

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 10-13-78	
Company Consolidated Oil & Gas Inc.				Connection		
Field Blanco Mesa Verde				Formation Mesa Verde		Unit
Completion Date		Total Length		Flow Back TD 6820	Elevation 5719	Form or Lease Name FREEMAN
Drill Size 5 1/2	Wt. d	Set At 6820	Perforations: From 4389 To 4711		Well No. 1-A	
Trip Size 1 1/4	Wt. d	Set At 4506	Perforations: From To		Unit Sec. Twp. Rge. C 11 31 13	
Type well - Single - Bradenhead - G.G. or G.O. Multiple DUAL GAS				Packer Set At		County SAN JUAN
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		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	SHUT IN TUBING									
1.	2 x 3/4						950		954	
2.							169	60	750	
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, Fpv	Rate of Flow Q, Mcfd
1	9.453		180	1.000	1.240	1.019	2150
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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _f	P _w	P _w ²	P _c ² - P _w ²
1	766	586756	349400	
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6939$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 452.1$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.1027$

Absolute Open Flow	452.1	Mcf/d @ 15.025	Angle of Slope θ	Slope, n = .75
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Remarks:

Approved By Commission:	Conducted By: ARCHIE HUGHES	Calculated By: NAIL TEFTELLER	Checked By:
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