

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 2-1-63

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-18-78	
Company Consolidated Oil & Gas, Inc.				Connection			
Pool				Formation Dakota		Unit	
Completion Date		Total Depth		Plug Back TD 6906		Elevation 5874 GL	
Farm or Lease Name Montoya				Well No. 1-A			
Csg. Size 5½	Wt. d	Set At 6946	Perforations: From 6772 To 6860		Unit Sec. Twp. Rge. 35 32 13		
Tbg. Size 1½	Wt. d	Set At 6790	Perforations: From To				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual gas				Packer Set At 6730		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0		State New Mexico	
L	H	Gg .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.	
SI	14 days						1683		Pkr.	
1.	2" X 3/4"						119	60	Pkr.	
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		131	1.000	1.240	1.013	1556
2.							
3.							
4.							
5.							

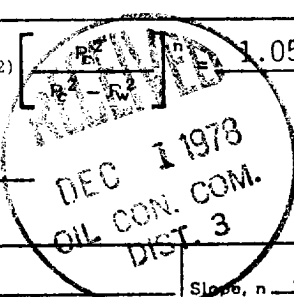
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical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

$P_c = 1695$ $P_c^2 = 2873025$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	131	438	197554	2675471
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0738$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1641$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0548$



Absolute Open Flow	1541	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				
Approved By Commission:	Conducted By: Archie Hughes	Calculated By: Neil Tefteller	Checked By:	