

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 12-30-70	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering		
Pool Aztec				Formation Pictured Cliffs		Unit
Completion Date 12-23-70		Total Depth 2619		Plug Back TD 2619		Elevation 6005 Gr
Csg. Size 4 1/2"	Wt. 10.50#	d	Set At 2620	Perforations: From 2522 To 2540		Well No. A #6
Tbg. Size 1"	Wt. 1.7#	d	Set At 2520	Perforations: From ---- To ----		Unit Sec. Twp. Rye. A 34 30 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		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							750		750	
1.	2"		3/4				68		456	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
1	12.365		80	1.0000	.9258	1.0000	916
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 762	P _c ² 580,644	
NO.	P _t ²	P _w
1	468	219,024
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.6056}{1.6056 - 0.0000} = 1.6056$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.4954}{1.4954 - 0.0000} = 1.4954$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1370$			

Absolute Open Flow	1370	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
Remarks:				

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
JAN 6 1971		<i>[Signature]</i>	