

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 12-4-72				
Company AMOCO PRODUCTION COMPANY				Connection None					
Pool Fulcher Kutz				Formation Pictured Cliffs				Unit	
Completion Date 11-27-72		Total Depth 2295'		Plug Back TD 2231'		Elevation 6151' KB		Farm or Lease Name J. C. Davidson	
Csg. Size 4.50	Wt. 9.5	d 4.050	Set At 2285'	Perforations: From 2155' To 2182'		Well No. 2			
Thq. Size 1.66	Wt. 2.4	d 1.380	Set At 2178	Perforations: From Open To Ended		Unit Sec. Twp. Rge. E 28 28 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 60° Est.		Baro. Press. - P _a 12 PSIA Est.		State New Mexico	
L	H	Gg .650	% 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	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	Choke				285		292		
1.	2-Inch	.750				29	60°	212		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		41	1.000	.9608	1.000	487
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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ R

$P_c = 304$ $P_c^2 = 92,416$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.1879$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9440$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²				
1		224	50,176	42,240				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 947$					Absolute Open Flow 947 Mcfd @ 15.025		Angle of Slope θ _____ Slope, n .85	
Remarks: _____								

Approved By Commission:	Conducted By: O. N. Thurston	Calculated By: J.W. Calvin/P.C. Ellison	Checked By: J. Arnold Snell
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