

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 5-7-76	
Company Jerome P. McHugh		Connection	
Pool Undesignated		Formation Pictured Cliffs	
Completion Date 4-27-76		Total Depth 1345'	Plug Back TD 1288'
		Elevation 5938' GR	Farm or Lease Name Chaco Plant
Csq. Size 2-7/8"	Wt. 6.5#	Set At 1344'	Perforations: From 1208' To 1217'
Thq. Size 1-1/4"	Wt. 2.4#	Set At 1212'	Perforations: From Open Ended To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas		Packer Set At	Well No. 9
Producing Thru Tubing	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a
Unit H		Sec. 5	Twp. 26N
Rge. 12W		County San Juan	
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
1.							260		293		7 days
2.											
3.	5/8" Pos Choke						1	59°	95		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		13	1.001	.9837	1.000	109
4.							
5.							

NO.	P _t	Temp. R	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.
5.			Critical Temperature _____ R

P _c 305	P _c ² 93,025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1403$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1180$
NO.	P _t ²	P _w	P _w ²
1			
2			
3	107	11,449	81,576
4			
5			

Absolute Open Flow 121 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks: Light spray of water during test			

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