

WELL SAMPLING FIELD INFORMATION FORM

SITE/PROJECT NAME:

Wilmuth N°1

JOB#

074937-4AS00

SAMPLE ID:

W-074937-050417-TW-JW

WELL#

TempWell-TW

WELL PURGING INFORMATION

5/4/17

PURGE DATE
(MM DD YY)

5/4/17

SAMPLE DATE
(MM DD YY)

0945

SAMPLE TIME
(24 HOUR)

WATER VOL. IN CASING
(GALLONS)

ACTUAL VOL. PURGED
(GALLONS)

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT.....DEDICATED Y

N

(CIRCLE ONE)

SAMPLING EQUIPMENT.....DEDICATED Y

N

(CIRCLE ONE)

PURGING DEVICE

A

A - SUBMERSIBLE PUMP

D - GAS LIFT PUMP

G - BAILER

X=

B - PERISTALTIC PUMP

E - PURGE PUMP

H - WATERRA®

PURGING DEVICE OTHER (SPECIFY)

SAMPLING DEVICE

C

C - BLADDER PUMP

F - DIPPER BOTTLE

X - OTHER

X=

SAMPLING DEVICE OTHER (SPECIFY)

PURGING MATERIAL

A

A - TEFLON

D - PVC

X=

B - STAINLESS STEEL

E - POLYETHYLENE

PURGING MATERIAL OTHER (SPECIFY)

SAMPLING MATERIAL

E

C - POLYPROPYLENE

X - OTHER

X=

SAMPLING MATERIAL OTHER (SPECIFY)

PURGE TUBING

A - TEFLON

D - POLYPROPYLENE

G - COMBINATION
TEFLON/POLYPROPYLENE

X=

B - TYGON

E - POLYETHYLENE

PURGE TUBING OTHER (SPECIFY)

SAMPLING TUBING

C - ROPE

F - SILICONE

X - OTHER

X=

SAMPLING TUBING OTHER (SPECIFY)

FILTERING DEVICES 0.45

A - IN-LINE DISPOSABLE

B - PRESSURE

Lab filtered

FIELD MEASUREMENTS

DEPTH TO WATER

9.9

(feet)

WELL ELEVATION

NA

(feet)

WELL DEPTH

19.9

(feet)

GROUNDWATER ELEVATION

NA

(feet)

TEMPERATURE

pH

TDS

SC

DO

ORP

VOLUME

13.8 (°C) 7.5 (std) 1532 (g/L) 3060 (µS/cm) (mg/L) (mV) 30 (gal)

13.4 (°C) 7.38 (std) 1462 (g/L) 2922 (µS/cm) (mg/L) (mV) 35 (gal)

13.2 (°C) 7.34 (std) 1431 (g/L) 2853 (µS/cm) (mg/L) (mV) 38 (gal)

13.1 (°C) 7.34 (std) 1411 (g/L) 2824 (µS/cm) (mg/L) (mV) 40 (gal)

(°C) (std) (g/L) (µS/cm) (mg/L) (mV) (gal)

FIELD COMMENTS

SAMPLE APPEARANCE:

sl. opaque

ODOR:

COLOR:

sl. clay/milky

SHEEN Y/N

WEATHER CONDITIONS:

TEMPERATURE

80's

WINDY Y/N

N

PRECIPITATION Y/N (IF Y TYPE)

N

SPECIFIC COMMENTS:

Well is temporary well. Installed and sampled and plugged/abandoned same day. Well developed by pumping with submersible monsoon pump. Parameters collected after 1st ~30 gal of development. Water cleared from dr/c brn. to lt. brn to sl. milky in appearance. Sample collected from decontaminated tubing w/ concurrence of AMOCO onsite

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CRA PROTOCOLS

DATE

5/4/17

PRINT

Jeff Walker

SIGNATURE

Jeff Walker

WELL SAMPLING FIELD INFORMATION FORM

SITE/PROJECT NAME:

SAMPLE ID:

Wilmuth No. 1

W-074937-0504-17-MW1-JW

JOB#

074937-4A500

WELL#

MW-1

WELL PURGING INFORMATION

5/4/17

PURGE DATE
(MM DD YY)

5/4/17

SAMPLE DATE
(MM DD YY)

1435

SAMPLE TIME
(24 HOUR)

4.36

WATER VOL. IN CASING
(GALLONS)

8.75

ACTUAL VOL. PURGED
(GALLONS)

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT.....DEDICATED Y ☒ N

(CIRCLE ONE)

SAMPLING EQUIPMENT.....DEDICATED Y ☐ N

(CIRCLE ONE)

PURGING DEVICE

☒

A - SUBMERSIBLE PUMP

D - GAS LIFT PUMP

G - BAILER

X=

B - PERISTALTIC PUMP

E - PURGE PUMP

H - WATERRA®

PURGING DEVICE OTHER (SPECIFY)

SAMPLING DEVICE

☒

C - BLADDER PUMP

F - DIPPER BOTTLE

X - OTHER

X=

SAMPLING DEVICE OTHER (SPECIFY)

PURGING MATERIAL

☒

A - TEFLON

D - PVC

X=

B - STAINLESS STEEL

E - POLYETHYLENE

PURGING MATERIAL OTHER (SPECIFY)

SAMPLING MATERIAL

☒

C - POLYPROPYLENE

X - OTHER

X=

SAMPLING MATERIAL OTHER (SPECIFY)

PURGE TUBING

☐

A - TEFLON

D - POLYPROPYLENE

G - COMBINATION
TEFLON/POLYPROPYLENE

X=

B - TYGON

E - POLYETHYLENE

PURGE TUBING OTHER (SPECIFY)

SAMPLING TUBING

☐

C - ROPE

F - SILICONE

X - OTHER

X=

SAMPLING TUBING OTHER (SPECIFY)

FILTERING DEVICES 0.45

☐

A - IN-LINE DISPOSABLE

B - PRESSURE

Lab filtered

FIELD MEASUREMENTS

DEPTH TO WATER

4.73

(feet)

WELL ELEVATION

(feet)

WELL DEPTH

~38

(feet)

GROUNDWATER ELEVATION

(feet)

TEMPERATURE

pH

TDS

SC

DO

ORP

VOLUME

14.0 (°C)

7.54 (std)

659 (g/L)

1324 (µS/cm)

(mg/L)

(mV)

5 (gal)

12.5 (°C)

7.50 (std)

624 (g/L)

1250 (µS/cm)

(mg/L)

(mV)

6 (gal)

12.3 (°C)

7.51 (std)

624 (g/L)

1246 (µS/cm)

(mg/L)

(mV)

2.5 (gal)

12.1 (°C)

7.51 (std)

622 (g/L)

1245 (µS/cm)

(mg/L)

(mV)

8.5 (gal)

(°C)

(std)

(g/L)

(µS/cm)

(mg/L)

(mV)

(gal)

FIELD COMMENTS

SAMPLE APPEARANCE:

ODOR:

COLOR:

SHEEN Y/N

WEATHER CONDITIONS:

TEMPERATURE

~70's

WINDY Y/N

N

PRECIPITATION Y/N (IF Y TYPE)

N

SPECIFIC COMMENTS:

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CRA PROTOCOLS

DATE

PRINT

Jeff Walker

SIGNATURE

glw

WELL SAMPLING FIELD INFORMATION FORM

SITE/PROJECT NAME:

Wilmuth N°1

JOB#

074937-4A500

SAMPLE ID:

W-074937-050417-MW2-SW

WELL#

MW-2

WELL PURGING INFORMATION

5/4/17

PURGE DATE
(MM DD YY)

5/4/17

SAMPLE DATE
(MM DD YY)

1458

SAMPLE TIME
(24 HOUR)

3.8

WATER VOL IN CASING
(GALLONS)

9.5

ACTUAL VOL PURGED
(GALLONS)

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT.....DEDICATED Y

(N)

(CIRCLE ONE)

SAMPLING EQUIPMENT.....DEDICATED Y N

(CIRCLE ONE)

PURGING DEVICE

G

A - SUBMERSIBLE PUMP

D - GAS LIFT PUMP

G - BAILER

X=

B - PERISTALTIC PUMP

E - PURGE PUMP

H - WATERRA®

PURGING DEVICE OTHER (SPECIFY)

SAMPLING DEVICE

C

C - BLADDER PUMP

F - DIPPER BOTTLE

X - OTHER

X=

SAMPLING DEVICE OTHER (SPECIFY)

PURGING MATERIAL

E

A - TEFLON

D - PVC

X=

B - STAINLESS STEEL

E - POLYETHYLENE

PURGING MATERIAL OTHER (SPECIFY)

SAMPLING MATERIAL

E

C - POLYPROPYLENE

X - OTHER

X=

SAMPLING MATERIAL OTHER (SPECIFY)

PURGE TUBING

A - TEFLON

D - POLYPROPYLENE

G - COMBINATION
TEFLON/POLYPROPYLENE

X=

B - TYGON

E - POLYETHYLENE

PURGE TUBING OTHER (SPECIFY)

SAMPLING TUBING

C - ROPE

F - SILICONE

X - OTHER

X=

SAMPLING TUBING OTHER (SPECIFY)

FILTERING DEVICES 0.45

A - IN-LINE DISPOSABLE

B - PRESSURE

165 filtered

FIELD MEASUREMENTS

DEPTH TO WATER

6.25

(feet)

WELL ELEVATION

(feet)

WELL DEPTH

30

(feet)

GROUNDWATER ELEVATION

(feet)

TEMPERATURE

pH

TDS

SC

DO

ORP

VOLUME

12.9 (°C)

7.53 (std)

579 (g/L)

1158 (µS/cm)

(mg/L)

(mV) 6 (gal)

12.8 (°C)

7.54 (std)

573 (g/L)

1145 (µS/cm)

(mg/L)

(mV) 7.5 (gal)

12.8 (°C)

7.55 (std)

572 (g/L)

1146 (µS/cm)

(mg/L)

(mV) 8.5 (gal)

12.9 (°C)

7.55 (std)

574 (g/L)

1148 (µS/cm)

(mg/L)

(mV) 9.5 (gal)

(°C)

(std)

(g/L)

(µS/cm)

(mg/L)

(mV) (gal)

FIELD COMMENTS

SAMPLE APPEARANCE:

sl. opaque

ODOR:

Ø

COLOR:

lt. gray

SHEEN Y/N

Ø

WEATHER CONDITIONS:

TEMPERATURE

hi 70's

WINDY Y/N

N

PRECIPITATION Y/N (IF Y TYPE)

N

SPECIFIC COMMENTS:

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CWA PROTOCOLS

DATE

5/4/17

PRINT

Jeff Walker

SIGNATURE

JW

WELL SAMPLING FIELD INFORMATION FORM

SITE/PROJECT NAME: Wilmut N°1 JOB# 074937-4AS00
 SAMPLE ID: W-074937-050417-MW3-SW WELL# MW-3

PURGE DATE (MM DD YY) 5/4/17 SAMPLE DATE (MM DD YY) 5/4/17 SAMPLE TIME (24 HOUR) 1515 WATER VOL. IN CASING (GALLONS) 3.8 ACTUAL VOL. PURGED (GALLONS) 8

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT.....DEDICATED Y (N) SAMPLING EQUIPMENT.....DEDICATED Y (N)
 (CIRCLE ONE) (CIRCLE ONE)

PURGING DEVICE G A - SUBMERSIBLE PUMP D - GAS LIFT PUMP G - BAILER X= _____
 B - PERISTALTIC PUMP E - PURGE PUMP H - WATERRA® PURGING DEVICE OTHER (SPECIFY) _____
 SAMPLING DEVICE G C - BLADDER PUMP F - DIPPER BOTTLE X - OTHER X= _____
 SAMPLING DEVICE OTHER (SPECIFY) _____

PURGING MATERIAL E A - TEFLON D - PVC X= _____
 B - STAINLESS STEEL E - POLYETHYLENE PURGING MATERIAL OTHER (SPECIFY) _____
 SAMPLING MATERIAL E C - POLYPROPYLENE X - OTHER X= _____
 SAMPLING MATERIAL OTHER (SPECIFY) _____

PURGE TUBING A - TEFLON D - POLYPROPYLENE G - COMBINATION X= _____
 B - TYGON E - POLYETHYLENE TEFLON/POLYPROPYLENE PURGE TUBING OTHER (SPECIFY) _____
 SAMPLING TUBING C - ROPE F - SILICONE X - OTHER X= _____
 SAMPLING TUBING OTHER (SPECIFY) _____

FILTERING DEVICES 0.45 A - IN-LINE DISPOSABLE B - PRESSURE 106 filterer

FIELD MEASUREMENTS

DEPTH TO WATER 6.21 (feet) WELL ELEVATION _____ (feet)
 WELL DEPTH 30 (feet) GROUNDWATER ELEVATION _____ (feet)

TEMPERATURE	pH	TDS	SC	DO	ORP	VOLUME
<u>13.1</u> (°C)	<u>7.54</u> (std)	<u>567</u> (g/L)	<u>1136</u> (µS/cm)	_____ (mg/L)	_____ (mV)	<u>6</u> (gal)
<u>12.8</u> (°C)	<u>7.54</u> (std)	<u>565</u> (g/L)	<u>1130</u> (µS/cm)	_____ (mg/L)	_____ (mV)	<u>7</u> (gal)
<u>13.2</u> (°C)	<u>7.53</u> (std)	<u>566</u> (g/L)	<u>1129</u> (µS/cm)	_____ (mg/L)	_____ (mV)	<u>8</u> (gal)
_____ (°C)	_____ (std)	_____ (g/L)	_____ (µS/cm)	_____ (mg/L)	_____ (mV)	_____ (gal)
_____ (°C)	_____ (std)	_____ (g/L)	_____ (µS/cm)	_____ (mg/L)	_____ (mV)	_____ (gal)

FIELD COMMENTS

SAMPLE APPEARANCE: sl. opaque ODOR: COLOR: lt drk gray SHEEN Y/N
 WEATHER CONDITIONS: TEMPERATURE hi 70's WINDY Y/N N PRECIPITATION Y/N (IF Y TYPE) N
 SPECIFIC COMMENTS: some organic mat'l (roots?) in bailer

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CRA PROTOCOLS

DATE 5/4/17 PRINT Se A. Walter SIGNATURE [Signature]

WELL SAMPLING FIELD INFORMATION FORM

SITE/PROJECT NAME: Wilmuth No. 1 JOB# 074937-4A500
 SAMPLE ID: W-074937-050417-MWH-JW WELL# MW-4

WELL PURGING INFORMATION

5/4/17 5/4/17 1530 4.46 9
 PURGE DATE (MM DD YY) SAMPLE DATE (MM DD YY) SAMPLE TIME (24 HOUR) WATER VOL. IN CASING (GALLONS) ACTUAL VOL. PURGED (GALLONS)

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT.....DEDICATED Y N SAMPLING EQUIPMENT.....DEDICATED Y N
 (CIRCLE ONE) (CIRCLE ONE)

PURGING DEVICE G A - SUBMERSIBLE PUMP D - GAS LIFT PUMP G - BAILER X= _____
 B - PERISTALTIC PUMP E - PURGE PUMP H - WATERRA® PURGING DEVICE OTHER (SPECIFY) _____
 SAMPLING DEVICE G C - BLADDER PUMP F - DIPPER BOTTLE X - OTHER X= _____
 SAMPLING DEVICE OTHER (SPECIFY) _____

PURGING MATERIAL E A - TEFLON D - PVC X= _____
 B - STAINLESS STEEL E - POLYETHYLENE PURGING MATERIAL OTHER (SPECIFY) _____
 SAMPLING MATERIAL E C - POLYPROPYLENE X - OTHER X= _____
 SAMPLING MATERIAL OTHER (SPECIFY) _____

PURGE TUBING A - TEFLON D - POLYPROPYLENE G - COMBINATION X= _____
 B - TYGON E - POLYETHYLENE TEFLON/POLYPROPYLENE PURGE TUBING OTHER (SPECIFY) _____
 SAMPLING TUBING C - ROPE F - SILICONE X - OTHER X= _____
 SAMPLING TUBING OTHER (SPECIFY) _____

FILTERING DEVICES 0.45 A - IN-LINE DISPOSABLE B - PRESSURE 1a6 filtered

FIELD MEASUREMENTS

DEPTH TO WATER 7.10 (feet) WELL ELEVATION _____ (feet)
 WELL DEPTH 35 (feet) GROUNDWATER ELEVATION _____ (feet)

TEMPERATURE	pH	TDS	SC	DO	ORP	VOLUME
<u>12.8</u> (°C)	<u>7.57</u> (std)	<u>619</u> (g/L)	<u>1235</u> (µS/cm)	_____ (mg/L)	_____ (mV)	<u>6</u> (gal)
<u>12.7</u> (°C)	<u>7.55</u> (std)	<u>589</u> (g/L)	<u>1177</u> (µS/cm)	_____ (mg/L)	_____ (mV)	<u>7</u> (gal)
<u>12.9</u> (°C)	<u>7.54</u> (std)	<u>578</u> (g/L)	<u>1155</u> (µS/cm)	_____ (mg/L)	_____ (mV)	<u>8</u> (gal)
<u>12.9</u> (°C)	<u>7.54</u> (std)	<u>577</u> (g/L)	<u>1154</u> (µS/cm)	_____ (mg/L)	_____ (mV)	<u>9</u> (gal)
_____ (°C)	_____ (std)	_____ (g/L)	_____ (µS/cm)	_____ (mg/L)	_____ (mV)	_____ (gal)

FIELD COMMENTS

SAMPLE APPEARANCE: sl. opaque ODOR: COLOR: lt. gray SHEEN Y/N
 WEATHER CONDITIONS: TEMPERATURE 11-70's WINDY Y/N N PRECIPITATION Y/N (IF Y TYPE) N
 SPECIFIC COMMENTS: _____

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE EPA PROTOCOLS

DATE 5/4/17 PRINT Jeff Wanda SIGNATURE [Signature]