

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 10-18-79	
Company Consolidated Oil & Gas, Inc.				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date		Total Depth 8359		Plug Back TD 8260	
Elevation 7149 GL		Farm or Lease Name Huron			
Csg. Size 5 1/2	Wt. d	Set At 8260	Perforations: From 8056 To		Well No. 2-E
Tbg. Size 1 1/2	Wt. d	Set At 8084	Perforations: From To		Unit Sec. Twp. Rge. M 2 26 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 8084	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0	
Baro. Press. - P _a 12.0		State New Mexico			
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S
Prover X		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						1798		Pkr.		
1.	2 X 3/4"						94		Pkr.		3 hr.
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		106	1.000	1.240	1.011	1462
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1810	P _c ² 3276100	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0605$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0450$
NO	P _t ²	P _w	P _w ²
1			186893
2			3089207
3			
4			
5			

$ACF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1528$	
Absolute Open Flow _____ 1528 _____ Mcfd @ 15.025	Angle of Slope @ _____ Slope, n .75

Remarks: _____			
Approved By Commission:	Conducted By: Archie Hughes	Calculated By: Neil Tefteller	Checked By: