

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 7-19-78	
Company Jerome P. McHugh				Connection		
Pool Choza Mesa PC				Formation Pictured Cliffs		Unit
Completion Date 7-7-78		Total Depth 4450'		Plug Back TD 4400'		Elevation 7321'
Farm or Lease Name Valencia Canyon Unit		Well No. 37				
Csg. Size 4-1/2	Wt. 10.5	d	Set At 4450	Perforations: From 4084 To 4308		Well No.
Tbg. Size 2-3/8	Wt. 4.7	d	Set At 4194	Perforations: From Open To End		Unit Sec. Twp. Rge. M 14 28 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County Rio Arriba
Producing Thru tbg		Reservoir Temp. °F s		Mean Annual Temp. °F		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	Duration of Flow
SI							1085		1085		7 days
1.											
2.											
3.	3/4" Pos. Choke						275	68°	823		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.	12.365		287	.9924	.9837	1.025	3550
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
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 1097	P _c ² 1203409	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3774$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0877$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.				
2.				
3.		835	697225	506184
4.				
5.				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7411$

Absolute Open Flow <u>7411</u> Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n <u>.85</u>
Remarks: _____		
Approved By Commission:	Conducted By: Hall	Calculated By: Hall
Checked By:		