

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 4-4-80	
Company Consolidated Oil & Gas, Inc.				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date		Total Depth		Plug Back TD 6938	
				Elevation	
Csg. Size 5 1/2		Wt. d		Set At 6953	
Tbg. Size 1 1/2		Wt. d		Set At 6721	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual gas				Packer Set At 6620	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
				Baro. Press. - P _a	
L		H		G _g .650 est.	
				% CO ₂	
				% N ₂	
				% H ₂ S	
				Prover	
				Meter Run	
				Taps	
Farm or Lease Name Duke				Well No. 1-M	
Unit 1				Sec. 13	
Twp. 31				Rge. 13	
County San Juan				State New Mexico	

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 +						1159		Pkr.		
1.	2" X 3/8"						98	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 Ft.	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	2.378		110	1.000	1.240	1.011	328
2.							
3.							
4.							
5.							

NO.	P _r	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 _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0149$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0111$
1		142	20164	1351077		
2.						
3.						
4.						
5.						

Absolute Open Flow _____ 332 _____ Mcfd @ 15.025				Angle of Slope @ _____
Remarks: _____				

Approved By Commission:	Conducted By: Neil Tefteller	Calculated By: Neil Tefteller	Checked By:
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