

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	2018-03-11
State:	New Mexico
County:	Eddy
API Number:	3001643936
Operator Name:	CREVRON
Well Name and Number:	PERMIAN BASIN
Longitude:	HH 80 10 P3 7H
Latitude:	-104.1797789
Long/Lat Projection:	32.06542194
Indian/Federal:	none
Production Type:	
True Vertical Depth (TVD):	9,870
Total Water Volume (gal):	21,216,818

30-015-43936

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 03 2018

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Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Ingredient Mass lbs	Comments	Company	First Name	Last Name	Email	Phone
Fresh Water	Operator	Base Fluid	Water	7732-18-5	100.00%	87.58795%	178735507	Density = 8.330					
BA-20 BUFFERING AGENT	Halliburton	Buffer	Listed Below	Listed Below			0	NA					
Cla-Wash(TM) II	Halliburton	Clay Stabilizer	Listed Below	Listed Below			0	NA					
HAL-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below			0	NA					
HCL >10%	Halliburton	Solvent	Listed Below	Listed Below			0	NA					
MC B-8628	Halliburton	Blocker	Listed Below	Listed Below			0	NA					
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Listed Below	Listed Below			0	NA					
OptiClean-WF(TM)	Halliburton	Concentrate	Listed Below	Listed Below			0	NA					
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003678)	Halliburton	Proppant	Listed Below	Listed Below			0	NA					
SAND-CRC-2040, 100 LB SACK	Halliburton	Proppant	Listed Below	Listed Below			0	NA					
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Listed Below	Listed Below			0	NA					
CORRSORB 3600	Baker Hughes	Corrosion Inhibitor	Listed Below	Listed Below			0	NA					
FDP-S1225-15	Halliburton	Surfactant	Listed Below	Listed Below			0	NA					
FightR EC-1	Halliburton	Friction Reducer	Listed Below	Listed Below			0	NA					
LD-7725	Halliburton	Scale Inhibitor	Listed Below	Listed Below			0	NA					
MSDS and Non-MSDS Ingredients are listed below the green line													
Ingredients	Listed Above	Listed Above	Acetic acid	64-19-7	30.00%	0.00214%	4327						
			Acid phosphate ester	Trade Secret			0	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-8228	Baker Hughes	N/A	N/A	N/A	281-351-8131
			Amine	Proprietary	0.10%	0.00003%	57		Halliburton	Denise	Tuck	Denise.Tuck@Halliburton.com	281-871-8228
			Amine salts	Proprietary	1.00%	0.00031%	826		Halliburton	Denise	Tuck	Denise.Tuck@Halliburton.com	281-871-8228
			Ammonium acetate	631-61-8	100.00%	0.00715%	14422						

		Ammonium compound	Proprietary	30.00%	0.00845%	17059	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Ammonium persulfate	17727-54-0	100.00%	0.00175%	3525				Denise Tuck® Halliburton co	281-871-6226
		Chlorine compound	Proprietary	30.00%	0.00845%	17059	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Contains no hazardous substances in concentrations above cut-off values according to the component authority	CAS Not Assigned	100.00%	0.09096%	183531	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Crystalline silica, quartz	14808-60-7	100.00%	11.56185%	23531359					
		Crystalline silica, Quartz (SiO2)	14808-60-7	1.00%	0.0002%	51					
		Cured acrylic resin	Proprietary	30.00%	0.0005%	1056	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Diatomaceous earth, calcined	91053-39-3	80.00%	0.00198%	4001					
		Diisocyanatylammonium chloride	7173-61-5	10.00%	0.00245%	4635					
		Ethanol	64-17-5	5.00%	0.0012%	2468					
		Ethoxylated isocohols	Proprietary	30.00%	0.02572%	51859	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Ethylene glycol	107-21-1	60.00%	0.01385%	27851					
		Fatty acids, tall oil	Proprietary	30.00%	0.0002%	445	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Fatty amine salt	Proprietary	5.00%	0.00425%	8576	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Glyceroldehyde	111-30-8	30.00%	0.00734%	14805					
		Gum gum	9000-30-0	100.00%	0.00615%	73031					
		Hexamethylenetetramine	10047-1-0	2.00%	0.01660%	94038					
		Hydrochloric acid	7647-01-0	30.00%	0.13306%	268500					
		Isotanol	97-58-1	60.00%	0.0024%	890					
		Odors	Proprietary	5.00%	0.00009%	180	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Phenol / formaldehyde resin	9003-35-4	5.00%	0.1165%	235990					
		Propargyl alcohol	107-19-7	10.00%	0.00007%	149					
		Quaternary amine	Proprietary	1.00%	0.00056%	1138	Halliburton	Denise	Tuck	Denise Tuck® Halliburton co	281-871-6226
		Quaternary ammonium compounds, benzyl-C12-16-alkylmethyl, chlorides	68424-85-1	7.00%	0.00171%	3455					
		Quaternary ammonium chloride	Trade Secret			0	Baker Hughes	N/A	N/A	N/A	281-351-6131
		Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	98527-49-1	30.00%	0.0002%	445					
		Sodium chloride	7647-14-5	1.00%	0.00028%	569					
		Sodium carbonate bihydrate	10486-00-7	100.00%	0.00720%	14520					
		Water	7732-18-5	100.00%	0.48855%	985768					

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

HH SO 10 P3 7H**30-015-43936**

Interval Number	Link to Proppant	Proppant Mass (lb)	Cum Proppant Mass (lb)
1	100 Mesh, 100 Mesh, Bulk Sand	33,824.00	33,824.00
1	100 Mesh, 100 Mesh, Bulk Sand	20,464.00	54,288.00
1	100 Mesh, 100 Mesh, Bulk Sand	39,390.00	93,678.00
1	100 Mesh, 100 Mesh, Bulk Sand	60,889.00	154,567.00
1	100 Mesh, 100 Mesh, Bulk Sand	73,170.00	227,737.00
1	100 Mesh, 100 Mesh, Bulk Sand	59,573.00	287,310.00
1	100 Mesh, 100 Mesh, Bulk Sand	75,650.00	362,960.00
1	40/70, CRC LT 40/70, Resin Coated Sand	21,227.00	384,187.00
1	40/70, CRC LT 40/70, Resin Coated Sand	30,788.00	414,975.00
2	100 Mesh, 100 Mesh, Bulk Sand	10,939.00	11,515.00
2	100 Mesh, 100 Mesh, Bulk Sand	21,024.00	32,539.00
2	100 Mesh, 100 Mesh, Bulk Sand	36,199.00	68,738.00
2	100 Mesh, 100 Mesh, Bulk Sand	46,439.00	115,177.00
2	100 Mesh, 100 Mesh, Bulk Sand	70,752.00	185,929.00
2	100 Mesh, 100 Mesh, Bulk Sand	75,512.00	261,441.00
2	100 Mesh, 100 Mesh, Bulk Sand	85,920.00	347,361.00
2	40/70, CRC LT 40/70, Resin Coated Sand	36,509.00	383,870.00
2	40/70, CRC LT 40/70, Resin Coated Sand	97,897.00	481,767.00
3	100 Mesh, 100 Mesh, Bulk Sand	10,497.00	10,497.00
3	100 Mesh, 100 Mesh, Bulk Sand	21,685.00	32,182.00
3	100 Mesh, 100 Mesh, Bulk Sand	40,961.00	73,143.00
3	100 Mesh, 100 Mesh, Bulk Sand	61,921.00	135,064.00
3	100 Mesh, 100 Mesh, Bulk Sand	71,210.00	206,274.00
3	100 Mesh, 100 Mesh, Bulk Sand	78,737.00	285,011.00
3	100 Mesh, 100 Mesh, Bulk Sand	94,538.00	379,549.00
3	40/70, CRC LT 40/70, Resin Coated Sand	24,377.00	403,926.00
3	40/70, CRC LT 40/70, Resin Coated Sand	68,946.00	472,872.00
4	100 Mesh, 100 Mesh, Bulk Sand	11,389.00	11,524.00
4	100 Mesh, 100 Mesh, Bulk Sand	21,182.00	32,706.00
4	100 Mesh, 100 Mesh, Bulk Sand	39,895.00	72,601.00
4	100 Mesh, 100 Mesh, Bulk Sand	61,153.00	133,754.00
4	100 Mesh, 100 Mesh, Bulk Sand	73,555.00	207,309.00
4	100 Mesh, 100 Mesh, Bulk Sand	78,937.00	286,246.00
4	100 Mesh, 100 Mesh, Bulk Sand	89,988.00	376,234.00
4	40/70, CRC LT 40/70, Resin Coated Sand	25,096.00	401,330.00
4	40/70, CRC LT 40/70, Resin Coated Sand	73,338.00	474,668.00
5	100 Mesh, 100 Mesh, Bulk Sand	11,496.00	11,544.00
5	100 Mesh, 100 Mesh, Bulk Sand	20,960.00	32,504.00
5	100 Mesh, 100 Mesh, Bulk Sand	40,273.00	72,777.00
5	100 Mesh, 100 Mesh, Bulk Sand	60,922.00	133,699.00
5	100 Mesh, 100 Mesh, Bulk Sand	74,341.00	208,040.00
5	100 Mesh, 100 Mesh, Bulk Sand	78,379.00	286,419.00
5	100 Mesh, 100 Mesh, Bulk Sand	87,177.00	373,596.00

5	40/70, CRC LT 40/70, Resin Coated Sand	27,622.00	401,218.00
5	40/70, CRC LT 40/70, Resin Coated Sand	69,760.00	470,978.00
6	100 Mesh, 100 Mesh, Bulk Sand	11,457.00	11,560.00
6	100 Mesh, 100 Mesh, Bulk Sand	21,005.00	32,565.00
6	100 Mesh, 100 Mesh, Bulk Sand	40,195.00	72,760.00
6	100 Mesh, 100 Mesh, Bulk Sand	61,068.00	133,828.00
6	100 Mesh, 100 Mesh, Bulk Sand	74,655.00	208,483.00
6	100 Mesh, 100 Mesh, Bulk Sand	78,361.00	286,844.00
6	100 Mesh, 100 Mesh, Bulk Sand	89,375.00	376,219.00
6	40/70, CRC LT 40/70, Resin Coated Sand	25,180.00	401,399.00
6	40/70, CRC LT 40/70, Resin Coated Sand	69,416.00	470,815.00
7	100 Mesh, 100 Mesh, Bulk Sand	11,355.00	11,561.00
7	100 Mesh, 100 Mesh, Bulk Sand	21,020.00	32,581.00
7	100 Mesh, 100 Mesh, Bulk Sand	40,001.00	72,582.00
7	100 Mesh, 100 Mesh, Bulk Sand	61,244.00	133,826.00
7	100 Mesh, 100 Mesh, Bulk Sand	73,424.00	207,250.00
7	100 Mesh, 100 Mesh, Bulk Sand	79,279.00	286,529.00
7	100 Mesh, 100 Mesh, Bulk Sand	89,734.00	376,263.00
7	40/70, CRC LT 40/70, Resin Coated Sand	26,612.00	402,875.00
7	40/70, CRC LT 40/70, Resin Coated Sand	68,662.00	471,537.00
8	100 Mesh, 100 Mesh, Bulk Sand	11,502.00	11,622.00
8	100 Mesh, 100 Mesh, Bulk Sand	20,855.00	32,477.00
8	100 Mesh, 100 Mesh, Bulk Sand	40,902.00	73,379.00
8	100 Mesh, 100 Mesh, Bulk Sand	60,312.00	133,691.00
8	100 Mesh, 100 Mesh, Bulk Sand	73,555.00	207,246.00
8	100 Mesh, 100 Mesh, Bulk Sand	79,346.00	286,592.00
8	100 Mesh, 100 Mesh, Bulk Sand	89,523.00	376,115.00
8	40/70, CRC LT 40/70, Resin Coated Sand	25,521.00	401,636.00
8	40/70, CRC LT 40/70, Resin Coated Sand	69,846.00	471,482.00
9	100 Mesh, 100 Mesh, Bulk Sand	11,458.00	11,475.00
9	100 Mesh, 100 Mesh, Bulk Sand	21,032.00	32,507.00
9	100 Mesh, 100 Mesh, Bulk Sand	40,037.00	72,544.00
9	100 Mesh, 100 Mesh, Bulk Sand	61,237.00	133,781.00
9	100 Mesh, 100 Mesh, Bulk Sand	73,518.00	207,299.00
9	100 Mesh, 100 Mesh, Bulk Sand	79,692.00	286,991.00
9	100 Mesh, 100 Mesh, Bulk Sand	89,314.00	376,305.00
9	40/70, CRC LT 40/70, Resin Coated Sand	25,214.00	401,519.00
9	40/70, CRC LT 40/70, Resin Coated Sand	68,751.00	470,270.00
10	100 Mesh, 100 Mesh, Bulk Sand	11,423.00	11,471.00
10	100 Mesh, 100 Mesh, Bulk Sand	21,081.00	32,552.00
10	100 Mesh, 100 Mesh, Bulk Sand	40,040.00	72,592.00
10	100 Mesh, 100 Mesh, Bulk Sand	61,484.00	134,076.00
10	100 Mesh, 100 Mesh, Bulk Sand	73,332.00	207,408.00
10	100 Mesh, 100 Mesh, Bulk Sand	79,171.00	286,579.00
10	100 Mesh, 100 Mesh, Bulk Sand	89,749.00	376,328.00
10	40/70, CRC LT 40/70, Resin Coated Sand	25,567.00	401,895.00
10	40/70, CRC LT 40/70, Resin Coated Sand	67,940.00	469,835.00

11	100 Mesh, 100 Mesh, Bulk Sand	11,614.00	12,197.00
11	100 Mesh, 100 Mesh, Bulk Sand	20,347.00	32,544.00
11	100 Mesh, 100 Mesh, Bulk Sand	40,056.00	72,600.00
11	100 Mesh, 100 Mesh, Bulk Sand	61,228.00	133,828.00
11	100 Mesh, 100 Mesh, Bulk Sand	73,466.00	207,294.00
11	100 Mesh, 100 Mesh, Bulk Sand	78,926.00	286,220.00
11	100 Mesh, 100 Mesh, Bulk Sand	98,634.00	384,854.00
11	40/70, CRC LT 40/70, Resin Coated Sand	19,779.00	404,633.00
11	40/70, CRC LT 40/70, Resin Coated Sand	66,789.00	471,422.00
12	100 Mesh, 100 Mesh, Bulk Sand	11,462.00	11,548.00
12	100 Mesh, 100 Mesh, Bulk Sand	21,037.00	32,585.00
12	100 Mesh, 100 Mesh, Bulk Sand	39,967.00	72,552.00
12	100 Mesh, 100 Mesh, Bulk Sand	61,291.00	133,843.00
12	100 Mesh, 100 Mesh, Bulk Sand	73,508.00	207,351.00
12	100 Mesh, 100 Mesh, Bulk Sand	79,027.00	286,378.00
12	100 Mesh, 100 Mesh, Bulk Sand	89,904.00	376,282.00
12	40/70, CRC LT 40/70, Resin Coated Sand	25,052.00	401,334.00
12	40/70, CRC LT 40/70, Resin Coated Sand	69,291.00	470,625.00
13	100 Mesh, 100 Mesh, Bulk Sand	11,506.00	11,532.00
13	100 Mesh, 100 Mesh, Bulk Sand	21,003.00	32,535.00
13	100 Mesh, 100 Mesh, Bulk Sand	40,323.00	72,858.00
13	100 Mesh, 100 Mesh, Bulk Sand	60,991.00	133,849.00
13	100 Mesh, 100 Mesh, Bulk Sand	73,445.00	207,294.00
13	100 Mesh, 100 Mesh, Bulk Sand	79,025.00	286,319.00
13	100 Mesh, 100 Mesh, Bulk Sand	94,442.00	380,761.00
13	40/70, CRC LT 40/70, Resin Coated Sand	21,042.00	401,803.00
13	40/70, CRC LT 40/70, Resin Coated Sand	68,861.00	470,664.00
14	100 Mesh, 100 Mesh, Bulk Sand	11,544.00	11,575.00
14	100 Mesh, 100 Mesh, Bulk Sand	21,020.00	32,595.00
14	100 Mesh, 100 Mesh, Bulk Sand	40,449.00	73,044.00
14	100 Mesh, 100 Mesh, Bulk Sand	60,830.00	133,874.00
14	100 Mesh, 100 Mesh, Bulk Sand	73,454.00	207,328.00
14	100 Mesh, 100 Mesh, Bulk Sand	79,023.00	286,351.00
14	100 Mesh, 100 Mesh, Bulk Sand	101,724.00	388,075.00
14	40/70, CRC LT 40/70, Resin Coated Sand	25,467.00	413,542.00
14	40/70, CRC LT 40/70, Resin Coated Sand	57,424.00	470,966.00
15	100 Mesh, 100 Mesh, Bulk Sand	11,262.00	11,517.00
15	100 Mesh, 100 Mesh, Bulk Sand	21,010.00	32,527.00
15	100 Mesh, 100 Mesh, Bulk Sand	38,205.00	70,732.00
15	100 Mesh, 100 Mesh, Bulk Sand	63,106.00	133,838.00
15	100 Mesh, 100 Mesh, Bulk Sand	73,399.00	207,237.00
15	100 Mesh, 100 Mesh, Bulk Sand	79,684.00	286,921.00
15	100 Mesh, 100 Mesh, Bulk Sand	89,594.00	376,515.00
15	40/70, CRC LT 40/70, Resin Coated Sand	24,723.00	401,238.00
15	40/70, CRC LT 40/70, Resin Coated Sand	69,157.00	470,395.00
16	100 Mesh, 100 Mesh, Bulk Sand	23,249.00	61,265.00
16	100 Mesh, 100 Mesh, Bulk Sand	29,258.00	90,523.00

16	100 Mesh, 100 Mesh, Bulk Sand	41,799.00	132,322.00
16	100 Mesh, 100 Mesh, Bulk Sand	51,429.00	183,751.00
16	100 Mesh, 100 Mesh, Bulk Sand	51,849.00	235,600.00
16	100 Mesh, 100 Mesh, Bulk Sand	48,658.00	284,258.00
16	100 Mesh, 100 Mesh, Bulk Sand	100,976.00	385,234.00
16	40/70, CRC LT 40/70, Resin Coated Sand	16,741.00	401,975.00
16	40/70, CRC LT 40/70, Resin Coated Sand	73,358.00	475,333.00
17	100 Mesh, 100 Mesh, Bulk Sand	11,443.00	11,523.00
17	100 Mesh, 100 Mesh, Bulk Sand	21,070.00	32,593.00
17	100 Mesh, 100 Mesh, Bulk Sand	40,009.00	72,602.00
17	100 Mesh, 100 Mesh, Bulk Sand	61,337.00	133,939.00
17	100 Mesh, 100 Mesh, Bulk Sand	73,521.00	207,460.00
17	100 Mesh, 100 Mesh, Bulk Sand	79,357.00	286,817.00
17	100 Mesh, 100 Mesh, Bulk Sand	89,393.00	376,210.00
17	40/70, CRC LT 40/70, Resin Coated Sand	25,025.00	401,235.00
17	40/70, CRC LT 40/70, Resin Coated Sand	69,185.00	470,420.00
18	100 Mesh, 100 Mesh, Bulk Sand	11,498.00	11,553.00
18	100 Mesh, 100 Mesh, Bulk Sand	20,974.00	32,527.00
18	100 Mesh, 100 Mesh, Bulk Sand	40,043.00	72,570.00
18	100 Mesh, 100 Mesh, Bulk Sand	61,295.00	133,865.00
18	100 Mesh, 100 Mesh, Bulk Sand	73,347.00	207,212.00
18	100 Mesh, 100 Mesh, Bulk Sand	79,639.00	286,851.00
18	100 Mesh, 100 Mesh, Bulk Sand	89,426.00	376,277.00
18	40/70, CRC LT 40/70, Resin Coated Sand	27,050.00	403,327.00
18	40/70, CRC LT 40/70, Resin Coated Sand	66,307.00	469,634.00
19	100 Mesh, 100 Mesh, Bulk Sand	11,226.00	11,525.00
19	100 Mesh, 100 Mesh, Bulk Sand	21,273.00	32,798.00
19	100 Mesh, 100 Mesh, Bulk Sand	40,411.00	73,209.00
19	100 Mesh, 100 Mesh, Bulk Sand	60,524.00	133,733.00
19	100 Mesh, 100 Mesh, Bulk Sand	73,565.00	207,298.00
19	100 Mesh, 100 Mesh, Bulk Sand	79,063.00	286,361.00
19	100 Mesh, 100 Mesh, Bulk Sand	90,343.00	376,704.00
19	40/70, CRC LT 40/70, Resin Coated Sand	26,043.00	402,747.00
19	40/70, CRC LT 40/70, Resin Coated Sand	67,910.00	470,657.00
20	100 Mesh, 100 Mesh, Bulk Sand	11,363.00	11,759.00
20	100 Mesh, 100 Mesh, Bulk Sand	20,950.00	32,709.00
20	100 Mesh, 100 Mesh, Bulk Sand	39,928.00	72,637.00
20	100 Mesh, 100 Mesh, Bulk Sand	60,830.00	133,467.00
20	100 Mesh, 100 Mesh, Bulk Sand	73,866.00	207,333.00
20	100 Mesh, 100 Mesh, Bulk Sand	78,878.00	286,211.00
20	100 Mesh, 100 Mesh, Bulk Sand	90,142.00	376,353.00
20	40/70, CRC LT 40/70, Resin Coated Sand	25,019.00	401,372.00
20	40/70, CRC LT 40/70, Resin Coated Sand	68,739.00	470,111.00
21	100 Mesh, 100 Mesh, Bulk Sand	11,429.00	11,678.00
21	100 Mesh, 100 Mesh, Bulk Sand	20,834.00	32,512.00
21	100 Mesh, 100 Mesh, Bulk Sand	40,081.00	72,593.00
21	100 Mesh, 100 Mesh, Bulk Sand	61,160.00	133,753.00

21	100 Mesh, 100 Mesh, Bulk Sand	72,479.00	206,232.00
21	100 Mesh, 100 Mesh, Bulk Sand	79,989.00	286,221.00
21	100 Mesh, 100 Mesh, Bulk Sand	91,047.00	377,268.00
21	40/70, CRC LT 40/70, Resin Coated Sand	25,780.00	403,048.00
21	40/70, CRC LT 40/70, Resin Coated Sand	68,078.00	471,126.00
22	100 Mesh, 100 Mesh, Bulk Sand	11,216.00	11,539.00
22	100 Mesh, 100 Mesh, Bulk Sand	20,975.00	32,514.00
22	100 Mesh, 100 Mesh, Bulk Sand	40,022.00	72,536.00
22	100 Mesh, 100 Mesh, Bulk Sand	61,449.00	133,985.00
22	100 Mesh, 100 Mesh, Bulk Sand	73,315.00	207,300.00
22	100 Mesh, 100 Mesh, Bulk Sand	79,010.00	286,310.00
22	100 Mesh, 100 Mesh, Bulk Sand	93,526.00	379,836.00
22	40/70, CRC LT 40/70, Resin Coated Sand	24,837.00	404,673.00
22	40/70, CRC LT 40/70, Resin Coated Sand	67,842.00	472,515.00
23	100 Mesh, 100 Mesh, Bulk Sand	11,502.00	11,547.00
23	100 Mesh, 100 Mesh, Bulk Sand	23,092.00	34,639.00
23	100 Mesh, 100 Mesh, Bulk Sand	40,031.00	74,670.00
23	100 Mesh, 100 Mesh, Bulk Sand	61,963.00	136,633.00
23	100 Mesh, 100 Mesh, Bulk Sand	73,710.00	210,343.00
23	100 Mesh, 100 Mesh, Bulk Sand	79,653.00	289,996.00
23	100 Mesh, 100 Mesh, Bulk Sand	87,973.00	377,969.00
23	40/70, CRC LT 40/70, Resin Coated Sand	28,378.00	406,347.00
23	40/70, CRC LT 40/70, Resin Coated Sand	66,773.00	473,120.00
24	100 Mesh, 100 Mesh, Bulk Sand	11,449.00	11,523.00
24	100 Mesh, 100 Mesh, Bulk Sand	20,963.00	32,486.00
24	100 Mesh, 100 Mesh, Bulk Sand	40,018.00	72,504.00
24	100 Mesh, 100 Mesh, Bulk Sand	61,265.00	133,769.00
24	100 Mesh, 100 Mesh, Bulk Sand	73,524.00	207,293.00
24	100 Mesh, 100 Mesh, Bulk Sand	79,014.00	286,307.00
24	100 Mesh, 100 Mesh, Bulk Sand	89,993.00	376,300.00
24	40/70, CRC LT 40/70, Resin Coated Sand	24,988.00	401,288.00
24	40/70, CRC LT 40/70, Resin Coated Sand	69,342.00	470,630.00
25	100 Mesh, 100 Mesh, Bulk Sand	11,432.00	11,483.00
25	100 Mesh, 100 Mesh, Bulk Sand	21,197.00	32,680.00
25	100 Mesh, 100 Mesh, Bulk Sand	40,128.00	72,808.00
25	100 Mesh, 100 Mesh, Bulk Sand	60,947.00	133,755.00
25	100 Mesh, 100 Mesh, Bulk Sand	73,594.00	207,349.00
25	100 Mesh, 100 Mesh, Bulk Sand	79,380.00	286,729.00
25	100 Mesh, 100 Mesh, Bulk Sand	90,712.00	377,441.00
25	40/70, CRC LT 40/70, Resin Coated Sand	27,138.00	404,579.00
25	40/70, CRC LT 40/70, Resin Coated Sand	60,827.00	465,406.00
26	100 Mesh, 100 Mesh, Bulk Sand	11,334.00	11,472.00
26	100 Mesh, 100 Mesh, Bulk Sand	23,330.00	34,802.00
26	100 Mesh, 100 Mesh, Bulk Sand	40,360.00	75,162.00
26	100 Mesh, 100 Mesh, Bulk Sand	60,666.00	135,828.00
26	100 Mesh, 100 Mesh, Bulk Sand	72,146.00	207,974.00
26	100 Mesh, 100 Mesh, Bulk Sand	78,268.00	286,242.00

26	100 Mesh, 100 Mesh, Bulk Sand	89,932.00	376,174.00
26	40/70, CRC LT 40/70, Resin Coated Sand	25,089.00	401,263.00
26	40/70, CRC LT 40/70, Resin Coated Sand	69,858.00	471,121.00
27	100 Mesh, 100 Mesh, Bulk Sand	11,297.00	11,587.00
27	100 Mesh, 100 Mesh, Bulk Sand	21,184.00	32,771.00
27	100 Mesh, 100 Mesh, Bulk Sand	39,717.00	72,488.00
27	100 Mesh, 100 Mesh, Bulk Sand	61,328.00	133,816.00
27	100 Mesh, 100 Mesh, Bulk Sand	73,610.00	207,426.00
27	100 Mesh, 100 Mesh, Bulk Sand	78,897.00	286,323.00
27	100 Mesh, 100 Mesh, Bulk Sand	93,641.00	379,964.00
27	40/70, CRC LT 40/70, Resin Coated Sand	21,607.00	401,571.00
27	40/70, CRC LT 40/70, Resin Coated Sand	69,046.00	470,617.00
28	100 Mesh, 100 Mesh, Bulk Sand	11,745.00	11,807.00
28	100 Mesh, 100 Mesh, Bulk Sand	20,743.00	32,550.00
28	100 Mesh, 100 Mesh, Bulk Sand	40,018.00	72,568.00
28	100 Mesh, 100 Mesh, Bulk Sand	61,252.00	133,820.00
28	100 Mesh, 100 Mesh, Bulk Sand	74,932.00	208,752.00
28	100 Mesh, 100 Mesh, Bulk Sand	77,476.00	286,228.00
28	100 Mesh, 100 Mesh, Bulk Sand	90,451.00	376,679.00
28	40/70, CRC LT 40/70, Resin Coated Sand	24,605.00	401,284.00
28	40/70, CRC LT 40/70, Resin Coated Sand	69,353.00	470,637.00
29	100 Mesh, 100 Mesh, Bulk Sand	11,441.00	11,484.00
29	100 Mesh, 100 Mesh, Bulk Sand	21,089.00	32,573.00
29	100 Mesh, 100 Mesh, Bulk Sand	39,974.00	72,547.00
29	100 Mesh, 100 Mesh, Bulk Sand	61,140.00	133,687.00
29	100 Mesh, 100 Mesh, Bulk Sand	73,574.00	207,261.00
29	100 Mesh, 100 Mesh, Bulk Sand	80,494.00	287,755.00
29	100 Mesh, 100 Mesh, Bulk Sand	91,513.00	379,268.00
29	40/70, CRC LT 40/70, Resin Coated Sand	22,574.00	401,842.00
29	40/70, CRC LT 40/70, Resin Coated Sand	68,661.00	470,503.00
30	100 Mesh, 100 Mesh, Bulk Sand	11,451.00	11,457.00
30	100 Mesh, 100 Mesh, Bulk Sand	21,050.00	32,507.00
30	100 Mesh, 100 Mesh, Bulk Sand	40,030.00	72,537.00
30	100 Mesh, 100 Mesh, Bulk Sand	61,190.00	133,727.00
30	100 Mesh, 100 Mesh, Bulk Sand	73,712.00	207,439.00
30	100 Mesh, 100 Mesh, Bulk Sand	78,784.00	286,223.00
30	100 Mesh, 100 Mesh, Bulk Sand	90,047.00	376,270.00
30	40/70, CRC LT 40/70, Resin Coated Sand	24,979.00	401,249.00
30	40/70, CRC LT 40/70, Resin Coated Sand	69,610.00	470,859.00
31	100 Mesh, 100 Mesh, Bulk Sand	11,550.00	11,565.00
31	100 Mesh, 100 Mesh, Bulk Sand	19,964.00	31,529.00
31	100 Mesh, 100 Mesh, Bulk Sand	40,978.00	72,507.00
31	100 Mesh, 100 Mesh, Bulk Sand	61,306.00	133,813.00
31	100 Mesh, 100 Mesh, Bulk Sand	73,411.00	207,224.00
31	100 Mesh, 100 Mesh, Bulk Sand	79,899.00	287,123.00
31	100 Mesh, 100 Mesh, Bulk Sand	90,464.00	377,587.00
31	40/70, CRC LT 40/70, Resin Coated Sand	24,347.00	401,934.00

31	40/70, CRC LT 40/70, Resin Coated Sand	69,270.00	471,204.00
32	100 Mesh, 100 Mesh, Bulk Sand	11,718.00	11,773.00
32	100 Mesh, 100 Mesh, Bulk Sand	21,156.00	32,929.00
32	100 Mesh, 100 Mesh, Bulk Sand	39,567.00	72,496.00
32	100 Mesh, 100 Mesh, Bulk Sand	61,312.00	133,808.00
32	100 Mesh, 100 Mesh, Bulk Sand	67,030.00	200,838.00
32	100 Mesh, 100 Mesh, Bulk Sand	84,634.00	285,472.00
32	100 Mesh, 100 Mesh, Bulk Sand	93,762.00	379,234.00
32	40/70, CRC LT 40/70, Resin Coated Sand	23,516.00	402,750.00
32	40/70, CRC LT 40/70, Resin Coated Sand	72,889.00	475,639.00
33	100 Mesh, 100 Mesh, Bulk Sand	11,796.00	11,806.00
33	100 Mesh, 100 Mesh, Bulk Sand	20,791.00	32,597.00
33	100 Mesh, 100 Mesh, Bulk Sand	40,205.00	72,802.00
33	100 Mesh, 100 Mesh, Bulk Sand	61,516.00	134,318.00
33	100 Mesh, 100 Mesh, Bulk Sand	72,976.00	207,294.00
33	100 Mesh, 100 Mesh, Bulk Sand	78,977.00	286,271.00
33	100 Mesh, 100 Mesh, Bulk Sand	90,401.00	376,672.00
33	40/70, CRC LT 40/70, Resin Coated Sand	24,600.00	401,272.00
33	40/70, CRC LT 40/70, Resin Coated Sand	70,821.00	472,093.00
34	100 Mesh, 100 Mesh, Bulk Sand	10,931.00	10,952.00
34	100 Mesh, 100 Mesh, Bulk Sand	20,253.00	31,205.00
34	100 Mesh, 100 Mesh, Bulk Sand	40,676.00	71,881.00
34	100 Mesh, 100 Mesh, Bulk Sand	61,811.00	133,692.00
34	100 Mesh, 100 Mesh, Bulk Sand	70,182.00	203,874.00
34	100 Mesh, 100 Mesh, Bulk Sand	80,432.00	284,306.00
34	100 Mesh, 100 Mesh, Bulk Sand	91,267.00	375,573.00
34	40/70, CRC LT 40/70, Resin Coated Sand	24,417.00	399,990.00
34	40/70, CRC LT 40/70, Resin Coated Sand	71,925.00	471,915.00
35	100 Mesh, 100 Mesh, Bulk Sand	10,120.00	10,120.00
35	100 Mesh, 100 Mesh, Bulk Sand	22,458.00	32,578.00
35	100 Mesh, 100 Mesh, Bulk Sand	39,837.00	72,415.00
35	100 Mesh, 100 Mesh, Bulk Sand	61,387.00	133,802.00
35	100 Mesh, 100 Mesh, Bulk Sand	73,968.00	207,770.00
35	100 Mesh, 100 Mesh, Bulk Sand	78,588.00	286,358.00
35	100 Mesh, 100 Mesh, Bulk Sand	89,895.00	376,253.00
35	40/70, CRC LT 40/70, Resin Coated Sand	25,021.00	401,274.00
35	40/70, CRC LT 40/70, Resin Coated Sand	72,660.00	473,934.00
36	100 Mesh, 100 Mesh, Bulk Sand	10,273.00	10,278.00
36	100 Mesh, 100 Mesh, Bulk Sand	22,218.00	32,496.00
36	100 Mesh, 100 Mesh, Bulk Sand	39,980.00	72,476.00
36	100 Mesh, 100 Mesh, Bulk Sand	61,228.00	133,704.00
36	100 Mesh, 100 Mesh, Bulk Sand	75,128.00	208,832.00
36	100 Mesh, 100 Mesh, Bulk Sand	77,725.00	286,557.00
36	100 Mesh, 100 Mesh, Bulk Sand	89,630.00	376,187.00
36	40/70, CRC LT 40/70, Resin Coated Sand	25,103.00	401,290.00
36	40/70, CRC LT 40/70, Resin Coated Sand	74,639.00	475,929.00
37	100 Mesh, 100 Mesh, Bulk Sand	11,807.00	11,809.00

37	100 Mesh, 100 Mesh, Bulk Sand	20,696.00	32,505.00
37	100 Mesh, 100 Mesh, Bulk Sand	40,604.00	73,109.00
37	100 Mesh, 100 Mesh, Bulk Sand	60,545.00	133,654.00
37	100 Mesh, 100 Mesh, Bulk Sand	73,773.00	207,427.00
37	100 Mesh, 100 Mesh, Bulk Sand	78,905.00	286,332.00
37	100 Mesh, 100 Mesh, Bulk Sand	89,998.00	376,330.00
37	40/70, CRC LT 40/70, Resin Coated Sand	24,930.00	401,260.00
37	40/70, CRC LT 40/70, Resin Coated Sand	70,202.00	471,462.00
38	100 Mesh, 100 Mesh, Bulk Sand	11,524.00	11,553.00
38	100 Mesh, 100 Mesh, Bulk Sand	21,028.00	32,581.00
38	100 Mesh, 100 Mesh, Bulk Sand	39,780.00	72,361.00
38	100 Mesh, 100 Mesh, Bulk Sand	61,438.00	133,799.00
38	100 Mesh, 100 Mesh, Bulk Sand	73,431.00	207,230.00
38	100 Mesh, 100 Mesh, Bulk Sand	79,169.00	286,399.00
38	100 Mesh, 100 Mesh, Bulk Sand	89,912.00	376,311.00
38	40/70, CRC LT 40/70, Resin Coated Sand	25,025.00	401,336.00
38	40/70, CRC LT 40/70, Resin Coated Sand	71,923.00	473,259.00
39	100 Mesh, 100 Mesh, Bulk Sand	11,509.00	11,525.00
39	100 Mesh, 100 Mesh, Bulk Sand	21,026.00	32,551.00
39	100 Mesh, 100 Mesh, Bulk Sand	40,029.00	72,580.00
39	100 Mesh, 100 Mesh, Bulk Sand	61,372.00	133,952.00
39	100 Mesh, 100 Mesh, Bulk Sand	73,324.00	207,276.00
39	100 Mesh, 100 Mesh, Bulk Sand	80,091.00	287,367.00
39	100 Mesh, 100 Mesh, Bulk Sand	88,938.00	376,305.00
39	40/70, CRC LT 40/70, Resin Coated Sand	24,915.00	401,220.00
39	40/70, CRC LT 40/70, Resin Coated Sand	69,765.00	470,985.00
40	100 Mesh, 100 Mesh, Bulk Sand	11,489.00	11,538.00
40	100 Mesh, 100 Mesh, Bulk Sand	21,010.00	32,548.00
40	100 Mesh, 100 Mesh, Bulk Sand	40,015.00	72,563.00
40	100 Mesh, 100 Mesh, Bulk Sand	61,220.00	133,783.00
40	100 Mesh, 100 Mesh, Bulk Sand	73,437.00	207,220.00
40	100 Mesh, 100 Mesh, Bulk Sand	79,019.00	286,239.00
40	100 Mesh, 100 Mesh, Bulk Sand	89,867.00	376,106.00
40	40/70, CRC LT 40/70, Resin Coated Sand	25,414.00	401,520.00
40	40/70, CRC LT 40/70, Resin Coated Sand	70,647.00	472,167.00
41	100 Mesh, 100 Mesh, Bulk Sand	11,474.00	11,501.00
41	100 Mesh, 100 Mesh, Bulk Sand	21,027.00	32,528.00
41	100 Mesh, 100 Mesh, Bulk Sand	42,406.00	74,934.00
41	100 Mesh, 100 Mesh, Bulk Sand	59,388.00	134,322.00
41	100 Mesh, 100 Mesh, Bulk Sand	72,878.00	207,200.00
41	100 Mesh, 100 Mesh, Bulk Sand	80,056.00	287,256.00
41	100 Mesh, 100 Mesh, Bulk Sand	89,284.00	376,540.00
41	40/70, CRC LT 40/70, Resin Coated Sand	26,951.00	403,491.00
41	40/70, CRC LT 40/70, Resin Coated Sand	70,625.00	474,116.00
42	100 Mesh, 100 Mesh, Bulk Sand	11,446.00	11,502.00
42	100 Mesh, 100 Mesh, Bulk Sand	21,039.00	32,541.00
42	100 Mesh, 100 Mesh, Bulk Sand	40,051.00	72,592.00

42	100 Mesh, 100 Mesh, Bulk Sand	61,251.00	133,843.00
42	100 Mesh, 100 Mesh, Bulk Sand	73,446.00	207,289.00
42	100 Mesh, 100 Mesh, Bulk Sand	79,738.00	287,027.00
42	100 Mesh, 100 Mesh, Bulk Sand	89,322.00	376,349.00
42	40/70, CRC LT 40/70, Resin Coated Sand	24,957.00	401,306.00
42	40/70, CRC LT 40/70, Resin Coated Sand	69,145.00	470,451.00
43	100 Mesh, 100 Mesh, Bulk Sand	10,808.00	10,808.00
43	100 Mesh, 100 Mesh, Bulk Sand	21,589.00	32,397.00
43	100 Mesh, 100 Mesh, Bulk Sand	40,211.00	72,608.00
43	100 Mesh, 100 Mesh, Bulk Sand	61,202.00	133,810.00
43	100 Mesh, 100 Mesh, Bulk Sand	73,594.00	207,404.00
43	100 Mesh, 100 Mesh, Bulk Sand	79,404.00	286,808.00
43	100 Mesh, 100 Mesh, Bulk Sand	89,649.00	376,457.00
43	40/70, CRC LT 40/70, Resin Coated Sand	24,854.00	401,311.00
43	40/70, CRC LT 40/70, Resin Coated Sand	73,081.00	474,392.00
44	100 Mesh, 100 Mesh, Bulk Sand	12,329.00	12,352.00
44	100 Mesh, 100 Mesh, Bulk Sand	20,162.00	32,514.00
44	100 Mesh, 100 Mesh, Bulk Sand	40,598.00	73,112.00
44	100 Mesh, 100 Mesh, Bulk Sand	60,730.00	133,842.00
44	100 Mesh, 100 Mesh, Bulk Sand	73,589.00	207,431.00
44	100 Mesh, 100 Mesh, Bulk Sand	79,076.00	286,507.00
44	100 Mesh, 100 Mesh, Bulk Sand	90,933.00	377,440.00
44	40/70, CRC LT 40/70, Resin Coated Sand	24,944.00	402,384.00
44	40/70, CRC LT 40/70, Resin Coated Sand	69,488.00	471,872.00
45	100 Mesh, 100 Mesh, Bulk Sand	11,941.00	11,944.00
45	100 Mesh, 100 Mesh, Bulk Sand	20,848.00	32,792.00
45	100 Mesh, 100 Mesh, Bulk Sand	39,748.00	72,540.00
45	100 Mesh, 100 Mesh, Bulk Sand	61,287.00	133,827.00
45	100 Mesh, 100 Mesh, Bulk Sand	74,683.00	208,510.00
45	100 Mesh, 100 Mesh, Bulk Sand	77,869.00	286,379.00
45	100 Mesh, 100 Mesh, Bulk Sand	90,719.00	377,098.00
45	40/70, CRC LT 40/70, Resin Coated Sand	24,212.00	401,310.00
45	40/70, CRC LT 40/70, Resin Coated Sand	70,760.00	472,070.00
46	100 Mesh, 100 Mesh, Bulk Sand	10,071.00	10,071.00
46	100 Mesh, 100 Mesh, Bulk Sand	22,502.00	32,573.00
46	100 Mesh, 100 Mesh, Bulk Sand	40,150.00	72,723.00
46	100 Mesh, 100 Mesh, Bulk Sand	61,077.00	133,800.00
46	100 Mesh, 100 Mesh, Bulk Sand	74,153.00	207,953.00
46	100 Mesh, 100 Mesh, Bulk Sand	78,343.00	286,296.00
46	100 Mesh, 100 Mesh, Bulk Sand	90,092.00	376,388.00
46	40/70, CRC LT 40/70, Resin Coated Sand	24,907.00	401,295.00
46	40/70, CRC LT 40/70, Resin Coated Sand	72,290.00	473,585.00
47	100 Mesh, 100 Mesh, Bulk Sand	11,449.00	11,449.00
47	100 Mesh, 100 Mesh, Bulk Sand	21,573.00	33,022.00
47	100 Mesh, 100 Mesh, Bulk Sand	40,533.00	73,555.00
47	100 Mesh, 100 Mesh, Bulk Sand	60,277.00	133,832.00
47	100 Mesh, 100 Mesh, Bulk Sand	73,358.00	207,190.00

47	100 Mesh, 100 Mesh, Bulk Sand	79,044.00	286,234.00
47	100 Mesh, 100 Mesh, Bulk Sand	89,948.00	376,182.00
47	40/70, CRC LT 40/70, Resin Coated Sand	28,341.00	404,523.00
47	40/70, CRC LT 40/70, Resin Coated Sand	61,955.00	466,478.00
48	100 Mesh, 100 Mesh, Bulk Sand	7,831.00	7,831.00
48	100 Mesh, 100 Mesh, Bulk Sand	24,765.00	32,596.00
48	100 Mesh, 100 Mesh, Bulk Sand	40,257.00	72,853.00
48	100 Mesh, 100 Mesh, Bulk Sand	61,040.00	133,893.00
48	100 Mesh, 100 Mesh, Bulk Sand	74,135.00	208,028.00
48	100 Mesh, 100 Mesh, Bulk Sand	77,957.00	285,985.00
48	100 Mesh, 100 Mesh, Bulk Sand	90,208.00	376,193.00
48	40/70, CRC LT 40/70, Resin Coated Sand	25,046.00	401,239.00
48	40/70, CRC LT 40/70, Resin Coated Sand	69,989.00	471,228.00
49	100 Mesh, 100 Mesh, Bulk Sand	13,235.00	13,281.00
49	100 Mesh, 100 Mesh, Bulk Sand	19,298.00	32,579.00
49	100 Mesh, 100 Mesh, Bulk Sand	39,959.00	72,538.00
49	100 Mesh, 100 Mesh, Bulk Sand	61,214.00	133,752.00
49	100 Mesh, 100 Mesh, Bulk Sand	73,614.00	207,366.00
49	100 Mesh, 100 Mesh, Bulk Sand	79,004.00	286,370.00
49	100 Mesh, 100 Mesh, Bulk Sand	89,840.00	376,210.00
49	40/70, CRC LT 40/70, Resin Coated Sand	25,082.00	401,292.00
49	40/70, CRC LT 40/70, Resin Coated Sand	70,409.00	471,701.00
50	100 Mesh, 100 Mesh, Bulk Sand	11,640.00	11,640.00
50	100 Mesh, 100 Mesh, Bulk Sand	20,967.00	32,607.00
50	100 Mesh, 100 Mesh, Bulk Sand	39,956.00	72,563.00
50	100 Mesh, 100 Mesh, Bulk Sand	61,168.00	133,731.00
50	100 Mesh, 100 Mesh, Bulk Sand	73,482.00	207,213.00
50	100 Mesh, 100 Mesh, Bulk Sand	79,091.00	286,304.00
50	100 Mesh, 100 Mesh, Bulk Sand	89,946.00	376,250.00
50	40/70, CRC LT 40/70, Resin Coated Sand	25,119.00	401,369.00
50	40/70, CRC LT 40/70, Resin Coated Sand	74,272.00	475,641.00