

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 1-26-73	
Company AMOCO PRODUCTION COMPANY				Connection None		
Pool Undesignated				Formation Fruitland		Unit
Completion Date 1-19-73		Total Depth 2175'		Plug Back TD 2114'		Elevation 5973' KB
Farm or Lease Name Kutz Deep Test "C"						Well No. 2
Csg. Size 4.500	Wt. 9.5	d 4.090	Set At 2164	Perforations: From 1760 To 1782		Unit 2
Thg. Size 1.660*	Wt. 2.4*	d 1.380*	Set At 1789*	Perforations: From Open To Ended		Unit Sec. Twp. Rge. F 27 28N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Bradenhead Producer in G.G. Multiple				Packer Set At 1900		County San Juan
Producing Thru Annulus		Reservoir Temp. °F @		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.
State New Mexico						
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
		.65				

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	STRENGTH Line Size X CHOKES Size Choke	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				743		743		
1.	2-Inch .750				176		530		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	12.3650		188	1.00	.9608	1.019	2276
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 _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X X X X
4					Critical Pressure _____ DIST. 3 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 755	P _c ² 570,025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{2.0634}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.8511}$
NO.	P _w	P _w ²	P _c ² - P _w ²
1			
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{4213}$	
Absolute Open Flow 4213	Angle of Slope θ _____ Slope, n. .85

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 1/2" tubing. Final well**

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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configuration includes 2.375" 4.7# 1.995" ID tubing set at 1900' in the packer with 1" multiple from the packer (1900') to 2001'.