

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 4-26-73	
Company Aztec Oil & Gas Company			Connection Southern Union Gathering		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 4-17-73		Total Depth 6985'	Plug Back TD 6960'	Elevation 5931 GR	Farm or Lease Name Grenier B
Csg. Size 4 1/2"	Wt. 9.5 11.5	d Set At 6985'	Perforations: From 4650' To 4720'		Well No. #4
Tbg. Size 2-3/8"	Wt. 4.7	d Set At 6770'	Perforations: From ---- To ----		Unit Sec. Twp. Rge. G 4 29N 10W
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Multiple			Packer Set At 6770'		County San Juan
Producing Thru Casing		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _g	State 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"						1010		7 3 Hours
2.									160		
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, Mcid
1.	12.365		172	1.0000	.9258	1.0000	1968
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 _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1,022 P _c ² 1,044,484	
NO.	P _t ² P _w P _w ² P _c ² - P _w ²
1.	384 147,456 8,970,280
2.	
3.	
4.	
5.	

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1643$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2192$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1136$

Absolute Open Flow	2192	Mcid @ 15.025	Angle of Slope @
Remarks:			

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