

NGL Water Solutions DJ, LLC

**NGL C1C**

Formation	Tops	Btm	Porosity	Lithology	To be Determined		
					TDS	Frac Gradient	Permeability
Lyons	9030'	9178'	7%	Sandstone, Leonardian age, very fine to fine grained, red, friable to locally silica cemented, fair to moderate porosity	19,762	0.44	~123
Lower Satanka	9178'	9444'	0%	Siltstone, shale, sparse very fine grained sandstone, brick red, anhydritic, tight	29,850	0.44	~123
Wolfcamp	9444'	9494'	3%	Anhydrite, white to gray, massive, thin beds of red siltstone, silty mudstone, tight	25,920	0.44	~123
Amazon	9494'	9558'	3%	Dolostone, pink to light brown, massive bedded, anhydritic, poor porosity	25,920	0.44	~123
Council Grove	9558'	9707'	6%	Dolostone, pink to light brown, massive bedded, poor to locally moderate porosity, interbedded with thin beds of red siltstone and shale	25,920	0.44	~123
Admire	9707'	9754'	0%	Sandstone, red to light gray, very fine grained, feldspathic, anhydritic to dolomitic, tight, sparse red shale and siltstone, very poor porosity	21,302	0.44	~123
Virgil	9754'	9972'	18%	Sandstone, very fine to medium grained, red to pink, calcareous, tight, interbedded with red shale and siltstone, locally micaceous, tight	21,302	0.44	~123
Missouri	9972'	10064'	10%	Limestone, pink to light gray, massive to thin bedded, tight, sparse, thin beds of red shale and red siltstone	23,223	0.44	~123
Fountain	10064'	10174'	0%	Sandstone, very fine to medium grained, red to pink, calcareous, tight, interbedded with red shale and siltstone, locally micaceous, tight	23,223	0.44	~123
Des Moines	10174'	10582'	0%	Sandstone, very fine to medium grained, red to pink, calcareous, tight, interbedded with red shale and siltstone, locally micaceous, tight	20,642	0.44	~123
Atoka	10582'	10750'	10%	Sandstone, very fine to medium grained, red to pink, calcareous, tight, interbedded with red shale and siltstone, locally micaceous, tight	20,642	0.44	~123
Morrow	10750'	10757'	0%	Sandstone, very fine to medium grained, red to pink, calcareous, tight, interbedded with red to maroon shale and siltstone, locally micaceous, tight	20,642	0.44	~123