

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

Form C-122
Revised 9-1-65

RECEIVED

APR 2 1969

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-27-69	
Company Continental Oil Company			Connection Pending		
Pool Otero			Formation Chacra		Unit
Completion Date 2-27-69		Total Depth 3874' KB		Plug Back TD 3836' KB	
				Elevation 6745' KB	
Farm or Lease Name AXI Apache "J"			Well No. 13		
Csg. Size 4.500	Wt. 11.60	d 4.000	Set At 3874' KB	Perforations: 3719 To 3736' KB From 3820 To 3835' KB	
Tbg. Size 1.990	Wt. 2.76	d 1.610	Set At 3796' GB	Perforations: Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing thru Tubing		Reservoir Temp. *F 113° @ 3777' KB		Mean Annual Temp. *F 50	
				Bero. Press. - P _g 12	
State New Mexico		County Rio Arriba			
L	H	G _g 0.689	% 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 Choke	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
1.	3/4"			83		50	667	50	669	50	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	11.0000		95	1.010	1.205	1.013	1285
2							
3							
4							
5							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____	Dry Gas _____ Mcf/bbl.
1	.142	510	1.31	.975	A.P.I. Gravity of Liquid Hydrocarbons _____	Dry _____ Deg.
2					Specific Gravity Separator Gas _____	XXXXXX.XXXX
3					Specific Gravity Flowing Fluid _____	.689
4					Critical Pressure _____	669 P.S.I.A.
5					Critical Temperature _____	388 R

P _c 679 P _c ² 461.0					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5739$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4040$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1		410	168.1	292.9		
2						
3						
4						
5						

Absolute Open Flow _____ 1804 _____ Mcf @ 15.025				Angle of Slope Q _____		Slope, n _____ .75
Remarks _____						
Approved By Commission:		Conducted By: E. B. Errett		Calculated By: J. A. Mazza		Checked By: