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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 1-27-78	
Company Read & Stevens, Inc. ✓				Connection None			
Pool North Turkey Track <i>Shallow</i>				Formation Morrow		Unit	
Completion Date 1-11-78		Total Depth 11298		Plug Back TD NA 11230		Elevation 3461 <i>ft.</i>	
Csg. Size 4 1/2		Wt. 12.7#		Set At 3.958		Perforations: From 10940 To 10954	
Trg. Size 2 3/8		Wt. 4.7#		Set At 1.995		Perforations: From open To end	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single						Packer Set At 10855	
Producing Thru Tbg.		Reservoir Temp. °F 172 @ 10970		Mean Annual Temp. °F 60		Buro. Press. - P _a 13.2	
L *10970		H 10970		G _g .614		% CO ₂	
						% N ₂	
						% H ₂ S	
						Prover	
						Meter Run 4"	
						Type Flg.	

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
51							3202				72 hrs.
1.	4	x	1.250	360	8.0	79	2330				1 hr.
2.	4	x	1.250	340	14.0	82	1892				1 hr.
3.	4	x	1.250	320	20.0	83	1400				1 hr.
4.	4	x	1.250	370	22.0	84	1030				1 hr.
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, Mcf/d
1	7.469	54.64	373.2	.9822	1.276	1.030	527
2	7.469	70.32	353.2	.9795	1.276	1.028	675
3	7.469	81.63	333.2	.9786	1.276	1.027	782
4	7.469	91.82	383.2	.9777	1.276	1.030	882
5							

NO.	P _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.56	539	1.49	.943	39.806	55 @ 60	.614	X X X X X X X X	671	362
2.	.53	542	1.50	.946				X X X X X		
3.	.50	543	1.50	.949						
4.	.57	544	1.50	.942						
5.										

NO.	P _i	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
1	3215.2	10337.5	2514	6320.2	1.161	1.104
2			2176	4735.0		
3			1649	2719.2		
4			1197	1432.8		
5						

Absolute Open Flow		974	Mcf/d @ 15.025	Angle of Slope	56.5	Slope, n	.662
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Remarks: * Bomb Set at 10970

Approved By Commission:	Conducted By: Reggie Reston & Bob McMurrain	Calculated By: Bob McMurrain	Checked By:
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