

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	
Company Consolidated Oil & Gas, Inc.				Connection			
Pool				Formation Dakota		Unit	
Completion Date		Total Depth 6939		Plug Back TD 6902		Elevation 5813' 12' KB	
Farm or Lease Name Wilmerding							
Csg. Size 5 1/2	Wt. 15 1/2 #	d 4.950	Set At 6939	Perforations: From 6627 To 6846		Well No. 1-M	
Tbg. Size 1 1/2	Wt. 2.9 #	d 1.610	Set At 6728	Perforations: From To		Unit Sec. Twp. Rge. C 10 31N 13W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 5015		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L	H	Gg .650 est.	% 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.	
SI							1181		Pkr.	
1.	2" X 3/4"	pos.	ck.				108	60		
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	11.00		120	1.000	1.240	1.011	1655
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 _____ 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 1193 P _c ² 1423.2				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	14.4		215.6	1207.6
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1785$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1310$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1872$

Absolute Open Flow	1872	Mcfd @ 15.025	Angle of Slope θ	Slope, n 75
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Remarks:			
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Approved By Commission:	Conducted By: Cecil McKenzie	Calculated By: Neil Tefteller	Checked By:
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Company CONSOLIDATED OIL & GAS, INC. Lease WILMERDING Well No. 1-M
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date OCTOBER 15, 1980

