

✓2-OCB, Aztec, N.M.

1-B

1-NCRA

1-EPNG

1-F

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 8/8/80	
Company Bolin Oil Company						Connection NC					
Pool Otero						Formation Chacra					
Completion Date 7/31/80				Total Depth 4700' KB		Plug Back TD 4638' KB		Elevation 6120' GL		Farm or Lease Name Candado	
Cng. Size 5 1/2"		Wt. 15.5#		Set At 4695' KB		Perforations: From 3078' To 3176'				Well No. 24	
Tbg. Size 1 1/4"		Wt. 2.4#		Set At 3147' KB		Perforations: From To				Unit Sec. Twp. Rge. M 9 26N 7W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G. G. - multiple								Packer Set At 3240' KB		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
L		H		Gg		% CO ₂		% H 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							1009#		1012#		SI 7 days
1.	2	X	3/4"				8#	63	286#		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1	12.3650		20	.9971	1.0000	1.0000	247
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.L. 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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	400	298	88,804	953,637
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0931$$

$$ADP = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 264$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0691$$

Absolute Open Flow	264	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
--------------------	-----	--------------	------------------	--------------

Remarks: _____

Approved By Commission	Conducted By Crum	Calculated By Crum	Checked By
------------------------	----------------------	-----------------------	------------