

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 6-5-79	
Company Consolidated Oil & Gas, Inc.				Connection	
Pool				Formation Pictured Cliffs	
Completion Date		Total Depth		Plug Back TD	
				Elevation	
Farm or Lease Name Con Hale					
Org. Size 5.5	Wt. 15.5	d	Set At 7428	Perforations: From 2864 To 2956	
Tbg. Size 1.25	Wt.	d	Set At 2893	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At	
Dual Gas				County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _a 12.0	
				State New Mexico	
L	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S
					Prover X
					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.	
1	Shut-in						560		560	
2	2 X 3/4						47	60	205	
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	9.453		59	1.000	1.240	1.000	692
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _f	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 5/2	P _c ² 327184	
NO.	P _t ²	P _w
1		217
2		47089
3		280095
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1681$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 790$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1410$

Absolute Open Flow	790	Mcfd @ 15.025	Angle of Slope	Slope, n .85
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Remarks:

Approved By Commission:	Conducted By: Toby Tefteller	Calculated By: Neil Tefteller	Checked By:
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