

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

Form C-122
Revised 9-1-65

RECEIVED

FEB 4 1972

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-3-72	
Company Tenneco Oil Company		Connection	
Pool Lone Pine Dakota "A"		Formation Dakota	
Completion Date		Total Depth 2910	Plug Back TD
Elevation		Farm or Lease Name S F P R R	
Csg. Size 5 1/2	WL	Set At 2930	Perforations: From 2685 To 2693
Tbg. Size 2 3/8	WI	Set At 2604	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At	County McKinley
Producing Thru	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
State New Mexico			
L	H	G _g	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							872		Pkr.		
1.	2	x	3/4				418	60	"		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		430	1.000	.9608	1.044	5329
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 886	P _c ² 784996	
NO.	P _t ²	P _w
1		476096
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.5413$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10725$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0126$$

Absolute Open Flow	10725	Mcf/d @ 15.025	Angle of Slope @	.75	Slope, n
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Remarks: _____

Approved By Commission:	Conducted By: Teffteller, Inc.	Calculated By: Neil Teffteller	Checked By:
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