

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

RECEIVED

JUN 6 1967

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6/1/67	
Company Aztec Oil and Gas		Connection Southern Union Gas	
Pool Fulcher Kutz		Formation Pictured Cliff	
Completion Date 5/27/67		Total Depth 2060	
Plug Back TD 2050		Elevation 5855 GR	
Farm or Lease Name Kattler		Well No. 1	
Csg. Size 3 1/2	Wt. 7.7	Set At 2050	Perforations: From 1961 To 2007
Tbg. Size 1"	Wt. 1.7	Set At 1974	Perforations: From 1974 To open end
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single		Packer Set At	
Producing Thru		Baro. Press. - P _g	
Reservoir Temp. °F #		Mean Annual Temp. °F	
State New Mexico		County San Juan	
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	2"		3/4	7 day SI			214		208	
1.							116	60 (est.)	19	60 (est.)
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		31	1.000	9258	1.004	356
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 _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		128	16,384	34,692
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4723$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 495$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3897$

Absolute Open Flow	495	Mcf/d @ 15.025	Angle of Slope @	Slope, n	.85
--------------------	-----	----------------	------------------	----------	-----

Remarks: _____

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

XERO COPY

XERO COPY

XERO COPY

XERO COPY