

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 3-29-71	
Company Aztec Oil & Gas Company			Connection Southern Union Gathering		
Pool Aztec			Formation Picture Cliff		Unit
Completion Date 3-22-71		Total Depth 2910	Plug Back TD 2900	Elevation 6263 Gr	Farm or Lease Name Goulding
Cas. Size 4-1/2"	Wt. 10.5#	d 	Set At 2900'	Perforations: From 2768 To 2784	Well No. #1
Tub. Size 1"	Wt. 1.7#	d 	Set At 2762	Perforations: From ---- To ----	Unit Sec. Twp. Rge. G 2 31N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----	County San Juan
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.	Temp. °F	
SI							765		765		
1.	2"		3/4				34		22		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
	12.365		34	1.000	.9258	1.000	389
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	mol/mol.
1					A.P.I. Gravity of Liquid Hydrocarbon	Deg.
2					Specific Gravity Separator Gas	XXXXXXX
3					Specific Gravity Flowing Fluid	OIL CON. COM.
4					Critical Pressure	DIST. 3 P.S.I.A.
5					Critical Temperature	R R

P _c 777	P _c ² 603,729	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0035$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0026$
NO.	P _t ²	P _w	R _w ²
1		46	2116
2			
3			
4			
5			

Absolute Open Flow		390	Mcfd @ 15.025	Angle of Slope θ	Slope, n
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Remarks:

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