

Location Map:



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

Re-drill

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SB01R

Project:

Dragoon Compressor Station

Date:

9/30/2021

Project Number:

TE014219024.0002

Logged By:

David Stainback, P.G.

Drilled By:

Drill Pro

Elevation:

Detector:

PID

Drilling Method:

HSA

Sampling Method:

2" split spoons & cuttings

Gravel Pack:

N/A

Seal:

Bentonite Chips

Grout:

N/A

Casing Type:

N/A

Diameter:

N/A

Length:

N/A

Hole Diameter:

3"

Depth to Liquid:

N/A

Screen Type:

N/A

Slot:

N/A

Diameter:

N/A

Length:

N/A

Total Depth:

44'

Depth to Water:

N/A

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|--------------------|------------------|------------|----------------|--|-----------------|
| | | | | | 0 | | | 0-6' h/drounced | |
| | | | | | 4 | | | 6-30' logged cuttings | |
| | | | | | 8 | | SP | 6-32' Fg-Mg Sands, fine clay, brown/gray, no stain/strong odor @ 32' | |
| | | | | | 12 | | | 32-38' clayey Fg Sands w/ little Mgs, grey, no odor | |
| | | | | | 16 | | | 38-40' Fg-Mg Sands, loose, brown, strong odor, moist | |
| | | | | | 20 | | | 42-44' same as above, no stain/odor observed | |
| | | | | | 24 | | | | |
| | | | | | 28 | | | | |
| | | | | | 32 | X | SC | | |
| 2.8 | moist | 109.2 | NO | (1215) SB01R @ 32' | 36 | | | | |
| 9.9 | | | | | 40 | X | SP | | |
| 7.9 | moist | 689.3 | NO | (1235) SB01R @ 40' | 44 | X | | | |
| 12.14 | | | | | 48 | | | | |
| 5.7 | moist | 55.1 | NO | (1245) @ 44' | 52 | | | | |
| 10.15 | 1 | | | | 56 | | | | |
| | | | | | 60 | | | | |

TD @ 44', backfill
hole w/ native &
bentonite

Location Map:

Redrill



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SB10P

Project:

Dragoon Compressor Station

Date:

9/30/2021

Project Number:

TE014219024.0002

Logged By:

David Stainback, P.G.

Drilled By:

Drill Pro

Elevation:

Detector:

PID

Drilling Method:

HSA

Sampling Method:

2' Split spoons & cuttings

Gravel Pack:

N/A

Seal:

Bentonite Chips

Grout:

N/A

Casing Type:

N/A

Diameter:

N/A

Length:

N/A

Hole Diameter:

3"

Depth to Liquid:

N/A

Screen Type:

N/A

Slot:

N/A

Diameter:

N/A

Length:

N/A

Total Depth:

44'

Depth to Water:

N/A

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|-------------|------------------|------------|----------------|--|-----------------|
| | | | | | 0 | | | 0-6' Hydr. vacuole, not tagged | |
| | | | | | 4 | | | 6-30' Fg-Mg Sands, trace clay, grey 16-30: no odor | |
| | | | | | 8 | | SP | 30-32'; 1' clay lense @ 30.5-31.5; low plasticity, moist, no stain/odor, Fg-Mg Sands | |
| | | | | | 12 | | | @ 30-30.5' & 31.5-32', 90% recovery | |
| | | | | | 16 | | | 32-42' clayey Fg Sands, grey, moist, no odor | |
| | | | | | 20 | | | 42-44' Fg-Mg Sands w/ little clay, no stain/odor, moist | |
| | | | | | 24 | | | | |
| | | | | | 28 | | | | |
| 3,3 | | | | (110) | 32 | | CL | TD @ 44', abandon hole w/ bentonite & NActive | |
| 3,14 | moist | 24.5 | No | SB10P @ 32' | 36 | | SC | | |
| | | | | | 40 | | | | |
| | | | | (130) | 44 | | | | |
| 5,879 | moist | 40.2 | | SB10P @ 44' | 48 | | | | |
| 5,23 | | | | | 52 | | | | |
| | | | | | 56 | | | | |
| | | | | | 60 | | | | |

Location Map:



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SB12R

Project:

Dragoon Compressor Station

Date:

9/30/2021

Project Number:

TE014219024.0002

Logged By:

David Stainback, P.G.

Drilled By:

Drill Pro

Elevation:

Detector:

PID

Drilling Method:

HSA

Sampling Method:

2' split spoon & cuttings

Gravel Pack:

N/A

Seal:

Bentonite Chips

Grout:

N/A

Casing Type:

N/A

Diameter:

N/A

Length:

N/A

Hole Diameter:

3"

Depth to Liquid:

N/A

Screen Type:

N/A

Slot:

N/A

Diameter:

N/A

Length:

N/A

Total Depth:

37'

Depth to Water:

N/A

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|-------------------|------------------|------------|----------------|--|-----------------|
| | | | | | 0 | | | 0-6' Hydroxide | |
| | | | | | 4 | | | | |
| | | | | | 8 | | SC | 6-12' Clayey v Fg Sands, brown-grey, moist, no stain, SC odor 11-12', 70% recovery | |
| 1.2 | moist | 2.6 | grey | (1335) SBDR @ 12' | 12 | X | | 12-35' Same as above | |
| 3.4 | | | | | 16 | | | | |
| | | | | | 20 | | | 35-37' Fg. Clayey Sands, brown, 4" clay lense @ 36', no stain/odor | |
| | | | | | 24 | | | | |
| | | | | | 28 | | | | |
| | | | | | 32 | | | | |
| 3.3 | moist | 5.3 | brown | (350) SBDR @ 37' | 36 | X | | TD @ 37', abandon hole w/ native soil & bentonite | |
| 5.5 | | | | | 40 | | | | |
| | | | | | 44 | | | | |
| | | | | | 48 | | | | |
| | | | | | 52 | | | | |
| | | | | | 56 | | | | |
| | | | | | 60 | | | | |

Location Map:

120 drill



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SB18R

Project:

Dragoon Compressor Station

Date:

9/30/21

Project Number:

TE014219024.0002

Logged By:

David Stainback, P.G.

Drilled By:

Drill Pro

Elevation:

Detector:

PID

Drilling Method:

HSA

Sampling Method:

Cuttings & Split Spec

Gravel Pack:

N/A

Seal:

Bentonite Chips

Grout:

N/A

Casing Type:

N/A

Diameter:

N/A

Length:

N/A

Hole Diameter:

3"

Depth to Liquid:

N/A

Screen Type:

N/A

Slot:

N/A

Diameter:

N/A

Length:

N/A

Total Depth:

52'

Depth to Water:

N/A

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------------|--|-----------------|
| | | | | | 0 | | | 0-6 Hydraulic | |
| | | | | | 4 | | | 6-TD logged surface cuttings | |
| | | | | | 8 | | SP | 6-24 Fg-mg sands, fine clay, moist, | |
| | | | | | 12 | | | 24-26' Same as above, w/ grey stain & slight odor, | |
| | | | | | 16 | | | 25-26' 60% recovery | |
| | | | | | 20 | | | 25-26' | |
| | | | | (1020) | 24 | | SP | 26-50' Fg-Mg Sands, clean/ | |
| 4.4 | moist | 7.9 | grey | SB18R | 24 | X | SP | loose, moist, grey | |
| 6.7 | | | | @24' | 28 | | | 50-52' same as above, no odor, 10% recovery | |
| | | | | | 32 | | | | |
| | | | | | 36 | | | | |
| | | | | | 40 | | | TD @ 52', hole | |
| | | | | | 44 | | | abandoned w/ native & bentonite | |
| | | | | | 48 | | | | |
| 7.7 | moist | 18.7 | | (1020) | 52 | | | | |
| 23.28 | 1 | | | SB18R | 52 | X | | | |
| | | | | @50' | 56 | | | | |
| | | | | | 60 | | | | |

Location Map:

(Redrill)



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SB03R2

Project:

Dragoon Compressor Station

Date:

10/1/2021

Project Number:

TE014219024.0002

Logged By:

David Stainback, P.G.

Drilled By:

Drill Pro

Elevation:

Detector:

PID

Drilling Method:

HSA

Sampling Method:

2' split spoons

Gravel Pack:

N/A

Seal:

Bentonite Chips

Grout:

N/A

Casing Type:

N/A

Diameter:

N/A

Length:

N/A

Hole Diameter:

Depth to Liquid:

N/A

Screen Type:

N/A

Slot:

N/A

Diameter:

N/A

Length:

N/A

Total Depth:

Depth to Water:

N/A

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------------|---------------------------------------|-----------------|
| | | | | | 0 | | | 0-6' hydrocarbon | |
| | | | | | | | | * Logging cutting between | |
| | | | | | 4 | | | split spoons | |
| | | | | | 8 | | SC | 6-23' clayey Fg Sands w/ | |
| | | | | | 12 | | | little Mg, brown-grey, moist | |
| | | | | | 16 | | | 23-25' Fg Sands w/ little | |
| | | | | | 20 | | | to some Mg Sands (increase | |
| | | | | | 24 | | SP | w/ depth), grey, slight | |
| | | | | | 28 | | | odor, 6" clay, lense w/ low | |
| | | | | | 32 | | | plasticity & odor @ 24', 70% recovery | |
| | | | | | 36 | | | 33-35' Fg-Mg Sands, trace clay, | |
| | | | | | 40 | | | moist, light brown, no stain | |
| | | | | | 44 | | | w/ moderate odor | |
| | | | | | 48 | | | | |
| | | | | | 52 | | | | |
| | | | | | 56 | | | | |
| | | | | | 60 | | | | |

TD @ 35', abundance hole
w/ bentonite + native



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

Redrill

SB14R2

Dragoon Compressor Station

10/1/2021

TE014219024.0002

David Stainback, P.G.

Drill Pro

Detector:

PID

HSA

2' Split Spawns

N/A

Bentonite Chips

N/A

N/A

N/A

N/A

3.

N/A

N/A

N/A

N/A

N/A

555

N/A

| Depth | Lithology/Remarks |
|------------|--|
| 0-6' | hydrocarbon * Logging cuttings between split spoons |
| 6-24' | clayey vfg sands, brown, moist, no stanolodur |
| 24-26' | clayey Fg Sands, moist, grey, odor observed, 60 recovery |
| 26'-53.5' | Same as above |
| 53.5-55.5' | Fg - cg Sands, w/ clay observed |
| 54-54.5' | grey |
| w/ | odor observed |
| TD @ 55.5' | abundant w/ bentonite & native |

Location Map:



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

Redrill

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

| | |
|--|---|
| Boring/Well Number: SB1SR2 | Project: Dragoon Compressor Station |
| Date: 10/1/2021 | Project Number: TE014219024.0002 |
| Logged By: David Stainback, P.G. | Drilled By: Drill Pro |
| Elevation: | Drilling Method: HSA |
| Detector: PID | Sampling Method: 2' split spoon |
| Gravel Pack: N/A | Seal: Bentonite Chips |
| Casing Type: N/A | Grout: N/A |
| Screen Type: N/A | Diameter: N/A |
| Slot: N/A | Length: N/A |
| | Hole Diameter: 3' |
| | Depth to Liquid: N/A |
| | Total Depth: 55' |
| | Depth to Water: N/A |

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|--------------|------------------|------------|----------------|---|-----------------|
| | | | | | 0 | | | 0-6' H yel/orange | |
| | | | | | 4 | | | * Logging between split spoons from observed cuttings | |
| | | | | | 8 | | Sc | 6-40' clayey Fg sands, brown - grey, slightly moist, logged from cuttings | |
| | | | | | 12 | | | | |
| | | | | | 16 | | | 40-42' Fg sands, some Mgs, loose, light brown, no stain w/ moderate odor, moist, 80% recovery | |
| | | | | | 20 | | | | |
| | | | | | 24 | | | | |
| | | | | | 28 | | | 53-55' Fg - Cg sands, grey, stain w/ strong odor, moist, the small gravels, 90% recovery | |
| | | | | | 32 | | | | |
| | | | | | 36 | | | | |
| 4.12 | moist | 783.6 | NO | SB1SR2 @ 42' | 40 | | SP | TD @ 55', abandon hole w/ cuttings & native | |
| 13.13 | 1 | | 1 | | 44 | | | | |
| | | | | | 48 | | | | |
| | | | | | 52 | | | | |
| 13.21 | moist | 191.8 | yes | SB1SR2 @ 55' | 56 | | SW | | |
| 25.25 | | | | | 60 | | | | |

Location Map:

former
Facility
Pad

N

SB20



WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SB20

Project:

Dragoon Compressor Station

Date:

10/4/2021

Project Number:

TE014219024.0002

Logged By:

David Stainback, P.G.

Drilled By:

Drill Pro

Elevation:

Detector:

PID

Drilling Method:

HSA

Sampling Method:

Continuous core barrel

Gravel Pack:

N/A

Seal:

Bentonite Chips

Grout:

N/A

Casing Type:

N/A

Diameter:

N/A

Length:

N/A

Hole Diameter:

4.25"

Depth to Liquid:

N/A

Screen Type:

N/A

Slot:

N/A

Diameter:

N/A

Length:

N/A

Total Depth:

45'

Depth to Water:

N/A

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------------|--|-----------------|
| | | | | | 0 | | | 0-6' Hydrovac | |
| | | | | | 4 | | | 6-9' Fg sands, loose, some Mg sands, slightly moist, no stain/odor, brown | |
| | | | | | 8 | 2' 4' | SP | 9-10' clayey Fg sands, brown, no stain/odor | |
| | | | | | 12 | 2' 5' | | 10-15' Fg sands, loose, tan, little - some Mg sands, no stain/odor | |
| | | | | | 16 | 2' 5' | SW/SC | 15-20' clayey Fg cy sands, moist, brown, no stain/odor, fine angular gravels | |
| | | | | | 20 | 4' | | 20-25' clayey Fg-Mg sands, moist, gray w/ slight odor | |
| | | | | | 24 | 3' | | 25-25' some as above, gray, no odor | |
| | | | | | 28 | 2' | | 35-40' Fg clayey sands, gray, moist clay lenses @ 36-36.5' & 37-38', gray, slight odor | |
| | | | | | 32 | 1.5' | SP | 40-45' Fg sands, some Mg sand, loose, brown, moist, no stain/odor | |
| | | | | | 36 | 5' | | TD @ 45', abandon hole w/ native & bentonite | |
| | | | | | 40 | 1.5' | SP | | |
| | | | | | 44 | 5' | | | |
| | | | | | 48 | | | | |
| | | | | | 52 | | | | |
| | | | | | 56 | | | | |
| | | | | | 60 | | | | |

Location Map:

Former
Facility
Pod49' ±
• SBZ1

WSP, USA
4600 W. 60th Avenue
Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:

SBZ1

Project:

Dragoon Compressor Station

Date:

10/4/2021

Project Number:

TE014219024.0002

Logged By:

David Stainback, P.G.

Drilled By:

Drill Pro

Elevation:

Detector:

PID

Drilling Method:

HSA

Sampling Method:

Continuous core barrel

Gravel Pack:

N/A

Seal:

Bentonite Chips

Grout:

N/A

Casing Type:

N/A

Diameter:

N/A

Length:

N/A

Hole Diameter:

4.25"

Depth to Liquid:

N/A

Screen Type:

N/A

Slot:

N/A

Diameter:

N/A

Length:

N/A

Total Depth:

45'

Depth to Water:

N/A

| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Soil/Rock Type | Lithology/Remarks | Well Completion |
|------------------------|------------------|-------------|----------|----------|------------------|------------|----------------|--|-----------------|
| | | | | | 0 | | | | |
| | | | | | 4 | | | | |
| | | | | | 8 | 3 4' | SC | 6-10' clayey VFg Sands, some Mgs 9-10', brown, no stain/odor, moist | |
| | | | | | 12 | 2 5' | SP | 10-15' Fg - Mg sands, loose, brown, no stain/odor, poor recovery | |
| | | | | | 16 | 2 8' | SW | 15-25' Fg - lg Sands, loose, moist, tan, poor recovery 15-25' | |
| | | | | | 20 | 2 1' | | 20-25', some small gravels | |
| | | | | | 24 | 2 5' | | 20-25', grains increase w/ depth | |
| | | | | | 28 | 1.5 5' | SP | 25-35' Fg Sands w/ some Mg Sands, brown, dense, moist, no stain/odor, poor recovery 25-30' | |
| | | | | | 32 | 2.5 5' | | 35-39.5' clay, little Fg Sands, low plasticity, no stain/odor, brown, stiff | |
| | | | | | 36 | 3.5 5' | CL | 39.5-45' Fg - Mg Sands, loose, more moist, no stain w/SL odor 40-42', fine clay | |
| | | | | | 40 | 2 5' | SP | TD @ 45', backfill hole w/ bentonite & native | |
| | | | | | 44 | 2 5' | | | |
| | | | | | 48 | | | | |
| | | | | | 52 | | | | |
| | | | | | 56 | | | | |
| | | | | | 60 | | | | |