

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

Form C-121
 Revised 9-1-66

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-5-79		
Company Consolidated Oil & Gas, Inc.					Connection		
Pool Basin Dakota					Formation Dakota		
Completion Date		Total Depth		Plug Back TD 8137	Elevation 7080	Farm or Lease Name Jicarilla	
Csg. Size 5 1/2	Wt. d	Set At 8141	Perforations: From 7992 To 8134		Well No. C-1E		
Tbg. Size 1 1/2	Wt. d	Set At 8038	Perforations: From To		Unit Sec. Twp. Range A 21 26 4		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		
Producing Thru Tubing		Reservoir Temp. °F 170° 8000	Mean Annual Temp. °F 12.0		Baro. Press. - P _a New Mexico		
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover X	
FLOW DATA			TUBING DATA		CASING DATA		
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	
SI	7 days			1321			
1.	2" X 1/2"			185		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	4.279		197	1.000	1.240	1.019	1065.1
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas 0.650 XXXXXXXXXX Specific Gravity Flowing Fluid XXXXXX Critical Pressure 670 P.S.I.A. P.S.I.A. Critical Temperature 375 R		
1.							
2.							
3.							
4.							
5.							
P _c 1633 P _c ² 2667 NO P _t ² P _w P _w ² P _c ² - P _w ²					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.18956$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.13904$		
1		652	425	2242			
2							
3							
4							
5							
Absolute Open Flow 1213.20 Mcfd @ 15.025					Angle of Slope @ 53.13°		Slope, n 0.750
Remarks:							
Approved By Commission:		Conducted By: Archie Hughes		Calculated By: Neil Tefteller		Checked By:	