

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8-27-75	
Company Jerome P. McHugh				Connection		
Pool Undesignated PC				Formation Pictured Cliffs		Unit
Completion Date 8-19-75		Total Depth 1300'		Plug Back TD 1238'		Elevation 6016' GR
Farm or Lease Name Chaco Plant						Well No. 4
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1286'	Perforations: From 1152' To 1163'		Unit Sec. Twp. Rge. M 16 26N 12W
Thg. Size None	Wt.	d	Set At	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At	
Producing Thru Csg					State New Mexico	
Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g		County San Juan
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									195		7 days
1.											
2.											
3.	5/8" Pos. Choke		2			76°			2		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		14	.9850	.9837	1.000	116
4							
5							

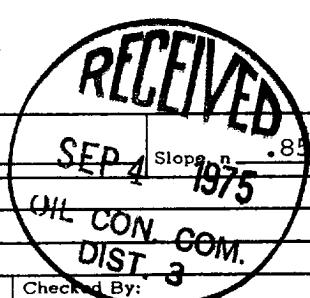
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 207 P _c ² 42849				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		14	196	42653
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.00$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 116$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0000$



Absolute Open Flow 116 Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		
Approved By Commission:	Conducted By: Charles Hall	Calculated By: Charles Hall
		Checked By: