

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 6/30/78			
Company Petroleum Corporation Of Texas				Connection Waiting on Pipeline					
Pool Fulcher Kutz P.C.				Formation Pictured Cliffs				Unit	
Completion Date 6/17/78		Total Depth 2145'		Plug Back TD 2082'		Elevation 5800 KB		Farm or Lease Name Day "J"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2115	Perforations: From 1946 To 1978		Well No. 3-R			
Tbg. Size 1.660	Wt. 2.40	d 1,380	Set At 1964'	Perforations: From 1961' To 1964'		Unit Sec. Twp. Rge. D 8 28N 10W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 90@ 2145		Mean Annual Temp. °F 60		Baro. Press. - P _a 12.0		State New Mexico	
L 1961	H 1961	Gg 0.600	% 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.		Temp. °F
SI							190		220		8 da.
1.							5	60	155		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		17	1.0000	1.0000	1.0000	210
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
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 232	P _c ² 53,824		
NO.	P _t ²	P _w	P _w ²
1		167	27,889
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.0753$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8600$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 391$$

Absolute Open Flow	391		Mcf/d @ 15.025	Angle of Slope @	0.85		Slope, n
Remarks:							

Approved By Commission:	Conducted By: Jerold Brooks	Calculated By: Ewell N. Walsh	Checked By:
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