

✓2-OCC, Aztec, N.M.

1-EPN

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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 12/1/76			
Company Bolin Oil Company				Connection not connected					
Pool Otero				Formation Chacra				Unit	
Completion Date 11/23/76		Total Depth 5175'		Plug back TD		Elevation 6489'		Farm or Lease Name Candado	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 5175'	Perforations: From 3478' To 3582'		Well No. 16A			
Tbg. Size 1 1/4"	Wt. 2.40	d 1.380	Set At 3524'	Perforations: From 3524' To		Unit I Sec. 25 Twp. 26N Rge. 7W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At 2675'		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .650	% 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	2"						860		NA		8 days
1.			3/4	52		40			NA		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. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		64	1.0198	.9608	1.0000	775
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
					Specific Gravity Separator Gas _____ X X X X X X X X			
					Specific Gravity Flowing Fluid _____ X X X X X			
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
					Critical Temperature _____ R _____ R			

P _c 860	P _c ² 739600	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0880$		$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0653$
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1	4096	245	59798	679802
2				
3				
4				
5				

Absolute Open Flow 826 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks:			
Approved By Commission:		Conducted By:	Calculated By:
			Checked By: