

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 7-14-70		RECEIVED JUL 24 1970 OIL CON. COM. DIST. 3	
Company Aztec Oil & Gas				Connection Southern Union Gathering			
Pool Basin				Formation Dakota			
Completion Date 7-14-70				Total Depth 7182			
Csg. Size 4 1/2		Wt. 10.50		Set At 7182		Perforations: From 6932 To 7136	
Thg. Size 1 1/2		Wt. 2.90		Set At 6890		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 6890		Unit East	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
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						1247		
2.									144		3 hr.
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.	12,365		144	1.0000	.9258	1.000	1648
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 1259 P _c ² 1585,081					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1768$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1297$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1.		488	238,144	1,346,937				
2.								
3.								
4.								
5.								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1861$

$AOF = Q$

Absolute Open Flow <u>1861</u> Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n _____
Remarks: _____		

Approved By Commission:	Conducted By:	Calculated By: <i>[Signature]</i>	Checked By:
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