

Amended

2-11, Arriba
1-2
1-NORA
1-EPN
1-3

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

Form C-122
Revised 3-1-66

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/24/70			
Company Bolin Oil Company				Location HC			
Pool Otero				Formation Clayton		Unit	
Completion Date 3/20/70		Total Depth 5250'		Plug Back To 5100' KB		Elevation (975' GL)	
Form or Lease Name Gerardo							
Csg. Size 5 1/2"	Wt. 15.70	d	Set At 5200'	Perforations: From 3640' To 3970'		Well No. 22	
Tub. Size 1 1/4"	Wt. 2.30	d	Set At 3970'	Perforations: From To		Unit Sec. Twp. Rge. L 4 26N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. - multiple				Packer Set At 3830' ID		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. *F p		Mean Annual Temp. *F		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									1020		7 day SI
1.	2"	X	3/4				112#	65	740#		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 _{sp}	Rate of Flow Q, Mcd
1	12.3480		125	1.3107	1.230	1.00	1,554
2.							
3.							
4.							
5.							

NO.	P _f	Temp. *R	T _f	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 _f ²	P _w	P _c ² - P _w ²
1	15376	750	504564
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1060900}{504564} = 2.1027$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,747$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,7680$

Absolute Open Flow	2,747	Mcf @ 15.025	Angle of Slope →	Slope = 75
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Remarks:

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