

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 2-2-70		RECEIVED FEB 10 1970 OIL FIELD		
Company Aztec Oil & Gas Company			Connection Southern Union Gas						
Pool Tapaicito			Formation Picture Cliff			Unit			
Completion Date 1-27-70		Total Depth 8190		Plug Back TD 8184		Elevation 6974 Gr		Farm or Lease Name Jicarilla 101	
Csq. Size 4.5	Wt. 10.5	d	Set At 8216	Perforations: From 3724 To 3746		Well No. #3			
Tbg. Size 1.5	Wt. 2.9	d	Set At 3715	Perforations: From Opened To		Unit Sec. Twp. Rge. N 1 26 4			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual					Packer Set At 7850		County Rio Arriba		
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		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									910	
1.									151	
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		163	1.000	.9258	1.0000	1865
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 922	P _c ² 850,084	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.1032$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0110$	
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²
1		282	79524	770560
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1886$

Absolute Open Flow 1886 Mcfd @ 15.025

Angle of Slope @ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: <i>Joe P. Johnson</i>	Checked By:
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