

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 9/22/86	
Company ROMO Corporation				Connection None			
Pool Ballard P.C.				Formation Pictured Cliffs		Unit	
Completion Date 9/17/86		Total Depth 2150'		Plug Back TD 2092'		Elevation 6246'KB	
Farm or Lease Name Newsom		Well No. 4-R					
Csg. Size 4.50	Wt. 10.50	d 4.000	Set At 2134'	Perforations: From 1956' To 1997'			
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 1952'	Perforations: From Open Ended To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 105 @ 2150'		Mean Annual Temp. °F 60		Baro. Press. - P _a 12.0	
State New Mexico							
L 1952'	H 1952'	G _g 0.60	% 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							282		282		8 days
1.	3/4" T.H.C.						57		214		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		57	1.000	1.000	1.000	705
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 X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 282		P _c ² 79,524	
NO.	P _t ²	P _w	P _w ²
1		214	45,759
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3552$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,931$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.7396$

Absolute Open Flow 1,931	Mcf @ 15.025	Angle of Slope θ _____	Slope, n 0.85
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Remarks: _____

Approved By Commission:	Conducted By: Ken Roddy	Calculated By: Red Walsh	Checked By:
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