

3-NMOCC (Aztec) 1-McHugh 1-Tenneco (Joseph) 1-EPNG (Clark) 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 4-20-77	
Company Jerome P. McHugh				Connection			
Pool Undesignated Fruitland - PC				Formation Fruitland - Pictured Cliffs		Unit	
Completion Date 4-13-77		Total Depth 1580'		Plug Back TD 1544'		Elevation 6031' GR	
Farm or Lease Name Nassau		Well No. 95R					
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1567'	Perforations: From 1280' To 1519'		Unit Sec. Twp. Rge. A 36 27N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L	H	Gg .62 est	% 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									356		7 days
1.											
2.											
3.	5/8" Pos Choke		2			60°					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	1.000	.9837	1.000	118
4.							
5.							

NO.	P _t	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 368 P_c² 135,424

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		14	196	135,228
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0014$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0012$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 118$

Absolute Open Flow	118	Mcfd @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks: P_t = P_w Friction Negligible

Approved By Commission:	Conducted By: Charles Hall	Calculated By: Jim L. Jacobs	Checked By:
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