

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 7-15-75				
Company AMOCO PRODUCTION COMPANY				Connection Southern Union Gathering Co.					
Pool Fulcher Kutz				Formation Pictured Cliffs				Unit	
Completion Date 7-15-75		Total Depth 1965		Plug Back TD 1927		Elevation 5993 KL		Farm or Lease Name R. P. Hargrave "F"	
Csg. Size 4.5	Wt. 10.5	d 4.052	Set At 1964	Perforations From 1818	To 1860	Well No. 3			
Tbg. Size 1.60	Wt. 2.40	d 1.380	Set At 1390	Perforations From Open	To Ended	Unit Sec. Twp. Rge. E 16 27 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F 60°		Mean Annual Temp. °F 12		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
.65									

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	
SI	7 Days						265		272		
1.	2-Inch	.750					38	60° est.	191	60° est.	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		50	1.000	.9608	1.005	597
2							
3							
4							
5							

NO.	P _r	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
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ R

JUL 28 1975
CR. DIV. 3

P _c 284	P _c ² 80,656		
NO.	P _t ²	P _w	P _w ²
1		203	41,209
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.04467}{1} = 2.04467$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.83666}{1} = 1.83666$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n \frac{1096}{1} = 1096$$

Absolute Open Flow 1096 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: _____

Original Signed by
R. E. McCLESKEY

Approved By Commission:	Conducted By: J. F. Elledge	Calculated By: R. Zerr/D. Norby	Checked By: R. E. McCleskey
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