

NEW MEXICO OIL 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 10/11/72	
Company W. M. Callaway				Connection	
Pool Falcher Kutz				Formation Pictured Cliffs	
Completion Date 10/3/72		Total Depth 1810		Plug Back TD 1796	
Csg. Size 4.500		Wt. 9.50		Elevation 5576 Or.	
Thg. Size 1.660		Wt. 2.30		Farm or Lease Name Dalo	
d 1.350		Set At 1807		Well No. 8	
Perforations: From 1690 To 1734		Set At 1727		Unit Sec. Twp. Rge. I 33 29N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a 12		Prover		Meter Run	
L 1727		H		Taps	
Gg 0.620		% CO ₂		% N ₂	
% H ₂ S		Prover		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"				196		196		8 Days
1.							18	68°	161		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 Fg	Super Compress. Factor, P _{sc}	Rate of Flow Q, Mcfd
1	12.3650		30	0.9924	0.9837	1.000	
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcf/bbl. Deg.
1											
2											
3											
4											
5											

P _c 208	P _c ² 43,264	P _w ² 173	P _w ² 29,929	P _c ² - P _w ² 13,335	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{3.2444}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.7192}$
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{984}$	
1						
2						
3						
4						
5						

Absolute Open Flow 984	Mcf @ 15.025	Angle of Slope θ	Slope, n 0.85
-------------------------------	--------------	-------------------------	----------------------

Remarks:			
Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By: Kenneth E. Roddy

W. M. Callaway, C.P.M.