



Oilfield Labs of America
3302 Pilot Ave.
Midland, Texas 79706
432-789-1860

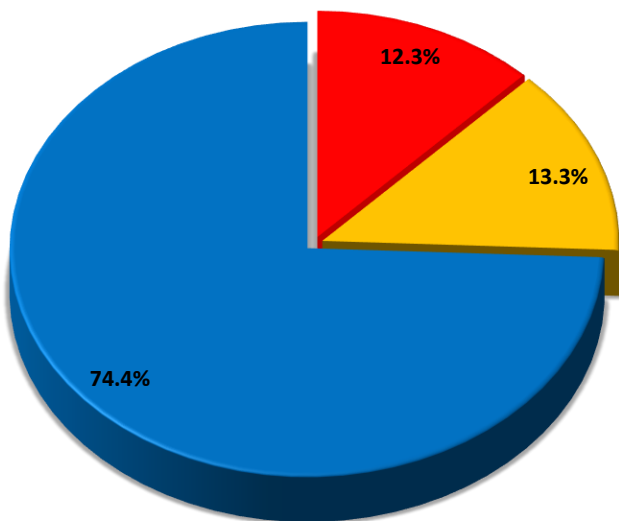
Report Date: 2/7/2019

Membrane Filter Analysis

OLA Client:		Test Requested:	Millipore
Operator:	Crown Quest	Sample ID:	01190131413
Requested By:		Sample Date:	1/31/2019
Lease:	Raw	Received Date:	1/31/2019
Location:	200	Logout Date:	2/7/2019
Region:	Permian	Analyst:	RWS

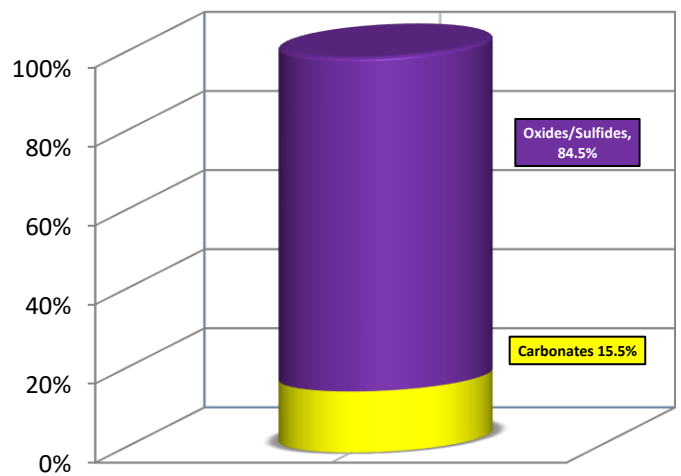
Crown Quest, Raw, 200

Total Suspended Solids



■ Hydrocarbon Soluble ■ Acid Soluble ■ Acid Insoluble

Acid Soluble



■ Carbonates ■ Oxides/Sulfides

Results

Pore Size (microns): 0.45 Time (mins): 4 Dissolved O2: _____
Volume Used (mls): 150 Pressure (psi): 20

Total Suspended Solids (mg/L):	3979	
Hydrocarbon Soluble (mg/L):	489	12.3%
Acid Soluble (mg/L):	531	13.3%
Acid Insoluble (mg/L):	2959	74.4%
Total:		100%

Acid Soluble (mg/L):	531	
Oxides/Sulfides (mg/L):	449	84.5%
Carbonates (mg/L):	82	15.5%
Total:		100%

Comments: _____



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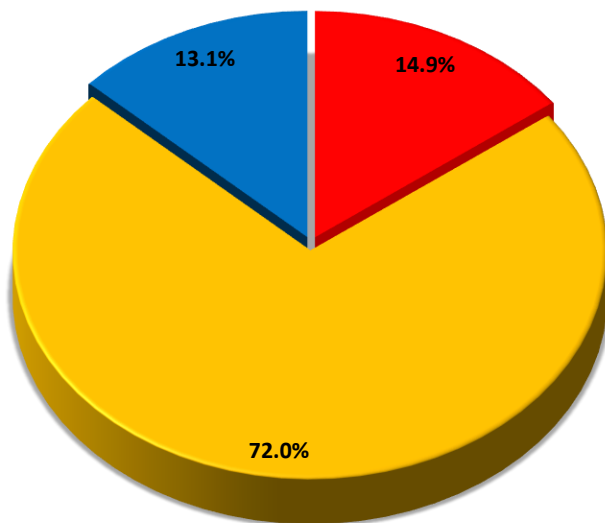
Report Date: 2/5/2019

Membrane Filter Analysis

OLA Client:		Test Requested:	Millipore
Operator:	Crown Quest	Sample ID:	01190131414
Requested By:		Sample Date:	1/31/2019
Lease:	Treated	Received Date:	1/31/2019
Location:	180	Logout Date:	2/5/2019
Region:	Permian	Analyst:	RWS

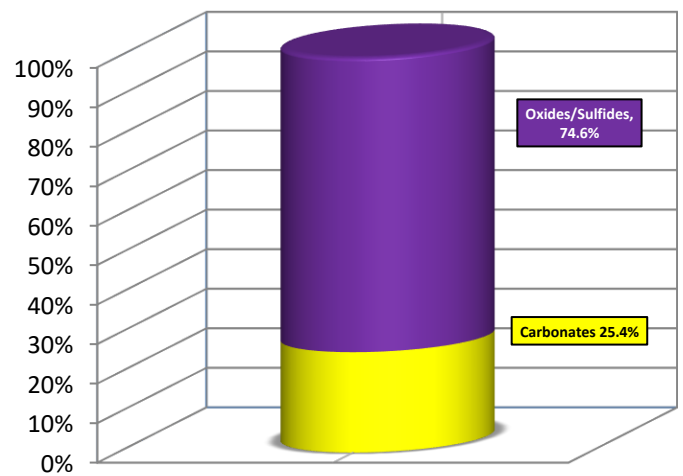
Crown Quest, Treated, 180

Total Suspended Solids



■ Hydrocarbon Soluble ■ Acid Soluble ■ Acid Insoluble

Acid Soluble



■ Carbonates ■ Oxides/Sulfides

Results

Pore Size (microns): 0.45 Time (mins): 2:45 Dissolved O2: _____
Volume Used (mls): 150 Pressure (psi): 20

Total Suspended Solids (mg/L):	117
Hydrocarbon Soluble (mg/L):	17 14.9%
Acid Soluble (mg/L):	84 72.0%
Acid Insoluble (mg/L):	15 13.1%
Total:	100%

Acid Soluble (mg/L):	84
Oxides/Sulfides (mg/L):	63 74.6%
Carbonates (mg/L):	21 25.4%
Total:	100%

Comments: _____