

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 5-24-78			
Company Jerome P. McHugh				Connection					
Pool NIPP				Formation Pictured Cliff				Unit	
Completion Date 5-8-78		Total Depth 1310'		Plug Back TD 1264'		Elevation 6176 GR		Farm or Lease Name Chaco Plant	
Csg. Size 2-7/8	Wt. 6.5	d	Set At 1279'	Perforations: From 1180 To 1196				Well No. 35	
Tbg. Size 1-1/4	Wt. 2.4	d	Set At 1198'	Perforations: From Open To End				Unit Sec. Twp. Rge. J 27 26 12	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g .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
SI							214		214		7 days
1.											
2.											
3.	5/8 Pos. Choke						3	69°	16		3 hrs
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							
3	8.5417		15	.9915	.9837	1.000	125
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 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 226	P _c ² 51076			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		28	784	50292
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0155$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n=.85} = 1.0130$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n=.85} = 126$

Absolute Open Flow 126 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		

Approved By Commission:	Conducted By: Hall	Calculated By: Hall	Checked By:
-------------------------	--------------------	---------------------	-------------