

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-20-76			
Company Jerome P. McHugh				Connection					
Pool Nipp Pictured Cliffs Ext.				Formation Pictured Cliffs				Unit	
Completion Date 10-13-76		Total Depth 1280'		Plug Back TD 1212'		Elevation 6098' GR		Farm or Lease Name Chaco Plant	
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1252'	Perforations: From 1181' To 1191'				Well No. 19	
Tbg. Size 1-1/4"	Wt. 2.4#	d	Set At 1191'	Perforations: From Open To Ended				Unit K	Sec. 22
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .62	% 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.	Temp. °F	
1.							230		230		7 days
2.											
3.	5/8" Pos Choke						1	61°	12		3 hrs
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, Mcfd
1.							
2.							
3.	8.5417		13	.9990	.9837	1.000	109
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 _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.0099$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^{n \cdot 85} = 1.0084$
1.						
2.						
3.		24	576	57,988	AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 109$	
4.						
5.						

Absolute Open Flow _____ 109 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____ 85	
Remarks: _____					
Approved By Commission:		Conducted By: Charles Hall		Calculated By: Charles Hall	
				Checked By:	