

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

Form C-122
 Revised 6-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-15-75	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 12-5-75		Total Depth 5250'		Plug Back TD ----		Elevation 6278 GR
Casing Size 4 1/2"	Wt. 23#	d 10.50#	Set At 4700	Perforations: From 5070 To 5160		Farm or Lease Name Richardson
Tubg. Size 1 1/2"	Wt. 2.90#	d 5105	Set At 5105	Perforations: From ---- To ----		Well No. #12-A
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		Unit Sec. Twp. Rge. J 15 31N 12W
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		County San Juan
Baro. Press. - P _a		State New Mexico				
L	H	Gg	% 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.	
SI	2"		3/4"				802		802	
1.							183		703	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		183	1.0000	.9258	1.0000	2095
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

$P_c = 802$ $P_c^2 = 643,204$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.3169$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.9949$
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²		
1		703	494,209	148,995		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10,464$			
Absolute Open Flow <u>10,464</u> Mcfd @ 15.025 Angle of Slope @ _____ Slope, n _____			
Remarks: _____			

Approved By Commission:	Conducted By:	Calculated By: <i>Joe L. Turner</i>	Checked By:
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