

**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 3/25/78	
Company Continental Oil Company		Connection None	
Pool South Blanco		Formation Pictured Cliff	
Completion Date 3/14/78		Total Depth 3005'	Plug Back TD 2931'
Elevation 6694'		Farm or Lease Name L.V. APACHE "J"	
Csg. Size 4 1/2"	Wt. 10.5	Set At 2995'	Perforations: From 2902' To 2862'
Tbg. Size 1 1/4"	Wt. 2.40	Set At 2800'	Perforations: From Open End To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single G.G.		Packer Set At none	Well No. 28
Producing Thru tbg.	Reservoir Temp. °F 110° @ 2931	Mean Annual Temp. °F 50°	Baro. Press. - P _a 12.2
County RIO ARriba		State N. Mex	
Prover 2802'		H 2802'	G _g .690
% 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
1.	3/4" Orifice			792		53°	792	53°	792	50°	3 hr.
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.	11.00		36	1.007	1.204		492
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.029$					$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.92$				
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²					
1.	1296	135	18225	62821					
2.									
3.									
4.									
5.									

Absolute Open Flow 492		Mcf @ 15.025	Angle of Slope θ	Slope m = .25
Remarks:				
Approved By Commission:		Conducted By: D.L. Moore	Calculated By: D.L. Moore	Checked By:

NMOCC AZTEC (2) - USGS, DURANGO (2) - BEA-FILE

