

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

Form O-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1/13/76				
Company Bolin Oil Company				Connection not connected					
Pool Otero				Formation Chacra				Unit	
Completion Date 1/2/76		Total Depth 3750'		Plug Back TD 3702'		Elevation 6547' GL		Farm or Lease Name Candado	
Csq. Size 5 1/2"	Wt. 15.5	d 4.950	Set At 3732'	Perforations: From 3558' To 3665'		Well No. 15			
Tbg. Size 1 1/2"	Wt. 2.4	d 1.380	Set At 3566'	Perforations: From To		Unit Sec. Twp. Rye. D 25 26 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. - Multiple					Packer Set At 2885' KB		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F @		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI			3/4"				1041#				7 days
1.							37	56			3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress.	Rate of Flow Q, Mcfd
1	12.3650		49	1.0039			608
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 1053		P _c ² 1,108,809		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,108,809}{1,074,213}$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0241$	
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²			
1	2401	186	34596				
2							
3							
4							
5							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 623$			
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Absolute Oper. Flow 623 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By:	
				Checked By:	