CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: 1389 Purge Date: 12/18/14

Depth to Water (± 0.1ft.): 23.80 Well Depth (± 0.1ft.): 32.71

Water Column (± 0.1ft.): 8.91 Casing Volume (± 0.1gal.): 1.5

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1628 Purge End Time: 1638 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 7.0

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
1.5	7.8	403	14.4		
3.0	7.5	633	16.8		
4.5	7.4	590	17.6		
6.0	7.5	587	17.5		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: ~~1638~~ DUP 12/18/14 Sample Time: 1638

Weather: COLD RAIN

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTON Date: 12/18/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: 1390 Purge Date: 12/22/14

Depth to Water (± 0.1ft.): 45.72 Well Depth (± 0.1ft.): 59.31

Water Column (± 0.1ft.): 13.59 Casing Volume (± 0.1gal.): 2.2

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1205 Purge End Time: 1215 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 7.0

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
2.2	7.7	481	17.2		
4.4	7.6	493	17.2		
6.6	7.6	495	17.0		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/22/14 Sample Time: 1215

Weather: cool / cloudy

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAIN Date: 12/22/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: 1391 Purge Date: 12/19/14

Depth to Water (± 0.1ft.): 23.38 Well Depth (± 0.1ft.): 47.75

Water Column (± 0.1ft.): 24.37 Casing Volume (± 0.1gal.): 4.0

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 942 Purge End Time: 952 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 14

FIELD PARAMETER LOG

Purge Volume *(gallons)*	pH *(std. units ± 0.1)*	Specific Conductivity *(µm/cm to 3 sig. digits)*	Temperature *(°C ± 0.1°)*	
4	7.1	593	16.1	
8	7.2	597	16.3	
12	7.2	614	16.6	
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	

Sample Date: 12/19/14 Sample Time: 952

Weather: COLD CLOUDY

Sample Method *(bailer (type), pump (type), scoop (type), etc.)*:

GRUNDFOS

Sample Appearance: CLEAR

Sampler *(print name)*: BRAD BRITTON Date: 12/19/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: 1392 Purge Date: 12/10/14

Depth to Water (± 0.1ft.): 51.56 Well Depth (± 0.1ft.): 67.52

Water Column (± 0.1ft.): 15.96 Casing Volume (± 0.1gal.): 2.6

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 850 Purge End Time: 915 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 12

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
2.6	7.	~~1099~~ 550	14.60		
5.2	7.0	529	15.9°		
7.8	6.9	516	16.3°		
10.4	7.0	511	16.5°		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/10/14 Sample Time: 915

Weather: ROUGH, COLD

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAN Date: 12/10/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: 1393 + 1393 DUP Purge Date: 12/18/14

Depth to Water (± 0.1ft.): 31.77 Well Depth (± 0.1ft.): 39.05

Water Column (± 0.1ft.): 7.28 Casing Volume (± 0.1gal.): 1.2

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 935 Purge End Time: 945 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 7.0

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
1.2	7.6	4330	14.3		
2.4	7.9	4020	15.9		
3.6	8.0	4140	16.5		
4.8	8.0	4960	16.6		
6.0	7.9	4860	16.8		
Acceptance Criteria	3 samples ± 0.1 unit	3 samples ± 10 %	3 samples ± 10 %	3 samples ± 10 %	3 samples ± 10 %

Sample Date: 12/18/14 Sample Time: 945

Weather: COLD, CLOUDY

Sample Method (bailer (type), pump (type), scoop (type), etc.):

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAIN Date: 12/18/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: 1394 Purge Date: 12/18/14

Depth to Water (± 0.1ft.): 57.09 Well Depth (± 0.1ft.): 70.48

Water Column (± 0.1ft.): 13.39 Casing Volume (± 0.1gal.): 2.2

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1035 Purge End Time: 1045 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 6.6

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
2.2	6.9	595	16.2		
4.4	7.0	582	16.7		
6.6	7.0	576	16.9		
Acceptance Criteria	3 samples ± 0.1 unit	3 samples ± 10 %	3 samples ± 10 %	3 samples ± 10 %	3 samples ± 10 %

Sample Date: 12/18/14 Sample Time: 1045

Weather: COLD, CLOUDY

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTON Date: 12/18/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-61 Purge Date: 12/17/14

Depth to Water (± 0.1ft.): 9.69 Well Depth (± 0.1ft.): 26.37

Water Column (± 0.1ft.): 16.68 Casing Volume (± 0.1gal.): 2.7

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1007 Purge End Time: 1017 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 10

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
2.7	6.9	2460	17.1°		
5.4	6.9	2406	17.5°		
8.1	6.9	2330	17.5°		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/17/18 Sample Time: 1017

Weather: COLD, CLOUDY

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTON Date: 12/17/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-91 Purge Date: 12/16/14

Depth to Water (± 0.1ft.): 9.73 Well Depth (± 0.1ft.): 29.90

Water Column (± 0.1ft.): 20.13 Casing Volume (± 0.1gal.): 3.3

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1555 Purge End Time: 1605 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 12

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
3.3	7.2	1679	18.2		
6.6	7.2	1650	18.3		
9.9	7.1	1638	18.4		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/16/14 Sample Time: 1605

Weather: COOL CLEAR

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAIN Date: 12/16/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-93 Purge Date: 12/17/14

Depth to Water (± 0.1ft.): 10.75 Well Depth (± 0.1ft.): 32.05

Water Column (± 0.1ft.): 21.3 Casing Volume (± 0.1gal.): 3.5

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1027 Purge End Time: 1037 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 12

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
3.5	6.9	1400	17.6		
7.0	7.0	1417	18.1		
10.5	6.9	1408	18.2		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/17/14 Sample Time: 1037

Weather: COLD, CLOUDY

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRUTIAN Date: 12/17/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-94 + T-94DUP Purge Date: 12/16/14

Depth to Water (± 0.1ft.): 14.08 Well Depth (± 0.1ft.): 30.61

Water Column (± 0.1ft.): 16.52 Casing Volume (± 0.1gal.): 2.7

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1430 Purge End Time: 1640 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 8.5

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
2.7	7.0	1022	17.0		
5.4	7.1	1025	17.3		
8.1	7.0	1041	17.3		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/16/14 Sample Time: 1640

Weather: COOL/CLEAR

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAIN Date: 12/16/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-95 Purge Date: 12/16/14

Depth to Water (± 0.1ft.): 10.54 Well Depth (± 0.1ft.): 29.85

Water Column (± 0.1ft.): 19.31 Casing Volume (± 0.1gal.): 3.2

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1415 Purge End Time: ~~1425~~ BB 1625 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 10

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
3.2	6.9	1945	17.8°		
6.4	6.9	1909	BB ~~18~~ 17.9°		
9.4	7.0	1937	17.9°		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/16/14 Sample Time: ~~1425~~ BB 1628

Weather: COOL / CLEAR

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTON Date: 12/16/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-97 Purge Date: 12/18/14

Depth to Water (± 0.1ft.): 12.89 Well Depth (± 0.1ft.): 31.34

Water Column (± 0.1ft.): 18.45 Casing Volume (± 0.1gal.): 3.0

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1335 Purge End Time: 1350 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 150

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
3.0	7.0	2090	15.8		
6.0	7.1	2040	16.7		
9.0	7.0	2040	17.1°		
12.0	7.1	2090	17.1°		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/18/14 Sample Time: 1350

Weather: COOL

Sample Method *(bailer (type), pump (type), scoop (type), etc.)*:

FILTERED GRUNDFOS

Sample Appearance: CLEAR

Sampler *(print name)*: BRAD BRITTAIN Date: 12/18/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-98 Purge Date: 12/18/14

Depth to Water (± 0.1ft.): 12.71 Well Depth (± 0.1ft.): 31.81

Water Column (± 0.1ft.): 19.1 Casing Volume (± 0.1gal.): 3.1

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1410 Purge End Time: 1425 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 150

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	
3.1	6.8	2070	15.2	
6.2	6.9	2080	16.3	
9.3	6.9	2080	16.5	
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	

Sample Date: 12/18/14 Sample Time: 1425

Weather: COOL

Sample Method (bailer (type), pump (type), scoop (type), etc.):

FILTERED GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BEAU BRITTON Date: 12/18/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-99 Purge Date: 12/16/14

Depth to Water (± 0.1ft.): 12.93 Well Depth (± 0.1ft.): 31.70

Water Column (± 0.1ft.): 18.77 Casing Volume (± 0.1gal.): 3.0

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1420 Purge End Time: 1442 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 150

FIELD PARAMETER LOG

Purge Volume *(gallons)*	pH *(std. units ± 0.1)*	Specific Conductivity *(µm/cm to 3 sig. digits)*	Temperature *(°C ± 0.1°)*	
3.0	7.1	3230	16.3	
6.0	7.2	3230	16.3	
9.0	7.2	3210	16.3	
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	

Sample Date: 12/16/14 Sample Time: 1442

Weather: COOL / CLEAR

Sample Method *(bailer (type), pump (type), scoop (type), etc.)*:

FILTERED GRUNDFOS

Sample Appearance: CLEAR

Sampler *(print name)*: BRAD B Date: 12/16/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-100 Purge Date: 12/16/14

Depth to Water (± 0.1ft.): 12.55 Well Depth (± 0.1ft.): 30.70

Water Column (± 0.1ft.): 18.15 Casing Volume (± 0.1gal.): 3.0

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1508 Purge End Time: 1428 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 150

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
3.0	6.9	3130	16.3		
6.0	6.9	3170	16.5		
9.0	6.9	3130	16.5		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/16/14 Sample Time: 1428

Weather: COOL / CLEAR

Sample Method *(bailer (type), pump (type), scoop (type), etc.)*:

FILTERED GRUNDFOS

Sample Appearance: CLEAR

Sampler *(print name)*: BRAD BELTRAN Date: 12/16/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-101 + T-101 DUP

Purge Date: 12/18/14

Depth to Water (± 0.1ft.): 12.75

Well Depth (± 0.1ft.): 29.59

Water Column (± 0.1ft.): 16.84

Casing Volume (± 0.1gal.): 2.75

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1445

Purge End Time: 1500

(Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 150

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
2.75	6.9	1856	14.7		
5.5	6.9	1855	16.0		
~~8.25~~ 8.25	6.9	1858	16.3		
11	7.0	1866	16.2		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: ~~1500~~ 12/18/14

Sample Time: 1500

Weather: COOL

Sample Method (bailer (type), pump (type), scoop (type), etc.):

FILTERED GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAIN

Date: 12/18/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-102 Purge Date: 12/17/14

Depth to Water (± 0.1ft.): 10.65 Well Depth (± 0.1ft.): 30.65

Water Column (± 0.1ft.): 20 Casing Volume (± 0.1gal.): 3.3

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1105 Purge End Time: 1125 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 150

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
3.3	7.0	1788	17.0°		
6.6	6.9	1784	17.6°		
9.9	7.0	1777	17.7°		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/17/14 Sample Time: 1125

Weather: COLD CLOUDY

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAIN Date: 12/17/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: T-103 Purge Date: 12/17/14

Depth to Water (± 0.1ft.): 11.47 Well Depth (± 0.1ft.): 29.89

Water Column (± 0.1ft.): 18.42 Casing Volume (± 0.1gal.): 3.00

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1132 Purge End Time: 1152 *(Note: Sample must be collected within 24 hours of purge time)*

Volume Purged: 150

FIELD PARAMETER LOG

Purge Volume *(gallons)*	pH *(std. units ± 0.1)*	Specific Conductivity *(µm/cm to 3 sig. digits)*	Temperature *(°C ± 0.1°)*	
3.0	7.0	1677	17.1°	
6.0	6.9	1663	17.4	
9.0	6.9	1665	17.5°	
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	

Sample Date: 12/17/14 Sample Time: 1152

Weather: COLD CLOUDY

Sample Method *(bailer (type), pump (type), scoop (type), etc.)*:

GRUNDFOS

Sample Appearance: CLEAR

Sampler *(print name)*: BRAD BRITTAIN Date: 12/17/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

CIMARRON ENVIRONMENTAL RESPONSE TRUST
FIELD PARAMETER FORM

Sample Location: TMW-24 +Dup Purge Date: 12/16/14

Depth to Water (± 0.1ft.): 12.23 Well Depth (± 0.1ft.): 28.81

Water Column (± 0.1ft.): 16.58 Casing Volume (± 0.1gal.): 2.7

Purge Method (pump & type, bailer & type, etc.): GRUNDFOS

Purge Start Time: 1046 Purge End Time: 1056 (Note: Sample must be collected within 24 hours of purge time)

Volume Purged: 10

FIELD PARAMETER LOG

Purge Volume (gallons)	pH (std. units ± 0.1)	Specific Conductivity (µm/cm to 3 sig. digits)	Temperature (°C ± 0.1°)	Dissolved Oxygen (DO) (mg/l ± 0.1)	Oxidation/Reduction Potential (ORP) (mV ± 1)
2.7	6.6	991	15.9		
5.4	6.7	968	16.2		
8.1	6.7	1000	16.4		
Acceptance Criteria	*3 samples ± 0.1 unit*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*	*3 samples ± 10 %*

Sample Date: 12/16/14 Sample Time: 1056

Weather: COLD, CLEAR

Sample Method (bailer (type), pump (type), scoop (type), etc.):

GRUNDFOS PUMP

Sample Appearance: CLEAR

Sampler (print name): BRAD BRITTAIN Date: 12/16/14

Note: Use chain of custody form to indicate which sample bottles were filtered and filter size.

FIELD GROUNDWATER SAMPLING REPORT

DATE: 11/10/14 SITE: Cimarron PID READING at WELL HEAD (ppm): NA

PROJECT NUMBER: 77317 WEATHER: MID 70's Clear

WELL NUMBER: GP-WAA-20 DEPTH TO WATER (ft btoc): 9.07

TOTAL DEPTH (ft btoc): 17.93 CASING DIAMETER (inches): 1"

PURGING

Well Volume Calculation

NA

1 well volume (gallons) = initial height of water column (ft) — * 0.0408 * (casing diameter (in))^2

Equipment Used: (Bladder Pump) (Bailer) Other _____

Equipment Dedicated: yes / (no)

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1213	—	—	—	—	—	—	—	—	9.07	CLOUDY BROWN FLOW CELL
1218	—	100	7.03	20.76	1790	CLEAR	146.3	2.16	9.07	
1223	—	100	6.99	20.72	1784	NA	146.4	1.80	9.07	CLEAR
1228	—	100	6.96	20.68	1752	NA	144.4	0.94	9.07	CLEAR
1233	—	100	6.96	20.65	1731	NA	140.8	0.67	9.07	CLEAR
1238	—	100	6.96	20.59	1722	NA	138.8	0.54	9.07	CLEAR
1243	—	100	6.96	20.58	1712	NA	137.1	0.45	9.07	CLEAR
1248	—	100	6.96	20.59	1708	NA	136.2	0.40	9.07	CLEAR
1253	1.05	100	6.96	20.69	1711	NA	134.3	0.43	9.07	CLEAR

Continued on back (circle one) yes / (no)

SAMPLING Equipment Used: (Same as above) Other _____

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (S/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1253	1.05	100	6.96	20.69	1711	NA	134.3	0.43	9.07	CLEAR

IDW TOTAL: 1.05 gal

SAMPLE ID: GP-WAA-20 SAMPLE ID FOR QC: NA

PARAMETERS REQUESTED FOR ANALYSIS: SO_4, NO_2/NO_3, Ferrous Fe, VOC FATTY ACIDS, SULFIDE, AMMONIA, TOC, ALKALINITY, Fe, Mn

	PRINT NAME	SIGNATURE	DATE
PREPARED:	Matthew Courtad		11/10/14

FIELD GROUNDWATER SAMPLING REPORT

DATE: 11/10/14 SITE: Cimarron PID READING at WELL HEAD (ppm): NA

PROJECT NUMBER: 77317 WEATHER: MID 70's, Clear

WELL NUMBER: GP-WAA-22 DEPTH TO WATER (ft btoc): 13.90'

TOTAL DEPTH (ft btoc): 20.9 CASING DIAMETER (inches): 1"

PURGING

Well Volume Calculation

NA

1 well volume (gallons) = initial height of water column (ft) ___ * 0.0408 * (casing diameter (in))^2

Equipment Used: (Bladder Pump) (Bailer) Other ___

Equipment Dedicated: yes / (no)

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1655	-	-	-	-	-	-	-	-	13.90	FULL CELL
1701	-	100	7.08	19.93	869	-	71.0	3.42	13.90	CLOUDY BROWN
1706	-	100	6.93	19.19	868	-	28.2	1.59	13.90	CLEAR
1711	-	100	6.92	19.97	865	-	5.6	1.05	13.90	Clear
1716	-	100	6.92	19.72	864	-	-8.4	0.78	13.90	Clear
1722	-	100	6.93	19.51	864	-	-24.9	0.61	13.90	Clear
1727	-	100	6.94	18.38	863	-	-29.2	0.53	13.90	Clear
1732	1.0	100	6.94	18.23	862	-	-33.2	0.51	17.90	Clear

Continued on back (circle one) yes / (no)

SAMPLING Equipment Used: (Same as above) Other ___

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (S/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1732	1.0	100	6.94	18.23	862	NA	-33.2	0.51	17.90	Clear

IDW TOTAL: 1.0 gal

SAMPLE ID: GP-WAA-22 SAMPLE ID FOR QC: NA

PARAMETERS REQUESTED FOR ANALYSIS: SO_4, NO_3/NO_2, Ferrous Fe, VOC FATTY ACIDS, SULFIDES AMMONIA, TOC, ALKALINITY, Fe, Mn

	PRINT NAME	SIGNATURE	DATE
PREPARED:	Mathew Crawford		11/10/14

FIELD GROUNDWATER SAMPLING REPORT

DATE: 11/6/14 SITE: Cimarron PID READING at WELL HEAD (ppm): NA

PROJECT NUMBER: 77317 WEATHER: Mid 70's, Clear

WELL NUMBER: T-55 DEPTH TO WATER (ft btoc): 9.65'

TOTAL DEPTH (ft btoc): 18.23 CASING DIAMETER (inches): 2"

PURGING

Well Volume Calculation

NA

1 well volume (gallons) = initial height of water column (ft) — * 0.0408 * (casing diameter (in))^2

Equipment Used: (Bladder Pump) (Bailer) Other _____

Equipment Dedicated: yes / (no)

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1003	—	—	—	—	—	—	—	—	9.65	FILLING CAN
1008	—	≈100	6.73	16.32	1776	—	134.1	4.47	9.65	Clear
1013	—	100	6.75	16.29	1786	—	119.0	3.51	9.65	Clear
1018	—	100	6.78	16.31	1770	—	119.3	3.11	9.65	Clear
1023	—	100	6.80	16.34	1721	—	107.6	2.60	9.65	Clear
1028	—	100	6.82	16.36	1633	—	102.3	1.81	9.65	Clear
1033	—	100	6.83	16.39	1580	—	101.2	1.50	9.65	Clear
1038	0.9	100	6.83	16.42	1546	—	99.9	1.32	9.65	Clear

Continued on back (circle one) yes / (no)

SAMPLING Equipment Used: (Same as above) Other _____

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (S/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1038	0.9	100	6.83	16.42	1546	—	99.9	1.32	9.65	Clear

IDW TOTAL: 0.9 gal

SAMPLE ID: GP-WAA-19 SAMPLE ID FOR QC: NA

PARAMETERS REQUESTED FOR ANALYSIS: SO4, NO3/NO2, Ferrous Fe, VOC, FATTY ACIDS, SULFIDE, AMMONIA, TOC, METHANE/ETH, Fe, Mn

	PRINT NAME	SIGNATURE	DATE
PREPARED:	Mathew Cranford		11/10/14

FIELD GROUNDWATER SAMPLING REPORT

DATE: 11/10/14 SITE: Cimarron PID READING at WELL HEAD (ppm): NA

PROJECT NUMBER: 77317 WEATHER: MID 70's CLEAR

WELL NUMBER: T-84 DEPTH TO WATER (ft btoc): 10.67

TOTAL DEPTH (ft btoc): 34.58 CASING DIAMETER (inches): 2"

PURGING

Well Volume Calculation

NA

1 well volume (gallons) = initial height of water column (ft)_____ * 0.0408 * (casing diameter (in))^2

Equipment Used: (Bladder Pump) (Bailer) Other _____

Equipment Dedicated: yes / (no)

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1422	-	-	-	-	-	-	-	-	-	FILLING CELL
1433	-	100	6.76	23.20	1984	NA	139.5	2.22	10.67	Clear
1438	-	100	6.74	22.62	1952	NA	141.9	1.02	10.67	Clear
1443	-	100	6.77	22.36	1877	NA	139.1	0.67	10.67	Clear
1448	-	100	6.80	2232	1760	NA	136.0	0.63	10.67	Clear
1453	-	100	6.82	22.23	1719	NA	134.1	0.71	10.67	Clear
1457	0.9	100	6.93	22.23	1698	NA	132.6	0.61	10.67	Clear
Continued on back (circle one) yes / no										

SAMPLING Equipment Used: (Same as above) Other _____

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (S/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1458	0.9	100	6.83	22.23	1698	NA	132.6	0.61	10.67	CLEAR

IDW TOTAL: 0.9 gal

SAMPLE ID: GP-WAA-21 SAMPLE ID FOR QC: GP-WAA-21DUP

PARAMETERS REQUESTED FOR ANALYSIS: SO_4, NO_3/NO_2, Ferrous Fe, VOC Fatty Acids, Sulfide Ammonia, TOC, ALKALINITY, Fe, Mn

	PRINT NAME	SIGNATURE	DATE
PREPARED:	Mathew Crawford		11/10/14

FIELD GROUNDWATER SAMPLING REPORT

DATE: 11/10/14 SITE: Cimarron PID READING at WELL HEAD (ppm): NA

PROJECT NUMBER: 77317 WEATHER: MID 70's Clear

WELL NUMBER: GP-CWAA-20 DEPTH TO WATER (ft btoc): 9.07

TOTAL DEPTH (ft btoc): 17.93 CASING DIAMETER (inches): 1"

PURGING

Well Volume Calculation

NA

1 well volume (gallons) = initial height of water column (ft) — * 0.0408 * (casing diameter (in))^2

Equipment Used: (Bladder Pump) (Bailer) Other _____

Equipment Dedicated: yes / (no)

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1213	—	—	—	—	—	—	—	—	9.07	CLOUDY Brown FILLING CELL
1218	—	100	7.03	20.76	1790	CLEAR	146.8	2.16	9.07	
1223	—	100	6.91	20.72	1784	NA	146.4	1.80	9.07	CLEAR
1228	—	100	6.96	20.68	1752	NA	144.4	0.94	9.07	CLEAR
1233	—	100	6.96	20.65	1731	NA	140.8	0.67	9.07	CLEAR
1238	—	100	6.96	20.59	1722	NA	138.8	0.54	9.07	CLEAR
1243	—	100	6.96	20.58	1712	NA	137.1	0.45	9.07	CLEAR
1248	—	100	6.96	20.59	1708	NA	136.2	0.40	9.07	CLEAR
1253	1.05	100	6.96	20.69	1711	NA	134.3	0.43	9.07	Clear

Continued on back (circle one) yes / (no)

SAMPLING Equipment Used: (Same as above) Other _____

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (S/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1253	1.05	100	6.96	20.69	1711	NA	134.3	0.43	9.07	Clear

IDW TOTAL: 1.05 gal

SAMPLE ID: GP-CWAA-20 SAMPLE ID FOR QC: NA

PARAMETERS REQUESTED FOR ANALYSIS: SO4, NO2/NO3, Ferrous Fe, VOC FATTY ACIDS, SULFIDE, Ammonia, TOC, ALKALINITY, Fe, Mn

	PRINT NAME	SIGNATURE	DATE
PREPARED:	Matthew Courtad		11/10/14

FIELD GROUNDWATER SAMPLING REPORT

DATE: 11/10/14 SITE: Cimarron PID READING at WELL HEAD (ppm): NA

PROJECT NUMBER: 77317 WEATHER: MID 70's, Clear

WELL NUMBER: GP-WAA-22

DEPTH TO WATER (ft btoc): 13.90

TOTAL DEPTH (ft btoc): 20.9 CASING DIAMETER (inches): 1"

PURGING

Well Volume Calculation

NA

1 well volume (gallons) = initial height of water column (ft) — * 0.0408 * (casing diameter (in))^2

Equipment Used: (Bladder Pump) (Bailer) Other ______ [Bladder Pump circled]

Equipment Dedicated: yes / no [no circled]

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (µS/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1655	—	—	—	—	—	—	—	—	13.90	Fill cell
1701	—	100	7.08	19.13	869	—	71.0	3.42	13.90	Cloudy Brown
1706	—	100	6.93	19.19	868	—	28.2	1.59	13.90	Clear
1711	—	100	6.92	18.97	865	—	5.6	1.05	13.90	Clear
1716	—	100	6.92	18.72	864	—	-8.4	0.78	13.90	Clear
1722	—	100	6.93	18.51	864	—	-24.9	0.61	13.90	Clear
1727	—	100	6.94	18.38	863	—	-29.2	0.53	13.90	Clear
1732	1.0	100	6.94	18.23	862	—	-33.2	0.51	13.90	Clear

Continued on back (circle one) yes / no [no circled]

SAMPLING Equipment Used: (Same as above) Other ______

Time (24 hr)	Amount Purged (gals)	Flow Rate (ml/min)	pH	Temp. (°C)	Specific Conductivity (S/cm)	Turbidity (NTU)	ORP (mV)	D.O. (mg/L)	Depth to Water (ft BTOC)	Observations
1732	1.0	100	6.94	18.23	862	NA	-33.2	0.51	13.90	Clear

IDW TOTAL: 1.0 gal

SAMPLE ID: GP-WAA-22 SAMPLE ID FOR QC: NA

PARAMETERS REQUESTED FOR ANALYSIS: SO_4, NO_3/NO_2, Ferrous Fe, VOC, DISSOLVED GAS, SULFIDES, AMMONIA, TOC, ALKALINITY, Fe, Mn

	PRINT NAME	SIGNATURE	DATE
PREPARED:	Mathew Crawford	[signature]	11/10/14