

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 5-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/2/77	
Company Continental Oil Co.		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 7/11/77		Total Depth 6258'	Plug Back TD 6210'
Elevation 7300'		Farm or Lease Name AXI Apache "N"	
Csg. Size 5 1/2	Wt. 15.5	Set At 6256'	Perforations From 6058 To 6132'
Tbg. Size 2 3/8	Wt. 4.70	Set At 6077'	Perforations From OPEN Ended
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE GAS		Packer Set At 6016	County Rio Arriba
Producing Thru TBG.	Reservoir Temp. °F 50°	Mean Annual Temp. °F 50°	Baro. Press. - P _a 12.2
L 6077	H 6077	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		22		60°	1110	75°	22	60°	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11.00		34	1.0	1.204	NEG	450
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

$P_c = 1122$ $P_c^2 = 1258884$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.047$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.035$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1.		239	57,249	1201635		
2.						
3.						
4.						
5.						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 465$

SEP 14 1977

OIL CON. COM.

DIST.

Absolute Open Flow 465	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
Remarks:			
Approved By Commissioner: D.L. Moore Conducted By: D.L. Moore Calculated By: D.L. Moore Checked By:			

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