Dated 7/8/2025

Maximum Injection Volume Calculations

Well Name:	Basler #1
API:	05-121-08743
UIC Facility #:	159076
Injection Formation:	J Sand

Injection Volume = (PI x r^2 x h x ρ) / 5.63

r = permitted radius	=	1320	feet, 1/4-mile
h = injection formation height	=	78	feet
ρ = injection formation porosity	=	20%	
Injection Volume Limit (bbl)	**=**	**15,167,498**	**bbl**

Injection Volume = (PI x r^2 x h x ρ) / 5.63

r = permitted radius	=	1980	feet, 3/8-mile, per ECMC Rule 803.f.(4)
h = injection formation height	=	78	feet
ρ = injection formation porosity	=	20%	
Injection Volume Limit (bbl)	**=**	**34,126,870**	**bbl**

Current Injection Volume (as of 3/2025) = **15,361,664** **bbl**

Perf Top	Perf Btm	Net Feet
4944	4956	12
4956	5002	46
5002	5012	10
5012	5022	10
Gross Footage		78

Formations	Top (ft)
Niobrara	4000
Fort Hays	4410
Carlile	4468
Greenhorn	4556
Bentonite	4741
D Sand	4833
J Sand	4904

Operator requests an increased injection radius to 3/8-mile, permissible per ECMC Rule 803.f.(4). Operator requests an increase of the Maximum Injection Volume to 34,126,870 bbls.