

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 7-1-63

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/6/77		✓	
Company Continental Oil Co.				Connection			
Pool South Blanco				Formation Pictured Cliff		Unit	
Completion Date 8/11/77		Total Depth 6068		Plug Back TD 6036		Elevation 7137	
Farm or Lease Name AXS Apache "N"				Well No. 14			
Csg. Size 5 1/2	Wt. 15.5	d	Set At 6053	Perforations: From 3756 To 3760	Unit Sec. Twp. Rge. C 1 25N 4W		
Tbg. Size 2 3/8	Wt. 4.7	d	Set At 3680	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F 110° 3665		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2	
State N.M.							
Prover 3680		H 3680	G _g .69	% 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" (choke nipple)			21		68°	690	75°	690	75°	3 hr.
2.							21	68°	133	68°	
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Fl.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11.00		33	.9924	1.204	Neg	433
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1.		219	47,939	444865
2.				
3.				
4.				
5.				

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.108$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 472$

(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.091$

Absolute Open Flow	472	Mcf/d @ 15.025	Angle of Slope @	Slope, n = .85
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Remarks:

Approved By Commission:	Conducted By: D.L. Moore	Calculated By: D.L. Moore	Checked By:
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NMOCB, AZTEC (2) - USGS, DURANGO (2) - BEA - FILE