

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			
Company Jerome P. McHugh				Connection					
Pool Choza Mesa - PC				Formation Pictured Cliffs				Unit	
Completion Date 7-20-78		Total Depth 4385'		Plug Back TD 4356'		Elevation 7299'		Farm or Lease Name Valencia Canyon	
Csg. Size 4-1/2	Wt. 10.5	d	Set At 4385'	Perforations: From 4056 To 4254		Well No. 39			
Tog. Size 1-1/4	Wt. 2.4	d	Set At 4214'	Perforations: From Open To End		Unit Sec. Twp. Rge. K 24 28 4			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
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							1105		1105		7 days
1.											
2.											
3.	3/4 Pos. Choke						110	71°	625		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	12.365		122	.9896	.9837	1.010	1483
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 1117	P _c ² 1247689		
NO.	P _t ²	P _w	P _w ²
1			
2			
3		637	405769
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4820$$

$$(2) \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{1/n} = 1.3970$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2072$$

Absolute Open Flow 2072	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: _____

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