

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 4-10-80						
Company Consolidated Oil & Gas, Inc.					Connection						
Pool Basin Dakota					Formation Dakota			Unit			
Completion Date			Total Depth		Plug Back TD 6844		Elevation		Farm or Lease Name Landauer		
Csg. Size 5 1/2		Wt. 15.5		Set At 6870		Perforations: From 6608 To 6816			Well No. 1-M		
Tbg. Size 1 1/2		Wt. 2.9		Set At 6657		Perforations: From To			Unit Sec. Twp. Rge. 1 3 31 13		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple					Packer Set At 6560			County San Juan			
Producing Thru Tubing			Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico		
L		H		Gg .650 est.		% CO ₂		% N ₂		% H ₂ S	
								Prover 6" nipple		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	7 days +						1698		Pkr.		
1.	2" X 3/4"						139	60	Pkr.		3 hours
2.											
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	11.00		151	1.000	1.240	1.015	2091
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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		582	342643	2581457	1.1327	1.0977
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 2295				Absolute Open Flow <u>2295</u> Mcfd @ 15.025	Angle of Slope ϕ _____
Remarks: _____					
Approved By Commission:		Conducted By: Neil Tefteller		Calculated By: Neil Tefteller	
				Checked By: _____	

APR 20 1980 75

OIL CON. COM.

DIST. 3