

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

Form C-122
Revised 9-1-63

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-6-79			
Company Consolidated Oil & Gas, Inc.				Connection				
Pool Basin Dakota				Formation Dakota				Unit
Completion Date		Total Depth		Plug Back TD 8388		Elevation 7243GL		Farm or Lease Name Hoyt
Csq. Size	Wt.	d	Set At	Perforations: From 8190 To 8338			Well No. 1-E	
Tbg. Size 1 1/2	Wt.	d	Set At 8268	Perforations: From To			Unit Sec. Twp. Rge. E S 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	G _g	% 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.		Temp. °F
1.	7 days						2045		2045		3 hours
2.	2" X 3/4"						132	60	437		
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		144	1.000	1.240	1.019	1720
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 _____ 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

P _c 2057	P _c ² 4231249	
NO.	P _t ²	P _w ²
1.		449
2.		201601
3.		4029648
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0500$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1784$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1784$

Absolute Open Flow	1784	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: Vernon Nelson	Calculated By: Archie Hughes	Checked By:
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