

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 11-11-78			
Company Consolidated Oil & Gas, Inc.				Connection					
Pool				Formation Mesa Verde				Unit	
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name Montoya	
Csq. Size	Wt.	d	Set At	Perforations: From 4516 To 4753				Well No. 1-A	
Tbg. Size 1 1/4	Wt.	d	Set At 4545	Perforations: From To				Unit Sec. Twp. Rge. 35 32 13	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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	Shut-in 7 days						752		758		
1.	2" X 3/4"						123	60	653		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	9.453		135	1.000	1.240	1.013	1603
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 770 P _c ² 592900		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9349$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.793832$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		665	442225	150675	
2					
3					
4					
5					

Absolute Open Flow 4478.5		Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				

Approved By Commission:	Conducted By: Cecil McKenzie	Calculated By: Archie Hughes	Checked By:
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