

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 12-20-72	
Company AMOCO PRODUCTION COMPANY			Connection None		
Pool Fulcher Kutz			Formation Pictured Cliffs		Unit
Completion Date 12-13-72		Total Depth 2175	Plug Back TD 2114	Elevation 5973' KB	Farm or Lease Name Kutz Deep Test "C"
Csg. Size 4.500	Wt. 9.5	d 4.090	Set At 2164	Perforations: From 2004 To 2042	Well No. 2
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 2016	Perforations: From Open To Ended	Unit Sec. Twp. Rge. F 27 28N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 1900	County San Juan
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F 60° Est.	Baro. Press. - P _a 12 PSIA Est.	State New Mexico
L	H	G _g .65	% CO ₂	% N ₂	% H ₂ S Prover Meter Run Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line 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	7 Days				301		312		
1.	2-Inch .750				52		210		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12,3650		64	1.0000	.9608	1.000	760
2							
3							
4							
5							

NO.	P _f	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.
5					Critical Temperature	R

P _c 324	P _c ² 104,976	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.885$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.713$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	222	49,284	55,692
2			
3			
4			
5			

Absolute Open Flow 1301 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
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Remarks: **The Pictured Cliffs was opened, stimulated & potential tested first. Then a packer with an expendable plug was set & the fruitland was opened, stimulated and potential tested. Thus each zone was tested in a conventional single zone manner using 1" tubing. Final well configuration includes 2.375", 4.7# 1.995" ID tubing set at 1900' in the packer with 1" tailpipe from the packer (1900') to 2001'.**

Approved by Commission	Conducted By: T.M.Oliver	Calculated By: J.W.Calvin/ J.A.Pope	Checked By: J. A. Snell
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Original Signed by
J. ARNOLD