _w ²
1.	1817	629	395641	2905848
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \underline{1.1362}$

(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{1.1004}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{4340}$

Absolute Open Flow **4340** Mcfd @ 15.025

Angle of Slope θ _____

Slope, n **.75**

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Noel Tefteller	Checked By: U. E. Massey
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