

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 12-17-69	
Company Aztec Oil & Gas Company				Connection Southern Union Gas		
Pool Basin				Formation Dakota		Unit M
Completion Date 12-10-69		Total Depth 8060		Plug Back TD 8000		Elevation 6894 Gr
Csg. Size 4.5		Wt. 10.5		Set At 8058		Perforations: From 7282 To 7940
Trg. Size 1.5		Wt. 2.90		Set At 7792		Perforations: From Opened To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual					Packer Set At 7730	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
L		H		G _g Est. .700	% 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
SI							2173		-	-	7 days
1.	2		3/4				205		-	-	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	-	217	1.000	.9258	1.0000	2484
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 _____ Deq.
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 2185	P _c ² 4774	
NO.	P _t ²	P _w
1	45	1310
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 15611$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3469$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3965$

Absolute Open Flow	3469	Mcf/d @ 15.025	Angle of Slope @	.75
Remarks:				

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