

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

Form C-722
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-1-73	
Company Aztec Oil & Gas Company				Connection	
Pool Basin				Formation Dakota	
Completion Date 7-20-73		Total Depth 8100		Plug Back TD 8028	
Elevation 6487 GR		Farm or Lease Name Reese Mesa			
Csq. Size 9-5/8"	Wt. 32.30#	Set At 308	Perforations: From 7938 To 7962		Well No. #3
Tbg. Size 2-3/8"	Wt. 4.7#	Set At 7920	Perforations: From To		Unit H 13 32N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple			Packer Set At 7908		County San Juan
Producing Thru tubing		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a New Mexico	
L	H	G _g	% 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.	2"		3/4				2652				3 hrs
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	12.365		63	10000	9258	1.0000	722
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXXXXXX	
3					Specific Gravity Flowing Fluid _____ XXXXX	
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5					Critical Temperature _____ R _____ R	

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1		139	19,321	7,016,435
2				
3				
4				
5				

P_c 2652 P_c² 7,035,756

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0027$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0020$

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 723$

Absolute Open Flow 723 Mcfd @ 15.025

Angle of Slope ϕ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: 	Checked By:
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