

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 6-8-78			
Company Jerome P. McHugh				Connection					
Pool NIPP				Formation Pictured Cliffs				Unit	
Completion Date 6-1-78		Total Depth 1310'		Plug Back TD 1276'		Elevation 6103'		Farm or Lease Name Chaco Plant	
Csg. Size 2-7/8"	Wt. 6.4	d	Set At 1306'	Perforations: From 1168 To 1184		Well No. #19R			
Tbg. Size 1-1/4	Wt. 2.4	d	Set At 1197'	Perforations: From Open To End		Unit Sec. Twp. Rge. N 22 26 12			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru tbq		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
		.62							

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	
SI							190		204		7 days
1.											
2.											
3.	5/8 Pos. Choke						5	62°	26		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		17	.9981	.9837	1.000	142
4							
5							

NO.	P _r	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 _____ 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 216 P _c ² 46656					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0319$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0270$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1								
2								
3		38	1444	45212				
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 145$				
Absolute Open Flow <u>145</u> Mcfd @ 15.025 Angle of Slope θ _____ Slope, n <u>.85</u>				
Remarks: _____				
Approved By Commission:		Conducted By: C. Hall		Calculated By: C. Hall
Checked By:				