

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 12/14/72	
Company M. M. Gallaway				Connection		
Pool Fulcher Kutz				Formation Pictured Cliffs		Unit
Completion Date 12/6/72		Total Depth 1915		Plug Back TD 1896.63'		Elevation 5867 Gr.
Farm or Lease Name DeLo						
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 1901	Perforations: From 1832 To 1852		Well No. 9
Teg. Size NO TUBING	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. I 25 28N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packer Set At ---	
Producing Thru Casing					County San Juan	
Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico
L 1822	H	G _g 0.620	% 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	2"		3/4"						368		7 Days
1.									93	58°	3 Hours
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		105	1.0019	0.9837	1.000	1280
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1	380	100	11,563	132,837
2.				
3.				
4.				
5.				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0870$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1374$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0735$

Absolute Open Flow	1374 Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks:

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By: <i>M. M. Gallaway</i>
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