

3-NMOCC 1-McHugh 1-Tenneco 1-El Paso 1-File
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 4-18-79					
Company Jerome P. McHugh					Connection					
Pool WAW Fruitland PC					Formation PC					
Completion Date 4-11-79			Total Depth 1315'		Plug Back TD 1258'		Elevation 6153'		Farm or Lease Name Chaco Plant	
Csg. Size 2-7/8"	Wt. 6.4	d	Set At 1295'	Perforations: From 1190 To 1200			Well No. 20			
Tbg. Size 1-1/4"	Wt. 2.4	d	Set At 1195'	Perforations: From Open To End			Unit Sec. Twp. Rge. H 27 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 NM		
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							185		200		7 days
1.											
2.											
3.	5/8 Pos. Choke						5	60	35		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		17	1.000	.9837	1.000	143
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	

P _c 212 P _c ² 44944				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		47	2209	42735
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0517$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 149$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0438$$

Absolute Open Flow 149 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			
Approved By Commission:	Conducted By: Hall	Calculated By: Hall	Checked By: