

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		8-6-76	
Company				Jerome P. McHugh							
Pool				Undesignated				Connection			
Formation				Pictured Cliffs				Unit			
Completion Date		7-29-76		Total Depth		1339'		Plug Back TD		1281'	
Elevation		6151'		Farm or Lease Name				Chaco Plant			
Csg. Size	2-7/8"	Wt.	6.5#	Set At	1307'	Perforations:	From	954'	To	1242'	Well No.
Tbg. Size	1-1/4"	Wt.	2.4#	Set At	1241'	Perforations:	From	Open	To	Ended	Unit
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single - Gas								San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tubing								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	
SI							242		242		7 days
1.											
2.											
3.	5/8" Pos Choke						14	67	85		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		26	.9933	.9837	1.000	217
4							
5							

NO.	P _t	Temp. °R	T _t	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 ²	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^{n \cdot 85} =$
1						
2						
3	85	7,225	57,291			
4						
5						

Absolute Open Flow 240 Mcfd @ 15.025 Angle of Slope θ .85
 Remarks: Light spray of water during test.

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