

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

Form C-722
 Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 7-8-74				
Company Continental Oil Company				Connection Unconnected				
Pool Undesignated				Formation Pictured Cliffs				
Completion Date		Total Depth 5880		Plug Back TD 3630		Elevation 6565		Farm or Lease Name San Juan 29-4
Csg. Size 7"	Wt. 20# 23#	d 6.456 6.366	Set At 3800	Perforations: 3302 3378 From 3512 To 3550		Well No. 7		
Tbg. Size 1 1/4	Wt. 2.40	d 1.380	Set At 3542	Perforations: From To		Unit Sec. Twp. Rge. E 20 29N 4W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 123° @ 3414 GR		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2		State New Mexico
L	H	G _g .695	% CO ₂ -	% N ₂ -	% H ₂ S -	Pressure Meter Valve Tap 3/4" Choke Nipple		

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	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							870		876		SI-10 days
1.	3/4" Choke Nipple			32		72	130		498		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	9.604		44.2	.9887	1.200	1.000	504
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
1					Specific Gravity Separator Gas _____	XXXXXXXXXX
2					Specific Gravity Flowing Fluid _____	XXXXXX
3					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
4					Critical Temperature _____ R	_____ R
5						

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	510.2	260.3	528.6		1.4924	1.4054
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ **708**

Absolute Open Flow **708** Mcfd @ 15.025 Angle of Slope θ _____ Slope, n **0.85**

Remarks: **7.5 Bbls. Liquid**

NMOCC(Aztec)(3)		BEA File	
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	E. B. Errett	E. B. Errett	N. R. Smith