STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 7.46 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH_threaded couplings

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 17.94 FT.

END CAP 0.15 FT.

BOTTOM OF BORING 23.01 FT. BELOW GRADE.

BOTTOM OF WELL 25.55 FT. BELOW T.O.C.

DATE INSTALLED 10/21/2014
DATE DEVELOPED 10/30/2014

SURFACE ELEVATION 792.74 FT.
TOP OF CASING (T.O.C.) ELEVATION 795.41 FT.

4.65 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE (3/8" CHIPS)

19.01 FT. FORMATION SAND WELL PACK

MW-144
MONITORING WELL CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 795.74 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 7.59 FT.

2.00 FT.

2.00 FT. BENTONITE
(3/8" CHIPS)

14.06 FT. FROM T.O.C.
WATER LEVEL MEASURED
ON 11/3/2014

2.00 FT.

LENGTH OF
SCREEN 22.96 FT.

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)

23.84 FT. FORMATION
SAND WELL PACK

END CAP 0.15 FT.

BOTTOM OF BORING 28.00 FT.
BELOW GRADE.

BOTTOM OF WELL 30.70 FT.
BELOW T.O.C.

DATE INSTALLED 10/16/2014
DATE DEVELOPED 10/30/2014

SURFACE
ELEVATION 792.74 FT.

BOTTOM OF WELL PACK

NOT TO SCALE

MW-145
MONITORING WELL
CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 795.40 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 6.91 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 18.90 FT.

END CAP 0.15 FT.

13.16 FT. FROM T.O.C. WATER LEVEL MEASURED ON 11/3/2014

2.50 FT. BENTONITE (3/8" CHIPS)

18.86 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 24.50 FT.
BELOW GRADE.

BOTTOM OF WELL 25.96 FT.
BELOW T.O.C.

DATE INSTALLED 10/16/2014
DATE DEVELOPED 10/30/2014

MONITORING WELL CONSTRUCTION DIAGRAM

MW-146
TOP OF CASING (T.O.C.)
ELEVATION 795.60 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 8.60 FT.
2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 20.00 FT.

END CAP 0.46 FT.

12.81 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.50 FT. BENTONITE (3/8" CHIPS)

22.48 FT. FORMATION SAND WELL PACK

DATE INSTALLED 10/21/2014
DATE DEVELOPED 10/30/2014

BOTTOM OF BORING 26.50 FT.
BELOW GRADE.

BOTTOM OF WELL 29.06 FT.
BELOW T.O.C.

NOT TO SCALE

SURFACE ELEVATION 794.05 FT.

BOTTOM OF BORING 26.50 FT.
BELOW GRADE.

BOTTOM OF WELL 29.06 FT.
BELOW T.O.C.

NOT TO SCALE

MW-147
MONITORING WELL CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 832.09 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 8.19 FT.

2.0 IN. DIA. SCHD. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 22.41 FT.

END CAP 0.15 FT.

BOTTOM OF BORING 27.50 FT.
BELOW GRADE.

BOTTOM OF WELL 30.75 FT.
BELOW T.O.C.

DATE INSTALLED 10/20/2014
DATE DEVELOPED 10/29/2014

MONITORING WELL CONSTRUCTION DIAGRAM

SUNFACE ELEVATION 828.80 FT.
TOP OF CASING (T.O.C.)
ELEVATION 832.09 FT.
TOP OF CASING (T.O.C.)
ELEVATION 822.49 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

PVC CASING 13.35 FT.

2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 14.96 FT.

END CAP 0.15 FT.

25.25 FT. FROM T.O.C. WATER LEVEL MEASURED ON 11/3/2014

11.00 FT. BENTONITE (3/8" CHIPS)

15.81 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 30.00 FT. BELOW GRADE.

BOTTOM OF WELL 28.46 FT. BELOW T.O.C.

DATE INSTALLED 10/22/14
DATE DEVELOPED 10/29/14

MW-149
MONITORING WELL CONSTRUCTION DIAGRAM

NOT TO SCALE
STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 13.13 FT.
2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 14.92 FT.

END CAP 0.15 FT.

21.54 FT. FROM T.O.C. WATER LEVEL MEASURED ON 11/3/2014

9.00 FT. BENTONITE (3/8" CHIPS)

17.40 FT. FORMATION SAND WELL PACK

DATE INSTALLED 10/22/14
DATE DEVELOPED 10/30/14

BOTTOM OF BORING 28.00 FT. BELOW GRADE.

BOTTOM OF WELL 28.20 FT. BELOW T.O.C.

MW-150
MONITORING WELL CONSTRUCTION DIAGRAM

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SURFACE
ELEVATION 820.41 FT.

TOP OF CASING (T.O.C.)
ELEVATION 819.89 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 14.09 FT.

2.00 FT.

22.92 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

10.50 FT. BENTONITE
(3/8" CHIPS)

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)

LENGTH OF SCREEN 14.86 FT.

17.05 FT. FORMATION SAND WELL PACK

END CAP 0.15 FT.

BOTTOM OF BORING 29.50 FT.
BELOW GRADE.

BOTTOM OF WELL 29.10 FT.
BELOW T.O.C.

DATE INSTALLED 10/22/2014

DATE DEVELOPED 10/30/2014

MW-151
MONITORING WELL CONSTRUCTION DIAGRAM

NOT TO SCALE
SURFACE ELEVATION 815.18 FT
TOP OF CASING (T.O.C.) ELEVATION 814.83 FT.

DATE INSTALLED 10/17/14
DATE DEVELOPED 10/31/14

PVC CASING 9.75 FT.
2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)
LENGTH OF SCREEN 12.88 FT.
END CAP 0.15 FT.

17.55 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014
6.00 FT. BENTONITE (3/8" CHIPS)
15.08 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 23.00 FT.
BELOW GRADE.
BOTTOM OF WELL 22.78 FT.
BELOW T.O.C.

NOT TO SCALE
STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

PVC CASING 5.96 FT.
2.00 FT.

8.58 FT. FROM T.O.C.
WATER LEVEL MEASURED
ON 11/3/2014

2.00 FT. BENTONITE
(3/8" CHIPS)

8.58 FT. FROM T.O.C.
WATER LEVEL MEASURED
ON 11/3/2014

2.00 FT. BENTONITE
(3/8" CHIPS)

14.31 FT. FORMATION
SAND WELL PACK

LENGTH OF
SCREEN 11.90 FT.

END CAP 0.15 FT.

BOTTOM OF BORING 18.00 FT.
BELOW GRADE.

BOTTOM OF WELL 18.01 FT.
BELOW T.O.C.
TOP OF CASING (T.O.C.)
ELEVATION 807.16 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

PVC CASING 4.75 FT.
2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)
LENGTH OF SCREEN 14.92 FT.

END CAP 0.15 FT.

14.35 FT. FROM T.O.C. WATER LEVEL MEASURED ON 11/3/2014
2.00 FT. BENTONITE (3/8" CHIPS)

16.22 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 20.00 FT. BELOW GRADE.
BOTTOM OF WELL 19.82 FT. BELOW T.O.C.

DATE INSTALLED 10/23/14
DATE DEVELOPED 10/30/14

MW-154
MONITORING WELL CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 808.49 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

PVC CASING 9.79 FT.
2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)
LENGTH OF SCREEN 14.46 FT.
END CAP 0.15 FT.

18.41 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014
6.00 FT. BENTONITE (3/8" CHIPS)

16.80 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 24.50 FT.
BELOW GRADE.

BOTTOM OF WELL 24.40 FT.
BELOW T.O.C.

DATE INSTALLED 10/23/14
DATE DEVELOPED 10/30/14

MW-156
MONITORING WELL CONSTRUCTION DIAGRAM

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 811.96 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

2.00 FT.

PVC CASING 9.26 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 14.92 FT.

15.73 FT. FORMATION SAND WELL PACK

7.00 FT. BENTONITE (3/8" CHIPS)

19.67 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

SURFACE ELEVATION 812.51 FT.

BOTTOM OF BORING 24.75 FT.
BELOW GRADE.

BOTTOM OF WELL 24.33 FT.
BELOW T.O.C.

DATE INSTALLED 10/23/14
DATE DEVELOPED 10/31/14

NOT TO SCALE

MW-157
MONITORING WELL CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 811.80 FT.

SURFACE
ELEVATION 812.28 FT.

DATE INSTALLED 10/23/14
DATE DEVELOPED 10/31/14

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

PVC CASING 11.01 FT.
2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

LENGTH OF SCREEN 14.90 FT.

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

END CAP 0.15 FT.

19.52 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

6.00 FT. BENTONITE (3/8" CHIPS)

18.36 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 26.50 FT.
BELOW GRADE.

BOTTOM OF WELL 26.06 FT.
BELOW T.O.C.

DATE INSTALLED 10/23/14
DATE DEVELOPED 10/31/14

MW-158
MONITORING WELL CONSTRUCTION DIAGRAM

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 807.65 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

DATE INSTALLED 10/24/14
DATE DEVELOPED 10/31/14

PVC CASING 9.19 FT.
2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH Threaded COUPLINGS

LENGTH OF SCREEN 10.00 FT.
END CAP 0.46 FT.

4.50 FT. BENTONITE (3/8" CHIPS)

12.40 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 19.80 FT.
BELOW GRADE.

BOTTOM OF WELL 19.65 FT.
BELOW T.O.C.

NOT TO SCALE

SURFACE ELEVATION 808.10 FT.
TOP OF CASING (T.O.C.) ELEVATION 807.65 FT.

MW-159
MONITORING WELL CONSTRUCTION DIAGRAM
SURFACE ELEVATION 808.03 FT.
TOP OF CASING (T.O.C.) ELEVATION 810.39 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 8.35 FT.

2.00 FT.

14.76 FT. FROM T.O.C. WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE (3/8" CHIPS)

16.58 FT. FORMATION SAND WELL PACK

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 14.88 FT.

END CAP 0.15 FT.

BOTTOM OF BORING 21.00 FT. BELOW GRADE.

BOTTOM OF WELL 23.38 FT. BELOW T.O.C.

DATE INSTALLED 10/15/2014
DATE DEVELOPED 10/31/2014

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 809.83 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 6.96 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 14.90 FT.

15.76 FT. FORMATION SAND WELL PACK

END CAP 0.15FT.

SURFACE ELEVATION 807.80 FT.

TOP OF CASING (T.O.C.)
ELEVATION 809.83 FT.

13.96 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE (3/8" CHIPS)

BOTTOM OF BORING 20.40 FT.
BELOW GRADE.

BOTTOM OF WELL 22.01 FT.
BELOW T.O.C.

DATE INSTALLED 10/15/2014
DATE DEVELOPED 10/31/2014

MW-161
MONITORING WELL
CONSTRUCTION DIAGRAM

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 805.09 FT.

DATE INSTALLED 10/21/14
DATE DEVELOPED 10/30/14

BOTTOM OF BORING 16.50 FT.
BELOW GRADE.

BOTTOM OF WELL 15.78 FT.
BELOW T.O.C.

NOT TO SCALE

SURFACE
ELEVATION 805.48 FT.

9.66 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE
(3/8" CHIPS)

12.23 FT. FORMATION SAND WELL PACK

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)

LENGTH OF SCREEN 11.40 FT.

END CAP 0.15 FT.

2.00 FT.

PVC CASING 4.23 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

2014 BURNS & McDONNELL ENGINEERING COMPANY, INC.
Pw: Kansas Dept of Health & Environment\Project Numbers/ 80435 KDHE NEOIDESHA REFINERY\Cad\Figures \ 80435-FLUSH MOUNT WELL DIAGRAM-162.dwg TDUCKER December 22, 2014
TOP OF CASING (T.O.C.)
ELEVATION 804.96 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 5.26 FT.
2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 10.80 FT.

END CAP 0.15 FT.

2.00 FT. BENTONITE (3/8" CHIPS)

9.46 FT. FROM T.O.C. WATER LEVEL MEASURED ON 11/3/2014

12.41 FT. FORMATION SAND WELL PACK

SURFACE ELEVATION 805.19 FT.

BOTTOM OF BORING 16.50 FT.
BELOW GRADE.

BOTTOM OF WELL 16.21 FT.
BELOW T.O.C.

DATE INSTALLED 10/21/14
DATE DEVELOPED 10/31/14

NOT TO SCALE

MW-163
MONITORING WELL CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 809.91 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 7.56 FT.
2.00 FT.
14.21 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014
2.50 FT. BENTONITE
(3/8" CHIPS)

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)

LENGTH OF SCREEN 12.90 FT.

END CAP 0.15 FT.

BOTTOM OF BORING 19.50 FT.
BELOW GRADE.

BOTTOM OF WELL 20.61 FT.
BELOW T.O.C.

DATE INSTALLED 10/15/2014
DATE DEVELOPED 10/31/2014

SURFACE ELEVATION 807.54 FT.

BOTTOM OF WELL PACK
13.76 FT. FORMATION SAND WELL PACK

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 812.42 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 9.30 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 14.92 FT.

END CAP 0.15 FT.

15.20 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

3.00 FT. BENTONITE (3/8" CHIPS)

17.12 FT. FORMATION SAND WELL PACK

DATE INSTALLED 10/15/2014
DATE DEVELOPED 10/31/2014

BOTTOM OF BORING 22.00 FT.
BELOW GRADE.

BOTTOM OF WELL 24.37 FT.
BELOW T.O.C.

NOT TO SCALE

MW-165
MONITORING WELL CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 808.69 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

PVC CASING 4.51 FT.
2.00 FT.

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)
LENGTH OF SCREEN 13.94 FT.

END CAP 0.15 FT.

10.68 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE
(3/8" CHIPS)

15.00 FT. FORMATION SAND WELL PACK

DATE INSTALLED 10/20/14
DATE DEVELOPED 10/30/14

BOTTOM OF BORING 19.00 FT.
BELOW GRADE.

BOTTOM OF WELL 18.60 FT.
BELOW T.O.C.

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 806.80 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 7.80 FT.

2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 8.90 FT.

END CAP 0.15 FT.

6.92 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE (3/8" CHIPS)

10.29 FT. FORMATION SAND WELL PACK

SURFACE ELEVATION 804.28 FT.
TOP OF CASING (T.O.C.) ELEVATION 806.80 FT.

BOTTOM OF BORING 14.00 FT.
BELOW GRADE.

BOTTOM OF WELL 16.85 FT.
BELOW T.O.C.

DATE INSTALLED 10/16/2014
DATE DEVELOPED 10/30/2014

MONITORING WELL CONSTRUCTION DIAGRAM

MW-167

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 805.74 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

PVC CASING 5.73 FT.
2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREAD COUPLINGS
NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)
LENGTH OF SCREEN 10.00 FT.
END CAP 0.45 FT.

11.38 FT. FORMATION SAND WELL PACK
3.00 FT. BENTONITE (3/8" CHIPS)
7.69 FT. FROM T.O.C.
WATER LEVEL MEASURED 11/3/2014

BOTTOM OF BORING 17.00 FT.
BELOW GRADE.
BOTTOM OF WELL 16.18 FT.
BELOW T.O.C.

SURFACE ELEVATION 806.08 FT.

DATE INSTALLED 10/14/2014
DATE DEVELOPED 10/30/2014

MW-168
MONITORING WELL CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 803.60 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

2.00 FT.

3.38 FT. FROM T.O.C.
WATER LEVEL MEASURED
ON 11/3/2014

2.00 FT. BENTONITE
(3/8" CHIPS)

PVC CASING 4.70 FT.

2.0 IN. DIA. SCHED. 40 PVC
CASING WITH FLUSH
THREADED COUPLINGS

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)

LENGTH OF SCREEN 9.50 FT.

END CAP 0.45 FT.

10.60 FT. FORMATION
SAND WELL PACK

DATE INSTALLED 10/20/14
DATE DEVELOPED 10/30/14

BOTTOM OF BORING 14.50 FT.
BELOW GRADE.

BOTTOM OF WELL 14.35 FT.
BELOW T.O.C.

NOT TO SCALE

SURFACE
ELEVATION 803.95 FT.

TOP OF CASING (T.O.C.)
ELEVATION 803.60 FT.

2.00 FT.

3.38 FT. FROM T.O.C.
WATER LEVEL MEASURED
ON 11/3/2014

2.00 FT. BENTONITE
(3/8" CHIPS)

PVC CASING 4.70 FT.

2.0 IN. DIA. SCHED. 40 PVC
CASING WITH FLUSH
THREADED COUPLINGS

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)

LENGTH OF SCREEN 9.50 FT.

END CAP 0.45 FT.

10.60 FT. FORMATION
SAND WELL PACK

DATE INSTALLED 10/20/14
DATE DEVELOPED 10/30/14

BOTTOM OF BORING 14.50 FT.
BELOW GRADE.

BOTTOM OF WELL 14.35 FT.
BELOW T.O.C.

NOT TO SCALE

MW-169
MONITORING WELL
CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 807.63 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 7.68 FT.
2.00 FT.

2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 9.45 FT.

END CAP 0.15FT.

5.66 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE (3/8" CHIPS)

10.82 FT. FORMATION SAND WELL PACK

SURFACE ELEVATION 805.06 FT.

BOTTOM OF BORING 14.50 FT.
BELOW GRADE.

BOTTOM OF WELL 17.28 FT.
BELOW T.O.C.

DATE INSTALLED 10/20/2014
DATE DEVELOPED 10/30/2014

NOT TO SCALE

MW-170
MONITORING WELL
CONSTRUCTION DIAGRAM
TOP OF CASING (T.O.C.)
ELEVATION 807.02 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 7.33 FT.

2.00 FT.

5.17 FT. FROM T.O.C.
WATER LEVEL MEASURED
ON 11/3/2014

2.00 FT. BENTONITE
(3/8" CHIPS)

6.41 FT. FORMATION
SAND WELL PACK

LENGTH OF
SCREEN 5.41 FT.

NO. 20-SLOT SCREEN
(0.020-INCH OPENINGS)

END CAP 0.15FT.

BOTTOM OF BORING 10.50 FT.
BELOW GRADE.

BOTTOM OF WELL 12.89 FT.
BELOW T.O.C.

DATE INSTALLED 10/21/2014
DATE DEVELOPED 10/29/2014

NOT TO SCALE

SURFACE
ELEVATION 804.82 FT.

TOP OF BORING 10.50 FT.
BELOW GRADE.

BOTTOM OF WELL 12.89 FT.
BELOW T.O.C.

MONITORING WELL
CONSTRUCTION DIAGRAM

PW: Kansas Dept of Health & Environment
Project Numbers: 80435 KDHE NEODESHA REFINERY
Cadfil Figures: \ 80435-STICK WELL DIAGRAM-171.dwg
TDUCKER December 22, 2014
TOP OF CASING (T.O.C.)
ELEVATION 821.10 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP
CONCRETE WELL PAD

PVC CASING 4.87 FT.
2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 17.91 FT.

END CAP 0.15 FT.

BOTTOM OF BORING 23.00 FT.
BELOW GRADE.

BOTTOM OF WELL 22.93 FT.
BELOW T.O.C.

DATE INSTALLED 10/20/14
DATE DEVELOPED 10/29/14

SURFACE ELEVATION 821.40 FT.

2.00 FT.
4.80 FT. FROM T.O.C.
WATER LEVEL MEASURED ON 11/3/2014

2.00 FT. BENTONITE (3/8" CHIPS)

19.17 FT. FORMATION SAND WELL PACK

DATE INSTALLED 10/20/14
DATE DEVELOPED 10/29/14

MONITORING WELL CONSTRUCTION DIAGRAM

MW-172

NOT TO SCALE
TOP OF CASING (T.O.C.)
ELEVATION 809.06 FT.

STEEL PROTECTIVE COVER
LOCKING WATERTIGHT CAP

CONCRETE WELL PAD

PVC CASING 9.10 FT.
2.0 IN. DIA. SCHED. 40 PVC CASING WITH FLUSH THREADED COUPLINGS

NO. 20-SLOT SCREEN (0.020-INCH OPENINGS)

LENGTH OF SCREEN 12.75 FT.

END CAP 0.15 FT.


2.00 FT. BENTONITE (3/8" CHIPS)

15.49 FT. FORMATION SAND WELL PACK

BOTTOM OF BORING 19.00 FT. BELOW GRADE.

BOTTOM OF WELL 22.00 FT. BELOW T.O.C.

DATE INSTALLED 10/16/2014
DATE DEVELOPED 10/30/2014

SURFACE ELEVATION 806.60 FT.

MONITORING WELL CONSTRUCTION DIAGRAM

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