

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 6-13-69	
Company Jerome P. McHugh		Connection	
Pool Rollard P.C.		Formation Rollard Ch. 100	
Completion Date 5-20-69		Total Depth 2330	Plug Back TD 2300
Elevation 6504		Farm or Lease Name Nordhaus	
Csg. Size 4 1/2	Wt. 9.5	Set At 2331	Perforations: From 2218 To 2279
Tbg. Size 1 1/4	Wt. 2.4	Set At 2293	Perforations: From opened To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At None	County Rio Arriba
Producing Thru 769	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.							287		600	
2.	5" choke			121		60°			405	3 hrs
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.							
2.	8.5417		133	1.000	1.000	1.013	1151
3.							
4.							
5.							

NO.	P _r	Temp. °F	T _r	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

P _c 612	P _c 314	P _w 417	P _w 110.22	P _w 210.35
NO.	P _c ²	P _w ²	P _w ²	P _c ² - P _w ²
1.				
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.267$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 195$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n^{.85}} = 1.6977$

Absolute Open Flow	1956	Mcfd @ 15.025	Angle of Slope	0.85
Remarks:				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	

