

1-B
1-NCRA

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

Form C-122
Revised 9-1-65

1-F

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/2/79			
Company Bolin Oil Company				Connection NC					
Pool Otero				Formation Chacra				Unit	
Completion Date 3/23/79		Total Depth 5350' KB		Plug Back TD 5289' KB		Elevation 6643 GL		Farm or Lease Name Candado	
Csg. Size 5 1/2"	Wt. 15.50#	d	Set At 5330' KB	Perforations: From 3764' To 3886'		Well No. 21			
Tbg. Size 1 1/4"	Wt. 2.30	d	Set At 3950' KB	Perforations: From To		Unit Sec. Twp. Rge. B 4 26N 7W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. - multiple						Packer Set At 4034'		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1018#		1018#		SI 7 days 3 hrs.
1.	2"	X	3/4"				81#	43	600#		
2.											
3.											
4.											

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	12.3650		93	1.0156	1.000	1.000	1169
2.							
3.							
4.							
5.							

NO.	P _r	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 1030 P _c ² 1060900			
NO.	P _i ²	P _w	P _w ²
1	8649	612	374544
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5457$$

$$AQF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,621$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3863$$

Absolute Open Flow	1,621	Mcf @ 15.025	Angle of Slope θ	Shvd. n = .75
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Remarks: _____

Approved By Commission:	Conducted By: Crum	Calculated By: Crum	Checked By:
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