

## May 2018 LETTING PROCEDURE I SPECIFIC GRAVITIES

Producer	CMS ID Producer	Legal Description	Location	Products	Bulk Dry	Saturated	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude	
					(Gsb)	Surf Dry						Apparent
Allied Inc	811604	S25 T15S R19W	Ellis Co		2.579	2.609	2.658	1.2	November 1, 2015	s		
Alsop	811105	S27 T05S R03W	Cloud Co.		2.538	2.563	2.603	1.0	July 1, 2015	s		
Alsop	811107	S27 T13S R01E	Dickinson Co.		2.556	2.611	2.705	2.2	July 1, 2017	s		
Alsop	811114	S05 T04S R04W	Republic Co.		2.518	2.559	2.627	1.7	August 1, 2017	s	39.73909	97.78814
APAC (FRLY)	804008	S07 T16S R25E	Miami Co	-1"	2.603	2.615	2.692	1.4	September 1, 2016			
APAC (FRLYARG)	804008	S07 T16S R25E	Miami Co	-1/2, -3/4	2.533	2.595	2.703	2.5	August 1, 2016			
APAC Kansas	810903	S05 T27S R24W	Ford Co.		2.578	2.602	2.641	0.9	September 1, 2013	s		
APAC-Shears	801934	S21 T23S R05W	Reno Co.		2.560	2.583	2.633	0.9	July 1, 2017	s		
APAC-Shears (HRFD)	801935	S02 T21S R13E	Coffey Co.		2.570	2.626	2.725	2.2	January 1, 2018			
Associated	819904	S12 T30S R01E	Sumner County		2.557	2.581	2.621	0.9	September 1, 2013	s		
Associated	819905	S14 T26S R01W	Sedgwick County		2.554	2.578	2.618	1.0	November 1, 2017	s		
Bayer Const Co.	802325	S05 T13S R05E	Geary Co.		2.535	2.593	2.692	2.3	October 1, 2017			
Bayer Const. Co. (TRKO)	802449	S03 T11S R09E	Riley Co.		2.515	2.584	2.703	2.8	December 1, 2017			
Beyer Crushed Rock Co (BFLS)	806901	S26 T45N R33W	Cass Co. MO		2.559	2.608	2.690	1.9	May 1, 2018			
Bingham (Lawyer Pile)	821816	S28 T29N R23E	Ottawa Co. OK		2.543	2.582	2.561	1.6	January 1, 2017	c	36.96795	94.82484
Bingham (Sooner Pile)	821812	S16 T29N R23E	Ottawa Co. OK		2.516	2.568	2.654	2.1	December 1, 2017	c	36.99599	94.82399
Bladen Sand	823802	S014 T02N R16W	Franklin Co. NE		2.581	2.597	2.619	0.6	February 1, 2015	s		
Blue River Sand	805404	S25 T04S R06E	Marshall Co.		2.559	2.584	2.624	1.0	October 1, 2017	s		
Carder	823503	S30 T22S R44W	Prowers Co. CO	SSG, CG	2.585	2.610	2.651	1.0	June 1, 2015	s		
Central Sand	848601	S22 T26S R01W	Sedgwick County	SSG	2.554	2.577	2.620	1.0	November 1, 2017	s		
Concrete Enterprise	813403	S04 T28S R13W	Pratt Co.		2.559	2.590	2.641	1.2	November 1, 2017	s		
Cornejo & Sons	819304	S02 T27S R01W	Sedgewick Co.		2.533	2.561	2.605	1.1	June 1, 2015	s		
Cornejo Mtls	820103	S23 T26S R01W	Sedgewick Co.	SSG	2.571	2.592	2.625	0.8	December 1, 2017	s		
Cornejo Mtls	820105	S14 T31S R10E	Elk Co.	CS1A, CS1	2.482	2.563	2.700	3.2	November 1, 2017			
Cornejo Stone (EVCK)	801504	S13 T31S R10E	Elk Co.	3/4"	2.511	2.577	2.689	2.7	February 1, 2018		37.35270	96.28578
Deweese	825001	S17 T01N R07W	Nuckolls Co. NE	SSG	2.576	2.594	2.623	0.7	October 1, 2017	s		
Dodge City Sand	813102	S32 T26S R25W	Ford Co.		2.550	2.580	2.630	1.0	May 1, 2018	s		
Dolese	809402	S32 T06N R15W	Kiowa Co. OK		2.706	2.723	2.753	0.6	April 1, 2018		34.94803	98.81396
Eastern Colorado Agg	833301	S18 T23S R42W	Holly, Prowers Co, CO		2.578	2.607	2.654	1.1	August 1, 2015	s		
Flint Rock Products Pile # 2	822503	SW 1/4 S29 T29N R23E	Ottawa County, OK		2.539	2.587	2.668	1.9	October 1, 2017	c	36.96011	94.84968
Granite Mountain	838701	S26 T01N R12W	Pulaski Co., AR		2.592	2.608	2.633	0.6	April 1, 2018			
Gravel and Concrete	832701	S15 T22S R07W	Reno Co.		2.551	2.580	2.620	1.1	April 1, 2014	s		
Hamm	800976	S15 T14S R04E	Dickinson Co.		2.457	2.541	2.681	3.4	April 1, 2018			
Hamm (EVCK)	800977	S09 T11S R17E	Jefferson Co.		2.558	2.622	2.732	2.5	May 1, 2018			
Hamm (NEVA)	800980	S11 T07S R10E	Pottawatomie Co.		2.453	2.529	2.654	3.1	March 1, 2018			
Hamm (OZWK)	800977	S09 T11S R17E	Jefferson Co.		2.613	2.663	2.751	1.9	May 1, 2018			
Hamm (STNR)	800907	S15 T13S R21E	Douglas Co.		2.598	2.642	2.719	1.7	October 1, 2017			
Hard Rock Sand	809904	S02 T27S R25W	Ford Co.	SSG	2.561	2.587	2.629	1.0	December 1, 2013	s	37.72627	100.02266
Hard Rock Sand	844501	S31 T26S R25W	Ford Co.		2.565	2.605	2.616	1.0	April 1, 2016	s		
Harshman Const.	801517	S04 T30S R11E	Elk Co.	3/4"	2.499	2.574	2.700	3.0	December 1, 2016		37.47226	96.21392
Hartford S&G	824802	S30T10SR08E	Riley Co.	SSG	2.564	2.595	2.648	1.2	December 1, 2017	s		
Hi-Plains Sand	CC130704	S19 T16S R06W	Ellsworth Co.		2.547	2.594	2.673	1.8	December 1, 2016	s	38.64956	98.03405
Huber	812701	S21 T24S R32W	Finney Co.		2.560	2.580	2.620	1.0	January 1, 2018	s	37.95444	100.84933
Huber	835801	S17 T24S R40W	Hamilton Co.		2.558	2.580	2.626	1.1	December 1, 2017	s		
Hunt (BFLS underground)	803512	S02 T52N R34W	Platte Co MO	-1"	2.605	2.645	2.715	1.6	January 1, 2018			
Johnson County Aggregates ARGN	806701	S09 T14S R23E	Johnson Co. KS		2.591	2.643	2.734	2.0	March 1, 2017		38.84677	94.86382
Johnson Sand	818902	S 05 T15S R02W	Salina		2.544	2.599	2.692	2.2	November 1, 2015	s	38.78218	97.57118

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	Producer				(Gsb)	Surf Dry						Apparent
Kinsley Redi Mix	835101	S35 T24S R19W	Edwards Co.		2.548	2.581	2.633	1.3	September 1, 2014	S		
Klotz	812605	S31 T24S R31W	Finney Co.		2.556	2.584	2.629	1.1	December 1, 2017	S		
Klotz	812607	S02 T25S R36W	Kearny Co.		2.568	2.590	2.627	0.9	May 1, 2018	S		
Klotz	812809	S03 T25S R36W	Kearny Co.		2.575	2.599	2.638	0.9	May 1, 2014	S		
Klotz	814202	S18 T24S R40W	Hamilton Co.		2.570	2.600	2.649	1.2	December 1, 2017	S		
Knop Concrete	839501	S06 T20S R11W	Barton County		2.563	2.590	2.634	1.1	September 1, 2014	S		
Konza Const.	813601	S27 T11S R05E	Geary Co.		2.525	2.555	2.602	1.2	August 1, 2013	S		
Lakeside S&G	844705	S03 T02N R33W	Hitchcock Co. NE		2.507	2.547	2.612	1.6	March 1, 2014	S		
Martin Marietta	808701	S20 T02S R05E	Johnston Co., OK	-3/4"	2.631	2.647	2.673	0.6	May 1, 2018			
Martin Marietta	833901	S07 T13N R69W	Laramie Co., WY		2.768	2.777	2.793	0.3	June 1, 2017			
Martin Marietta (BFLS)	802451	S11 T46N R31W	Cass Co. MO		2.597	2.641	2.714	1.7	December 1, 2017		38.81813	94.32591
Martin Marietta (COCA)	800318	S03 T50N R32W	Clay Co MO	-1"	2.657	2.707	2.711	0.7	July 1, 2017			
Martin Marietta (UFRLY)	800319	S04 T13S R22E	Johnston Co.	-3/4"	2.520	2.587	2.699	2.6	January 1, 2018			
Mid-States Materials (CPCK)	826101	S08 T15S R22E	Johnson Co. KS	-1"	2.498	2.574	2.704	3.1	February 1, 2017			
Mid-States Materials (EVCK)	843503	S21 T15S R16E	Osage Co.	-3/4"	2.523	2.581	2.679	2.3	December 1, 2017		38.98323	95.48802
Mid-States Materials (EVCK)	843507	S26 T12S R17E	Douglas Co.		2.527	2.597	2.718	2.8	November 1, 2017			
Mid-States Materials (FRLY)	826101	S08 T15S R22E	Johnson Co. KS	-1"	2.541	2.602	2.707	2.4	October 1, 2017			
Mid-States Materials (OZWK)	843507	S26 T12S R17E	Douglas Co.		2.536	2.605	2.724	2.7	November 1, 2016			
Mid-States Materials (SPGH)	800317	S01 T17S R20E	Franklin Co.	3/4"	2.519	2.597	2.732	3.1	May 1, 2018			
Mid-States Materials (SPGH)	826101	S08 T15S R22E	Johnson Co. KS	-3/4"	2.474	2.563	2.714	3.6	February 1, 2017			
Midwest Minerals (BKJG)	801702	S30 T30S R24E	Crawford Co.		2.567	2.618	2.705	2.0	September 1, 2017		37.39924	94.81974
Midwest Minerals (BKJG)	801705	S06 T35S R21E	Labette Co.	CS-1/CA-5	2.538	2.597	2.696	2.3	May 1, 2018		37.03208	95.15115
Midwest Minerals (STNR)	801710	S18 T32S R14E	Montgomery Co.		2.638	2.670	2.725	1.2	November 1, 2017		37.25991	95.91144
Midwest Minerals (STNR)	801722	S27 T30S R15E	Wilson Co.	-1", 1/2" chips	2.605	2.643	2.706	1.5	July 1, 2017		37.41245	95.74935
Midwest Minerals (WRLD)	801719	S12 T32S R19E	Labette Co.	Chips	2.590	2.638	2.721	1.9	November 1, 2017		37.27997	95.28111
N.A.P. Co (AMZN)	802439	S28 T59N R35W	Andrew Co. MO	3/4"	2.584	2.642	2.745	2.3	April 1, 2018			
Nelson Quarries (HRFD)	800125	S34 T19S R14E	Coffey Co.	3/4"	2.523	2.597	2.725	2.9	May 1, 2018			
Nelson Quarries (LBRD)	800124	S17 T25S R24E	Bourbon Co.	-1/2", mansand	2.539	2.591	2.679	2.0	October 1, 2017		37.86800	94.78930
Nelson Quarries (RYTN)	800101	S33 T24S R19E	Allen Co.		2.491	2.564	2.681	2.9	November 1, 2017		37.91222	95.32786
Northridge Sand	819102	S16 T26S R01E	Sedgewick Co.		2.555	2.579	2.619	0.9	August 1, 2017	S		
Prowers Aggregate Operators, LLC	847901	S28 T22S R46W	Prowers Co. CO		2.569	2.596	2.641	1.1	July 1, 2017	S	38.10196	102.58315
Raymond Sand	818201	S28 T20S R10W	Rice Co.		2.567	2.590	2.626	0.9	January 1, 2016	S		
RBK Const. (Basalt)	848701	S07 T33S R50W	Baca Co. CO		2.678	2.734	2.837	2.0	February 1, 2017			
Seacat & Heft	815801	S04 T29S R17W	Kiowa Co.		2.529	2.570	2.637	1.6	September 1, 2014	S		
Stone Sand	810401	S33 T19S R12W	Barton Co.		2.566	2.591	2.631	1.0	May 1, 2018	S		
Trap Rock And Granite	845303	S12 T34N R03E	Iron Co. MO	-3/4"	2.680	2.684	2.691	0.2	November 1, 2017			
Venture Dundee Sand	810112	S16 T20S R14W	Barton Co.		2.562	2.597	2.633	0.9	September 1, 2014	S		
Whitaker	847201	S20 T32S R08E	Cowley Co.	-1/2"	2.478	2.556	2.689	3.2	July 1, 2017			
Whitaker	847201	S20 T32S R08E	Cowley Co.	-3/4"	2.531	2.588	2.685	2.3	November 1, 2017			
Whitaker	800205	S12 T34S R07E	Cowley Co.	1/2", 3/4"	2.540	2.595	2.688	2.2	October 1, 2017			
APAC Kansas	826003	S14 T12S R08W	Lincoln Co.	CS-1	2.604	2.630	2.674	1.0	May 1, 2018			

### Deleted Values

The following are values from sources that have been deleted from the active list and are for reference only.

Allied Inc	808323	S10 T15S R14W	Russell Co		2.573	2.601	2.647	1.1	October 1, 2008	S	38.76984	98.86696
Aisop	811101	S02 T08S R02E	Clay Co.		2.495	2.540	2.610	1.4	October 15, 2004	S		
Aisop	811102	S26 T05S R03W	Cloud Co.		2.553	2.575	2.609	0.9	October 15, 2004	S	39.73481	97.78781

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					(Gsb)	Saturated Surf Dry						
Alsop	811103	S05 T04S R04W	Republic Co.		2.538	2.560	2.600	1.1	June 1, 2007	S		
Alsop	811107	S27 T13S R01E	Dickinson Co.		2.547	2.590	2.675	1.9	April 1, 2007	S		
Alsop	811108	S31 T14S R02W	Saline Co.		2.557	2.611	2.703	2.1	August 1, 2006	S		
Alsop	811109	S4 T02N R02W	Hebron, NE		2.566	2.584	2.612	0.7	August 1, 2002	S		
Alsop	811112	S30 T13S R02W	Saline Co.		2.517	2.580	2.685	2.5	November 1, 2007			
Amman Sand (See Bladden)												
Anchor Stone	836401	S34 T21N R14E	Tulsa, OK		2.555	2.590	2.690	2.4			38.67299	94.69581
Anchor Stone (WRSW)	836402	S34 T28N R32W	Jasper Co. MO	3/4"	2.532	2.584	2.672	2.1	February 1, 2016		37.10327	94.40710
APAC (ARGN)	804007	S12 T16S R24E	Miami Co	-1, -1/2"	2.545	2.601	2.697	2.2	March 1, 2009		38.67201	94.69464
APAC (FRLY, Class I for UTB Overlay)	804007	S12 T16S R24E	Miami Co	-1/2	2.591	2.632	2.702	1.6	December 1, 2007		38.67299	94.69581
APAC (FRLY/AR)	804007	S12 T16S R24E	Miami Co	-1	2.473	2.551	2.682	3.1	July 1, 2008		38.66821	94.69798
APAC (FRLY/AR)	804007	S12 T16S R24E	Miami Co	-3/4	2.512	2.582	2.701	2.8	June 1, 2008	S		
APAC (FRLYARG)	804008	S07 T16S R25E	Miami Co	-5/16	2.402	2.515	2.709	4.7	January 1, 2015			
APAC (FRLYARG)	804008	S07 T16S R25E	Miami Co	-1/2, -3/4	2.471	2.552	2.688	3.3	January 1, 2015			
APAC Central (DEWY)	809101	S25 T27N R13E	Washington Co. OK	-3/4"	2.644	2.680	2.710	1.3	September 1, 2014		36.80405	95.86936
APAC Hays	808323	S10 T15S R14W	Russel Co.		2.525	2.573	2.653	1.9	May 1, 2002	S		
APAC Hays	811602	S29 T15S R18W	Ellis Co.		2.588	2.600	2.640	1.0	July 1, 2006	S		
APAC Hays	811603	S25 T15S R19W	Ellis Co. Kraus Pit		2.520	2.567	2.655	2.1	October 1, 2009	S		
APAC Hays	811604	S25 T15S R19W	Ellis Co. Bieker Pit		2.570	2.600	2.640	1.3	October 15, 2004	S		
APAC Hays	811613	S27 T10S R28W	Sheridan Co.		2.530	2.557	2.611	1.3	October 15, 2004	S		
APAC Hays	811614	S17 T7S R39W	Sherman Co.		2.540	2.574	2.629	1.3	October 15, 2004	S		
APAC Hays	811615	S34 T10S R32W	Thomas Co.		2.534	2.550	2.608	1.3	October 15, 2004	S		
APAC Hays	811620	S31 T14S R23W	Trego Co.		2.580	2.601	2.653	1.0	October 15, 2004	S		
APAC Hays	811628	S35 T10S R32W	Thomas Co.		2.540	2.575	2.624	1.2	October 15, 2004	S		
APAC Hays	811630	S36 T14S R24W	Trego Co.		2.580	2.601	2.653	1.0	October 15, 2004			
APAC Kansas	801904	S03 T 21S R13E	Lyon Co.		2.535	2.601	2.714	2.6	June 1, 2007		39.03173	94.80922
APAC Kansas (ARGN Ledge)	803701	S01 T12S R23E	Johnson Co.	-3/4"	2.563	2.617	2.710	2.1	November 1, 2010			
APAC Kansas (CPCK)	803705	S10 T14S R23E	Johnson Co.	-3/4", -5/15"	2.532	2.599	2.716	2.7	July 1, 2015		38.85231	94.84701
APAC Kansas (CPCK)	803903	S16 T14S R23E	Johnson Co.		2.575	2.627	2.717	2.0	October 1, 2014		38.83518	94.86701
APAC Kansas (FRLY Ledge)	803705	S10 T14S R23E	Johnson Co.	-1"	2.610	2.653	2.727	1.6	May 19, 2016			
APAC Kansas (HRFD)	804009	S 03 T21S R13E	Lyon Co.		2.515	2.581	2.694	2.6	May 1, 2011		39.03190	94.80896
APAC Kansas (LFRLY Ledge)	803701	S01 T12S R23E	Johnson Co.	-3/4"	2.556	2.617	2.722	2.4	November 1, 2010			
APAC Kansas (STNR Ledge)	803705	S10 T14S R23E	Johnson Co.	-3/4"	2.574	2.626	2.715	2.0	October 1, 2014		38.85297	94.84856
APAC Kansas (STNR)	803903	S16 T14S R23E	Johnson Co.		2.570	2.621	2.704	2.0	October 1, 2015		38.83191	94.86777
APAC Reno	836301	S27 T22S R24E	Linn Co.	1/2" Chip	2.407	2.487	2.616	3.3	December 1, 2003			
APAC Reno			Johnson Co. KS		2.548						38.82150	94.69010
APAC Reno (ARGN)	804002	S24 T14S R24E	Johnson Co. KS		2.606	2.644	2.709	1.4	June 1, 2007		38.67412	94.69887
APAC Reno (FRLY)	804007	S12 T16S R24E	Miami Co. KS	-1/2", 3/4"	2.491	2.566	2.694	3.0	August 1, 2005	S		
APAC Shears	801916	S14 T23S R05W	Reno Co.		2.560	2.570	2.610	0.9	December 1, 2004	S	38.69783	99.30538
APAC-Allied	841703	S34 T15S R18W	Ellis Co.		2.589	2.614	2.649	0.9	December 1, 2005			
APAC-Shears	800408	S11 T28S R12E	Fall River		2.600	2.646	2.719	1.6				
APAC-Shears	801925	S11 T28S R12E	Greenwood Co.		2.596	2.641	2.719	1.7	May 1, 2008			
APAC-Shears	801927	S03 T21S R13E	Hartford		2.535	2.595	2.701	2.4	February 1, 2001	S		
APAC-Shears	831401	S35 T27S R01W	Sedgewick Co.		2.546	2.571	2.612	1.0	September 1, 2003			
APAC-Shears	Various	S23 T12S R08W	Lincoln		2.598	2.626	2.673	1.1	August 1, 2002			
APAC-Shears		(Various)	Lincoln		2.615	2.642	2.681	0.9	April 1, 2000	S		
APAC-Shears (HRFD)	801935	S02 T21S R13E	Coffey Co.	-3/4"	2.566	2.621	2.713	2.1	May 1, 2015			

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Ark River Sand	838202	S06 T32S R03E	Cowley Co.		2.550	2.573	2.610	0.9	September 1, 2006			
Ark River Sand	838202	S06 T32S R03E	Cowley County		2.550	2.573	2.610	0.9	December 1, 2002			
Ash Grove Aggr.	805108	S30 T21S R20E	Anderson Co.		2.530	2.610	2.700	2.1				
Ash Grove Aggr.	805109	S30 T40N R31W	Butler, MO		2.553	2.614	2.719	2.4	July 1, 2003			
Ash Grove Aggr.		(Various)	Bourbon Co.		2.515							
Ash Grove Aggr.		(Various)	Linn Co.		2.527							
B&B Concrete	603402	S22 T07 R18W	Stockton									
Barber & Sons (BFLS)	842701	S07 T47N R30W	Jackson Co. MO	-1/2"	2.534	2.593	2.691	2.3	September 1, 2011		38.90338	94.27975
Bayer Const Co.	801830	S08 T13S R05E	Geary Co.		2.546	2.611	2.715	2.4	November 1, 2015			
Bayer Const. Co.	801824	S33 T10S R09E	Riley Co.		2.558	2.614	2.708	2.1	July 1, 2010			
Bayer Const. Co.	802322	S05 T13S R05E	Geary Co.		2.524	2.581	2.678	2.3	September 1, 2012			
Beatrice Sand	824703	S29 T01N R04E	Fairbury, NE		2.584						36.80490	95.87233
BELCO APAC DEWY Ledge)	809101	S25 T27N R13E	Nowata, OK		2.650	2.679	2.729	1.1	October 1, 2009			
Belco Materials	809101	S25 T27N R13E	Washington Co.OK		2.624	2.662	2.727	1.5	July 1, 2007			
Belco Materials	809103	S11 T25N R8W	Osage Co.OK	1/2" Chip	2.563	2.613	2.699	2.0	May 1, 2005			
Belco Materials	809103	S11 T25N R8W	Osage Co.OK	-3/4"	2.584	2.630	2.709	1.8	May 1, 2005	c	36.98155	94.80663
Bingham (Atlas Pile)	821811	S22 T29N R23E	Ottawa Co. OK		2.491	2.552	2.653	2.4	March 1, 2005	c	36.99195	94.85100
Bingham (Gordon Pile)	821815	S18 T29N R23E	Ottawa Co. OK		2.533	2.574	2.642	1.6	June 1, 2008	c		
Bingham (Ottawa Pile)	821806	S17 T29N R23E	Baxter Springs		2.535				November 1, 1999			
Bladden (Formerly Amman Sand)	823801	S11 T02N R16W	Franklin Co., NE		2.530							
Bladden (Formerly Amman Sand)	823802	S14 T02N R16W	Franklin Co., NE		2.590							
Bladen	824002	S09 T02N R10W	Red Cloud		2.590	2.600	2.620	0.9			40.13917	98.93976
Bladen	824201	S18 T02N R14W	Franklin Co. NE		2.573	2.593	2.624	0.8	June 1, 2006	s		
Bladen	824205	S16 T02N R10W	Webster Co. NE		2.580	2.595	2.619	0.6	October 1, 2008	s	40.14244	98.45629
Blevins Chat	143801	S25 T29N R22E	Ottawa Co OK	3/8 chip	2.510	2.555	2.642	1.8	December 1, 2012	c	36.96195	94.87701
Broce Construction	809904	S02 T27S R25W	Ford Co.		2.553	2.582	2.627	1.1	January 1, 2005			
Bromley (Haeglin Lease)			Atchison Co.		2.481							
Builder's Sand (Victory)	815304	S23 T11S R16E	Shawnee Co.		2.480	2.530	2.600	1.9				
C&M Agg (Curzon)	800406	S30 T17S R15E	Osage County		2.444	2.560	2.765	4.9				
C&M Agg (Hartford)	800406	S30 T17S R15E	Osage County		2.568	2.629	2.733	2.3				
Carder	823512	S22 T23S R43W	Hamilton CO		2.545	2.572	2.616	1.1	August 1, 2010	s		
Carder	823513	S19 T24S R39W	Hamilton CO		2.553	2.587	2.643	1.3	June 1, 2011	s	38.03351	102.03022
Carder		(Various)	Lamar CO		2.585	2.615	2.660	0.9				
Carder		(Various)	Carlton CO		2.585	2.615	2.660	0.9				
Carthage Crushed	848001	S29 T29N R31W	Jasper Co. MO		2.636	2.660	2.699	0.9	October 1, 2015		37.20735	94.32763
Central Paving	839001	S17 T26S R04E	Butler, Co.	CS-1	2.454	2.534	2.668	3.3	December 1, 2003			
Consolidated Sand & Gravel	824601	S27 T02N R02E	Fairbury, NE		2.556	2.578	2.614	0.9			36.98083	94.89053
Cornejo & Sons	838202	S06 T32S R03E	Cowley Co.		2.562	2.586	2.625	0.9	April 1, 2012	s		
Cornejo Mtls	820104	S34 T28S R01E	Sedgewick Co.	SSG	2.551	2.580	2.626	1.1	October 1, 2012	s		
Cummins Const.	CC158401	S23 T29N R22E	Ottawa Co. OK		2.516	2.563	2.640	1.9	June 1, 2006	s		
Dartmouth Sand	810401	S33 T19S R12W	Barton Co.		2.564	2.589	2.628	0.9	August 1, 2012	s		
Dartmouth Sand	810401	S33 T19S R12W	Barton Co.		2.560	2.580	2.615	0.8	May 1, 2006	s		
Dolese	809001	S36 T04N R12W	Comanche Co. OK		2.665	2.685	2.718	0.8	February 1, 2016		34.77073	98.40528
Dolese	809002	S08 T01S R01E	Davis Co, OK		2.664	2.683	2.716	0.7	February 1, 2016		34.48068	97.21703
Dolese	809402	S32 T06N R15W	Cooperton		2.720	2.730	2.750	0.5		s		
Evans And Assoc.	CC172602	S26 T29N R02 E	Kay Co. OK		2.520	2.560	2.623	1.5	December 1, 2004			
Flint Rock Products Pile # 2	822503	SW 1/4 S29 T29N R23E	Ottawa County, OK		2.538	2.573	2.631	1.4	April 1, 2013	c		

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Producer	CMS ID Producer	Legal Description	Location	Products	Bulk Dry (Gsb)	Saturated Surf Dry	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
Granite Mountain	838701	S26 T01N R12W	Sweet Home, AR		2.600	2.615	2.641	0.6	November 1, 2014			
Great Bend Asphalt	810301	S32 T19S R13W	Great Bend		2.550							
Hamm	800921	S07 T08S R21E	Easton-Leavenworth Co		2.423	2.540	2.680	3.3				
Hamm	800929	S09 T17S R15E	Lyndon-Osage City		2.530	2.600	2.718	2.7				
Hamm	800931	S34 T17S R16E	Osage Co.		2.461	2.553	2.713	3.8	May 1, 2004			
Hamm	800948	S21 T02S R20E	Doniphan Co.	CS-1	2.467	2.551	2.692	3.4	May 1, 2005			
Hamm	800963	S04 T15S R04E	Dickinson Co.		2.405	2.492	2.644	3.6	August 1, 2006			
Hamm	800968	S10 T07S R10E	Pottawatomie Co.		2.570	2.622	2.71	2.0	June 1, 2013			
Hamm	800968	S10 T07S R10E	Pottawatomie Co.		2.447	2.524	2.651	3.2	March 1, 2012			
Hamm	802457	S10 T14S R04E	Dickinson Co.		2.461	2.539	2.670	3.2	October 1, 2011			
Hamm	900938	S15 T10S R15E	Roll Mead-Shawnee Co		2.597	2.654	2.755	2.2				
Hamm	800949	S36 T11S R19E	Jefferson Co.	CS-1	2.517	2.602	2.752	3.4	July 1, 2006			
Hamm	800955	S13 T13S R03E	Chapman	CS-1, CS-1A, CS-2	2.388	2.494	2.670	4.4	August 1, 2002			
Hamm	800955	S13 T13S R03E	Dickinson Co.	CS-1, CS-1A, CS-2	2.388	2.494	2.670	4.4	August 1, 2002		38.80787	96.78781
Hamm	800964	S29 T14S R06E	Morris Co.		2.470	2.558	2.676	2.9	March 1, 2008			
Hamm	800964	S29 T14S R06E	Morris Co.	CS-1	2.496	2.556	2.656	2.4	July 1, 2003			
Hamm	800965	S03 T07S R10E	Pottawatomie Co.		2.435	2.521	2.670	3.6	July 1, 2003			
Hamm Ervine Creek	800915	S15 T11S R17E	Grantville-Jefferson Co		2.510				March 1, 2000			
Hamm Ozawkie Formation	800915	S15 T11S R17E	Grantville-Jefferson Co		2.565	2.623	2.752	2.9	August 1, 2001			
Hamm Rock Bluff Formation	800915	S15 T11S R17E	Grantville-Jefferson Co		2.620				March 1, 2000			
Hamm SNBD	800907	S15 T13S R21E	Eudora-Douglas Co		2.606	2.655	2.740	1.9	August 1, 2013			
Hamm (EVCK)	800930	S16 T15S R16E	Osage Co.	CS-1	2.540	2.602	2.710	2.5	November 1, 2012			
Hamm (LVNR)	800910	S01 T12S R19E	Douglas Co.	CS-1	2.640	2.674	2.735	1.3	February 1, 2013			
Hamm (NEVA)	800950	S03 T07S R10E	Pottawatomie Co.		2.437	2.515	2.644	3.2	July 1, 2015			
Hamm (NEVA)	800967	S10 T07S R10E	Pottawatomie Co.		2.408	2.499	2.65	3.8	February 1, 2011			
Hamm (RKBF)	800977	S09 T11S R17E	Jefferson Co.		2.617	2.666	2.754	1.9	May 1, 2016			
Hamm (STNR)	800907	S15 T13S R21E	Eudora-Douglas Co		2.588	2.639	2.728	2.0	June 1, 2014		38.91467	95.06402
Hamm (STNR)	800942	S23 T12S R21E	Leavenworth Co.		2.577	2.636	2.74	2.3	October 1, 2011			
Hamm (TRNT)	800910	S01 T12S R19E	Douglas Co.	CS-1	2.554	2.629	2.761	2.9	April 1, 2010			
Hamm HRFD	800970	S08 T03S R20E	Doniphan Co.		2.616	2.663	2.750	1.8	May 1, 2015			
Hamm Plattsmouth Ledge	800949	S36 T11S R19E	Jefferson Co		2.468	2.543	2.668	3.0	January 1, 2002			
Hamm Toronto/Leavenworth Ledges	800949	S36 T11S R19E	Lawrence-Jefferson Co		2.548	2.620	2.748	2.9				
Hanson Agg (Western Rock)	826501	S10 T01S R01W	Murray Co OK		2.655	2.684	2.733	1.1	February 1, 2011			
Harry Byers	805901	S19 T27S R18E	Neosho Co.		2.574	2.640	2.720	1.9				
Harshman	800111	S19 T26S R16E	Woodson Co.		2.508	2.588	2.728	3.2	February 1, 2002			
Harshman	801513	S35 T25S R13E	Paxson, Woodson Co.		2.540	2.605	2.705	2.3				
Harshman		S28 T23S R15E	Drake, Woodson, Co.		2.504	2.588	2.734	3.4				
Harshman		S21 T34S R11E	Floyd,Chatauqua, Co		2.511	2.570	2.667	2.3				
Harshman			Freund, Coffey Co.		2.503	2.583	2.721	3.2				
Harshman			Toronto,Greenwood Co.		2.540							
Harshman			Hilltop, Greenwood Co.		2.510							
Harshman (Ervine Cr. Ledge)	842101	N1/2 S04 T30S R11E	Elk Co.		2.498	2.563	2.687	3.0	March 1, 2003		37.77121	95.70426
Harshman (SNBD/STNR Ledge)	800111	S19 T26S R16E	Woodson Co.		2.532	2.600	2.717	2.7	January 1, 2011			
Harshman Const.	801504	S13 T31S R10E	Elk Co.		2.486	2.566	2.701	3.2	July 1, 2010			
Harshman Const.	801517	S04 T30S R11E	Elk Co.	1/2"	2.440	2.537	2.701	3.9	April 1, 2005		38.38015	95.79847
Harshman Const. (HRFD)	801510	S19 T19S R15E	Coffey Co.	-1" x 3/8	2.508	2.594	2.745	3.4	January 1, 2006	c	36.97992	94.83575
Heckert (St. Joe pile Primary)	842005	S20 T29N R23E	Ottawa Co. OK		2.526	2.577	2.663	2.0	May 1, 2008	c	36.98278	94.83655

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Heckert (St. Joe pile Vantage East)	842004	S20 T29N R23E	Ottawa Co. OK		2.498	2.564	2.672	2.6	May 1, 2008	S		
Heft Sand	838501	S35 T30S R14W	Barber Co.		2.539	2.576	2.636	1.5	April 1, 2007			
Holliday Sand	815402	S36 T11S R23E	Wyandotte Co.		2.520							
Holliday Sand	815404	S09 T50N R33W	Andrew Co. MO							C		
Huber	812702	S18 T24S R33W	Finney Co.		2.556	2.584	2.629	1.1	August 1, 2011	S		
Humble Sand & Gavel	822502	S24 T29N R23E	Ottawa County, OK	CME	2.531	2.575	2.648	1.8	August 1, 2008			
Humble Sand & Gavel	822502	S24 T29N R23E	Ottawa County, OK		2.488	2.543	2.627	2.1	April 1, 2001			
Hunt Midwest	800204	S21 T25S R24E	Fort Scott		2.540	2.590	2.670	1.9				
Hunt Midwest	800312	S18 T17S R23E	Miami Co.	CS-1, CS-1A	2.562	2.620	2.718	2.2	September 1, 2003			
Hunt Midwest			Osage County		2.537	2.600	2.710	2.5				
Hunt Midwest	800205	S12 T34S R07E	Cowley Co.		2.467	2.551	2.695	3.4	January 1, 2005			
Hunt Midwest (Neva)	800205	S12 T34S R07E	Cowley Co.		2.521	2.581	2.680	2.3	December 1, 2004			
Hunt-Martin (BFLS)	807301	S36 T50N R34W	Riverside, MO	-3/4"	2.577	2.626	2.712	2.0	November 1, 2015			
Hunt-Martin Materials	800201	S01 T20S R19E	Anderson Co.		2.529	2.593	2.703	2.5	March 1, 2002			
Hunt-Martin Materials	800306	S01 T13S R18E	Lawrence		2.552	2.632	2.773	3.1				
Hunt-Martin Materials	800311	S30 T16S R24E	Miami Co.		2.502	2.570	2.690	2.9				
Hunt-Martin Materials	800315	S24 T18S R19E	Franklin Co.		2.408	2.500	2.690	3.9				
Hunt-Martin Materials	800316	S14 T15S R18E	Douglas Co.		2.495	2.569	2.696	3.0	October 1, 2002			
Hunt-Martin Materials	802437	S22 T12S R17E	Shawnee Co.		2.561				October 1, 1999			
Hunt-Martin Materials (BFLS)	802435	S07 T45N R32W	Peculiar, MO	-1"	2.570	2.626	2.722	2.2	August 1, 2008			
Hunt-Martin Materials (CPCK)	800310	S13 T16S R19E	Franklin Co.	-3/4" +4	2.513	2.585	2.712	2.9	December 1, 2013		38.65633	95.25275
Hunt-Martin Materials (CPCK)	800310	S13 T16S R19E	Franklin Co.	-1"	2.497	2.582	2.731	3.4	July 1, 2010		38.65591	95.25500
Hunt-Martin Materials (CPCK)	800310	S13 T16S R19E	Franklin Co.	1/2"	2.513	2.585	2.712	2.9	June 1, 2010			
Hunt-Martin Materials (CPCK)	802447	S13 T16S R19E	Franklin Co.	3/4"	2.540	2.604	2.714	2.5	February 1, 2005			
Hunt-Martin Materials (CPCK)	802447	S13 T16S R19E	Franklin Co.	1/2"	2.502	2.580	2.713	3.1	February 1, 2005			
Hunt-Martin Materials (Ervine Creek)	802433	S23 T12S R17E	Douglas Co.		2.465	2.555	2.716	3.7	September 1, 2002			
Hunt-Martin Materials (Ervine Creek)	802437	S22 T12S R17E	Shawnee Co.		2.460	2.555	2.717	3.8	May 1, 2002			
Hunt-Martin Materials (IFRLY)	803501	S9 T13S R22E	Johnson Co. KS		2.534	2.594	2.696	2.4	September 1, 2012		38.93860	94.97308
Hunt-Martin Materials (Ozawkie Formation)	802433	S23 T12S R17E	Douglas Co.	3/4"x5/16"	2.533	2.618	2.768	3.4	December 1, 2004		38.65554	95.25336
Hunt-Martin Materials (SNBD)	800310	S13 T16S R19E	Franklin Co.	-3/4"	2.629	2.666	2.753	1.5	December 1, 2006		38.65591	95.25500
Hunt-Martin Materials (SPGH)	800310	S13 T16S R19E	Franklin Co.	-3/4"	2.515	2.586	2.707	2.8	September 1, 2010		38.81273	94.31907
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	-3/4", -1"	2.497	2.576	2.714	3.2	June 1, 2015		38.65706	95.25661
Hunt-Martin Materials (UFRLY)	803501	S9 T13S R22E	Johnson Co. KS		2.532	2.598	2.711	2.6	January 1, 2014		38.94312	94.97285
Hunt-Martin (PKA Martin Marietta) (BFLS)	802451	S11 T46N R31W	Greenwood, MO	-1", -3/4"	2.580	2.630	2.715	1.9	July 1, 2011			
Hunt-Midwest	803503	S10 T50N R32W	Randolph, MO	-3/4"	2.626	2.654	2.700	1.1	July 1, 2011			
Ideker, Inc	835401	S19 T59N R35W	Andrew Co. MO		2.490							
Inland Quarries	806503	S27 T11S R24E	Wyandotte Co.		2.579	2.630	2.710	1.9				
J&R Carlile Sand	815604	S26 T33S R32W	Liberal		2.529	2.560	2.630	1.7				
J&R Sand Co	814606	S01 T33S R33W	Seward Co		2.527	2.572	2.644	1.8	October 1, 2011	S		
Johnson County Aggregates ARGN	806701	S09 T14S R23E	Johnson Co. KS	-3/4"	2.573	2.628	2.719	2.1	July 1, 2008			
Johnson County Aggregates ARGN	806701	S09 T14S R23E	Johnson Co. KS	-1/2"	2.528	2.606	2.743	3.1	July 1, 2008		38.84477	94.86395
Johnson County Aggregates ARGN	806701	S09 T14S R23E	Johnson Co. KS	-3/4"	2.599	2.644	2.720	1.7	October 1, 2010		38.84507	94.86435
Johnson County Aggregates CPCK	806701	S09 T14S R23E	Johnson Co. KS	-1"	2.580	2.632	2.721	2.0	May 1, 2015			
Johnson County Aggregates FRLY	806701	S09 T14S R23E	Johnson Co. KS	-1", -3/4"	2.617	2.655	2.722	1.5	December 1, 2015		38.85007	94.86372
Johnson County Aggregates FRLY	806701	S09 T14S R23E	Johnson Co. KS		2.622	2.662	2.732	1.5	June 1, 2010		38.84438	94.86339
Johnson County Aggregates SPGH	806701	S09 T14S R23E	Johnson Co. KS	-1"	2.531	2.603	2.730	2.9	August 1, 2015		38.84645	94.86367
Johnson County Aggregates SPGH	806701	S09 T14S R23E	Johnson Co. KS	-3/4"	2.512	2.592	2.731	3.2	October 1, 2009		38.84492	94.86620

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Johnson County Aggregates STNR	806701	S09 T14S R23E	Johnson Co. KS		2.566	2.628	2.734	2.4	February 1, 2007	S		
Johnson County Aggregates STNR	806701	S09 T14S R23E	Johnson Co. KS		2.584	2.630	2.709	1.8	April 1, 2012		38.84657	94.86459
Johnson Sand	818901	S31 T14S R02W	Salina		2.564	2.606	2.676	1.6	May 1, 2006			
Joplin Stone	807101	S26 T28N R32W	Jasper Co. MO	3/4 Super, 1/2" Clean	2.495	2.564	2.679	2.8	November 1, 2014		37.11982	94.40110
Joplin Stone (WRSW)	807101	S26 T28N R32W	Jasper Co. MO	-3/8 Dirty	2.473	2.550	2.680	3.1	May 1, 2013		37.11982	94.40110
Kansas Sand			Shawnee Co.		2.470							
Kaw Sand	811703	S24 T12S R22E	Johnson Co.		2.530	2.570	2.620	1.3				
Kershaw Sand			Riley Co.		2.520					S		
Klaver	813401	S20 T26S R26W	Ford Co.		2.550	2.580	2.630	1.2	December 1, 2004	S		
Klaver	813403	S04 T28S R13W	Pratt Co.		2.552	2.582	2.632	1.2	July 1, 2007	S		
Klotz	812602	S16 T24S R34W	Finney Co.		2.560	2.590	2.640	1.2	April 1, 2013	S		
Klotz	812603	S16 T24S R33W	Finney Co.		2.560	2.590	2.640	1.2	October 15, 2004	S		
Klotz	812604	S35 T24S R39W	Hamilton Co.		2.518	2.565	2.644	1.9	December 1, 2006			
Lafarge Corp (BFLS)	600609	S13 T50N R32W	Jackson Co. MO	-3/4"	2.600	2.641	2.711	1.6	September 1, 2011		39.14949	94.40087
Larned Sand	817401	S04 T22S R16W	Pawnee Co.		2.543	2.561	2.600	1.0	January 1, 2000			
Martin Marietta	800310	S13 T16S R19W	Franklin Co.		2.518	2.588	2.704	2.7	April 1, 2000			
Martin Marietta	802244	S23 T28S R11E	Elk Co.	Mansand	2.518	2.589	2.711	2.8	July 1, 2012			
Martin Marietta	802323	S10 T13S R04E	Chapman	CS1-A	2.487	2.564	2.693	3.1	July 1, 2002		38.84522	96.96287
Martin Marietta	802402	S14 T14S R04E	Dickinson Co.		2.448	2.527	2.649	3.2	May 1, 2007			
Martin Marietta	802422	S34 T59N R35W	Andrew Co., MO		2.576	2.635	2.735	2.3				
Martin Marietta	802434	S36 T01N R12E	Pawnee Co., NE		2.499	2.570	2.690	2.9	December 1, 2004			
Martin Marietta	802442	S34 T10S R09E	Riley Co.		2.492	2.570	2.700	3.1	October 1, 1999			
Martin Marietta	802446	S10 T14S R4E	Dickinson Co.		2.469	2.540	2.656	2.9	April 1, 2008			
Martin Marietta	802453	S10 T10N R11E	Cass Co. NE	-3/8 ManSand, 1/4" chips	2.623	2.660	2.724	1.4	July 1, 2006			
Martin Marietta	802454	S10 T13S R04E	Dickinson Co.	CS-1	2.543	2.597	2.689	2.1	December 1, 2004			
Martin Marietta	802458	S35 T01N R12E	Pawnee Co. NE		2.473	2.556	2.698	3.4	June 1, 2015			
Martin Marietta	806001	S16 T18S R16E	Melvorn		2.522	2.584	2.694	2.6	October 1, 1999			
Martin Marietta	808502	S29 T32S R08E	Winfield		2.508	2.567	2.661	2.2	April 1, 2000			
Martin Marietta	802401(2)	S11 (S14) T14S R04E	Woodbine	CS-1, CS-1A	2.474	2.560	2.660	2.8	November 1, 1999			
Martin Marietta (AKA:Walker)	802318	S03 T13S R04E	Chapman		2.514	2.580	2.700	2.8				
Martin Marietta (AKA:Walker)		S13 T26S R09E	Greenwood Quarry		2.584	2.628	2.703	1.7				
Martin Marietta (BFLS)	807301	S36 T50N R34W	Riverside, MO	-3/4	2.588	2.632	2.706	1.7	January 1, 2005			
Martin Marietta (BFLS)	807301	S36 T50N R34W	Riverside, MO	-5/16	2.555	2.615	2.717	2.4	January 1, 2005			
Martin Marietta (BFLS)	808103	S03 T46N R31E	Greenwood MO	-3/4, -3/8	2.604	2.646	2.718	1.7	January 1, 2005		37.59893	96.17162
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	-1"	2.502	2.568	2.677	2.6	January 1, 2016			
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	1/4"chips	2.426	2.536	2.724	4.5	February 1, 2007		37.59893	96.17162
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	CS-1(-1"), CS-2, 1/2"chips	2.514	2.581	2.730	2.7	February 1, 2007		37.59893	96.17162
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	mansand	2.475	2.559	2.701	3.4	February 1, 2007			
Martin Marietta (unkwn)	802244	S23 T28S R11E	Elk Co.	1/4" Chips	2.449	2.533	2.674	3.4	May 1, 2016			
Martin Marietta (unkwn)	802244	S23 T28S R11E	Elk Co.	3/4"	2.513	2.580	2.692	2.5	May 1, 2016			
Meier's Sand	806801	S29 T11S R15E	Shawnee Co.		2.510	2.550	2.610	1.6				
Meridian Agg.	808701	S20 T02S R05E	Mill Creek, OK		2.636	2.646	2.663	0.4	April 1, 2001			
Meridian Agg.	833902	S13 T02N R18W	Kiowa Co, OK		2.600	2.604	2.611	0.2	April 1, 2001			
Mid-States Materials	800302	S01 T23S R19E	Anderson Co.	-3/4"	2.577	2.627	2.712	1.9	August 1, 2014			
Mid-States Materials	843501	S21 T15 R16E	Osage Co.		2.529	2.585	2.680	2.2	December 1, 2004			
Mid-States Materials (EVCK)	802433	S23 T12S R17E	Douglas Co.		2.488	2.568	2.705	3.3	January 1, 2008			
Mid-States Materials (EVCK)	843505	S26 T12S R17E	Douglas Co.		2.510	2.582	2.704	2.9	May 1, 2014			

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Producer	CMS ID Producer	Legal Description	Location	Products	Bulk Dry (Gsb)	Saturated Surf Dry	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
Mid-States Materials (FRLY)	826101	S08 T15S R22E	Johnson Co. KS	-3/4"	2.562	2.623	2.727	2.2	June 1, 2015			
Mid-States Materials (OWZK)	802433	S23 T12S R17E	Douglas Co.	CS-1	2.523	2.609	2.761	3.4	September 1, 2010			
Mid-States Materials (OZWK)	843505	S26 T12S R17E	Douglas Co.		2.562	2.627	2.739	2.5	October 1, 2015			
Mid-States Materials (RKBF)	843503	S21 T15 R16E	Osage Co.		2.636	2.667	2.725	1.2	August 1, 2015			
Mid-States Materials (RKBF)	843503	S21 T15S R16E	Osage Co.	CS-1	2.646	2.674	2.722	1.1	January 1, 2013			
Mid-States Materials (RKBF)	843505	S26 T12S R17E	Douglas Co.		2.586	2.634	2.736	1.8	November 1, 2015			
Mid-States Materials (SPGH)	803507	S12 T23S R17E	Anderson Co.	-3/4"	2.515	2.586	2.707	2.8	June 1, 2015		38.05424	95.48704
Mid-States Materials (WKRS and BLGM)	800403	S33 T27S R10E	Greenwood Co.		2.449	2.543	2.705	3.9	November 1, 2015			
Midwest Concrete	817102	S16 T10S R10E	Wamego (Wabunsee Co)		2.523							
Midwest Concrete	818601	S31 T10S R08E	Riley Co.		2.570	2.598	2.645	1.1	July 1, 2010	S		
Midwest Concrete			Riley Co.		2.548	2.575	2.624	1.2				
Midwest Minerals	801703	S31 T27S R24E	Crawford Co.		2.507	2.577	2.695	2.6	June 1, 2002			
Midwest Minerals	801705	S06 T35S R21E	Labette Co.	Mansand	2.502	2.578	2.708	3.0	March 1, 2008			
Midwest Minerals	801712	S27 T30S R15E	Neodesha		2.579	2.630	2.710	1.8				
Midwest Minerals	801713	S13 T27S R16E	Wilson Co.		2.528	2.588	2.690	2.4	May 1, 2003			
Midwest Minerals	801714	S18 T29S R16E	Altoona		2.515	2.580	2.720	3.3				
Midwest Minerals	801715	S02 T28S R15E	Benedict		2.530	2.600	2.710	2.6				
Midwest Minerals	801716	S09 T30N R30W	Barton Co, MO		2.630	2.655	2.699	1.0	December 1, 2002			
Midwest Minerals	801717	S36 T29S R14E	Fredonia		2.540	2.600	2.710	2.4				
Midwest Minerals	801721	S1(12) T28N R23E	Ottawa Co., OK		2.476	2.540	2.660	3.3				
Midwest Minerals			South Mound		2.562							
Midwest Minerals			Jasper, MO		2.488						37.26709	95.76585
Midwest Minerals (CPCK)	801709	S16 T32S R15E	Montgomery Co.		2.558	2.615	2.712	2.2	May 1, 2010		37.53576	95.32940
Midwest Minerals (WNRS)	801708	S22 T31S R17E	Montgomery Co.	3/4", Chips, Scrngs	2.530	2.598	2.716	2.7	March 1, 2015		37.33814	95.53600
Midwest Minerals (WNRS)	801711	S09 T29S R19E	Neosho Co.	CS-1, CS-1A	2.456	2.543	2.690	3.6	November 1, 2010		37.53576	95.32940
Midwest Minerals (WNRS)	801711	S09 T29S R19E	Neosho Co.	Mansand (CS-2)	2.487	2.575	2.726	3.5	November 1, 2010		37.53553	95.32708
Midwest Minerals (WNRS)	801711	S09 T29S R19E	Neosho Co.	CS-1 (3/4)	2.517	2.588	2.708	2.8	September 1, 2006		37.53553	95.32708
Midwest Minerals (WNRS)	801711	S09 T29S R19E	Neosho Co.	CS-1A 1/2 chips)	2.454	2.544	2.686	3.5	September 1, 2006		37.04469	95.52620
Midwest Minerals (AMRT)	801707	S34 T34S R17E	Montgomery Co.	CS-1, CS-1A	2.528	2.595	2.710	2.6	August 1, 2010		37.27630	95.27959
Midwest Minerals (BKJG)	801724	S25 T31S R21E	Cherokee Co.		2.553	2.610	2.710	2.3	January 1, 2016		37.31781	95.05955
Midwest Minerals (CPCK)	801709	S09 T32S R15E	Montgomery Co.	CS-1, CS-1a	2.578	2.634	2.732	2.2	November 1, 2014		37.26981	95.76734
Midwest Minerals (WRLD)	801707	S34 T34S R17E	Montgomery Co.		2.437	2.534	2.698	4.0	July 1, 2014		37.04494	95.52790
Midwest Minerals (WRLD)	801719	S12 T32S R19E	Labette Co.	CS-1, CS-1A	2.584	2.632	2.715	1.9	December 1, 2007			
Midwest Materials	806302	S07 T03S R05E	Washington Co.		2.557	2.581	2.621	1.0	August 1, 2009	S		
Mueller Sand (Midwest)	806302	S07 T03S R05E	Washington Co.		2.543	2.580	2.630	1.1				
Mulberry Limestone			Crawford Co.		2.551	2.610	2.710	2.4				
N.A.P. Co (AMZN)	802439	S28 T59N R35W	Andrew Co. MO	CS-1	2.615	2.664	2.748	1.9	July 1, 2007			
N.A.P. Co (KRFD)	802439	S28 T59N R35W	Andrew Co. MO		2.596	2.641	2.718	1.7	July 1, 2014			
Nelson Quarries	800107	S25 T30S R15E	Wilson Co.		2.585	2.640	2.720	2.1	May 1, 2000			
Nelson Quarries	800115	S20 T30S R24E	Crawford Co.		2.549	2.610	2.700	2.4				
Nelson Quarries	800116	S24 T21S R15E	Coffey Co.		2.430							
Nelson Quarries	800117	S15 T31S R17E	Montgomery Co.	CS-1, CS-1A	2.505	2.582	2.714	3.0	September 1, 2003			
Nelson Quarries	800118	S25 T24S R20E	Allen Co.		2.499	2.575	2.705	3.1	May 1, 2000			
Nelson Quarries	800119	S20 T23S R19E	Allen Co.		2.562	2.614	2.705	3.0	May 1, 2000			
Nelson Quarries	800120	S17T25SR24E	Bourbon Co.		2.545	2.570	2.662	2.2	July 1, 2001			
Nelson Quarries	800125	S34 T19S R14E	Coffey Co.		2.529	2.606	2.741	3.1	December 1, 2006			
Nelson Quarries	808901	S05 T28N R24E	Ottawa Co., OK		2.623	2.640	2.700	1.4				



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Producer	CMS ID	Legal Description	Location	Products	Bulk Dry	Saturated	Percent	Date Modified	Chat or	Latitude	Longitude
	Producer				(Gsb)	Surf Dry					
Nelson Quarries			Woodson Co.		2.555	2.615	2.723	2.5		37.73467	95.06667
Nelson Quarries (BFLS)	800126	S17 T25S R24E	Bourbon Co.		2.576	2.623	2.702	1.8	September 1, 2009	38.18572	95.25097
Nelson Quarries (SPGH)	805108	S30 T21S R20E	Anderson Co.	3/4	2.531	2.594	2.703	2.5	June 1, 2011	37.64887	95.71446
Nelson Quarries (STNR)	800110	S36 T27S R15E	Wilson Co.		2.541	2.613	2.716	2.5	September 1, 2009		
Nelson Quarries (TRNT)	801924	S26 T25S R13E	Woodson Co.	-3/4" CS-1	2.590	2.646	2.742	2.1	January 1, 2016		
Nelson Quarries (TRNT)	801924	S26 T25S R13E	Woodson Co.	-1/2" CS-1A	2.550	2.617	2.732	2.6	October 1, 2015		
Nelson Quarries (TRNTY)	801508	S11 T24S R15E	Woodson Co.	CS-1, CS-1A	2.588	2.644	2.741	2.2	October 1, 2004		
Nickerson Sand			Reno Co.		2.550						
Olathe Aggregates	831101	S16 T14S R23E	Johnson Co. KS		2.559	2.620	2.710	2.1			
Overton Sand & Gravel			Overton, NE		2.560	2.590	2.610	0.7			
Paulsen	824501	S20 T09N R21W	Lexington NE		2.585		2.612	0.6		S	
Paulsen Sand & Gr.	824301	S19 T03N R30W	Red Willow Co., NE		2.502	2.542	2.609	1.6	March 1, 2001	S	
Paulsen Sand & Gr.	824503	S13 T03N R28W	Red Willow Co., NE		2.510	2.544	2.610	1.6	January 1, 2010	S	40.22425 100.42759
Penny's Conc. (CPCCK)	800309	S23 T16S R20E	Franklin Co.		2.542	2.601	2.700	2.3	October 1, 2013		38.64124 95.15901
Penny's Conc. (SPGH)	800309	S23 T16S R20E	Franklin Co.		2.521	2.589	2.705	2.7	February 1, 2016		38.64257 95.15931
Penny's Conc. (STNR)	800309	S23 T16S R20E	Franklin Co.		2.549	2.596	2.675	1.9	February 1, 2012		38.64302 95.15793
Penny's Conc., Inc.	826802	S26 T12S R20E	Douglas Co.		2.540	2.580	2.630	1.3	May 1, 2000		
Pioneer	823601	S9/13BLKCKB-3	Borger TX		2.590						
Pioneer (Western S and G)	826601	S69-BLK G&M	Boys Ranch, TX		2.596					S	
Popejoy Const., Inc.	812809	S03 T25S R36W	Kearny Co.		2.572	2.591	2.635	1.0	December 1, 2004		
Popejoy Const., Inc.	812809	S03 T25S R36W	Kearny Co.		2.551	2.580	2.640	1.4			
Poudre-Tech	832901	S28 T06N R67W	Windsor, Co		2.595	2.615	2.650	0.9		S	
Quik Sand	820101	S30 T26S R01E	Sedgewick Co.		2.540	2.565	2.605	1.0	September 1, 2002	S	
Quik Sand	820103	S23 T26S R01W	Sedgewick Co.		2.556	2.579	2.616	0.9	August 1, 2006	S	
Quik Sand	820104	S34 T28S R01E	Sedgewick Co.		2.532	2.568	2.628	1.4	August 1, 2006		
Randall Sand			Ford, KS		2.545					S	
Ritchie Sand	819301	S35 T26S R01W	Sedgewick Co.		2.561				December 1, 2002		
Sedan Limestone	801601	S33 T33S R11E	Chautauqua Co.		2.525	2.580	2.700	2.8			
Shawnee Rock (Argentine Ledge)	803705	S10 T14S R23E	Johnson Co.	-3/4"	2.597	2.645	2.728	1.8	April 1, 2005		
Shawnee Rock (Argentine Ledge)	803706	S12 T12S R23E	Johnson Co.		2.519	2.590	2.711	2.8	May 1, 2005		
Shawnee Rock (Argentine Ledge)			Olathe Kansas		2.586	2.640	2.730	2.1			39.03472 94.81045
Shawnee Rock (ARGN Ledge)	803701	S01 T12S R23E	Johnson Co.		2.557	2.612	2.703	2.1	July 1, 2006		38.85213 94.84732
Shawnee Rock (ARGN Ledge)	803705	S10 T14S R23E	Johnson Co.	-3/4"	2.585	2.636	2.725	2.0	September 1, 2008		
Shawnee Rock (Captains Creek Ledge)	803705	S10 T14S R23E	Johnson Co.		2.538	2.607	2.728	2.7	June 1, 2003		38.85159 94.84868
Shawnee Rock (CPCCK Ledge)	803705	S10 T14S R23E	Johnson Co.		2.561	2.621	2.724	2.4	October 1, 2009		39.02871 94.80701
Shawnee Rock (DRUM Ledge)	803701	S01 T12S R23E	Johnson Co.		2.561	2.621	2.726	2.4	August 1, 2009		38.85158 94.84464
Shawnee Rock (Farley Ledge)	803705	S10 T14S R23E	Johnson Co.		2.624	2.661	2.724	1.4	September 1, 2007		
Shawnee Rock (Farley Ledge)			Olathe Kansas		2.618	2.640	2.710	1.8			39.02928 94.80807
Shawnee Rock (LFRLY Ledge)	803701	S01 T12S R23E	Johnson Co.		2.503	2.585	2.726	3.3	September 1, 2008		
Shawnee Rock (RYTN Ledge)	803701	S01 T12S R23E	Johnson Co.		2.592	2.650	2.754	2.3	October 1, 2006		
Shawnee Rock (RYTN Ledge)	803703	S06 T12S R24E	Johnson Co.	-3/4"	2.586	2.651	2.764	2.5	May 1, 2004		38.85145 94.84608
Shawnee Rock (Springhill Ledge)	803705	S10 T14S R23E	Johnson Co.	-3/4"	2.518	2.598	2.738	3.2	May 1, 2007		38.85153 94.84715
Shawnee Rock (STNR Ledge)	803705	S10 T14S R23E	Johnson Co.		2.566	2.621	2.716	2.1	July 1, 2006		
Shawnee Rock (Stoner Ledge)	803705	S10 T14S R23E	Johnson Co.		2.530	2.595	2.707	2.6	January 1, 2002	S	
Smith Sand	810503	S14 T24S R33W	Finney Co.		2.560	2.580	2.630	1.1	January 1, 2000	S	
Smith Sand	810506	S14 T24S R37W	Kearny Co.		2.542	2.572	2.621	1.2	April 1, 2002	S	
Smith Sand	810516	S30 T23S R42W	Hamilton County		2.552	2.590	2.662	1.7	April 1, 2003		

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Producer	CMS ID Producer	Legal Description	Location	Products	Bulk Dry (Gsb)	Saturated Surf Dry	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
Southeast Sand	817801	S20 T23S R05W	Reno Co.		2.540	2.570	2.610	1.1				
Southway	835201	S07 T26N R36E	Clayton NM	1/2"	2.773			1.7	May 1, 2003			
Southway	835201	S07 T26N R36E	Clayton NM	1"	2.680	2.724	2.820	2.0	March 1, 2003		93.22149	37.22456
Springfield Underground (BLTN)	807001	S10 T29N R21W	Greene Co. MO	5/16" chips	2.631	2.656	2.698	0.9	June 1, 2011	S		
Sterling Sand	818301	S04 T22S R08W	Rice Co.		2.550	2.593	2.633	0.9	January 1, 2000	S		
Stone Sand	810201	S32 T19S R13W	Barton Co.		2.552	2.580	2.624	1.1	January 1, 2000			
Sunflower Sand	818101	S23 T21S R09W	Rice Co.		2.535	2.560	2.600	0.9				
T&F Sand/Gravel	824902	S08 T08N R18W	Buffalo Co. NE		2.588	2.603	2.630	0.7	October 1, 2009	S		
Trager LS BFLS	847701	S06 T57N R26W	Caldwell Co. MO		2.541	2.593	2.669	2.0	July 1, 2014			
TXI	840402	S26 T02S R04E	Johnston Co., OK		2.772	2.797	2.842	0.9	February 1, 2014		34.35341	96.85979
Venture	810120	S15 T29S R15W	Pratt Co.		2.570	2.595	2.634	1.0	April 1, 2012	S		
Versatile Construction	848201	S17 T35N R26W	Union Co. NM		2.702	2.761	2.869	2.1	April 1, 2016			
VJ Stone	844601	S25 T06N R14W	Kiowa Co.		2.678	2.695	2.726	0.7	March 1, 2008			
Wade Limestone	805004	S28 T18S R25E	Miami Co.		2.527	2.587	2.689	2.4	September 1, 2005			
Wade Limestone	805007	S32 T19S R23E	Linn Co.		2.493	2.574	2.714	3.3	December 1, 2002			
Wade Limestone		S01 T13S R18E	Douglas Co.		2.463	2.552	2.705	3.6			38.37882	94.67535
Wade Limestone (BFLS)	805009	S20 T19S R25E	Linn Co.		2.486	2.568	2.709	3.3	April 1, 2005		38.37957	94.67730
Wade Limestone (WNRS)	805002	S20 T19S R25E	Linn Co.	CS-1A, CS-2, Mansand	2.495	2.575	2.709	3.2	December 1, 2014		38.37638	94.67629
Wade Limestone (WNRS)	805007	S32 T19S R23E	Linn Co.	CS-1, CS-1A	2.563	2.610	2.703	2.1	May 1, 2016		38.35178	94.89546
Wade Limestone (WNRS)	805007	S32 T19S R23E	Linn Co.	Screenings	2.485	2.571	2.721	3.5	May 1, 2016		38.35178	94.89546
Wade Quarries (SPGH)	805011	S16 T20S R20E	Anderson Co.	-3/4"	2.436	2.519	2.658	3.4	July 1, 2013		38.31148	95.20013
Wamego Sand		S33 T10S R07E	Riley Co.		2.535	2.570	2.630	1.5				
Wes-Kan Construction	808303	S30 T15S R18W	Ellis Co.		2.580	2.605	2.640	0.8				
Western Resources			St. Mary's Bottom Ash		2.559	2.627	2.734	2.4				
Whitaker	800205	S12 T34S R07E	Cowley Co.	Screenings/buckshot	2.456	2.548	2.704	3.7	June 1, 2006			
Whitaker	800205	S12 T34S R07E	Cowley Co.	1/2" chips	2.480	2.559	2.695	3.2	February 1, 2007		37.25346	96.53782
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-1, CS-1A	2.490	2.561	2.681	2.9	October 1, 2015			
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-2	2.491	2.562	2.681	2.8	March 1, 2007			
Whitaker (CPK/SP)	800201	S01 T20S R19E	Anderson Co.	-3/4 (W4)	2.477	2.564	2.712	3.5	March 1, 2013		38.34611	95.25411
Whitaker (CPK/SP)	800201	S01 T20S R19E	Anderson Co.	1/2" chips (W3)	2.509	2.586	2.717	3.0	September 1, 2012		38.34611	95.25411
Whitaker (CPK/SP)	800201	S01 T20S R19E	Anderson Co.	mansand	2.450	2.549	2.719	4.0	September 1, 2012		38.34611	95.25411
Whitaker (Mound City) BFLS Ledge	800208	S19 T22S R24E	Linn Co.	3/4", Mansand	2.509	2.568	2.666	2.4	October 1, 2013		38.11569	94.81990
Whitaker (Mound City) BFLS Ledge	800208	S19 T22S R24E	Linn Co.	Screenings	2.428	2.509	2.643	3.4	October 1, 2013		38.11569	94.81990
Whitaker (Savonburg) BFLS Ledge	800208	S19 T22S R24E	Linn Co.	1/2" Chips	2.448	2.517	2.629	2.8	November 1, 2013		38.11569	94.81991
Whitaker (SNBD/ST)	800304	S32 T21S R19E	Anderson Co.	-3/4"	2.550	2.606	2.700	2.2	February 1, 2015		38.17306	95.22595
Whitaker NEVA	800205	S12 T34S R07E	Cowley Co.		2.550	2.603	2.692	2.1	July 1, 2013		37.10905	96.61957
White			Kanopolis		2.560	2.603	2.675	1.7				
Whitfield Sand	813401	S20 T26S R26W	Dodge City (Howell)		2.550	2.580	2.630	1.2		S		
Whitfield Sand	813411	S20 T21S R07W	Rice Co.		2.557	2.583	2.624	1.0	February 1, 2002			
Whitfield Sand			Pratt Pit		2.550							
Whitfield Sand			Sawyer Pit		2.510							
Whitfield Sand (Shears/Ventures)		S20 T21S R15W	Pawnee County		2.554	2.576	2.613	0.9				
Whitney Sand & Gr.	824402	S32 T03N R32W	Hitchcock Co., NE		2.520	2.560	2.610	1.2				
Ysidro Sand	847401	S25T29SR01E	Sedgwick County		2.540	2.569	2.615	1.1	March 1, 2013	S		

## May 2018 LETTING PROCEDURE II SPECIFIC GRAVITIES

Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Percent	Date Modified	Chat or	Latitude	Longitude	
	Producer	Legal Description			(Gsb)	Surf Dry						Apparent
Allied Inc	811604	S25 T15S R19W	Ellis Co		2.621	2.629	2.650	0.4	November 1, 2015	s		
Alsop	811105	S27 T05S R03W	Cloud Co.		2.610	2.619	2.634	0.4	December 1, 2017	s		
Alsop	811107	S27 T13S R01E	Dickinson Co.		2.612	2.629	2.656	0.6	July 1, 2017	s		
Alsop	811114	S05 T04S R04W	Republic Co.		2.597	2.610	2.629	0.5	August 1, 2017	s	39.73909	97.78814
APAC (FRLY)	804008	S07 T16S R25E	Miami Co	Mansand	2.552	2.654	2.718	2.4	September 1, 2016			
APAC (FRLYARG)	804008	S07 T16S R25E	Miami Co	Dust, Mansand	2.449	2.541	2.698	3.8	August 1, 2016			
APAC Kansas	826003	S14 T12S R08W	Lincoln Co.		2.610	2.638	2.684	1.1	April 1, 2018			
APAC-Shears	801934	S21 T23S R05W	Reno Co.		2.597	2.609	2.621	0.4	July 1, 2017	s		
APAC-Shears	831401	S35 T27S R01W	Sedgwick County		2.604	2.618	2.639	0.5	November 1, 2014	s		
APAC-Shears (HRFD)	801935	S02 T21S R13E	Coffey Co.		2.576	2.631	2.726	2.1	July 1, 2017			
Associated	819904	S12 T30S R01E	Sumner County		2.594	2.612	2.642	0.7	September 1, 2013	s		
Associated	819905	S14 T26S R01W	Sedgwick County		2.600	2.616	2.642	0.6	November 1, 2017	s		
Bayer Const Co.	802325	S05 T13S R05E	Geary Co.		2.507	2.579	2.700	2.9	January 1, 2017			
Bayer Const. Co. (TRKO)	802449	S03 T11S R09E	Riley Co.		2.485	2.564	2.699	3.3	January 1, 2018			
Beyer Crushed Rock Co (BFLS)	806901	S26 T45N R33W	Cass Co. MO		2.571	2.619	2.701	1.9	May 1, 2018			
Bingham (Blue Gooses Pile)	821803	S30 T29N R23E	Ottawa Co. OK		2.543	2.585	2.656	1.7	October 1, 2017	c	36.96551	94.86425
Bingham (Lawyer Pile)	821816	S28 T29N R23E	Ottawa Co. OK		2.546	2.587	2.652	1.6	October 1, 2017	c	36.96795	94.82484
Bingham (Sooner Pile)	821812	S16 T29N R23E	Ottawa Co. OK		2.521	2.576	2.668	2.2	October 1, 2017	c	36.99744	94.82679
Bladen Sand	823802	S014 T02N R16W	Franklin Co. NE		2.607	2.625	2.632	0.7	February 1, 2015	s		
Blue River Sand	805404	S25 T04S R06E	Marshall Co.		2.590	2.625	2.650	1.6	October 1, 2017	s		
Builders Choice	820603	S23 T11S R16E	Shawnee Co.	SSG	2.608	2.621	2.648	0.6	July 1, 2014	s		
Builders Choice	845601	S20 T11S R15E	Shawnee Co.	SSG	2.596	2.611	2.637	0.6	July 1, 2017	s		
Carder	823503	S30 T22S R44W	Prowers Co. CO	SSG, CG	2.602	2.622	2.656	0.8	July 1, 2013	s		
Central Sand	848601	S22 T26S R01W	Sedgwick County	SSG	2.610	2.621	2.635	0.4	November 1, 2017	s		
Concrete Enterprise	813403	S04 T28S R13W	Pratt Co.		2.603	2.617	2.639	0.5	November 1, 2017	s		
Cornejo & Sons	819304	S02 T27S R01W	Sedgwick Co.		2.621	2.627	2.636	0.2	April 1, 2016	s		
Cornejo & Sons	838202	S06 T32S R03E	Cowley Co.		2.596	2.610	2.633	0.6	December 1, 2017	s		
Cornejo Mtls	820103	S23 T26S R01W	Sedgwick Co.	SSG	2.603	2.614	2.630	0.4	May 1, 2018	s		
Cornejo Mtls	820104	S34 T28S R01W	Sedgwick Co.	SSG	2.614	2.623	2.638	0.4	August 1, 2014	s		
Cornejo Stone	801504	S13 T31S R10E	Elk Co.	Mansand	2.495	2.575	2.712	3.0	February 1, 2018		37.35270	96.28578
Cornejo Stone	820105	S14 T31S R10E	Elk Co.	Screenings, mansand	2.495	2.583	2.736	3.5	February 1, 2017			
Deweese Snd/Grvl	825001	S17 T01N R07W	Nuckolls Co, NE		2.595	2.613	2.642	0.7	October 1, 2017	s		
Dodge City Sand	813102	S32 T26S R25W	Ford Co.		2.601	2.610	2.640	0.7	May 1, 2018	s		
Eakins Sand	817302	S08 T22S R16W	Pawnee Co.		2.595	2.610	2.632	0.5	May 1, 2018	s	38.15791	99.11149
Flint Rock Products Pile # 2	822503	SW 1/4 S29 T29N R23E	Ottawa County, OK		2.546	2.591	2.667	1.8	October 1, 2017	c	36.96011	94.84968
Granite Mountain	838701	S26 T01N R12W	Pulaski Co., AR		2.604	2.615	2.633	0.4	April 17, 2017			
Gravel and Concrete	832701	S15 T22S R07W	Reno Co.		2.588	2.608	2.639	0.7	April 1, 2014	s		
Hamm	800976	S15 T14S R04E	Dickinson Co.		2.444	2.536	2.695	3.8	April 1, 2018			
Hamm (EVCK)	800977	S09 T11S R17E	Jefferson Co.		2.503	2.575	2.699	2.9	May 1, 2018			
Hamm (NEVA)	800980	S11 T07S R10E	Pottawatomie Co.		2.408	2.499	2.650	3.8	February 5, 2018			
Hamm (OZWK)	800977	S09 T11S R17E	Jefferson Co.		2.623	2.640	2.764	2.3	May 1, 2018			
Hamm (STNR)	800907	S15 T13S R21E	Douglas Co.		2.568	2.625	2.724	2.2	April 17, 2017			
Hard Rock Sand	809904	S02 T27S R25W	Ford Co.	SSG	2.605	2.622	2.651	0.7	December 1, 2013	s	37.72627	100.02266
Hard Rock Sand	844501	S31 T26S R25W	Ford Co.		2.617	2.661	2.655	0.8	April 1, 2016	s		
Harshman Const.	801517	S04 T30S R11E	Elk Co.	Screenings	2.529	2.603	2.731	3.0	December 1, 2016		37.47226	96.21392
Hartford S&G	824802	S30T10SR08E	Riley Co.	SSG	2.594	2.606	2.624	0.4	December 1, 2017	s		
Hi-Plains Sand	CC130704	S19 T16S R06W	Ellsworth Co.		2.628	2.642	2.655	1.1	December 1, 2016	s	38.64956	98.03405

## May 2018 LETTING PROCEDURE II SPECIFIC GRAVITIES

Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
	Producer	Legal Description			(Gsb)	Surf Dry						
Holliday Sand	815301	S28 T11S R23E	Wyandotte Co.	SSG	2.600	2.610	2.626	0.4	November 1, 2013	s		
Holliday Sand	815401	S32 T11S R23E	Johnson Co.	SSG	2.597	2.610	2.631	0.5	December 1, 2017	s		
Holliday Sand	815410	S16 T17N R14E	Tulsa Co. OK	SSG	2.610	2.621	2.637	0.4	March 1, 2016	s	35.95637	95.83234
Holliday Sand	815412	S32 T11S R23E	Wyandotte Co.	SSG	2.587	2.603	2.628	0.7	July 1, 2014	s		
Holliday Sand Mo. River	815404	S9 T50N R33W	Riverside, Missouri	SSG	2.606	2.621	2.646	0.6	May 1, 2018	s		
Holliday Sand Mo. River	815406	S20 T57N R35W	Buchanan Co. MO	SSG	2.604	2.615	2.634	0.5	May 1, 2018	s		
Holliday Sand Mo. River	815407	S10 T50N R32W	Randolph, Missouri	SSG	2.599	2.617	2.647	0.7	May 1, 2018	s		
Huber	812701	S21 T24S R32W	Finney Co.		2.609	2.620	2.640	0.4	January 1, 2018	s	37.95444	100.84933
Huber	835801	S17 T24S R40W	Hamilton Co.		2.610	2.620	2.630	0.3	December 1, 2017	s		
Hunt (BFLS underground)	803512	S02 T52N R34W	Platte Co MO	Mansand	2.593	2.637	2.713	1.7	May 1, 2018			
Iron Mountain Trap Rock	823701	S30 T35N R04E	St Francois Co MO		2.584	2.605	2.638	0.8	June 1, 2016			
J Corp	808303	S30 T15S R18W	Ellis Co.		2.611	2.629	2.626	0.7	May 1, 2014	s	38.72332	99.36835
Johnson County Aggregates ARGN	806701	S09 T14S R23E	Johnson Co. KS	Mansand	2.573	2.631	2.730	2.2	March 1, 2017			
Johnson County Aggregates FRLY	806701	S09 T14S R23E	Johnson Co. KS	Dust	2.537	2.607	2.728	2.7	May 1, 2018			
Johnson Sand	818902	S 05 T15S R02W	Salina		2.618	2.633	2.658	0.6	November 1, 2015	s	38.78218	97.57118
Kansas Sand	830903	S21 T11S R14E	Shawnee Co.		2.602	2.611	2.627	0.4	May 1, 2017	s		
Kinsley Redi Mix	835101	S35 T24S R19W	Edwards Co.		2.584	2.612	2.657	1.0	September 1, 2014	s		
Klotz	812605	S31 T24S R31W	Finney Co.		2.602	2.618	2.646	0.6	May 1, 2018	s		
Klotz	812607	S02 T25S R36W	Kearny Co.		2.592	2.602	2.619	0.4	February 1, 2016	s		
Klotz	812809	S03 T25S R36W	Kearny Co.		2.605	2.622	2.650	0.6	July 1, 2013	s		
Klotz	814202	S18 T24S R40W	Hamilton Co.		2.586	2.604	2.648	0.7	December 1, 2017	s		
Konza Const.	813601	S27 T11S R05E	Geary Co.		2.604	2.619	2.643	0.6	August 1, 2013	s		
Lakeside S&G	844705	S03 T02N R33W	Hitchcock Co. NE		2.598	2.614	2.641	0.6	March 1, 2014	s		
Martin Marietta	808701	S20 T02S R05E	Johnston Co., OK	Mansand	2.627	2.645	2.675	0.7	May 1, 2017			
Martin Marietta	833901	S07 T13N R69W	Laramie Co., Wy		2.731	2.748	2.778	0.5	June 1, 2017			
Martin Marietta (COCA)	800318	S03 T50N R32W	Clay Co MO	Mansand	2.629	2.661	2.716	1.2	March 1, 2018			
Martin Marietta (UFRLY)	800319	S04 T13S R22E	Johnston Co.	Mansand	2.529	2.602	2.728	2.9	January 1, 2018			
Mid-American Sand	845401	S02 T50N R32W	Clay Co. MO		2.570	2.589	2.621	0.8	November 1, 2013	s		
Mid-States Materials (CPCCK)	826101	S08 T15S R22E	Johnson Co. KS	mansand	2.527	2.608	2.749	3.2	February 1, 2017			
Mid-States Materials (EVCK)	843503	S21 T15 R16E	Osage Co.		2.560	2.609	2.692	1.9	July 17, 2017			
Mid-States Materials (EVCK)	843507	S26 T12S R17E	Douglas Co.		2.614	2.664	2.752	1.9	November 1, 2016			
Mid-States Materials (FRLY)	826101	S08 T15S R22E	Johnson Co. KS	mansand	2.558	2.622	2.726	2.4	February 1, 2017			
Mid-States Materials (OZWK)	843507	S26 T12S R17E	Douglas Co.		2.562	2.633	2.758	2.7	November 1, 2016			
Mid-States Materials (SPGH)	800317	S01 T17S R20E	Franklin Co.	1/4- Man	2.465	2.552	2.699	3.5	May 1, 2018			
Mid-States Materials (SPGH)	826101	S08 T15S R22E	Johnson Co. KS	mansand	2.491	2.580	2.734	3.6	February 1, 2017			
Midwest Concrete	817102	S16 T10S R10E	Wabaunsee Co.		2.607	2.620	2.644	0.5	March 1, 2015	s		
Midwest Concrete	817104	S33 T10S R07E	Riley Co.		2.609	2.622	2.642	0.5	January 1, 2018	s		
Midwest Concrete	817105	S35 T11S R18E	Douglas Co.		2.582	2.600	2.628	0.7	April 1, 2015	s		
Midwest Concrete	818604	S30 T10S R08E	Riley Co.		2.601	2.620	2.645	0.6	March 1, 2015	s		
Midwest Materials	806302	S07 T03S R05E	Washington Co.		2.600	2.614	2.638	0.6	August 1, 2015	s		
Midwest Minerals (BKJG)	801705	S06 T35S R21E	Labette Co.	Mansand	2.498	2.568	2.686	2.8	February 1, 2018		37.03208	95.15115
Midwest Minerals (STNR)	801722	S27 T30S R15E	Wilson Co.	1/2" chips	2.589	2.630	2.701	1.6	May 1, 2017		37.41245	95.74935
Muskogee Sand	841501	S04 T15N R18E	Muskogee Co. OK		2.608	2.619	2.639	0.5	August 1, 2016	s	35.80858	95.40816
N.A.P. Co (AMZN)	802439	S28 T59N R35W	Andrew Co. MO	Mansand	2.580	2.644	2.757	2.5	May 1, 2018			
Nelson Quarries (HRFD)	800125	S34 T19S R14E	Coffey Co.	Screenings	2.535	2.604	2.724	2.7	May 1, 2018			
Northridge Sand	819102	S16 T26S R01E	Sedgewick Co.		2.597	2.614	2.643	0.7	August 1, 2017	s		
Penny's Conc.	826802	S26 T12S R20E	Douglas Co.		2.573	2.588	2.613	0.6	September 1, 2014	s		

## May 2018 LETTING PROCEDURE II SPECIFIC GRAVITIES

Producer	CMS ID Producer	Legal Description	Location	Products	Bulk Dry (Gsb)	Saturated Surf Dry	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
Prowers Aggregate Operators, LLC	847901	S28 T22S R46W	Prowers Co. CO		2.582	2.608	2.650	1.0	November 1, 2014	s	38.10196	102.58315
Raymond Sand	818201	S28 T20S R10W	Rice Co.		2.589	2.604	2.627	0.6	January 1, 2016	s		
RBK Const. (Basalt)	848701	S07 T33S R50W	Baca Co. CO		2.780	2.860	2.955	2.2	August 1, 2017			
Seacat & Heft	815801	S04 T29S R17W	Kiowa Co.		2.594	2.611	2.640	0.7	September 1, 2014	s		
Stone Sand	810401	S33 T19S R12W	Barton Co.		2.586	2.605	2.636	0.8	May 1, 2018	s		
Trap Rock And Granite	845303	S12 T34N R03E	Iron Co. MO	Mansand	2.645	2.656	2.674	0.4	December 1, 2016			
Venture Dundee Sand	810112	S16 T20S R14W	Barton Co.		2.592	2.607	2.633	0.6	June 1, 2015	s		
Whitaker	847201	S20 T32S R08E	Cowley Co.		2.490	2.573	2.715	3.4	July 1, 2017			

### Deleted Values

The following are values from sources that have been deleted from the active list and are for reference only.

Allied Inc	808323	S10 T15S R14W	Russell Co		2.620	2.633	2.652	0.5	October 1, 2008	s	38.76984	98.86696
Alsop	811101	S02 T08S R02E	Clay Co.		2.590	2.610	2.635	0.7	October 15, 2004	s		
Alsop	811102	S26 T05S R03W	Cloud Co.		2.585	2.608	2.645	0.9	October 15, 2004	s		
Alsop	811103	S05 T04S R04W	Republic Co.		2.613	2.610	2.630	0.6	June 1, 2007	s	39.73481	97.78781
Alsop	811107	S27 T13S R01E	Dickinson Co.		2.600	2.620	2.660	0.7	April 1, 2007	s		
Alsop	811108	S31 T14S R02W	Saline Co.		2.626	2.639	2.661	0.5	August 1, 2006	s		
Alsop	811109	S4 T02N R02W	Hebron, NE		2.601	2.615	2.637	0.5	August 1, 2002	s		
Alsop	811110	S16 T07S R13W	Osborne Co.		2.614	2.630	2.656	0.6	January 1, 2003	s		
Alsop	811111	S16 T20S R01E	Marion Co.		2.592	2.616	2.656	0.9	July 1, 2005	s		
Alsop	811112	S30 T13S R02W	Saline Co.		2.611	2.627	2.654	0.6	November 1, 2007	s		
Amman Sand (See Bladden)												
Amman Sand (See Bladden)												
Anchor Stone			Tulsa, OK									
Anchor Stone (WRSW)	836402	S34 T28N R32W	Jasper Co. MO	Mansand	2.515	2.579	2.688	2.6	February 1, 2016		37.10327	94.40710
APAC (ARGN)	804007	S12 T16S R24E	Miami Co	Dust	2.477	2.551	2.675	3.0	May 1, 2009		38.67333	94.69672
APAC (ARGN)	804007	S12 T16S R24E	Miami Co	MNSND	2.572	2.627	2.720	2.1	March 1, 2009		38.67299	94.69581
APAC (FRLY)	804008	S07 T16S R25E	Miami Co	-5/16"	2.533	2.597	2.707	2.6	August 1, 2010			
APAC (FRLY)	804008	S07 T16S R25E	Miami Co	Mansand	2.608	2.647	2.715	1.5	August 1, 2010			
APAC (FRLY)	804008	S07 T16S R25E	Miami Co	Dust	2.568	2.622	2.699	2.1	August 1, 2010			
APAC (FRLY, Class I for UTB Overlay)	804007	S12 T16S R24E	Miami Co	MNSND	2.577	2.629	2.720	2.0	January 1, 2009		38.67387	91.69463
APAC (FRLYARG)	804008	S07 T16S R25E	Miami Co	Mansand, Dust	2.502	2.581	2.715	3.1	August 1, 2010			
APAC Central (DEWY)	809101	S25 T27N R13E	Washington Co. OK	Mansand, Screenings	2.608	2.667	2.775	2.3	September 1, 2014		36.80405	95.86936
APAC Hays	808323	S10 T15S R14W	Russel Co.		2.625	2.631	2.641	0.2	May 1, 2002	s		
APAC Hays	811602	S29 T15S R18W	Ellis Co.		2.593	2.627	2.645	0.8	July 1, 2006	s		
APAC Hays	811603	S25 T15S R19W	Ellis Co.Kraus Pit		2.584	2.620	2.680	1.4	October 1, 2009	s		
APAC Hays	811604	S25 T15S R19W	Ellis Co. Bieker Pit		2.620	2.636	2.646	0.3	October 15, 2004	s		
APAC Hays	811613	S27 T10S R28W	Sheridan Co.		2.546	2.598	2.625	0.5	October 15, 2004	s		
APAC Hays	811614	S17 T7S R39W	Sherman Co.		2.570	2.597	2.633	0.8	October 15, 2004	s		
APAC Hays	811615	S34 T10S R32W	Thomas Co.		2.624	2.632	2.645	1.4	October 15, 2004	s		
APAC Hays	811620	S31 T14S R23W	Trego Co.		2.614	2.631	2.657	0.6	October 15, 2004	s		
APAC Hays	811628	S35 T10S R32W	Thomas Co.		2.594	2.624	2.675	1.2	October 15, 2004	s		
APAC Hays	811630	S36 T14S R24W	Trego Co.		2.614	2.631	2.657	0.6	October 15, 2004	s		
APAC Kansas	801904	S03 T 21S R13E	Lyon Co.		2.524	2.598	2.727	2.9	June 1, 2007			
APAC Kansas	804009	S 03 T21S R13E	Lyon Co.		2.507	2.581	2.709	3.0	May 1, 2011			
APAC Kansas	810903	S05 T27S R24W	Ford Co.		2.615	2.628	2.651	0.6	December 1, 2006	s		
APAC Kansas	826003	S14 T12S R08W	Lincoln Co.		2.619	2.639	2.672	0.8	March 1, 2016			

## May 2018 LETTING PROCEDURE II SPECIFIC GRAVITIES

Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
	Producer	Legal Description			(Gsb)	Surf Dry						
APAC Kansas	826012	S12 T12S R08W	Lincoln Co.	CS-2, Grizzly	2.641	2.657	2.684	0.6	May 1, 2011			
APAC Kansas (ARGN Ledge)	803701	S01 T12S R23E	Johnson Co.	Dust	2.532	2.597	2.707	2.5	November 1, 2010		39.03173	94.80922
APAC Kansas (CPCK)	803705	S10 T14S R23E	Johnson Co.	Dust	2.485	2.570	2.717	3.4	September 1, 2014		38.85231	94.84701
APAC Kansas (CPCK)	803903	S16 T14S R23E	Johnson Co.	-5/16", dust	2.560	2.619	2.734	2.6	July 1, 2012		38.83531	94.86701
APAC Kansas (FRLY)	803705	S10 T14S R23E	Johnson Co.	Dust	2.537	2.607	2.748	2.8	May 1, 2016			
APAC Kansas (LFRLY Ledge)	803701	S01 T12S R23E	Johnson Co.	Dust	2.521	2.590	2.710	2.8	November 1, 2010		39.03190	94.80896
APAC Kansas (STNR Ledge)	803705	S10 T14S R23E	Johnson Co.	-5/16", dust	2.552	2.610	2.710	2.3	November 1, 2010		38.85366	94.84856
APAC Kansas (STNR)	803903	S16 T14S R23E	Johnson Co.		2.522	2.605	2.754	3.3	September 1, 2014		38.83264	94.86893
APAC Kansas (STNR)	803903	S16 T14S R23E	Johnson Co.		2.555	2.620	2.731	2.5	August 1, 2010			
APAC Reno	804007	S12 T16S R24E	Miami Co. KS	CS-2	2.515	2.594	2.715	2.8	January 1, 2002			
APAC Reno	836301	S27 T22S R24E	Linn Co.	Mansand	2.503	2.569	2.681	2.7	December 1, 2003			
APAC Reno			Johnson Co. KS		2.526							
APAC Reno (ARGN)	804002	S24 T14S R24E	Johnson Co. KS		2.561	2.618	2.714	2.2	June 1, 2007		38.82150	94.69010
APAC Reno (FRLY)	804007	S12 T16S R24E	Miami Co. KS	-1/2, 3/4", mansand, screenings	2.463	2.553	2.708	3.7	August 1, 2005		38.67412	94.69887
APAC Shears	801916	S14 T23S R05W	Reno Co.		2.589	2.600	2.620	0.4	December 1, 2004	S		
APAC-Allied	841703	S34 T15S R18W	Ellis Co.		2.622	2.631	2.646	0.4	December 1, 2005	S	38.69783	99.30538
APAC-Shears	801925	S11 T28S R12E	Greenwood Co.		2.563	2.629	2.745	2.6	May 1, 2008			
APAC-Shears	801927	S03 T21S R13E	Hartford		2.518	2.583	2.720	2.8	February 1, 2001			
APAC-Shears	831401	S35 T27S R01W	Sedgewick Co.		2.595	2.614	2.644	0.7	September 1, 2003	S		
APAC-Shears	Various	S13 T12S R08W	Lincoln		2.595	2.629	2.678	1.1	April 1, 2001			
APAC-Shears	Various	S23 T12S R08W	Lincoln		2.638	2.645	2.683	0.9	August 1, 2002			
APAC-Shears	Various	Various	Lincoln	Grizzly	2.620	2.636	2.664	0.8	October 1, 2001			
APAC-Shears 1/2", 1/4"	800408	S11 T28S R12E	Fall River	1/2", 1/4"	2.600				April 1, 2000			
Ark River Sand	838202	S06 T32S R03E	Cowley Co.		2.615	2.621	2.640	0.4	September 1, 2006	S		
Ash Grove Aggr.	805108	S30 T21S R20E	Anderson Co.		2.480	2.570	2.710	3.4				
Ash Grove Aggr.	805109	S30 T40N R31W	Butler, MO		2.524	2.592	2.709	2.7	July 1, 2003			
Ash Grove Aggr.		(Various)	Bourbon Co.		2.417							
Ash Grove Aggr.		(Various)	Linn Co.		2.470							
Associated	819905	S14 T26S R01E	Sedgwick County		2.597	2.612	2.637	0.6	October 15, 2004	S		
Associated	819905	S14 T26S R01E	Sedgwick County		2.597	2.612	2.637	0.6	October 15, 2004	S		
B&B Concrete	603402	S22 T07 R18W	Stockton		2.602	2.613	2.632	0.4				
B&B Redimix	818704	S20 T07S R18W	Rooks Co.		2.600	2.622	2.651	0.7	June 1, 2005	S		
Barber & Sons (BFLS)	842701	S07 T47N R30W	Jackson Co. MO	Mansand	2.507	2.575	2.691	2.7	September 1, 2011		38.90338	94.27975
Bayer Const Co.	801830	S08 T13S R05E	Geary Co.		2.521	2.596	2.726	3.0	September 1, 2015			
Bayer Const. Co.	801807	S03 T09S R06E	Riley Co.		2.426	2.508	2.642	3.4	March 1, 2004			
Bayer Const. Co.	801824	S33 T10S R09E	Riley Co.		2.588	2.640	2.729	2.0	July 1, 2009			
Bayer Const. Co.	802322	S05 T13S R05E	Geary Co.		2.545	2.604	2.706	2.3	September 1, 2012			
Bayer Const. Co.	802322	S05 T13S R05E	Geary Co.		2.510	2.582	2.705	2.9	April 1, 2007		38.94896	96.90372
Bayer Const. Co. (TRKO)	843101	S33 T10S R09E	Riley Co.		2.564	2.628	2.740	2.5	May 1, 2012			
Beatrice Sand	824703	S29 T01N R04E	Fairbury, NE		2.553							
Bedrock Inc.	841401	S28 T28N R32W	Carterville, MO		2.505	2.577	2.620	1.5	May 1, 2003			
BELCO APAC DEWY Ledge)	809101	S25 T27N R13E	Nowata, OK		2.629	2.660	2.725	1.4	October 1, 2009		36.80490	95.87233
Belco Materials	809101	S25 T27N R13E	Washington Co.OK		2.607	2.648	2.720	1.6	July 1, 2007			
Belco Materials	809103	S11 T25N R8W	Osage Co.OK		2.553	2.614	2.718	2.4	May 1, 2005			
Beyer Crushed Rock Co (BFLS)	806901	S26 T54N R33W	Cass Co. MO		2.534	2.588	2.679	2.1	September 1, 2009		38.69364	94.54699
Bingham (Atlas Pile)	821811	S22 T29N R23E	Ottawa Co. OK		2.523	2.573	2.567	2.0	March 1, 2015	c	36.98076	94.80795
Bingham (Gordon Pile)	821815	S18 T29N R23E	Ottawa Co. OK		2.545	2.587	2.656	1.7	June 1, 2008	c	36.99195	94.85100

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Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Percent	Date Modified	Chat or	Latitude	Longitude	
	Producer	Legal Description			(Gsb)	Surf Dry						Apparent
Bingham (Ottawa Pile)	821806	S17 T29N R23E	Ottawa Co. OK		2.547	2.583	2.642	1.4	December 1, 2014	C	36.99438	94.83992
Bingham (Semple Pile)			Baxter Springs		2.553				November 1, 1999			
Bingham (Sooner Pile)	821812	S16 T29N R23E	Ottawa Co. OK		2.535	2.576	2.643	1.6	July 1, 2007	C		
Bladden (Formerly Amman Sand)	823801	S11 T02N R16W	Franklin Co., NE		2.591							
Bladden (Formerly Amman Sand)	823802	S14 T02N R16W	Franklin Co., NE		2.599	2.630	2.651	0.5	November 1, 2000	S		
Bladden (Formerly Amman Sand)	823802	S14 T02N R16W	Franklin Co., NE		2.599	2.630	2.651	0.5	November 1, 2000			
Bladen	824002	S09 T02N R10W	Red Cloud		2.599	2.615	2.630	0.4				
Bladen	824201	S18 T02N R14W	Franklin Co. NE		2.612	2.622	2.638	0.4	June 1, 2006	S	40.13917	98.93976
Bladen	824205	S16 T02N R10W	Webster Co. NE		2.599	2.623	2.663	0.9	October 1, 2008	S	40.14244	98.45629
Blevins Chat	143801	S25 T29N R22E	Ottawa Co OK	3/8 chip, dragsand	2.517	2.568	2.651	2.0	August 1, 2014	C	36.96195	94.87701
Blue River Sand	805405	S35 T03S R05E	Washington Co.		2.549	2.578	2.624	1.1				
Broce Construction	809904	S02 T27S R25W	Ford Co.		2.588	2.611	2.645	0.8	January 1, 2005	S		
Bromley (Haeglin Lease)			Atchison Co		2.420							
Builder's Sand	815301	S28 T11S R23E	Johnson Co.		2.570	2.590	2.630	0.9				
Builder's Sand	815304	S23 T11S R16E	Shawnee Co.		2.620	2.630	2.650	0.4				
C&M Agg (Curzon)	800406	S30 T17S R15E	Osage County		2.302	2.463	2.744	7.0				
C&M Agg (Hartford)	800406	S30 T17S R15E	Osage County		2.436	2.537	2.711	4.2				
Carder	823512	S22 T23S R43W	Hamilton CO		2.581	2.605	2.643	0.9	August 1, 2010	S	38.03351	102.03022
Carder	823513	S19 T24S R39W	Hamilton CO		2.564	2.595	2.643	1.2	June 1, 2011	S		
Carder		(Various)	Lamar CO		2.570	2.610	2.680	1.8				
Carder		(Various)	Carlton CO		2.570	2.610	2.680	1.8				
Carthage Crushed	848001	S29 T29N R31W	Jasper Co. MO		2.631	2.658	2.703	1.0	July 1, 2015		37.20735	94.32763
Central Paving	839001	S17 T26S R04E	Butler, Co.	CS-2	2.394	2.498	2.671	4.4	December 1, 2003			
Consolidated Sand & Gravel	824601	S27 T02N R02E	Fairbury, NE		2.580	2.596	2.627	0.7				
Cornejo Mtls	820105	S14 T31S R10E	Elk Co.	CS2	2.506	2.585	2.723	3.2	November 1, 2014			
Cummins Const.	CC158401	S23 T29N R22E	Ottawa Co. OK		2.505	2.559	2.646	2.2	June 1, 2006	C	36.98083	94.89053
Dartmouth Sand	810401	S33 T19S R12W	Barton Co.		2.610	2.640	2.689	1.1	September 1, 2012	S		
Deweese	825001	S17 T01N R07W	Nuckolls Co. NE	SSG	2.594	2.622	2.669	1.1	January 1, 2008	S		
Dolese	809001	S36 T04N R12W	Comanche Co. OK		2.649	2.671	2.710	0.8	October 1, 2014			
Dolese	809001	S36 T04N R12W	Comanche Co. OK	Screenings, Mansand	2.638	2.669	2.721	1.2	October 1, 2006			
Dolese	809001	S36 T04N R12W	Comanche Co. OK	CS-1C	2.670	2.690	2.725	0.8	October 1, 2006			
Dolese	809001	S36 T04N R12W	Richards Spur		2.635	2.650	2.700	1.0				
Dolese	809002	S08 T01S R01E	Davis Co, OK		2.641	2.668	2.713	1.0	January 1, 2013			
Dolese	809402	S32 T06N R15W	Kiowa Co. OK		2.672	2.700	2.747	1.0	April 1, 2012			
Dolese	809402	S32 T06N R15W	Cooperton									
Dolese	809403	S36 T06N R10W	Caddo Co. OK		2.581	2.632	2.721	2.0	January 1, 2008			
Eastern Colorado Agg	833301	S16 T23S R42W	Holly, Prowers Co, CO		2.581	2.608	2.652	1.0	June 1, 2012	S		
Evans And Assoc.	CC172602	S26 T29N R02 E	Kay Co. OK		2.530	2.572	2.641	1.6	December 1, 2004	S		
Flint Rock Products Pile # 2	822503	SW 1/4 S29 T29N R23E	Ottawa County, OK		2.558	2.594	2.654	1.4	June 1, 2015	C	36.95833	94.84167
Granite Mountain	838701		Sweet Home, AR		2.601	2.620	2.650	1.0				
Great Bend Asphalt	810301	S32 T19S R13W	Great Bend		2.600	2.610	2.630	0.4				
Hamm	800921	S07 T08S R21E	Easton-Leavenworth Co		2.400	2.506	2.708	5.0	August 1, 2001			
Hamm	800929	S09 T17S R15E	Lyndon-Osage City		2.503	2.580	2.771	3.1				
Hamm	800930	S16 T15S R16E	Overbrook		2.582	2.640	2.741	2.2	January 1, 2000			
Hamm	800931	S34 T17S R16E	Osage Co.	Screenings	2.416	2.519	2.694	4.3	May 1, 2004			
Hamm	800931	S34 T17S R16E	Osage Co.	Man Sand	2.492	2.580	2.731	3.5	May 1, 2004			
Hamm	800948	S21 T02S R20E	Doniphan Co.		2.570	2.635	2.748	2.5	May 1, 2005			

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Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Percent	Date Modified	Chat or	Latitude	Longitude
	Producer	Legal Description			(Gsb)	Surf Dry					
Hamm	800949	S36 T11S R19E	Jefferson Co.	Mansand	2.538	2.618	2.759	3.2	July 1, 2006		
Hamm	800949	S36 T11S R19E	Jefferson Co.	CS 2	2.445	2.558	2.758	4.7	July 1, 2006		
Hamm	800955	S13 T13S R03E	Dickinson Co.		2.438	2.528	2.682	3.7	August 1, 2004		
Hamm	800963	S04 T15S R04E	Dickinson Co.		2.420	2.520	2.667	4.1	August 1, 2006		
Hamm	800968	S10 T07S R10E	Pottawatomie Co.		2.471	2.557	2.703	3.5	January 1, 2010		
Hamm	800975	S29 T14S R06E	Morris Co.		2.414	2.524	2.712	4.6	April 1, 2014		
Hamm	802457	S10 T14S R04E	Dickinson Co.		2.478	2.557	2.692	3.2	June 1, 2011		
Hamm	900938	S15 T10S R15E	Roll Mead-Shawnee Co		2.517	2.588	2.728	3.3			
Hamm	800964	S29 T14S R06E	Morris Co.		2.458	2.555	2.724	4.0	March 1, 2008	38.80787	96.78781
Hamm	800965	S03 T07S R10E	Pottawatomie Co.		2.480	2.564	2.708	3.4	July 1, 2003		
Hamm (EVCK)	800972	S16 T15S R16E	Osage Co.	Mansand	2.482	2.563	2.701	3.3	July 1, 2007		
Hamm (SNBD)	800907	S15 T13S R21E	Eudora-Douglas Co		2.567	2.623	2.719	2.2	August 1, 2013		
Hamm Ozawkie Formation	800915	S15 T11S R17E	Grantville-Jefferson Co		2.587	2.630	2.704	1.7	August 1, 2001		
Hamm (EVCK)	800930	S16 T15S R16E	Osage Co.		2.514	2.580	2.691	2.6	April 1, 2012		
Hamm (LVNR)	800910	S01 T12S R19E	Douglas Co.	CS-1	2.555	2.607	2.694	2.1	April 1, 2010		
Hamm (LVNW)	800910	S01 T12S R19E	Douglas Co.		2.630	2.664	2.722	1.3	April 1, 2013		
Hamm (NEVA)	800950	S03 T07S R10E	Pottawatomie Co.		2.432	2.529	2.693	4.0	May 1, 2015		
Hamm (NEVA)	800967	S10 T07S R10E	Pottawatomie Co.		2.403	2.509	2.689	4.4	August 1, 2010		
Hamm (STNR)	800907	S15 T13S R21E	Eudora-Douglas Co	MNSND	2.547	2.605	2.704	2.3	July 1, 2014		
Hamm (TRNT)	800910	S01 T12S R19E	Douglas Co.	CS-1	2.514	2.601	2.754	3.5	October 12, 2012		
Hamm (TRNT)	800913	S01 T11S R19E	Jefferson Co.		2.495	2.595	2.682	4.0	October 12, 2012		
Hamm Plattsmouth Ledge	800949	S36 T11S R19E	Jefferson Co		2.423	2.517	2.673	3.9	January 1, 2002		
Hamm Toronto/Leavenworth Ledges	800949	S36 T11S R19E	Lawrence-Jefferson Co		2.525	2.610	2.760	3.4			
Hanson Agg (Western Rock)	826501	S10 T01S R01W	Murray Co OK		2.642	2.680	2.746	1.4	February 1, 2011		
Harry Byers	805901	S19 T27S R18E	Neosho Co.		2.480	2.560	2.700	3.5			
Harshman	801513	S35 T25S R13E	Paxson, Woodson Co.		2.580	2.630	2.272	2.3			
Harshman		S28 T23S R15E	Drake, Woodson, Co.								
Harshman		S21 R34S R11E	Floyd,Chatauqua, Co								
Harshman			Freund, Coffey Co.		2.540	2.615	2.747	3.0			
Harshman			Toronto,Greenwood Co.								
Harshman			Hilltop, Greenwood Co.								
Harshman			Waverly, Osage Co.								
Harshman (Ervine Cr. Ledge)	842101	N1/2 S04 T30S R11E	Elk Co.		2.531	2.609	2.737	2.9	March 1, 2003		
Harshman (SNBD/STNR Ledge)	800111	S19 T26S R16E	Woodson Co.		2.509	2.582	2.706	2.9	September 1, 2010	37.77121	95.70426
Harshman (Stoner Ledge)	800111	S19 T26S R16E	Woodson Co.		2.488	2.573	2.721	3.4	February 1, 2002		
Harshman Const.	801504	S13 T31S R10E	Elk Co.		2.460	2.567	2.753	4.3	October 1, 2008		
Harshman Const.	801517	S04 T30S R11E	Elk Co.		2.515	2.589	2.717	3.0	April 1, 2005		
Harshman Const. (HRFD)	801510	S19 T19S R15E	Coffey Co.	-1" x 3/8	2.534	2.618	2.767	3.3	February 1, 2006		38.38015 95.79847
Heckert (St. Joe pile Primary)	842005	S20 T29N R23E	Ottawa Co. OK		2.521	2.572	2.657	2.0	May 1, 2008	c	36.97992 94.83575
Heckert (St. Joe pile Vantage East)	842004	S20 T29N R23E	Ottawa Co. OK		2.512	2.563	2.646	2.0	May 1, 2008	c	36.98278 94.83655
Heft Sand	838501	S35 T30S R14W	Barber Co.		2.587	2.609	2.645	0.9	April 1, 2007	s	
Heft Sand	838501	S35 T30S R14W	Greensburg		2.602				November 1, 1999		
Holliday Sand	815303	S25 T11S R15E	Shawnee Co.	SSG	2.604	2.613	2.628	0.4	January 1, 2005	s	
Holliday Sand	815304	S23 T11S R16E	Shawnee Co.	SSG	2.600	2.614	2.637	0.5	January 1, 2005	s	
Holliday Sand	815402	S36 T11S R23E	Wyandotte Co.	SSG	2.571	2.599	2.645	1.1	September 1, 2000	s	
Holliday Sand	815409	S13 T17N R13E	Tulsa Co. OK	SSG	2.615	2.624	2.639	0.3	August 1, 2012	s	35.95442 95.86949



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Producer	CMS ID Producer	Legal Description	Location	Products	Bulk Dry (Gsb)	Saturated Surf Dry	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
Holiday Sand			Buchanan Co., MO		2.596							
Huber	812702	S18 T24S R33W	Finney Co.		2.602	2.618	2.646	0.6	August 1, 2011	S		
Humble Sand & Gavel	822502	S24 T29N R23E	Ottawa County, OK	CME	2.526	2.571	2.647	1.8	March 1, 2007	C		
Humble Sand & Gavel	822502	S24 T29N R23E	Ottawa County, OK	Dragsand	2.545	2.583	2.645	1.5	August 1, 2008	C		
Hunt Midwest	800204	S21 T25S R24E	Fort Scott		2.435	2.527	2.673	2.1				
Hunt Midwest	800205	S12 T34S R07E	Cowley Co.		2.511	2.576	2.684	2.6	June 1, 2003			
Hunt Midwest	800306	S01 T13S R18E	Lawrence		2.500	2.570	2.700	3.0				
Hunt Midwest	800312	S18 T17S R23E	Miami Co.	CS-2, CS-1A	2.498	2.574	2.703	3.0	September 1, 2003			
Hunt Midwest			Osage County		2.427	2.530	2.720	4.6				
Hunt-Martin (BFLS underground)	803512	S02 T52N R34W	Clay Co MO	-5/16"	2.600	2.634	2.704	1.6	August 1, 2012			
Hunt-Martin (BFLS underground)	803512	S02 T52N R34W	Clay Co MO	Dust	2.550	2.611	2.716	2.4	July 1, 2008			
Hunt-Martin (BFLS)	807301	S36 T50N R34W	Riverside, MO	Chips	2.565	2.617	2.711	2.1	August 1, 2011			
Hunt-Martin Materials	800201	S01 T20S R19E	Anderson Co.		2.510	2.575	2.685	2.6	March 1, 2002			
Hunt-Martin Materials	800310	S13 T16S R19W	Franklin Co.	-3/8 washed mansand	2.455	2.550	2.715	3.9	February 1, 2005			
Hunt-Martin Materials	800311	S30 T16S R24E	Miami Co.		2.480	2.530	2.610	1.8				
Hunt-Martin Materials	800315	S24 T18S R19E	Franklin Co.		2.390	2.480	2.650	4.8				
Hunt-Martin Materials	800316	S14 T15S R18E	Douglas Co.		2.468	2.553	2.697	3.4	October 1, 2002			
Hunt-Martin Materials	802454	S10 T13S R04E	Dickinson Co.	CS-II	2.504	2.574	2.698	2.9	February 1, 2005			
Hunt-Martin Materials (BFLS)	802435	S07 T45N R32W	Peculiar, MO	-1/2"	2.570	2.622	2.712	2.0	August 1, 2008			
Hunt-Martin Materials (BFLS)	802435	S07 T45N R32W	Peculiar, MO	CS-II	2.523	2.593	2.712	2.8	February 1, 2005			
Hunt-Martin Materials (BFLS)	807301	S36 T50N R34W	Riverside, MO	-5/16, CS-II	2.549	2.614	2.727	2.6	January 1, 2005			
Hunt-Martin Materials (BFLS)	808103	S03 T46N R31E	Greenwood MO	CS-II	2.517	2.582	2.693	2.6	January 1, 2005			
Hunt-Martin Materials (CPCK)	800310	S13 T16S R19E	Franklin Co.	-4, chips	2.498	2.579	2.717	3.2	June 1, 2013		38.65633	95.25275
Hunt-Martin Materials (CPCK)	800310	S13 T16S R19E	Franklin Co.	-3/8	2.512	2.592	2.729	3.2	August 1, 2008			
Hunt-Martin Materials (CPCK)	802447	S13 T16S R19E	Franklin Co.	Screenings, Mansand, 1/4" Chips	2.494	2.573	2.701	3.0	February 1, 2005			
Hunt-Martin Materials (Ervine Creek)	802433	S23 T12S R17E	Douglas Co.		2.449	2.546	2.713	3.6	September 1, 2002			
Hunt-Martin Materials (Ervine Creek)	802437	S22 T12S R17E	Shawnee Co.		2.484	2.569	2.714	3.4	May 1, 2002			
Hunt-Martin Materials (IFRLY)	803501	S9 T13S R22E	Johnson Co. KS		2.460	2.551	2.708	3.8	July 1, 2011		38.93860	94.96997
Hunt-Martin Materials (Ozawkie Formation)	802433	S23 T12S R17E	Douglas Co.	Screenings	2.484	2.578	2.743	3.8	December 1, 2004			
Hunt-Martin Materials (Ozawkie Formation)	802433	S23 T12S R17E	Douglas Co.	Washed Chips	2.559	2.635	2.789	3.0	December 1, 2004			
Hunt-Martin Materials (Ozawkie Formation)	802437	S22 T12S R17E	Shawnee Co.		2.545	2.644	2.794	3.3	October 1, 2001			
Hunt-Martin Materials (SNBD)	800310	S13 T16S R19E	Franklin Co.	mansand	2.594	2.637	2.715	1.7	December 1, 2006		38.65554	95.25336
Hunt-Martin Materials (SNBD)	800310	S13 T16S R19E	Franklin Co.	1/4	2.616	2.658	2.732	1.6	December 1, 2006		38.65554	95.25336
Hunt-Martin Materials (SNBD)	800310	S13 T16S R19E	Franklin Co.	Dust	2.511	2.577	2.689	2.6	December 1, 2006		38.65554	95.25336
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	Chips	2.444	2.555	2.744	4.5	June 1, 2010		38.65591	95.25500
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	Mansand	2.445	2.544	2.719	4.1	November 1, 2009		38.65605	95.25503
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	-3/8	2.443	2.550	2.572	4.4	August 1, 2008			
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	mansand	2.429	2.539	2.724	4.4	December 1, 2006		38.65281	95.25272
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	1/4	2.482	2.568	2.714	3.4	December 1, 2006		38.65281	95.25272
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	Dust	2.411	2.533	2.748	5.0	December 1, 2006		38.65281	95.25272
Hunt-Martin Materials (STNR)	800310	S13 T16S R19E	Franklin Co.	MANSAND	2.452	2.551	2.721	4.0	August 1, 2014		38.65706	95.25661
Hunt-Martin Materials (UFRLY)	803501	S9 T13S R22E	Johnson Co. KS		2.463	2.556	2.715	3.8	July 1, 2011		38.93860	94.96997
Hunt-Martin Materials (ARGN)	803501	S09 T13S R22E	Johnson Co. KS		2.462	2.554	2.710	3.7	July 1, 2011		38.93869	94.97256
Hunt-Martin (PKA Martin Marietta) (BFLS)	802451	S11 T46N R31W	Greenwood, MO	Dust, - 1/4"	2.575	2.628	2.718	2.1	July 1, 2011		38.81273	94.31907
Hunt-Midwest	803503	S10 T50N R32W	Randolph, MO	Dust	2.565	2.612	2.691	1.8	July 1, 2011			

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Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
	Producer	Legal Description			(Gsb)	Surf Dry						
Ideker, Inc.	835401	S19 T59N R35W	Andrew Co., MO		2.475	2.550	2.688	3.3	June 1, 2002			
Inland Quarries	806503	S27 T11S R24E	Wyandotte Co.		2.620	2.660	2.730	1.5				
J&R Carlile Sand	815604	S26 T33S R32W	Liberal		2.574	2.600	2.630	0.7				
J&R Sand Co	814606	S01 T33S R33W	Seward Co		2.606	2.622	2.647	0.6	October 1, 2011	S		
Johnson			Salina		2.618	2.630	2.656	0.6	January 1, 2001			
Johnson County Aggregates ARGN	806701	S09 T14S R23E	Johnson Co. KS	Mansand, Dust	2.594	2.635	2.706	1.6	May 1, 2013		38.84677	94.86382
Johnson County Aggregates ARGN	806701	S09 T14S R23E	Johnson Co. KS	CS-2	2.584	2.643	2.746	2.3	July 1, 2008			
Johnson County Aggregates CPCK	806701	S09 T14S R23E	Johnson Co. KS	-1"	2.495	2.579	2.723	3.3	May 1, 2015			
Johnson County Aggregates FRLY	806701	S09 T14S R23E	Johnson Co. KS	Dust, Mansand	2.528	2.596	2.714	2.8	April 1, 2016		38.84731	94.86228
Johnson County Aggregates FRLY	806701	S09 T14S R23E	Johnson Co. KS	Chips	2.615	2.656	2.728	1.6	August 1, 2012		38.84639	94.86359
Johnson County Aggregates SPGH	806701	S09 T14S R23E	Johnson Co. KS	Mansand	2.509	2.595	2.742	3.4	October 1, 2015			
Johnson County Aggregates SPGH	806701	S09 T14S R23E	Johnson Co. KS	manand	2.566	2.619	2.801	2.1	April 1, 2012		38.84645	94.86367
Johnson County Aggregates SPGH	806701	S09 T14S R23E	Johnson Co. KS	Dust	2.466	2.555	2.708	3.6	October 1, 2009		38.84438	94.86339
Johnson County Aggregates STNR	806701	S09 T14S R23E	Johnson Co. KS	manand	2.568	2.621	2.711	2.1	April 1, 2012		38.84657	94.86459
Johnson County Aggregates STNR	806701	S09 T14S R23E	Johnson Co. KS	1/4"	2.546	2.607	2.717	2.5	February 1, 2007		38.84492	94.86620
Johnson County Aggregates STNR	806701	S09 T14S R23E	Johnson Co. KS	screenings	2.464	2.545	2.677	3.2	February 1, 2007		38.84492	94.86620
Johnson Sand	818901	S31 T14S R02W	Salina		2.624	2.637	2.658	0.5	July 1, 2010	S		
Joplin Stone	807101	S26 T28N R32W	Jasper Co. MO	3/8-, Mansand, Screenings	2.482	2.561	2.695	3.2	July 1, 2010		37.12422	94.39609
Joplin Stone (WRSW)	807101	S26 T28N R32W	Jasper Co. MO	1/2" Clean	2.509	2.572	2.678	2.5	May 1, 2013		37.11982	94.40110
Joplin Stone (WRSW)	807101	S26 T28N R32W	Jasper Co. MO	-3/8 Dirty, Mansand	2.474	2.550	2.678	3.1	May 1, 2013		37.11982	94.40110
Kaw Sand	811703	S24 T12S R22E	Johnson Co.		2.594	2.610	2.635	0.6				
Kaw Valley Sand	821701	S29 T11S R 24E	Wyandotte Co.		2.594	2.611	2.639	0.6	November 1, 2010	S		
Klaver	813401	S20 T26S R26W	Ford Co.		2.615	2.624	2.638	0.3	December 1, 2004	S		
Klaver	813403	S04 T28S R13W	Pratt Co.		2.613	2.623	2.638	0.4	July 1, 2007	S		
Klotz	812602	S16 T24S R34W	Finney Co.		2.609	2.627	2.658	0.7	April 1, 2013	S		
Klotz	812603	S16 T24S R33W	Finney Co.		2.609	2.627	2.658	0.7	October 15, 2004	S		
Klotz	812604	S35 T24S R39W	Hamilton Co.		2.606	2.615	2.629	0.3	December 1, 2006	S		
Knop Concrete	839501	S06 T20S R11W	Barton County		2.587	2.603	2.630	0.6	August 1, 2012	S		
Krier Blow Sand	834801	S17 T18S R11W	Barton Co.		2.621	2.636	2.660	0.6	February 1, 2002	S		
Lafarge Corp	600609	S13 T50N R32W	Jackson Co. MO	Dust	2.540	2.629	2.711	2.4	September 1, 2011		39.14949	94.40087
Lafarge Corp.	600607	S23 T46N R22W	Pettis Co., MO		2.571	2.607	2.699	2.1	May 1, 2004			
Larned Sand	817401	S04 T22S R16W	Larned		2.600	2.620	2.625	0.2	January 1, 2000			
Larned Sand	817402	S08 T22S R16W	Pawnee Co.		2.598	2.612	2.636	0.6	June 1, 2009	S		
Martin Marietta	802244	S23 T28S R11E	Elk Co.		2.520	2.596	2.725	3.0	September 1, 2013			
Martin Marietta	802244	S23 T28S R11E	Elk Co.	Mansand	2.492	2.575	2.719	3.4	July 1, 2011			
Martin Marietta	802323	S10 T13S R04E	Chapman	CS1-A, Man Sand	2.544	2.605	2.705	2.4	July 1, 2002			
Martin Marietta	802402	S14 T14S R04E	Dickinson Co.		2.446	2.526	2.659	3.3	May 1, 2007		38.84522	96.96287
Martin Marietta	802422	S34 T59N R35W	Andrew Co., MO	Screenings	2.500	2.590	2.710	3.1	November 1, 2002			
Martin Marietta	802422	S34 T59N R35W	Andrew Co., MO	3/8 x 3/16 Chips	2.593	2.648	2.742	2.1	November 1, 2002			
Martin Marietta	802434	S36 T01N R12E	Pawnee Co, NE		2.511	2.577	2.688	2.7	December 1, 2004			
Martin Marietta	802442	S34 T10S R09E	Riley Co.		2.460	2.570	2.710	4.3	October 1, 1999			
Martin Marietta	802446	S10 T14S R4E	Dickinson Co.		2.452	2.535	2.675	3.4	April 1, 2008			
Martin Marietta	802451	S11 T46N R31W	Cass Co. MO		2.539	2.598	2.699	2.3	April 1, 2015		38.81813	94.32591
Martin Marietta	802453	S10 T10N R11E	Cass Co. NE	-3/8 ManSand, 1/4" chips	2.615	2.653	2.719	1.5	July 1, 2006			
Martin Marietta	802458	S35 T01N R12E	Pawnee Co. NE		2.470	2.557	2.705	3.5	October 1, 2013			
Martin Marietta	806001	S16 T18S R16E	Melvern		2.469	2.550	2.721	4.0	October 1, 1999			

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Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Percent	Date Modified	Chat or	Latitude	Longitude
	Producer	Legal Description			(Gsb)	Surf Dry					
Martin Marietta	808502	S29 T32S R08E	Winfield		2.426	2.530	2.690	3.9	October 1, 1999		
Martin Marietta	833901	S07 T13N R69W	Cheyenne, Wy		2.610	2.668	2.772	2.5	December 1, 2004		
Martin Marietta (AKA:Walker)	802318	S28 T13S R04E	Chapman		2.454	2.527	2.662	3.3			
Martin Marietta (AKA:Walker)		S13 T26S R09E	Greenwood Quarry								
Martin Marietta (BFLS)	807301	S36 T50N R34W	Riverside, MO	Dust	2.542	2.605	2.714	2.5	July 1, 2008		
Martin Marietta (CS-2)	802401	S11 T14S R04E	Woodbine		2.418				November 1, 1999		
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	Screenings	2.475	2.559	2.703	3.4	July 1, 2010		37.60303 96.16333
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	Screenings	2.509	2.576	2.689	2.7	June 1, 2008		
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	CS-1(-1"), CS-2, 1/2"chips	2.494	2.582	2.733	3.5	February 1, 2007		37.59893 96.17162
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	1/4" chips	2.410	2.516	2.699	4.4	February 1, 2007		37.59893 96.17162
Martin Marietta (EVCK)	802244	S23 T28S R11E	Elk Co.	mansand	2.450	2.549	2.719	4.0	February 1, 2007		37.59893 96.17162
Martin Marietta (EVCK)	802458	S35 T01N R12E	Pawnee Co. NE		2.443	2.542	2.712	4.1	June 1, 2008		
Martin Marietta (unkwn)	802244	S23 T28S R11E	Elk Co.	1/4" Chips	2.460	2.550	2.705	3.7	May 1, 2016		
Martin Marietta (unkwn)	802244	S23 T28S R11E	Elk Co.	Mansand	2.506	2.585	2.722	3.2	May 1, 2016		
Mc Coy Pit	841201	S27 T04N R23W	Furnas, NE		2.564	2.590	2.638	1.1	September 1, 2002		S
Meier's Sand	806801	S29 T11S R15E	Shawnee Co.		2.596	2.611	2.635	0.6	December 1, 2004		S
Meier's Sand	820601	S23 T11S R16E	Shawnee Co.		2.599	2.610	2.628	0.4	July 1, 2010		S
Meridian Agg.	808701	S20 T02S R05E	Mill Creek, OK		2.634	2.644	2.661	0.4	April 1, 2001		
Meridian Agg.	833902	S13 T02N R18W	Kiowa Co, OK		2.534	2.575	2.641	1.6	April 1, 2001		
Mid-States Materials	843501	S21 T15 R16E	Osage Co.		2.511	2.580	2.696	2.7	December 1, 2004		
Mid-States Materials (EVCK)	802433	S23 T12S R17E	Douglas Co.		2.476	2.556	2.695	3.3	January 1, 2008		
Mid-States Materials (EVCK)	843505	S26 T12S R17E	Douglas Co.		2.492	2.567	2.694	2.5	September 1, 2015		
Mid-States Materials (OWZK)	802433	S23 T12S R17E	Douglas Co.	CS-2	2.520	2.610	2.773	3.6	May 1, 2009		
Mid-States Materials (OZWK)	843505	S26 T12S R17E	Douglas Co.		2.570	2.639	2.769	2.8	September 1, 2015		
Mid-States Materials (RKBF)	843503	S21 T15 R16E	Osage Co.	Mansand	2.621	2.659	2.724	1.5	August 1, 2015		
Mid-States Materials (RKBF)	843505	S26 T12S R17E	Douglas Co.		2.612	2.667	2.765	2.1	September 1, 2015		
Mid-States Materials (SPGH)	803507	S12 T23S R17E	Anderson Co.	-3/4"	2.520	2.596	2.725	3.0	June 1, 2015		38.05424 95.48704
Mid-States Materials (WKRS and BLGM)	800403	S33 T27S R10E	Greenwood Co.		2.472	2.558	2.706	3.5	November 1, 2015		
Mid-States Sand (087)	843901	S04 T26S R01W	Sedgwick Co.		2.608	2.619	2.638	0.4	May 1, 2013		
Midwest Concrete	817102	S16 T10S R10E	Wamego (Wabunsee Co)		2.603						
Midwest Concrete	818601	S31 T10S R08E	Riley Co. (Kaw Sand)		2.623	2.632	2.647	0.4	July 1, 2010		S
Midwest Minerals	801707	S34 T34S R17E	Coffeville		2.460	2.560	2.73	3.9			
Midwest Minerals	801709	S09 T32S R15E	Table Mound		2.550	2.605	2.710	2.3			
Midwest Minerals	801710	S18 T32S R14E	Montgomery Co.		2.518	2.590	2.713	2.9	May 1, 2003		
Midwest Minerals	801712	S27 T30S R15E	Neodesha		2.586	2.640	2.720	1.7			
Midwest Minerals	801713	S13 T27S R16E	Wilson Co.		2.466	2.548	2.692	3.3	May 1, 2003		
Midwest Minerals	801714	S18 T29S R16E	Altoona		2.563						
Midwest Minerals	801715	S02 T28S R15E	Benedict		2.550						
Midwest Minerals	801716	S09 T30N R30W	Barton Co, MO		2.609	2.642	2.697	1.3	December 1, 2002		
Midwest Minerals	801717	S36 T29S R14E	Fredonia		2.550	2.600	2.690	2.1			
Midwest Minerals	801721	S1(12) T28N R23	Ottawa Co., OK		2.430	2.520	2.660	3.7			
Midwest Minerals			South Mound								
Midwest Minerals			Jasper, MO								
Midwest Minerals (CPCK)	801709	S16 T32S R15E	Montgomery Co.		2.544	2.607	2.717	2.5	September 1, 2009		37.26709 95.76585
Midwest Minerals (WNRS)	801708	S22 T31S R17E	Montgomery Co.	Chips, Scrngs, Mansand	2.499	2.576	2.704	3.0	March 1, 2015		37.33814 95.53600
Midwest Minerals (WNRS)	801708	S22 T31S R17E	Montgomery Co.	Chips, Screenings	2.537	2.608	2.711	2.5	October 1, 2011		37.33560 95.53460
Midwest Minerals (WNRS)	801708	S22 T31S R17E	Montgomery Co.	CS-1A	2.567	2.600	2.717	2.8	November 1, 2007		37.33642 95.53547

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Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Percent	Date Modified	Chat or	Latitude	Longitude	
	Producer	Legal Description			(Gsb)	Surf Dry						Apparent
Midwest Minerals (WNRS)	801708	S22 T31S R17E	Montgomery Co.	CS-2	2.473	2.564	2.720	3.7	September 1, 2007		37.33642	95.53547
Midwest Minerals (WNRS)	801708	S22 T31S R17E	Montgomery Co.	Mansand	2.570	2.627	2.726	2.3	September 1, 2007		37.33642	95.53547
Midwest Minerals (WNRS)	801711	S09 T29S R19E	Neosho Co.	Mansand (CS-2)	2.491	2.577	2.724	3.4	November 1, 2010		37.53576	95.32940
Midwest Minerals (WNRS)	801711	S09 T29S R19E	Neosho Co.		2.436	2.537	2.737	4.7	September 1, 2006		37.53553	95.32708
Midwest Minerals (AMRT)	801707	S34 T34S R17E	Montgomery Co.	CS-1, CS-1A, CS-2, MNSND	2.502	2.584	2.726	3.3	August 1, 2010		37.04469	95.52620
Midwest Minerals (BKJG)	801702	S30 T30S R24E	Crawford Co.		2.581	2.630	2.713	1.9	September 1, 2014		37.39924	94.81974
Midwest Minerals (BKJG)	801705	S06 T35S R21E	Labette Co.	1/2 Chips	2.525	2.593	2.709	2.7	April 1, 2013		37.03218	95.15271
Midwest Minerals (BKJG)	801724	S25 T31S R21E	Cherokee Co.		2.508	2.587	2.725	3.2	January 1, 2016		37.31781	95.05955
Midwest Minerals (CPCK)	801709	S09 T32S R15E	Montgomery Co.	CS-1a	2.563	2.625	2.733	2.4	November 1, 2014		37.26981	95.76734
Midwest Minerals (STNR)	801710	S18 T32S R14E	Montgomery Co.		2.567	2.620	2.709	2.1	April 1, 2014		37.25991	95.91144
Midwest Minerals (STNR)	801722	S27 T30S R15E	Wilson Co.	Mansand, screenings	2.558	2.618	2.722	2.3	June 1, 2015		37.41245	95.74935
Midwest Minerals (WRLD)	801707	S34 T34S R17E	Montgomery Co.		2.441	2.540	2.711	4.1	April 1, 2014		37.04494	95.52790
Midwest Minerals (WRLD)	801719	S12 T32S R19E	Labette Co.	Mansand	2.582	2.639	2.737	2.2	February 1, 2015		37.27997	95.28111
Midwest Minerals (WRLD)	801719	S12 T32S R19E	Labette Co.	Chips	2.579	2.627	2.709	1.8	November 1, 2011			
Midwest Minerals (WRLD)	801719	S12 T32S R19E	Labette Co.	Screenings	2.515	2.590	2.719	3.0	December 1, 2007		37.27630	95.27959
Mueller Sand	806302	S07 T03S R05E	Washington Co.		2.590	2.610	2.630	0.7				
Mulberry Limestone			Crawford Co.		2.573	2.640	2.690	1.6				
N.A.P. Co (AMZN)	802439	S28 T59N R35W	Andrew Co. MO	Mansand, Double Washed	2.577	2.643	2.753	2.4	September 1, 2014			
N.A.P. Co (AMZN)	802439	S28 T59N R35W	Andrew Co. MO	Mansand	2.564	2.634	2.753	2.8	September 1, 2014			
N.A.P. Co (AMZN)	802439	S28 T59N R35W	Andrew Co. MO	Screenings	2.534	2.608	2.744	3.2	September 1, 2014			
Nelson Quarries	800106	S24 T28S R20E	Neosho Co.		2.450	2.540	2.700	3.8				
Nelson Quarries	800107	S25 T30S R15E	Wilson Co.		2.570	2.620	2.710	2.1	May 1, 2000			
Nelson Quarries	800110	S36 T27S R15E	Wilson Co.		2.540	2.610	2.720	3.0	May 1, 2000			
Nelson Quarries	800115	S20 T30S R24E	Crawford Co.		2.412	2.523	2.714	4.6				
Nelson Quarries	800117	S15 T31S R17E	Montgomery Co.	CS-1, CS-1A	2.510	2.585	2.714	2.9	September 1, 2003			
Nelson Quarries	800118	S25 T24S R20E	Allen Co.									
Nelson Quarries	800119	S20 T23S R19E	Allen Co.									
Nelson Quarries	800120	S17T25SR24E	Bourbon Co.	CS-2	2.506	2.557	2.678	2.9	July 1, 2001			
Nelson Quarries	800120	S17T25SR24E	Bourbon Co.	CS-1A	2.530	2.586	2.663	1.8	February 1, 2002			
Nelson Quarries	808901	S05 T28N R24E	Ottawa Co., OK		2.420	2.530	2.710	4.5				
Nelson Quarries			Woodson Co.		2.599	2.641	2.715	1.6				
Nelson Quarries (BFLS)	800126	S17 T25S R24E	Bourbon Co.		2.546	2.604	2.701	2.3	September 1, 2007		37.73467	95.06667
Nelson Quarries (HRFD)	800125	S34 T19S R14E	Coffey Co.	-1"	2.507	2.594	2.747	3.5	September 1, 2015		38.35915	95.85081
Nelson Quarries (HRFD)	800125	S34 T19S R14E	Coffey Co.	Mansand, 3/16 Dirt	2.521	2.596	2.727	3.0	June 1, 2013		38.35756	95.85007
Nelson Quarries (LBRD)	800124	S17 T25S R24E	Bourbon Co.	Screenings, mansand, 1/2" ch	2.507	2.573	2.682	2.6	August 1, 2012		37.86800	94.78930
Nelson Quarries (LBRD)	800124	S17 T25S R24E	Bourbon Co.		2.533	2.571	2.668	2.3	July 1, 2007			
Nelson Quarries (RYTN)	800101	S33 T24S R19E	Allen Co.		2.485	2.566	2.704	3.2	November 1, 2014		37.91222	95.32786
Nelson Quarries (SPGH)	805108	S30 T21S R20E	Anderson Co.	Screenings	2.515	2.584	2.699	2.7	February 1, 2011		38.18572	95.25097
Nelson Quarries (STNR)	800110	S36 T27S R15E	Wilson Co.		2.515	2.589	2.716	3.0	September 1, 2009		37.64887	95.71446
Nelson Quarries (TRNT)	801508	S11 T24S R15E	Woodson Co.	CS-2	2.562	2.629	2.745	2.6	October 1, 2004			
Nelson Quarries (TRNT)	801924	S26 T25S R13E	Woodson Co.	Mansand, - 1/2"	2.531	2.607	2.739	3.0	October 1, 2015			
Nickerson Sand			Reno Co.		2.590							
Olathe Aggregates	831101	S16 T14S R23E	Johnson Co. KS		2.549	2.610	2.700	3.0				
Overton Sand & Gravel			Overton, NE		2.601	2.610	2.625	0.4				
Paulsen	824501	S20 T09N R21W	Lexington NE		2.593	2.619	2.623	0.1				
Paulsen Sand & Gr.	824301	S19 T03N R30W	Red Willow Co., NE		2.599	2.613	2.637	0.6	March 1, 2001	S		
Paulsen Sand & Gr.	824503	S13 T03N R28W	Red Willow Co., NE		2.569	2.589	2.615	0.6	January 1, 2010	S	40.22425	100.42759

## May 2018 LETTING PROCEDURE II SPECIFIC GRAVITIES

Producer	CMS ID		Location	Products	Bulk Dry	Saturated	Apparent	Percent Absorp	Date Modified or Verified	Chat or SSG	Latitude	Longitude
	Producer	Legal Description			(Gsb)	Surf Dry						
Penny's Conc. (CPCK)	800309	S23 T16S R20E	Franklin Co.		2.499	2.580	2.715	3.2	August 1, 2012		38.64124	95.15901
Penny's Conc. (SPGH)	800309	S23 T16S R20E	Franklin Co.	Dust	2.475	2.567	2.726	3.7	April 1, 2013		38.64138	95.15871
Penny's Conc. (STNR)	800309	S23 T16S R20E	Franklin Co.		2.463	2.547	2.690	3.4	February 1, 2012		38.64302	95.15793
Pioneer	823601	S9/13BLKCKB-3	Borger TX		2.520							
Pioneer (Western S & G)	826601	S69-BLK G&M	Boys Ranch, TX		2.606							
Popejoy Const.	812809	S03 T25S R36W	Kearny Co.		2.581	2.600	2.630	0.7				
Popejoy Const., Inc.	812809	S03 T25S R36W	Kearny Co.		2.599	2.615	2.641	0.6	December 1, 2004	S		
Popejoy Const., Inc.	812822	S28 T03S R40W	Cheyenne Co.		2.592	2.610	2.639	0.7	August 1, 2007	S	39.76946	-101.82031
Poudre-Tech	832901	S28 T06N R67W	Windsor, Co		2.580	2.620	2.680					
Quik Sand	820101	S30 T26S R01E	Sedgewick Co.		2.600	2.618	2.634	0.4	September 1, 2002	S		
Quik Sand	820103	S23 T26S R01W	Sedgewick Co.		2.590	2.609	2.640	0.6	August 1, 2006	S		
Quik Sand	820104	S34 T28S R01E	Sedgewick Co.		2.596	2.611	2.636	0.6	August 1, 2006	S		
Randall Sand			Ford, KS		2.592							
Ritchie Sand	819301	S35 T26S R01W	Sedgewick Co.		2.588	2.610	2.640	0.9	December 1, 2002	S		
Sedan Limestone	801601	S33 T33S R11E	Chautauqua Co.		2.570							
Shaffer Pit (Venture Corp)		S26 T14S R13W	Russell Co.		2.634	2.640	2.649	0.2	September 1, 2000			
Shawnee Rock (Argentine Ledge)	803705	S10 T14S R23E	Johnson Co.		2.552	2.614	2.720	2.4	April 1, 2005			
Shawnee Rock (Argentine Ledge)	803706	S12 T12S R23E	Johnson Co.		2.477	2.562	2.709	3.5	May 1, 2005			
Shawnee Rock (ARGN Ledge)	803705	S10 T14S R23E	Johnson Co.	Dust	2.555	2.621	2.744	2.6	September 1, 2008		38.85213	94.84732
Shawnee Rock (Captains Creek Ledge)	803705	S10 T14S R23E	Johnson Co.		2.529	2.604	2.735	3.0	June 1, 2003			
Shawnee Rock (CPCK Ledge)	803705	S10 T14S R23E	Johnson Co.		2.543	2.607	2.716	2.5	October 1, 2009		38.85159	94.84868
Shawnee Rock (CPCK Ledge)	803705	S10 T14S R23E	Johnson Co.		2.486	2.568	2.708	3.3	November 1, 2006		38.85113	94.84512
Shawnee Rock (DRUM Ledge)	803701	S01 T12S R23E	Johnson Co.		2.524	2.605	2.748	3.2	August 1, 2009		39.02871	94.80701
Shawnee Rock (Farley Ledge)	803705	S10 T14S R23E	Johnson Co.		2.568	2.625	2.713	2.1	September 1, 2007		38.85158	94.84464
Shawnee Rock (LFRLY Ledge)	803701	S01 T12S R23E	Johnson Co.	Dust	2.510	2.595	2.745	3.4	September 1, 2008		39.02928	94.80807
Shawnee Rock (RYTN Ledge)	803701	S01 T12S R23E	Johnson Co.		2.545	2.613	2.732	2.7	October 1, 2006			
Shawnee Rock (RYTN Ledge)	803703	S06 T12S R24E	Johnson Co.		2.567	2.628	2.734	2.4	May 1, 2004			
Shawnee Rock (Springhill Ledge)	803705	S10 T14S R23E	Johnson Co.	Dust	2.471	2.570	2.745	4.0	May 1, 2007		38.85145	94.84608
Shawnee Rock (STNR Ledge)	803705	S10 T14S R23E	Johnson Co.		2.492	2.565	2.688	2.9	July 1, 2006		38.85153	94.84715
Shawnee Rock (Stoner Ledge)	803705	S10 T14S R23E	Johnson Co.		2.488	2.568	2.704	3.2	January 1, 2002			
Shawnee Rock (UFRLY Ledge)	803701	S01 T12S R23E	Johnson Co.	Dust	2.524	2.601	2.735	3.1	June 1, 2007		39.02944	94.80856
Shawnee Rock (UFRLY Ledge)	803701	S01 T12S R23E	Johnson Co.		2.561	2.617	2.715	2.2	February 1, 2004			
Shawnee Rock Argentine Ledge			Olathe, KS		2.521	2.600	2.730	3.0				
Shawnee Rock Farley Ledge			Olathe, KS		2.496	2.582	2.730	3.4				
Smith Sand	810503	S14 T24S R33W	Finney Co.		2.609	2.618	2.635	0.4	January 1, 2000	S		
Smith Sand	810506	S14 T24S R37W	Kearny Co.		2.607	2.621	2.645	0.5	April 1, 2002	S		
Smith Sand	810516	S30 T23S R42W	Hamilton Co.		2.574	2.616	2.674	1.5	April 1, 2003	S		
Sober Sand	843701	S25 T26N R02E	Kay Co. OK		2.598	2.611	2.633	0.5	July 1, 2007	S		
Southeast Sand	817801	S20 T23S R05W	Reno Co.		2.585	2.610	2.640	0.9				
Southway	835201	S07 T26N R36E	Clayton NM		2.783	2.862	2.942	2.1	March 1, 2003			
Springfield Underground (BLTN)	807001	S10 T29N R21W	Greene Co. MO		2.629	2.654	2.695	0.9	June 1, 2011		93.22149	37.22456
Sterling Sand	818301	S04 T22S R08W	Rice Co.		2.602							
Stone Sand	810201	S32 T19S R13W	Barton Co.		2.603	2.612	2.627	0.3	January 1, 2000	S		
Sunflower Sand	818101	S23 T21S R09W	Rice Co.		2.590	2.610	2.630	0.6	January 1, 2000	S		
T&F Sand/Gravel	824902	S08 T08N R18W	Buffalo Co. NE		2.598	2.614	2.643	0.7	October 1, 2009	S		
TXI (Martin-Marietta)	840402	S26 T02S R04E	Johnston Co., OK		2.810	2.826	2.857	0.6	February 1, 2013			
Venture	610109	S07 T32S R11W	Barber Co.		2.595	2.610	2.634	0.6	February 1, 2005	S	37.28160	98.56049

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	Producer	Legal Description			(Gsb)	Surf Dry						
Venture	808317	S24 T13S R40W	Wallace Co.		2.588	2.609	2.643	0.8	March 1, 2004	S		
Venture	810119	S32 T14S R23W	Trego Co.		2.616	2.629	2.649	0.5	May 1, 2006	S	38.79394	99.89434
Venture	810120	S15 T29S R15W	Pratt Co.		2.608	2.631	2.669	0.9	April 1, 2012	S		
Versatile Construction	848201	S17 T35N R26W	Union Co. NM		2.797	2.587	2.975	2.1	April 1, 2016			
VJ Stone	844601	S25 T06N R14W	Kiowa Co.		2.648	2.678	2.729	1.1	March 1, 2008			
Wade Limestone	805004	S28 T18S R25E	Miami Co.		2.497	2.520	2.690	4.1				
Wade Limestone	805007	S32 T19S R23E	Linn Co.		2.464	2.558	2.718	3.8	December 1, 2002			
Wade Limestone		S01 T13S R18E	Douglas Co.									
Wade Limestone (BFLS)	805009	S20 T19S R25E	Linn Co.		2.477	2.581	2.767	4.2	April 1, 2005		38.37882	94.67535
Wade Limestone (WNRS)	805002	S20 T19S R25E	Linn Co.	CS-1A, CS-2, Mansand	2.496	2.576	2.713	3.2	December 1, 2014		38.37638	94.67629
Wade Limestone (WNRS)	805007	S32 T19S R23E	Linn Co.	CS-1A	2.550	2.610	2.715	2.4	May 1, 2016		38.35178	94.89546
Wade Limestone (WNRS)	805007	S32 T19S R23E	Linn Co.	Screenings	2.497	2.573	2.701	3.0	May 1, 2016		38.35178	94.89546
Wade Quarries (SPGH)	805011	S16 T20S R20E	Anderson Co.	-3/8" chip	2.439	2.548	2.727	4.5	August 1, 2012		38.31148	95.20013
Wamego Sand		S33 T10S R07E	Riley Co.		2.587	2.610	2.650	0.9				
Warner			Hastings, NE									
Wes-Kan Construction	808303	S30 T15S R18W	Ellis Co.		2.600	2.615	2.640	0.6				
Western Resources			St. Mary's Bottom Ash		2.469	2.606	2.883	6.0				
Whitaker	800205	S12 T34S R07E	Cowley Co.		2.558	2.612	2.705	2.1	August 1, 2015			
Whitaker	800205	S12 T34S R07E	Cowley Co.	Buckshot	2.506	2.583	2.716	3.1	August 1, 2009			
Whitaker	800205	S12 T34S R07E	Cowley Co.	Screenings/buckshot	2.470	2.552	2.691	3.4	June 1, 2006			
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-1A	2.503	2.570	2.682	2.6	June 1, 2015			
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-2	2.445	2.548	2.725	4.2	June 1, 2015			
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-1A, CS-2A,CS-2	2.482	2.565	2.706	3.3	May 1, 2010			
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-2	2.454	2.546	2.696	3.6	March 1, 2007		37.25346	96.53782
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-1A	2.544	2.598	2.692	2.2	March 1, 2007		37.25346	96.53782
Whitaker	802444	S21 T32S R08E	Cowley Co.	CS-2A	2.538	2.593	2.687	2.2	March 1, 2007		37.25346	96.53782
Whitaker	847201	S20 T32S R08E	Cowley Co.		2.506	2.573	2.686	2.6	June 1, 2012			
Whitaker (CPK/SP)	800201	S01 T20S R19E	Anderson Co.	mansand	2.473	2.563	2.716	3.6	September 1, 2012		38.34611	95.25411
Whitaker (Mound City) BFLS Ledge	800208	S19 T22S R24E	Linn Co.	Mansand, Screenings	2.491	2.561	2.678	2.8	October 1, 2013		38.11569	94.81990
Whitaker (SNBD/ST)	800304	S32 T21S R19E	Anderson Co.	Mansand	2.551	2.605	2.696	2.1	February 1, 2015		38.17306	95.22595
White			Kanopolis		2.591	2.616	2.656	0.9				
Whitfield Sand	813411	S20 T21S R07W	Rice Co.		2.604	2.619	2.644	0.6	February 1, 2002	S		
Whitfield Sand			Pratt Pit		2.620							
Whitfield Sand			Sawyer Pit		2.600							
Whitfield Sand (Shears/Ventures)		S20 T21S R15W	Pawnee County		2.605	2.616	2.634	0.4				
Whitney Sand & Gr.	824402	S32 T03N R32W	Hitchcock Co, NE		2.570	2.590	2.620	0.8				
Ysidro Sand	847401	S25T29SR01E	Sedgwick County		2.599	2.613	2.636	0.6	March 1, 2013	S		