

✓ 2-0CC, Aztec, N.M.

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 4/2/70	
Company Bolin Oil Company			Connection NC		
Pool Otero			Formation Chacra		
Completion Date 3/26/79		Total Depth 5280' KB		Plug Back TD 5180' KB	
Elevation 6566 GL		Farm or Lease Name Candado			
Cng. Size 5 1/2"	Wt. 15.50#	d	Set At 32'	Perforations: From 3638' To 3738'	
Tbg. Size 1 1/4"	Wt. 2.30#	d	Set At 214'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. - multiple				Packer Set At 3835' KP	
Producing Thru Tbg.		Reservoir Temp. °F θ		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.	
SI							1015#		1015#	
1.	2"	X	3/4"				153#	48	752#	
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. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		165	1.0117	1.000	1.000	2,064
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

P _r 1027 P _c 21054729	
NO.	P _r
1	27225
2	
3	
4	
5	

P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2392$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.830$
764	583696	471033		

Absolute Open Flow 3,778 Mcfd @ 15.025		Angle of Slope θ		Slope, n = .75
Remarks:				

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