

Location Henning, Bell City, LA Date 10-28-19Project / Client Henning

0526033

Weather: Hi: 74, Sunny

People on site:

11:00 Arrive to site

Shawn, Todd, Katie, Wayne on site

11:05 Chris Miller on site

11:10 Derrick on site

11:15 Mike on site

11:40 Mike starting GRM Survey at immediate area

11:40 Wayne + Katie site walk

13:40 Site walk w/ Katie

14:45 ~~1st~~ PFB First location scouted - See Soloactor Picture14:50 ~~2nd~~ PFB Second location scouted - " " "

14:55 Third location scouted - " " "

15:00 Fourth location scouted - " " "

15:05 5th location scouted

- Submerged; will need a Marsh Master to access - see picture

15:20 6th location scouted

- Brush too thick to drive through (lots of trees) - see picture PFB

15:30 7th location - See Picture15:40 8th location - See Picture*Henning*Location Hayes, LA Date 10-28-19Project / Client Henning

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1545 - 9th location - See Pictures1550 - ^{10th} 11th location - See Picture1555 - 12th location - too wet to get to - See Picture1600 - 13th location - See Picture1605 - 14th location - See Picture

- Too thick to travel via UTV

1610 - 15th location - See Picture

- Too thick to travel w/ UTV

1620 - 16th location - See Picture

- Right off Berm

1640 - Katie off site

Henning Rate in the Rain

Location Henning; LA, Bell City Date 10-29-19

Project / Client Henning → Chevron

0526033

- Weather - overcast; humid; 68- mid/hi 70's
 Personnel onsite upon arrival @ 8:30
 - Mike, Chris (Icon); Katie arrived @ 8:35
 - Shawn (ERM) - Wayne Landry
 - Ted (HET) arrived @ 8:40
 - Representative for → Jerry Fontenot @ 8:35
 - Drill crew (ICON) @ 8:50 ← HL Hawkins
 - Jay (Icon) on site @ 9:10
 - 0955 - Geoprobe heading out to do EC⁺HPT probe
 7822 DT
 - 1020 - Blake Lavigue from DNR arrived
 - BREAK for Lunch @ ~11:15; Return @ 12:30
 - EC/HPT probe start at 12:45
 - HPT probe was not used because they
 could not calibrate correctly
 - EC probe start @ 1:30
 - EC probe end @ 1:55 to 72'
 - See pictures of EC log
 - ~~H-1~~ Boring start @ 2:05
 - H-1

Shawn

Location

Date 10-29-19

Project / Client

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ERM

ID	Depth	Description	PID B	EC Top	EC Bot	EC Top	EC Bot
H-1	(0-4')						

Recovery	2.5'		0.0	0.0	1.36	6.33	700 PPS
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clayey silt to ^{clay} silt, dark gray (10YR 4/1)
 to yellowish brown (10YR 5/4); compositional
 + color change at 1.7'; No odor; damp;
 M. stiff; rootlets near top
 Icon photo 1

4-8'	PID B	EC Top	EC Bot	EC Top	EC Bot	
3.2' Recovery	0.0	0.0	7.06	3.04	4.09	4.41

silt clay; yellowish brown (10YR 5/4);
 fine sand layer at 2.9', very pale brown
 (10YR 8/2); Damp; M. stiff; No odor;
 calcite nodules @ 1.0-1.2'; Manganese
 nodules @ 1.6'; orange mottling photo 2-3

8-12'	PID T	PID B	ICON ECTop	EC Bot	ERM ECTop	EC Bot
4' recov.	0.0	0.0	6.29	3.05	3.67	4.95

Sandy clay .1-.5'; brownish (10YR 5/3) w/ some clay
 silty clay .5-2.4'; yellowish brown (10YR 5/3) intermittent silt
 lenses
 calcite and shell layer 2.4-2.9';
 clay 2.9-4'; dark yellowish brown (10YR 4/6);
 No odor; damp; M. stiff
 See pictures

Shawn

Location Bell City/Hayes, LA Date 10-29-19
 Project / Client Henning - Chevron 0526033

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
12-16'						
4' Recov.		0.0	7.08	5.47	4.36	3.43

silty clay, light brownish clay (10YR 6/2), intermittent silt layers; damp; No odor; stiff; orange mottling No photo -

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
16-18'						
2.8' Recov.		0.0	4.63	4.96	1.4	2.96

Clayey silt; light brownish gray (10YR 6/2) intermittent silt layers; damp; No odor; Bright orange mottling at base of core; M. stiff photos - 2

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
18-20'						
1.7' Recov.		0.0	Not taken	3.03	1.7	1.75

clayey silt; Pale brown (10YR 6/3), intermittent silt layers; damp; M soft at top M. stiff at bottom; orange mottling near top + bottom No photo

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
20-22'						
3.8' Recov.		0.0	2.65	2.67	1.46	1.66

clay, yellowish brown (10YR 5/4); damp; stiff; No odor - See photos - 2

M. S. Zwick

Location Bell City/Hayes, LA Date 10-29/19
 Project / Client Henning - Chevron 0526033

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
22-24'						
2.3' Recov.		0.0	Not taken	2.55	1.68	1.59

clay; light yellowish brown (10YR 6/4); M. stiff grading to M soft; No odor; damp See photo - 1

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
24-26'						
2.6' Recov.		0.0	2.47	2.85	1.66	1.85

silty clay today; Pale brown (10YR 6/3); M. soft to M. stiff; No odor; damp; orange mottling near base; decreasing silt content w/ depth see photos

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
26-28'						
2' Recov.		0.0	3.30	3.75	2.18	2.41

clay; light brownish gray (10YR 6/2); stiff; No odor; damp; slight orange mottling near top see photo

	PID Top	PID Bot	ICON	ERM	EC Top	EC Bot
28-30'						
3.2' Recov.		0.0	2.48	3.45	1.8	2.06

clay to silty clay; light brownish gray (10YR 6/2); M. stiff to M. soft; No odor; damp; orange mottling near top; silt comp see photo

M. S. Zwick

Location Bell City/Hayes, LA Date 10-29-19

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	ICON		ERM			
30-32'	PID top	PID bot	EC top	EC bot	EC top	EC bot
2.2' Recov		0.0	3.45	3.06	2.2	1.95

clayey silt; yellowish brown (10YR 5/4) grading to pale brown (10YR 6/3); soft to M. stiff; damp; No odor; see photos

	ICON		ERM			
32-34'	PID top	PID bot	EC top	EC bot	EC top	EC bot
4' Recov		0.0	3.62	3.99	2.45	2.49

clay; Brown (10YR 5/3); calcium nodules, orange mottling, v. stiff; No odor; damp; see photos

	ICON		ERM			
34-36'	PID top	PID bot	EC top	EC bot	EC top	EC bot
4' Recov		0.0	2.10	1.95	2.48	2.44

grading clay; Brown (10YR 5/3); orange mottling; stiff to soft; damp; No odor @ 3.5' see photos

	ICON		ERM			
36-38'	PID top	PID bot	EC top	EC bot	EC top	EC bot
2.6' Recov		0.0	2.53	1.91	2.67	2.29

silty clay, grad light olive brown (10YR 5/4); slight orange to clayey silt; mottling; soft to v. soft damp; No odor see photos

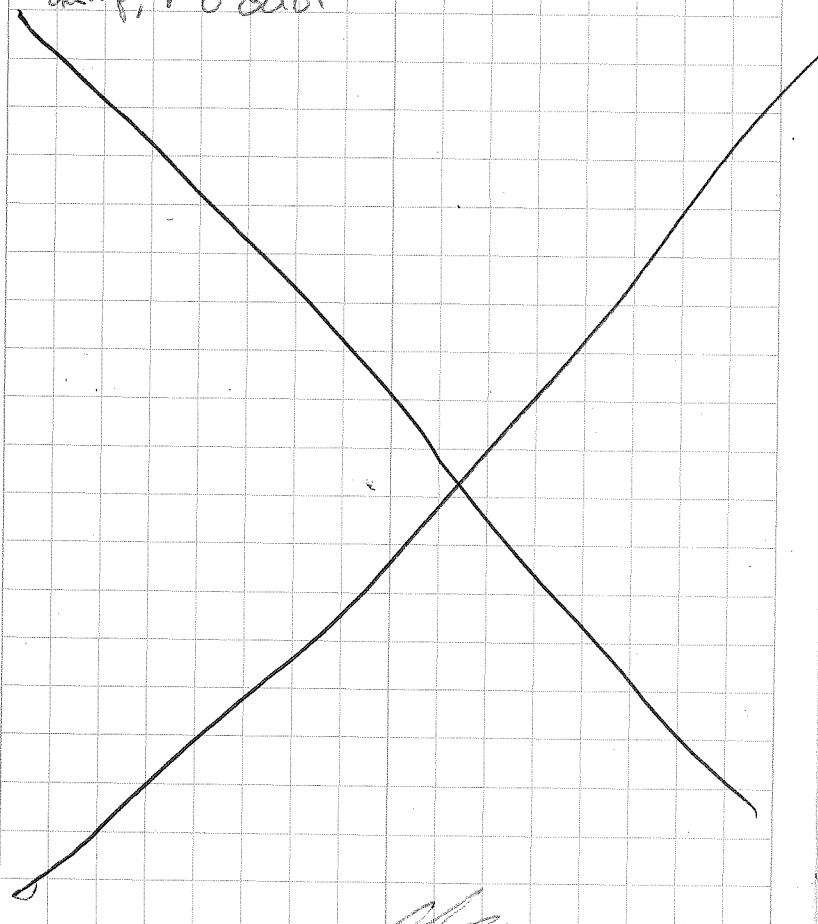
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Location Bell City/Hayes, LA Date 10-29-19

Project / Client Henning - Chevron 0526073

	ICON		ERM			
38-40'	PID top	PID bot	EC top	EC bot	EC top	EC bot
Recov	0.0	0.1	2.08	2.25	2.51	2.58

silty clayey sand (yellowish brown (10YR 5/4); Fine to medium); loose; wet; clay layer 3.7-4.0'; M. soft; damp; No odor



[Signature]

16 Location Bell City/Hayes LA Date 10-30-19

Project / Client Henning 0526033

Weather - Foggy - High chance of Rain

Onsite @ 0755

- Drillers (Jay, Mason, and Mike) (ICON) onsite on arrival
- Chris (ICON) onsite on arrival
- Todd (HET) onsite at 0755
- Jay and Mason went to H-1 to set up
- United Rentals arrived w/ UTV @ 0810
- Jerry Fontenot arrived @ 810
- Mike (ICON) arrived @ 810
- Kate (ICON) arrived @ 815
- Drillers pulled up more core @ 815

	ICON		ERM			
40-42'	PID Top	PID bot	EC top	EC bot	EC top	EC bot
4' Reson		0.0	2.17	1.60	2.56	1.93

Silty clay to sand, Brown (10% S/3); wet; M. stiff
~~at top to soft at bottom~~; no odor;
 orange mottling
 see photos

- Wayne on site at 825

	ICON		ERM			
42-44'	PID Top	PID bot	EC top	EC bot	EC top	EC bot
3.7' Reson		0.0	0.89	1.96	1.56	2.29

Clay; Brown (10% S/3); damp; stiff; No odor; orange mottling
 - ICON splitting samples for PID bags (Top portion going in bottom bags and Bottom to top bags)
 see photos

Location Bell City/Hayes LA Date 10-30-19 17

Project / Client Henning 0526033

Weather - Foggy - Will rain today

splitting samples: (H-1)

42-44'	(10-30-19)	0835
32-34'	(10-29-19)	1645
10-12'	(10-29)	1550
6-8'	11	1450
0-2'	Not enough sample to split	

- Well will be set at 35-40'
- Drillers start grouting EC hole and initial bore location at 0850 (44-45 gallons used on 1st hole) PFB
 see picture

- Chris and Mike going to GEM survey at 0930
- Well setting starting at 0955
 see picture

- Screened sock tapped w/ electrical tape to secure @ 950
- 3/4" PVC well, No casing
- Native collapse @ 23' so no sand used
- Borehole pellets in well @ 10:05 to 30'

H-1 location - 0508287, 3327846

- Grouted second (EC hole) at 10:20 (12 gallons used for 1st hole)

Location Bell city/Hayes, LA Date 10-30-19

Project / Client Henning 0526033

Weather - Not raining until evening


- Broke for lunch @ 11:15
- began mobilizing to new location @ 12:45
- Chris and Mike at site @ 12:50
- rain forcing us to trucks @ 1:35
- Drilling starting @ 02:20 for H-2
- logging start at @ 2:50

	ICON		ERM			
0-4'	PID top	PID bot	EL top	EL bot	EL top	EL bot
2.4' Recov	0.0	0.0	0.97	1.69	1.36	1.67

2.5" top soil (Black [10YR 3/1]); rest silty very dark clay (10YR 3/1); M stiff at top, to M soft at bottom; damp; orange mottling; increase in silt near bottom; no odor See photos

	ICON		ERM			
4-8'	PID top	PID bot	EL top	EL bot	EL top	EL bot
1.8' Recov		0.0	1.91	2.03	1.86	1.94

silty clay, yellowish brown (10YR 5/4) with siltier layer (dark gray [10YR 4/1]); M stiff in silty clay but M soft in siltier; dark gray portion; no odor; damp See photos

See photos


Location Bell city/Hayes, LA Date 10-30-19 19

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ICON: ERM

8-12'	PID top	PID bot	EL top	EL bot	EL top	EL bot
3.6' Recov	0.0	0.00	2.04	1.19	2.43	1.93

silty clay (yellowish brown [10YR 5/4]) to .7; clayey silt (dark gray [10YR 4/1]); very stiff silty clay and v. soft clayey silt; 1.3 to 2.6 see silty clay; shell layer at 2.6 to 3.2; 3.2 to 3.7 see silty clay; damp; No odor see photos

	ICON		ERM			
12-16'	PID top	PID bot	EL top	EL bot	EL top	EL bot
4' Recov	0.0	0.0	2.48	2.41	2.98	1.83

silty clay (gray [10YR 5/1]); M stiff; damp; orange mottling throughout; No odor; see photos

	ICON		ERM			
16-20'	PID top	PID bot	EL top	EL bot	EL top	EL bot
3.2' Recov	0.0	0.0	2.62	3.28	2.92	3.03

silty clay (gray [10YR 5/1]); M stiff at top - M stiff at bottom; ^{IFB} increases silt lenses near bottom 2.3 - 3.2'; damp; no odor; orange mottling see photos

See photos


Location Bell City/Hayes, LA Date 10-30-19Project / Client Henning 0526033

	Iron			ERM		
20-24'	PID top	PID bot	EL top	EL bot	EL top	EL bot
4' Recov	0.0	0.0	2.36	2.04	2.80	2.53

silty clay [gray (10YR 6/1)], M stiff grading to V. stiff; decrease in silt content w/ depth; damp; no odor; orange mottling; see photo

	Iron			ERM		
24-26'	PID top	PID bot	EL top	EL bot	EL top	EL bot
3.4' Recov		0.0	2.32	2.30	2.74	2.8

silty clay [gray (10YR 4/1)]; M. stiff; No odor, damp; orange mottling; see photo ERM

	Iron			ERM		
26-28'	PID top	PID bot	EL top	EL bot	EL top	EL bot
3.4' Recov		0.0		2.27	2.79	2.26

SAA

	Iron			ERM		
28-30'	PID top	PID bot	EL top	EL bot	EL top	EL bot
4.0' Recov			1.44	2.42	2.36	1.07

SAA; V. stiff; some dark nodules and mottling; see photos

	Iron			ERM		
30-32'	PID top	PID bot	EL top	EL bot	EL top	EL bot
3.4' Recov		0.0	2.22	2.24	2.77	2.84

SAA; V. stiff; increasing silt comp at bottom; dark brown nodules

Location BELL City/Hayes, LA Date 10-30-19Project / Client Henning 0526033

	Iron			ERM		
32-34'	PID top	PID bot	EL top	EL bot	EL top	EL bot
2.8' Recov		0.0	2.06	2.78	2.44	2.48

SAA; V. stiff; no odor, damp to 0.7'; 0.7' to 1.6 clayey silt, wet, no odor, soft; silty clay, V. stiff, No odor, damp 1.6 to 1.9'; back to soft silt until 2.4' and then again clay to 2.8'

	Iron			ERM		
34-36'	PID top	PID bot	EL top	EL bot	EL top	EL bot
2.2' Recov		0.0		2.77		3.02

clayey silt; brown (10YR 5/3); wet at bot and damp at bottom (sharp contact at 1.0'); increasing clay content w/ depth; V. soft to M. stiff at 1.0';
 - only one EC due to 2.2' recovery
 - Drillers gated H-I, but I did not observe (after setting) (12-3 hours)
 - Offsite at 4:30

Location Hayes, CA

Date 10-31-19

Project / Client Hennings

Weather - Cold, wet

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- Onsite @ 755
- Todd (HET) onsite @ 755
- Dave (ERT) onsite @ 755
- Site walk to H-1 w/ Dave Anyle
- Dave and I arrived at Drill location @ 0830

- At location: Katie (ICON) and drillers (Dylan, Mason, and Jay)

- No new hole will be drilled
- Samples split from yesterday (H-2):

HZ¹⁶¹⁰ 34-36 - cannot split (ICON tank)

HZ- 1555 - 28-30 - samples split

HZ- 1510 - 10-12 - sample split

HZ- 1500 - 4-8 - cannot split (ICON tank)

HZ- 1450 - 0-2 - cannot split (ICON tank)
Due to sample size

- Re entered borehole from yesterday to set well
- Native collapse at 32'
- Sand to 29'
- Katie arrived at H-2 at 09:00
- Pel-Plug bentonite pellets added to seal - to 26'

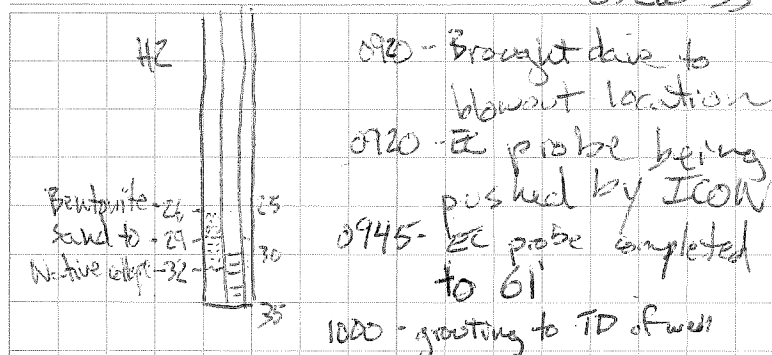
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Location Hayes, CA

Date 10-31-19

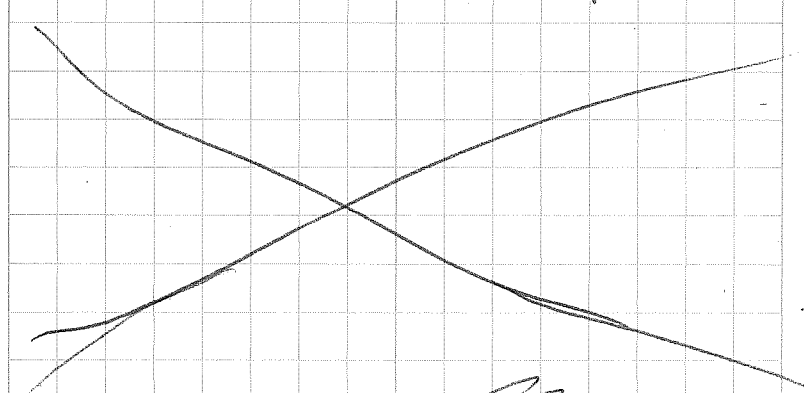
Project / Client Hennings

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HZ-coordinates: 0508071, 3328241

- Drillers mobilizing to H-3
- Break for lunch @ 1140
- 1230 - site walk to H3 w/ Dave
- 1230 Charles on site
- 1250 - EC probe start - see photos



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Katie on site Hennings


Location Hayes, LA

Date 11/11/19

Project / Client Henning

Weather - Clear skies /

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~~0526033~~

- 1000 Patrick Bardin (CFM) on site
 1005 Kate (Icon) on site
 1005 Todd (HET) on site
 1015 Dylan (Driller-Icon) on site
 1100 Mobilize to blow out (H-9)
 1108 photo - H-9 site location
 - H-9 being set 50-55'
 adjacent to sampling hole
 - Beamed to 20'
 1145 Icon putting tapped screened sack
 section down hole (see photos)
 1150 pulling up casing, well is
 stuck, see photo
 1205 photo of original H-9 hole
 near blowout
 1210 relative collapse at 49'
 1215 No sand; Bentonite to 43'
 1220 pulling out 3 1/2" casing (photo)
 1240 Mobilize to H-11
 1245 Photo of H-11
 1255 Break for lunch
 1400 Setup for EC probe at H-11
 1445 Begin EC probe push
 1510 EC probe completed 

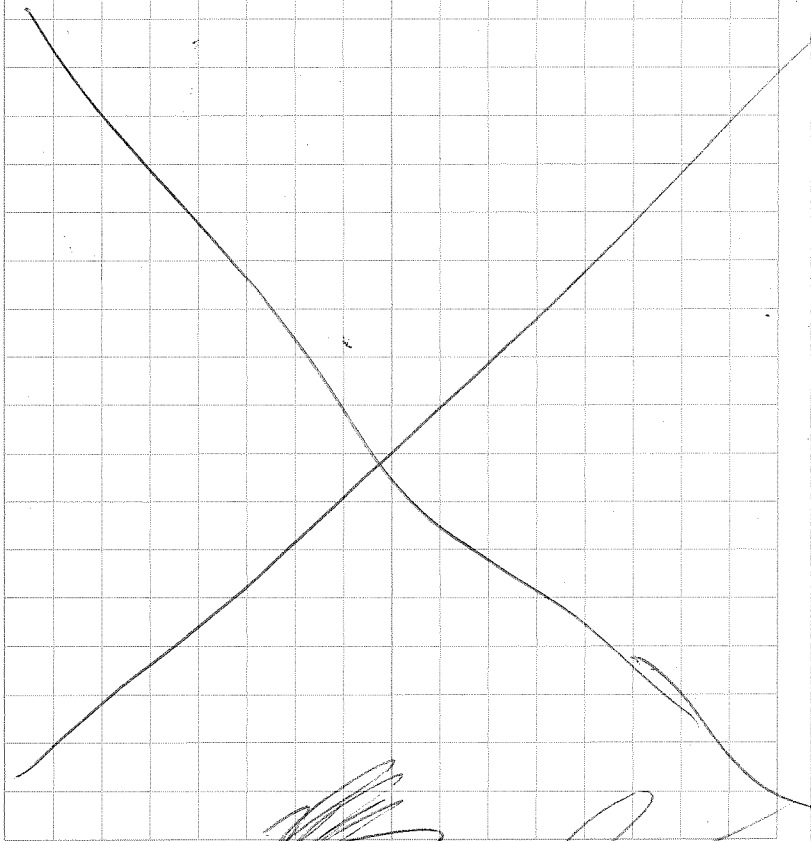
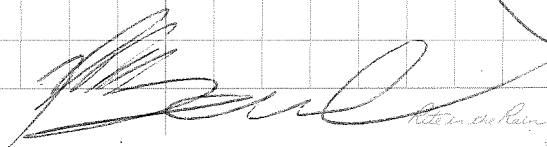
Location Hayes, LA

Date 11/11/19

Project / Client Henning

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- 1515 Drill crew going to grout H-9
 to surface
 -10 gallons used
 1535 Drill crew going to grout H-11
 to surface
 1630 off site

Location Hayes LA

Date 11/12/19

Project / Client Hennings

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- 0730 Patrick Bredoin (ERM) and
~~Katie~~^{FFS} + Drill crew (ICON) onsite
 0830 Drill crew mobilized to site H-11
 0845 Katie^(Icon) on site
 0850 Drilling crew start ^{drilling} installing ~~at~~^{FFS} @ H-11
 0920 Logging start

	ICON		ERM			
	PID top	PID bot	EC top	EC bot	EC top	EC bot
0-4'						
2.7' recs	0.1	0.1	1.00	2.22	NT	NT

0-0.3' silty clay, ^{dark brown (10YR 3/3)} light grayish brown (10YR 4/2)
 0.3-1.0' fine sand, light grayish brown (10YR 4/2)
 1.0-2.7' silty clay, very dark brown, M stiff
 No odor, damp; gravel @ 1.0'
 See picture

	ICON		ERM			
	PID top	PID bot	EC top	EC bot	EC top	EC bot
4-8'						
3.7' recs	0.1	0.0	3.09	3.35	NT	NT

^{dark brown (10YR 3/3) gravel}
 clay, light brownish gray (10YR 6/2),
 M. stiff; No odor, damp; orange
 mottling throughout

Location Hayes LA

Date 11/12/19

Project / Client Hennings

So cold

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	ICON		ERM			
	PID top	PID bot	EC top	EC bot	EC top	EC bot
8-12'						
4.0' recs	0.0	0.0	2.89	2.89	3.01	3.51

clay, light brownish gray (10YR 6/2) to silty
 clay (gradual transition), M stiff w/
 soft area @ 2.7' to 3.2'; shell layer
 from 3.5-4.0'; No odor, damp, orange &
 black mottling

	ICON		ERM			
	PID top	PID bot	EC top	EC bot	EC top	EC bot
12-16'						
4.0' recs	0.0	0.0	2.89	3.51	4.73	4.73

clay; light brownish gray (10YR 6/2), M.
 stiff; No odor; damp; orange mottling;
 few silt lenses

	ICON		ERM			
	PID top	PID bot	EC top	EC bot	EC top	EC bot
16-20'						
3.9' recs	0.0	0.0	3.83	4.17		

Same as above

Location Hayes LA

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	ICON				ERM	
	PID top	PID bot	EC top	EC bot	EC top	EC bot
20-22'						
2.7' Recor	0.0		2.95	NT	NT	NT

- Same as above
- ICON took 3 EC's and recorded highest of the 3

	ICON				ERM	
	PID top	PID bot	EC top	EC bot	EC top	EC bot
22-24'						
3.2' Recor	0.0		3.42	NT	NT	NT

- Same as above

	ICON				ERM	
	PID top	PID bot	EC top	EC bot	EC top	EC bot
24-26'						
2.7' Recor	0.0		2.77		NT	NT

- Same as above except V. stiff

Location Hayes LA

Date 11/12/19

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	ICON				ERM	
	PID top	PID bot	EC top	EC bot	EC top	EC bot
26-28'						
3.3' Recor	0.0		2.99	NT	NT	NT

- Same as above w/ v. stiff

	ICON				ERM	
	PID top	PID bot	EC top	EC bot	EC top	EC bot
28-30'						
3.7'	0.0		3.90	NT	NT	

- Same as above with additional calcite nodules throughout

	ICON				ERM	
	PID top	PID bot	EC top	EC bot	EC top	EC bot
30-32'						
3.9' Recor	0.0		4.83	NT	NT	NT

- Same as above w/ increase in calcium nodules

Location Hayes, LA

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	ICON			ERM		
	PID top	PID bot	EC top	EC bot	EC top	EC bot
32-34' 3.0' Rec'd	0.0		5.30	NT	NT	NT

- Same as above w/ an increase @ 2.9 in silt

	ICON			ERM		
	PID top	PID bot	EC top	EC bot	EC top	EC bot
34-36' 2.2' Rec'd	0.0		5.77	NT	NT	NT

0-0.5' clayey silt, light brownish gray (10YR 6/2); soft; damp to wet; No odor

0.5-2.2' silty clay decreasing in silt content; light brownish gray (10YR 6/2) damp; No odor

	ICON			ERM		
	PID top	PID bot	EC top	EC bot	EC top	EC bot
36-38' 3.3' Rec'd	0.0		6.23	NT	NT	NT

silty clay; light brownish gray (10YR 4/2); M stiff, damp, no odor, silt lumps, orange and black mottling

Location Hayes, LA

Date 11/12/19

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	ICON			ERM		
	PID top	PID bot	EC top	EC bot	EC top	EC bot
38-40' 3.4' Rec'd	0.0		7.27	NT	NT	NT

silty clay decreasing to clay; stiff grading to very stiff; grayish brown (10YR 5/2); No odor, damp, orange mottling

	ICON			ERM		
	PID top	PID bot	EC top	EC bot	EC top	EC bot
40-42' 4.0' Rec'd	0.0		7.11	NT	NT	NT

clay; stiff; grayish brown (10YR 5/2); No odor, damp, orange mottling

	ICON			ERM		
	PID top	PID bot	EC top	EC bot	EC top	EC bot
42-44' 3.9' Rec'd	0.0		6.28	NT	NT	NT

clay, stiff, light brownish gray (10YR 6/2); No odor, damp, light orange mottling

Hayes, LA

11/12/19

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	ICON			ERM		
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
44-46'						
4.0' Rec'd	0.0		4.92	NT	NT	NT

- Same as above

	ICON			ERM		
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
46-48'						
4.0' Rec'd	0.0		4.67	NT	NT	NT

- Same as above

	ICON			ERM		
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
48-50'						
4.0' Rec'd	0.0		3.97	NT	NT	NT

- Same as above

Hayes, LA

11/12/19

Henning

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	ICON			ERM		
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
50-52'						
4.0' Rec'd	0.0		4.14	NT	NT	NT

- Same as above except color of dark gray (10 YR 4/1)

	ICON			ERM		
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
52-54'						
4.0' Rec'd	0.0		4.31	NT	NT	NT

- Same as above w/ silty clay layer w/ calcium nodules from 3.1 to 3.4'

	ICON			ERM		
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
54-56'						
3.9' Rec'd	0.0		4.62	NT	NT	NT

clay, stiff, dark gray (10 YR 4/1), damp, No color, some mottling

Location Hayes, LA

Date 11/12/19

Project / Client Henning

0526033

	ICON				ERM	
EL-58'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
4.0	0.0		4.53	NT	NT	NT

- Same as above

	ICON				ERM	
58-60'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}	EC _{top}	EC _{bot}
4.0 Pen	0.0		4.12	NT	NT	NT

- Same as above

NO ZONE For well screening

1235 Drill crew to grout hole

1245 break for lunch

1320 splitting samples

Time Interval Notes

1055	58-60'	split
0940	38-40'	"
0930	8-10'	"
0920	4-6'	"
	0-2'	Not split

Hayes, LA

Date 11/12/19

Project / Client Henning

0526033

H-9 coordinates

0707269 3423878

H-11 coordinates

0607827 3329234

1410 Drill crew set up EC probe at H-12 (see photos)

1520 Drill crew grouting H-12, pulled out EC probe + re-entered same hole to grout

1630 off site

EC probe (H-12) notes:

reentered to 40' w/ 3" tip, then pulled up; reentered hole w/ 3" barrels with expendable tip to 36'; then pushed inside the 3" barrel w/ the 2 1/4" barrels to 80'

Location Hayes, LA

Date 11/13/19

Project / Client Henning

0526033

- 0745 Patrick Boudoin (ERM) and
Drillers (Jay + Dylan - ICON) on site
0810 Mason (ICON) on site
0820 Katie (ICON) and Todd (HET) on site
0855 Drillers + Katie mobilized to
H-12 to soil sample and
grout previous hole from yesterday's
EC probe

1030 Katie offsite to pick up field supplies

1200 Logging start

ICON

	PID top	PID bot	EC top	EC bot
0-4' 1.8' Recor	0.1	NT	1.02	2.29

Silty clay w/ a small sand layer
at 2.5"; very dark gray (10YR 3/1)
gradually changing to dark
grayish brown (10YR 4/2); No odor;
damp, M. stiff, orange mottling

ICON

	PID top	PID bot	EC top	EC bot
4-8' 3.8' Recor	0.1	0.1	3.12	3.58

Silty clay with decreasing silt w/ depth;
dark grayish brown (10YR 4/2) grading to gray
(10YR 5/1); orange mottling; dark layer at
1.2'; No odor; stiff; damp

Location Hayes, LA

Date 11/13/19

Project / Client Henning

0526033

ICON				
	PID top	PID bot	EC top	EC bot
8-12' 4.0 Recor	0.1	0.1	3.24	3.44

silty clay w/ decreasing silt w/ depth;
gray (10YR 5/1); orange and black mottling;
No odor; stiff (decreasing stiffness w/
depth); shells present 3.8-4.0; damp

ICON

	PID top	PID bot	EC top	EC bot
12-16' 4.0 Recor	0.1	0.1	3.83	4.26

silty clay; gray (10YR 5/1); orange mottling;
No odor; stiff; silt lenses at 0.7', 2.55',
2.9', 3.5', 3.6', and 3.9'; damp

ICON

	PID top	PID bot	EC top	EC bot
16-19' 3.0 Recor	0.1	NT	4.93	—

0-0.7' - silty clay, stiff, gray (10YR 5/1), no odor, damp
0.7 - 3.0' - alternating clay and silt, gray
(10YR 5/1); orange mottling; no odor;
M stiff (silt) to stiff (clay), wet layers
at 1.7' and 2.5', otherwise damp

Location Hayes, LA
Project / Client Henning

Date 11/13/19

0526033

ICON				
18-20'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
3.7' Recov	0.1	—	5.98	—

silty clay grading to clay; gray (10YR 5/1); damp; M. stiff; no odor; orange mottling

ICON				
20-22'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
3.7' Recov	0.1	—	2.03	—

silty clay ^{PFB} grading to decreasing in silt content w/ depth; gray (10YR 5/1); stiff; no odor; orange mottling

ICON				
22-24'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
2.0' Recov	0.1	—	1.95	—

clay; gray (10YR 5/1); stiff; no odor; orange mottling

Location Hayes, LA
Project / Client Henning

Date 11/13/19

0526033

ICON				
24-26'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
2.7' Recov	0.1	—	3.54	—

Same as above

ICON				
26-28'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
3.3' Recov	0.0	—	3.30	—

Same as above

ICON				
28-30'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
3.2' Recov	0.0	—	2.27	—

clay; gray (10YR 5/1); stiff; no odor; orange and black mottling; some calcite nodules

Location Hayes, LA
Project / Client Hemming

Date 11/13/19

0526033

ICON				
30-32'	PID top	PID bot	EC top	EC bot
3.4 Recov	0.0	—	4.48	—

Same as above w/ large calcite nodules at 0.7 or impacted silt

ICON				
32-34'	PID top	PID bot	EC top	EC bot
2.4 Recov	0.1	—	2.97	—

silty clay grading to clayey silt. gray (10YR 5/1), stiff to M. stiff (decrease in stiffness w/ depth), no odor, damp, orange mottling

ICON				
34-36'	PID top	PID bot	EC top	EC bot
2.7 Recov	0.0	—	3.82	—

clayey silt grading to clay; gray (10YR 5/1) stiff; no odor, damp, orange mottling

Location Hayes, LA
Project / Client Hemming

Date 11/13/19

0526033

ICON				
36-38'	PID top	PID bot	EC top	EC bot
3.9 Recov	0.0	—	4.11	—

Alternating layers of silty clay and clay; gray (10YR 5/1); M. stiff, damp; orange mottling

ICON				
38-40'	PID top	PID bot	EC top	EC bot
4.0 Recov	0.1	—	6.17	—

silty clay; gray (10YR 6/1); stiff; damp; no odor; orange mottling

ICON				
40-42'	PID top	PID bot	EC top	EC bot
3.6 Recov	0.1	—	5.28	—

clay; gray (10YR 6/1); v. stiff; damp; no odor; decrease in orange mottling w/ depth

Location Hayes, LA
Project / Client Henning

Date 11/13/19

0526033

ICON				
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
42-44' 4.0' Recov	0.0	-	5.31	-

clay (gray - 10YR 6/1), v. stiff, damp, no odor, some orange mottling

ICON				
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
44-46' 3.7' Recov	0.1	-	6.01	-

same as above but grading from stiff to M. soft w/ depth

ICON				
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
46-48' 2.9' Recov	0.1	-	11.53	-

silty clay to clayey silt (gradual transition); gradual transition from stiff to M. soft; gray (10YR 5/4); damp; no odor

Location Hayes, LA
Project / Client Henning

Date 11/13/19

0526033

ICON				
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
48-50' 3.3' Recov	0.1	-	16.61	-

clayey silt grading to silty clay, gray (10YR 6/1), v. soft and wet grading to M. soft and damp at bottom; No odor, orange mottling

ICON				
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
50-52' 3.1' Recov	0.1	-	Over range	-

clayey silt; very soft and wet to M. soft and damp at bottom (gradual transition); no odor; grayish olive (10Y-5G) 5/2

ICON				
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
52-54' 3.6' Recov	0.2	-	Over Range	-

silty sand, fine grained; wet; greenish gray (GLEY 1 5/10G); No odor; v. soft at top to M. soft at bottom

Hayes, LA

11/13/19

Henning

0526033

1445 Drillers going to set well
 - Pulling out and recentering
 hole w/ discreet tip to TD
 of well

1545 PIDs taken

Well specs for H-12

- Screened 50-60
- Native @ 50
- SAND to 47'
- Bentonite to 43'
- 16 gallons of grout used for

Samples to be split:

Time	interval	notes
1200	0-4	Not split
1205	4-6	split
1215	8-10	"
1330	38-40	"
1355	48-50	"
1405	52-54	"

H-12 coordinates

1640 0508067 3328.235
 offsite

Hayes, LA

11/14/19

Henning

0526033

0750 Patrick Baudoin (EFM) onsite
 - Drillers Mason and Jay (ICON) here

0800 Dylan (ICON) and Todd (HET)
 on site

0825 Grouting finished at H-12

0830 Mobilizing to new site
 - see picture

0915 EC probe start

0945 EC probe end at ~60'

1005 Soil boring start

1050 Logging start

ICON				
0-4	RD top	RD bot	EC top	EC bot
2.7' Peak	0.0	10.0	1.80	3.26

clay, dark gray (10YR 4/1); stiff,
 damp; no odor; orange mottling;
 Particls in top 0.6'

ICON				
4-8	RD top	RD bot	EC top	EC bot
3.8' Peak	0.0	0.0	3.43	3.67

clay; light gray (10YR 7/1); stiff, damp
 No odor; orange + black mottling

Hayes LA

11/14/19

Henning

0526033

	ICON			
8-12'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
4.0' Recov	0.0	0.0	3.76	3.31

clay gradually increasing to silty clay, gray (10YR 7/1); silt lenses throughout, shell layer from 3.0 - 3.5'; M. stiff and to soft in silt; No odor; damp

	ICON			
12-16'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
4.0' Recov	0.0	0.0	3.89	2.91

silty clay; gray (10YR 6/1); silt lenses at 3.0, 3.2, and 3.4'; V. stiff; damp; no odor; orange mottling

	ICON			
16-20'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
4.0' Recov	0.0	0.0	2.45	2.67

clay; gray (10YR 6/1); silt lenses throughout; stiff; soft from 1.4 - 1.7; No odor; orange mottling from 0.0 to 1.0; damp

[Signature]

Hayes, LA

11/14/19

Henning

0526033

	ICON			
20-22'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
3.1' Recov	0.0	—	1.93	—

clay; light gray (10YR 7/1); stiff; orange mottling; no odor; damp

	ICON			
22-24'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
3.2' Recov	0.0	0.0	1.87	—

Same as above

	ICON			
24-26'	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
3.9' Recov	0.0	0.0	1.87	—

Same as above with silt lense at 0.9 to 1.1'

[Signature]

Hayes, LA

11/14/19

Henning

0526033

	Flow			
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
26-28' 3.5' Recov	0.0	—	1.91	—

Same as above

	Flow			
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
28-30' 3.8' Recov	0.0	—	2.52	—

clay, gray (10 YR 6/1), stiff, damp,
 No odor, orange and black
 mottling, calcite nodules from
 0.7' to 1.5'

	Flow			
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
30-32' 3.7' Recov	0.0	—	2.03	—

Same as above w/ calcite
 nodules at 2.0'

Hayes, LA

11/14/19

Henning

0526033

	Flow			
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
32-34' 3.6' Recov	0.0	—	2.15	—

Same as above

	Flow			
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
34-36' 2.3' Recov	0.0	—	1.47	—

silty clay, gray (10 YR 6/1), soft,
 damp, no odor, orange mottling,
 v. soft from 1.0 to 1.6'

	Flow			
	PID _{top}	PID _{bot}	EC _{top}	EC _{bot}
36-38' 3.2' Recov	0.0	—	2.26	—

clay, gray (10 YR 6/1), stiff, damp,
 No odor, orange mottling

Location Hayes, LA
Project / Client Hennings

Date 11/14/19

0526033

		ICON		
38-40'	PID _{top}	PID _{bot}	EL _{top}	EL _{bot}
3.4' Recov	0.0	-	2.09	-

Same as above

1340 groot hole @ H-13 + mobilizing to H-14

Sampling

H-13	time	interval	Note
	1310	38-40'	split
	1155	12-14'	split
	1100	8-10'	split
	1100	4-6'	split
	1050	0-2'	1/3 taken

- No well set at H-13

H-13 coordinates

0507789, 3328106

1430 Drill crew setting up HPT probe at H-14

1600 offsite

Location Hayes, LA
Project / Client Hennings

Date 11/15/19

0526033

0735 Patrick Padden (ERM) + Drillers Mason + Jay (ICON) on site

0800 Todd (HET), Katie + Dylan (Icon) on site

0820 ICON to start HPT probe

0830 2 pictures of HPT setup @ H-14

0855 HPT start

0930 HPT probe END to 65'

0935 - Pictures of results

0935 Drill crew to groot HPT hole (2 buckets worth of groot to surface)

H-14 coordinates:

0507827, 3328103

1005 Drillers (Icon) offsite

1010 Patrick Padden (ERM) offsite

Location CALCASIE/JSD PAPER Date 10/20/19

Project / Client 0526033 HEAVENLY MANAGEMENT

SHAWN WILGINS

- 1035 ARRIVE ON SITE -
TODD WEBB (HET) ON SITE
WAYNE LADDY (UNITED) ON SITE
- 1050 KATIE CUMMINS (ICON) ON SITE
- 1055 PATRICK BAUDOIN (ERM) ON SITE
CONDUCT SAFETY MEETING
- 1100 CHRIS MILLER ON SITE
- 1115 MIKE MILLS ON SITE (ICON)
- 1125 KATIE GOING W/ DRAKE
(BOARDWALK PIPELINE PARTNERS)
TO CLEAR A BEGINNING LOCATION
- 1140 KATIE BACK @ TRUCKS
MIKE SETTING UP GEM EQUIPMENT
CHRIS FLYING DRONE
- 1202 ① PHOTO OF MIKE PERFORMING
GEM SURVEY BY 20634A WELL
PAD
- 1250 MIKE PREPARING TO SURVEY OUT TO
~~WEST~~ EAST
- KATIE SAYS THEY WILL USE
GEOPROBE TUESDAY & WEDNESDAY,
MARSH MASTER BEGINNING THURSDAY
 - WE WILL NEED UTV THURSDAY

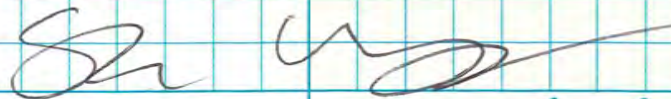


Location CALCASIE/JSD PAPER Date 10/20/19

Project / Client 0526033 HEAVENLY MANAGEMENT

SHAWN WILGINS

- 1310 BEGIN GEM SURVEY IN OVERGROWN
AREA EAST OF WELL PAD
- DRAGGING EQUIPMENT IN SLED
BEHIND UTV
- 1335 CHRIS & MIKE BACK AT TRUCKS,
ALSO SURVEYED AREA TO WEST
OF PAD
- WILL ATTEMPT TO MARK
PERIMETER
- 1345 KATIE, TODD, AND PATRICK OFF
SITE FOR LUNCH
- 1400 ② PHOTO OF GEM SETUP IN SLED
- CHRIS & MIKE GOING TO FILL IN
GAPS IN AREAS ALREADY SURVEYED
- KATIE BACK ON SITE
- 1418 CHRIS & MIKE BACK AT TRUCKS
- 1420 PATRICK BACK ON SITE
TODD BACK ON SITE
- 1441 PATRICK AND KATIE SCOUTING
OUT PROPOSED SAMPLE LOCATIONS
- 1505 ICON BEGIN GEM SURVEY
AROUND 4:135



Location CAZ CASIEU / JD PARISH Date 10/28/19Project / Client 0526033 HENNING MANAGEMENTSTANWIL WIGGINS

1630 DRIVE w/ GEN SURVEY @ 44135

1645 DRIVE BY 128241

- UNDER ~12" WATER ACROSS
WHOLE AREA

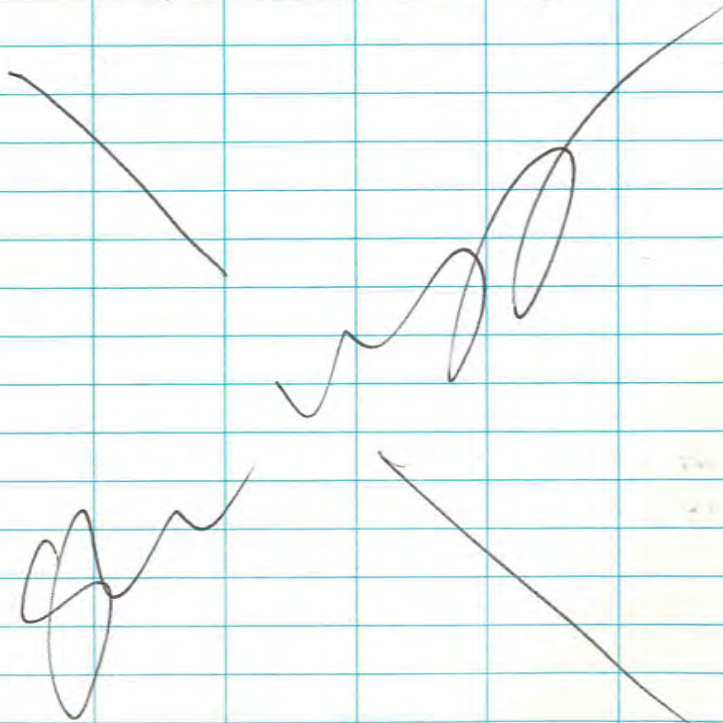
1650 BACK AT TRUCKS

1710 MIKE MILLS TRUCK STUCK

- CHRIS HELPING PULL OUT

- LEAVE SITE - ALL PERSONNEL

EXCEPT CHRIS & MIKE OFF SITE

Location CAZ CASIEU / JD PARISH Date 10/29/19Project / Client 0526033 HENNING MANAGEMENTSTANWIL WIGGINS

0725 ARRIVE ON SITE

0735 WAYNE LADDY ON SITE

0740 CHRIS MILLER (ICON) ON SITE

0750 MIKE MILLS (ICON) ON SITE

0800 ICON PREPPING FOR GEN

SURVEY AROUND 128241

0829 (3) PHOTO OF CHRIS MILLER

PERFORMING GEN SURVEY AROUND

128241, WATER ~12" DEEP

0830 PATRICK BAUDIN (EXM), KATIE

COMMINGS (ICON), TODD WEBB (HEI),

JERRY FOREMAN ON SITE

0840 DYLAN WHITE (ICON) ON SITE

- SAFETY MEETING CONDUCTED

0910 JAY LULLPPEL (ICON) ON SITE

& MASON JOURNELL

- ICON UNLOADING GEOPROBE RIG

& SETTING UP EQUIPMENT

1007 (4) PHOTO OF GEOPROBE RIG

1020 BLAKE ^{LANDON} CDNR ON SITE

- CAME TO ASK QUESTIONS TO

WAYNE, NOT RELATED TO

ICON'S WORK

Location Hennig Management Date 10/31/19 31

Project / Client Cameron Parish, LA

Heyes Oil & Gas Field 0526033

800 AM I arrive at site. Patrick Boudin (ERM) is here. I can ^{Cummins} Katy is here. Cloudy + cold ~ 45°F. Patrick has 4-wheeler here and I can does as well. I can has Geopipe track mounted drill rig.

817 (P) # 1 of I can well H-1 looking east, screening 35-40'. Patrick is showing me around while we wait on I can.

825 (P) # 2 looking west at old Heyes unit 1 Tank Battery location. United World Energy Corporation sign.

827 (P) # 3 at well head in tank battery area, looking west. No sign.

830 (P) # 4 of old tank battery area looking west.

835 Todd Webb + Katy Cummins (I can) are here.

(MET)

Dan S. G. 10/31/19 in the rain

Location Hennery Management Date 10/31/19Project / Client Cameron Parish, LAMayer Oil + Gas Field 0526033

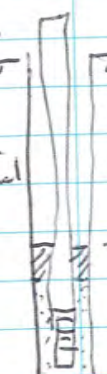
870 ① # 5 of Icon location H-2
looking north. Icon ^{drill crew} ~~drill crew~~ ^{is using}
barrels down to 35' with
disposable point to set
screen 30-35'. 3/4" PVC
wells + screen.

② # 6 of trash in front of H-2
looking south. Trash appears to
have been placed recently.

850 ③ # 7 of SN 213760
United World Energy Corporation
VUA; Mayer Oil + Gas looking
south.

900 Pa 8 of Icon driller placing
sand pack in H-2. Top of
sand 29'.

Filter sock placed
over screen. Electrical
Tape used to hold
on.
Top of sand 29'
Screen 30-35'
interval



- 26' top of
bentonite pellets

Daw S. Gyl 10/31/19

Location Hennery Management Date 10/31/19Project / Client Cameron Parish, LAMayer Oil + Gas Field 0526033

910 Pel-Plug Bentonite pellets 1/4" dia. being
dropped in.

910 Jerry Fontnot just arrived at
H-2 location. Representing HL blawieks,
Icon setting up to push
conductivity probe now. ^{they had}
^{one well}
on east side of Hwy 14.

925 Pat Patrick TI at pond area.

① # 9 of pond looking east
from top of concrete slab.

② # 10 of pond looking south from
north edge.

937 Back at H-2 location. Icon
pushing conductivity probe.

940 Patrick, Todd Webb (NET) and
Jerry Fontnot here watching.

1040 Icon done at H-2, moving to
next location to east of Hwy-14.

Daw S. Gyl

10/31/19

Rite in the Rain

Henning Management Date 10/31/19

0526033

Sunny, cool 50's

1230 on site

Met w/ Patrick

+ Dave Angle w/ EAM

1300 At Icon location

H-3, Icon day EC probe

1) Katie Cummins

2) Jay Culpepper

3) Dylan White

4) Mason Jewell

Also Todd Webb w/ HET

+ Jerry Fontent

1400 EC probe done + grouted,
repushed 2.25" to depth
then grouted w/ tremie1427 pine med 12 gals
std A1 Soil Sample

H-3

1430 Photo 1: H-3 0-4' bgs (NW)

bag 0-2' (1430) 2-4' (1435)

1440 Photo 2: H-3 4-8' bgs (NW)

bag 4-8' (1440)

1445 Photo 3: H-3 8-12' bgs (NW)

bag 8-10' (1445) 10-12' (1450)

Meet Charles Trach 10/31/19

Henning Management Date 10/31/19

0526033

Sunny, cool 50's

1455 Photo 4: H-3 12-16' bgs (NW)

bag 12-14' (1455) bag 14-16' (1500)

1505 Photo 5: H-3 16-20' bgs (NW)

bag 16-18' (1505) 18-20' (1510)

1515 Photo 6: H-3 20-22' bgs (NW)

bag 20-22' (1515)

1520 Photo 7: H-3 22-24' bgs (NW)

bag 22-24' (1520)

1525 Photo 8: H-3 24-26' bgs (NW)

bag 24-26' (1525)

1530 Photo 9: H-3 26-28' bgs (NW)

bag 26-28' (1530)

1535 Photo 10: H-3 28-30' bgs (NW)

bag 28-30' (1535)

1540 Photo 11: H-3 30-32' bgs (NW)

bag 30-32' (1540)

1545 Photo 12: H-3 32-34' bgs (NW)

bag 32-34' (1545)

1550 Photo 13: H-3 34-36' bgs (NW)

bag 34-36' (1550)

1555 Photo 14: H-3 36-38' bgs (NW)

bag 36-38' (1555)

1600 Photo 15: H-3 38-40' bgs (NW)

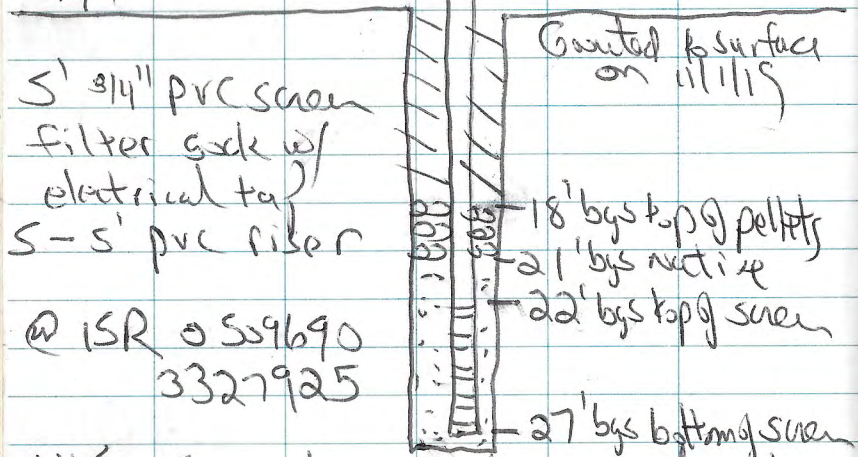
bag 38-40' (1600)

Meet Charles Trach 10/31/19

Location HENNING Management Date 10/31/19
 Project / Client 0526033

1635 Icon has set @ well
 @ H-3, screen 22-27' by
 native 21'
 pellet 18' 14" stickup

H-3
 3/4"



1645 Icon to split samples in
 morning, Icon done for
 the day

1650 offsite

~~Met Charles Tech 10/31/19~~

Location HENNING Management Date 11/1/19 101
 Project / Client 0526033

sunny, cold, 30's

0740 onsite, Icon drill
 crew onsite

- 1) Jay Calpepper
- 2) Dylan White
- 3) Mason Jewell

0745 Icon to grout H-3 well
 & then pull 2' 25" @
 Soil boring @ H-3 & grout

0752 Photo: H-3 location (sw)

0755 Todd Wood w/ H&T onsite

0803 Katie Cummins w/ Icon
 onsite

0810 Icon to split sample the following

- @ H-3
- 1) 0-2' (1430) no split
 - 2) 4-8' (1440) no split
 - 3) 10-12' (1450)
 - 4) 20-22' (1515)
 - 5) 38-40' (1600)

0900 H-3 soil boring has
 been grouted

0906 Photo: H-3 (S)

0930 Icon done for the
 day, off site

Met Charles Tech 11/1/19

Location HENNING Management Date 11/4/19Project / Client 0526033

Sunny, mild, 60's

0905 onsite
 1000 Jerry Fontenot onsite
 1005 Icon onsite w/
 Marsh Master & probe
 1) Katie Cummings 3) Dylan White
 2) Jay Culpepper 4) Jake
 1020 Todd Wobly w/ HET onsite
 1030 Icon getting marsh master
 banded, also dealing w/
 Boardwalk pipeline.
 1145 Icon Mob to location
 w/ Marsh Master
 1200 Icon @ location
 will break for lunch
 1255 At H-4
 @ISR 0509758
 3328169
 1258 Photo 1: H-4 location (N)
 1259 Photo 2: H-4 location (NE)
 1305 Start soil sampling @ H-4
 1325 Photo 3: H-4 0-4' bgs (N)
 bag 0-2' (1325) 2-4' (1330)
 1335 Photo 4: H-4 4-8' bgs (N)
 bag 4-6' (1335)
 Meet @ Charles Park 11/4/19

Location HENNING Management Date 11/4/19Project / Client 0526033

Sunny, warm, 70's

1345 Photo 5: H-4 8-12' bgs (N)
 bag 8-10' (1345) 10-12' (1350)
 1355 Photo 6: H-4 12-16' bgs (N)
 bag 12-14' (1355) 14-16' (1400)
 1405 Photo 7: H-4 16-18' bgs (N)
 bag 16-18' (1405)
 1410 Icon to not set well,
 will graze
 1418 Icon ran PID on H-4,
 all 0.0 ppm
 1422 Icon to sample the following
 @ H-4 1) 0-2 (1325) No split
 2) 4-6 (1335)
 3) 8-10 (1345) No split
 4) 16-18 (1405)
 1440 H-4 has been grouted,
 Icon to move to next
 location.
 1442 Photo 8: H-4 grouted (N)
 1455 Icon along East/West
 road, will need to clear
 path to next location H-3,
 location to South of
 East/West road
 Meet @ Charles Park 11/4/19

Location Hennings Management Date 11/4/19
 Project / Client 0526033

Sunny warm, 70's

1521 Photo 9: H-S location (S)
 H-S @ ISR 0509140
 3327865

1527 Start soil sample @ H-S

1555 Photo 10: H-S 0-4' by S (W)
 bag 0-2' (1555) 2-4' (1600)

1605 Photo 11: H-S 4-8' by S (W)
 bag 4-6' (1605) 6-8' (1610)

1615 Photo 12: H-S 8-12' by S (W)
 bag 8-10' (1615) 10-12' (1620)

1625 Photo 13: H-S 12-16' by S (W)
 bag 12-14' (1625) 14-16' (1630)

1643 Photo 14: H-S grouted (S)
 Icon did not set well

1655 Icon running PID on
 H-S

1700 PID's all zeros will
 split in morning offsite

~~Albert Charles Trach 11/4/19~~

Location Hennings Management Date 11/5/19 105
 Project / Client 0526033

overcast, mid, 60's

0740 onsite @ H-6 location
 0750 Dylan White w/ Icon onsite,
 also Jerry Fontenot

Jay Culpepper w/ Icon
 0818 H-6 @
 ISR 0509083
 3327888

0819 Photo 1: H-6 location (N)

0820 Photo 2: H-6 location (SE)

0821 Start soil sample @ H-6

0825 Icon to sample the
 following @ H-5, Jerry
 Fontenot to take split since
 his client drill operated
 well (also PRA), Katie Cummins onsite

1) 0-2' (1555) No split to Jerry
 2) 4-6' (1605) } split by
 3) 10-12' (1620) } EARLY
 4) 14-16' (1635) }

Jerry to only run splits for EC
 Jerry has also decided to

run 2-4' interval, Icon
 to add to sample, Jerry
 2-4' (1600) 8-10' (1615) only

Albert Charles Trach 11/5/19

Location Henning Management Date 11/5/19Project / Client 0526033

overcast, mild, 60's

0855 Will take split that
Jerry Fontenot did not
take

4-6' (1105)

10-12' (1122)

14-16' (1130)

0905 Photo 3: H-6 0-4' bgs (E)

bag 0-2' (0905) 2-4' (0910)

0915 Photo 4: H-6 4-8' bgs (E)

bag 4-6' (0915) 6-8' (0920)

0925 Photo 5: H-6 8-12' bgs (E)

bag 8-10' (0925) 10-12' (0930)

0935 Photo 6: H-6 12-16' bgs (E)

bag 12-14' (0935) 14-16' (0940)

0940 Icon running PID on

H-6, no well set

0945 Icon to sample the following

@ H-6

1) 0-2' (0905) No split

2) 2-4' (0910) No split

3) 4-6' (0915) Jerry split

4) 6-8' (0920)

5) 10-12' (0930)

6) 14-16' (0940)

Meet Charles Trah 11/5/19

Location Henning Management Date 11/5/19Project / Client 0526033

overcast, warm 70's

1000 Photo 7: H-6 grouted (S)

1003 Heral to next location H-7

1018 Photo 8: H-7 location (S)

Icon drillers have already

did soil sample @ H-7,

16' bgs = refusal

1020 Photo 9: H-7 grouted (SW)

also Icon has bucket wash

all sample barrels between

locations:

H-7 @

15R 0508193

3328295

1040 Icon to move to next

location H-8

1105 Photo 10: H-7 0-4' bgs (SE)

bag 0-4' (1105)

1110 Photo 11: H-7 4-8' bgs (SE)

bag 4-6' (1110) 6-8' (1115)

1120 Photo 12: H-7 8-12' bgs (SE)

bag 8-10' (1120) 10-12' (1125)

1130 Photo 13: H-7 12-16' bgs (SE)

bag 12-14' (1130) 14-16' (1135)

1140 Icon running PID on H-7

Meet Charles Trah 11/5/19

Location Hanning Management Date 11/5/19
 Project / Client 0526033

P: cloudy, warm 70's

1144 Icon to sample the following
 @ H-7
 1) 0-4' (1125) No SPLH
 2) 6-8' (1115)
 3) 10-12' (1125) No well
 4) 14-16' (1135) set @ H-7

1155 Icon has soil sampled
 @ H-8, will process
 after Icon takes lunch
 sampled 0-16' bags

1245 Photo 14: H-8 0-4' bags (SE)
 bag 0-2' (1245) 2-4' (1250)

1255 Photo 15: H-8 4-8' bags (SE)
 bag 4-6' (1255) 6-8' (1300)

1305 Photo 16: H-8 8-12' bags (SE)
 bag 8-10' (1305) 10-12' (1310)

1315 Photo 17: H-8 12-16' bags (SE)
 bag 12-14' (1315) 14-16' (1320)

1320 Icon running PID on H-8

1325 Icon to sample the following
 @ H-8

1) 0-2' (1245) No SPLH

2) 4-6' (1255)

3) 6-8' (1300)

4) 10-12' (1310)

5) 14-16' (1320)

Next @ H-8, Trk 11/5/19

Location Hanning Management Date 11/8/19 109
 Project / Client 0526033

P: Sunny, warm 70's

1350 Icon running TPH O/O
 @ H-8 4-6' + / H-8 6-8'
 Filled Terracores + 402 for
 both intervals, limited
 vol for salts for H-8 4-6'
 + H-8 6-8' bags, No well set

1358 Photo 18: H-8 location (E)

1359 Photo 19: H-8 location (W)

1400 Photo 20: H-8 ground (W)

H-8 @ No well
 set
 ISR 0508087

3323161

1405 Icon @ next location
 H-9, blow out location

1414 Photo 21: H-9 location (NE)

@ ISR 0507779

3328206

location on edge of blow out
 location, water

1505 Sample cores back @ front
 Icon went to do bags

1515 Photo 22: H-9 0-4' bags (SE)
 bag 0-4' (1515)

Next @ Charles Trk 11/8/19

Location Hennings Management Date 11/5/19Project / Client 0526033

P. Sunny, warm, 70's

1320 Photo 23: H-9 4-8' bgs (SE)

bug 4-6' (1320) 6-8' (1325)

1330 Photo 24: H-9 8-12' bgs (SE)

bug

1340 Photo 25: H-9 12-16' bgs (SE)

bug 12-14' (1340) 14-16' (1345)

1350 Photo 26: H-9 16-20' bgs (SE)

bug 16-18' (1350) 18-20' (1355)

1605 Icon running PID @ H-9

1615 Icon to sample the following @ H-9

1) 0-4' (1315) No split

2) 4-6' (1320)

3) 8-10' (1330)

4) 10-12' (1335)

5) 18-20' (1355) No split

1635 No well set @ H-9,

Icon to switch out

March Master w/ 570m

w/ Geoprobe 7822

1645 off site

~~Met Charles Trach 11/5/19~~Location Hennings Management Date 11/6/19 111Project / Client 0526033

Sunny, mild, 60's

0840 onsite, Icon drill crew onsite

1) Jay Culpepper

2) Dylan White

0850 Katie Cummins w/ Icon
+ Todd Webb w/ HET onsite

1015 Icon's geoprobe rig onsite, Icon to unblock rig then mob to next location, Mason Jewell w/ Icon onsite

1125 Icon has rig set up @ H-10 location

1240 Icon testing HPT equipment

1241 Photo 1: H-10 location (N) H-10 @

15R 0508023

3328292

1322 HPT tested, passed, will used bottom dipole

1328 Start HPT @ H-10

1354 Finish HPT @ ~162' bgs highest EC ~440 @ ~51' bgs

1402 EC probe pipe pulled, placed 60' of transition pipe in hole Met Charles Trach 11/6/19

Location Hennings Management Date 11/6/19Project / Client 0526033Sunny, warm, 70's

1457 Icon groutly HPT hole
@ H-10, gravity flow
w/ tremie pipe

1460 H-10 HPT hole grouted

1430 Start soil sampling @ H-10

1505 Photo 2: H-10 0-4' bgs (S)
bag 0-2' (1505) 2-4' (1510)

1515 Photo 3: H-10 4-8' bgs (S)
bag 4-6' (1515) 6-8' (1520)

1525 Photo 4: H-10 8-12' bgs (S)
bag 8-10' (1525) 10-12' (1530)

1535 Photo 5: H-10 12-16' bgs (S)
bag 12-14' (1535) 14-16' (1540)

1545 Photo 6: H-10 16-20' bgs (S)
bag 16-18' (1545) 18-20' (1550)

1555 Photo 7: H-10 20-24' bgs (S)
bag 20-22' (1555) 22-24' (1600)

1605 Photo 8: H-10 24-26' bgs (S)
bag 24-26' (1605)

1605 Photo 9: H-10 26-28' bgs (S)
bag 26-28' (1605)

1615 Photo 10: H-10 28-30' bgs (S)
bag 28-30' (1615)

Robert Charles Bach 11/6/19

Location Hennings Management Date 11/6/19 113Project / Client 0526033Sunny, warm, 70's

1620 Photo 11: H-10 30-32' bgs (S)
bag 30-32' (1620)

1625 Photo 12: H-10 32-34' bgs (S)
bag 32-34' (1625)

1630 Photo 13: H-10 34-36' bgs (S)
bag 34-36' (1630)

1635 Photo 14: H-10 36-38' bgs (S)
bag 36-38' (1635)

1640 Photo 15: H-10 38-40' bgs (S)
bag 38-40' (1640)

1645 Run PTO on H-10

1705 Icon done for the
day, will split sample
in morning, offsite

~~1600 Photo 11 11/6/19~~

Foggy, mild, cool

0745 onsite, Icon drill

Crew onsite

- 1) Jay Culpepper
- 2) Mason Jewell

0800 Todd Webb w/ HPT onsite

0818 Katie Cummins w/ Icon onsite

0830 Icon to set well @

H-10, screen 35-40' bgs

0845 Icon to sample the following @ H-10

- 1) 0-2' (1505) nosplit
- 2) 4-6' (1515)
- 3) 8-10' (1525)
- 4) 32-34' (1625)
- 5) 38-40' (1640)

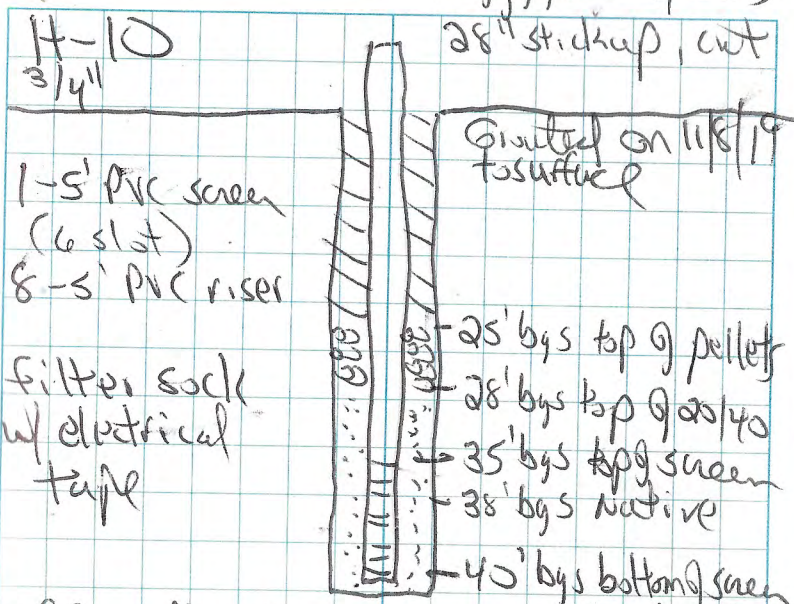
0905 H-10 has been set,

Icon pulled 2.25" barrel & then re-entered same hole w/ barrel & point to set wet

0920 well is complete except for gravel

Meet Charles Train 11/7/19

Foggy, mild, cool

0930 Moving to next location
Next to blowout1005 At location, Icon to HPT near H-9 location
So HPT to be called sample H-9, location is ~30 to the west of H-9 done on marsh masterHPT @ ISR 0508023
3328291

1010 Icon to set up to HPT, festing probe

Meet Charles Train 11/7/19

Location Hennings Management Date 11/7/19

Project / Client 0526033

cloudy, warm, 70's

- 1110 Icon's HPT passed, will use wonder array
- 1118 Start HPT @ H-9 location (2nd location)
- 1157 Finish HPT @ H-9 ~84 TD
highest EC ~754 @ ~59' bgs
Icon to pull HPT probe pipe
- 1215 ER pipe pulled, Icon going back in hole w/ 2.25" barrels + point
- 1235 Icon pushed 2.25" barrels w/ point to 24' bgs, Icon does not think they can push to 84' bgs so they will pull barrels + ream hole first.
- 1348 Photo 1: H-10 (N)
- 1355 Icon reaming hole @ ~~H-10~~ H-9
- 1412 Icon now pushing 3.25" w/ point, had pulled up 2.25" barrels (pushed to 36' bgs)
- Meet Charles Trach 11/7/19

Hennings Management Date 11/7/19 117

Project / Client

0526033

cloudy, warm, 70's

- 1447 3.25" barrels @ 36' bgs, Icon to go inside 3.25" w/ 2.25" + point to 84' bgs
- 1509 H-9 HPT @
ISR 0507764
332 820
- 1510 Photo 2: HPT hole @ H-9 (SW)
- 1511 Photo 3: HPT hole @ H-9 (E)
1st H-9 location in background
- 1525 Icon @ 64' bgs, rig has overheated again
- 1640 Icon calling it a day due to rain starting
- 1650 off site

~~Meet @ Charles Trach 11/7/19~~

Location Hennings Management Date 11/8/19Project / Client 0526033

cloudy, cool, 50's

- 0740 onsite, Icon drill crew onsite
 1) Jay Culpepper
 2) Mason Jewell
 3) Nylan White
- 0755 Todd Webb w/ HET onsite
- 0805 Katie Cummins w/ Icon onsite, Icon to resume pushing 2.25" @ H-9 to grant HPT boring
- 0800 Icon has resumed pushing 2.25" barrel @ H-9
- 0840 2.25" @ 80' bgs
- 0848 Icon grouting HPT hole @ H-9, pour grout through 2.25" barrels ^{to Bitell/Betanto}
- 0945 Icon has grouted HPT hole @ H-9, will need to top off, Icon to move over and begin soil sampling @ H-9 @ 20' bgs, 2-20' bgs logged @ 1st H-9 location
- 1020 Photo 1: H-9 20-22' bgs (S)
 bag 20-22' (1020)

Robert Charles Train 11/8/19

Location Hennings Management Date 11/8/19 119Project / Client 0526033

cloudy, cool, 50's

- 1025 Photo 2: H-9 22-24' bgs (S)
 bag 22-24' (1025)
- 1030 Photo 3: H-9 24-26' bgs (S)
 bag 24-26' (1030)
- 1035 Photo 4: H-9 26-28' bgs (S)
 bag 26-28' (1035)
- 1040 Photo 5: H-9 28-30' bgs (S)
 bag 28-30' (1040)
- 1045 Photo 6: H-9 30-32' bgs (S)
 bag 30-32' (1045)
- 1050 Photo 7: H-9 32-34' bgs (S)
 bag 32-34' (1050)
- 1055 Photo 8: H-9 34-36' bgs (S)
 bag 34-36' (1055)
- 1100 Photo 9: H-9 36-38' bgs (S)
 bag 36-38' (1100)
- 1105 Photo 10: H-9 38-40' bgs (S)
 bag 38-40' (1105)
- 1110 Photo 11: H-9 40-42' bgs (S)
 bag 40-42' (1110)
- 1115 Photo 12: H-9 42-44' bgs (S)
 bag 42-44' (1115)
- 1120 Photo 13: H-9 44-46' bgs (S)
 bag 44-46' (1120)

Robert Charles Train 11/8/19

Location Hennings Management Date 11/8/19

Project / Client 0526033

cloudy, cool, 50's

1125 Photo 14: 46-48' bgs (S)
bag 46-48' (1125)

1130 Photo 15: 48-50' bgs (S)
bag 48-50' (1130)

1135 Photo 16: 50-52' bgs (S)
bag 50-52' (1135)

1140 Photo 17: 52-54' bgs (S)
bag 52-54' (1140)

1145 Photo 18: 54-56' bgs (S)
bag 54-56' (1145)

1150 Photo 19: 56-58' bgs (S)
bag 56-58' (1150)

1155 Photo 20: 58-60' bgs (S)
bag 58-60' (1155)

1310 Icon running PFD on H-9. Icon has grouted H-9 soil boring & also grouted H-10 well location post-lard / Bentonite

1330 Icon to sample the following @ H-9

- 1) 30-32' (1045)
- 2) 48-50' (1130)
- 3) 50-52' (1135)

District Charles Trach 11/8/19

Location Hennings Management Date 11/8/19

Project / Client 0526033

cloudy, cool, 50's

4) 58-60' (1155)
1345 Icon done for the day, offsite

~~Dist Charles Trach 11/8/19~~

Location CALCASIEU/JD PARISH Date 11/18/19Project / Client HENNING MANAGEMENTSHAWN WILGINS

- 0955 ARRIVE ON SITE
TODD WOOD (H-14) ON SITE
- 1005 SAFETY MEETING CONDUCTED
- KATIE CUMMINGS (ICON) ON SITE
- 1030 ICON DRILLERS HAD BLOWN
TIRE - WILL ARRIVE LATE
- 1130 LUNCH
- 1135 JIM WILPEPPER & MASON JEWELL
(ICON) ON SITE
- STILL WAITING ON ICON TRAILER
- 1210 ICON BEGINS SETTING UP TO DRILL
@ H-14
- 1315 BACK AT TRUCKS TO LOG
SOIL CORES - SEE BORING LOG
- 1319 ① PHOTO H-14 0-4'
- ERM EL PEN NEEDS BACKLOGS
- RECORDING ICON EL VALUES
- 1325 ② PHOTO H-14 4-8'
1332 ③ PHOTO H-14 8-12'
1339 ④ PHOTO H-14 12-16'
1347 ⑤ PHOTO H-14 16-18'
1357 ⑥ PHOTO H-14 18-20'
1403 ⑦ PHOTO H-14 20-22'

Location CALCASIEU/JD PARISH Date 11/18/19Project / Client HENNING MANAGEMENTSHAWN WILGINS

- 1406 ⑧ PHOTO H-14 22-24'
1410 ⑨ PHOTO H-14 24-26'
1413 ⑩ PHOTO H-14 26-28'
1418 ⑪ PHOTO H-14 28-30'
1423 ⑫ PHOTO H-14 30-32'
1429 ⑬ PHOTO H-14 32-34'
1434 ⑭ PHOTO H-14 34-36'
1437 ⑮ PHOTO H-14 36-38'
1441 ⑯ PHOTO H-14 38-40'
- 1443 ICON GRouting H-14 SOIL BORING
Hole

- WILL NOT SET W/ @ H-14

- 1455 ICON BEGINS RUNNING PID ON
H-14 SAMPLES

1500 SPLIT ICON SAMPLES

TIME SAMPLE ID

1315 ~~1315~~ H-14 0-2'

- NO SPLIT PROVIDED

1325 H-14 4-6'

- NO SPLIT PROVIDED

1335 H-14 8-10'

1355 H-14 16-18'


1450 H-14 38-40'

Rite in the Rain

Project / Client HENNING MANAGEMENT

SHAWN WILGINS

- 1100 REIN WILGINS CORES - SOB
BORING LOG
- 1105 (20) PHOTO H-15 0-4'
- 1110 (21) PHOTO H-15 4-8'
- 1115 COLLECT SPLIT OF H-15 4-6'
FOR TPH FRACTIONS
- 1120 COLLECT SPLIT OF H-15 6-8'
FOR TPH FRACTIONS
- 1134 (22) PHOTO H-15 8-12'
- 1125 COLLECT SPLIT OF H-15 8-10'
FOR TPH FRACTIONS
- 1130 COLLECT SPLIT OF H-15 10-12'
FOR TPH FRACTIONS
- 1156 (23) PHOTO H-15 12-14'
- 1135 COLLECT SPLIT OF H-15 12-14'
FOR TPH FRACTIONS
- 1218 (24) PHOTO H-15 16-20'
- 1225 (25) PHOTO H-15 20-22'
- 1228 (26) PHOTO H-15 22-24'
- 1235 (27) PHOTO H-15 24-26'
- 1239 (28) PHOTO H-15 26-28'
- 1244 (29) PHOTO H-15 28-30'
- 1248 (30) PHOTO H-15 30-32'



Project / Client HENNING MANAGEMENT

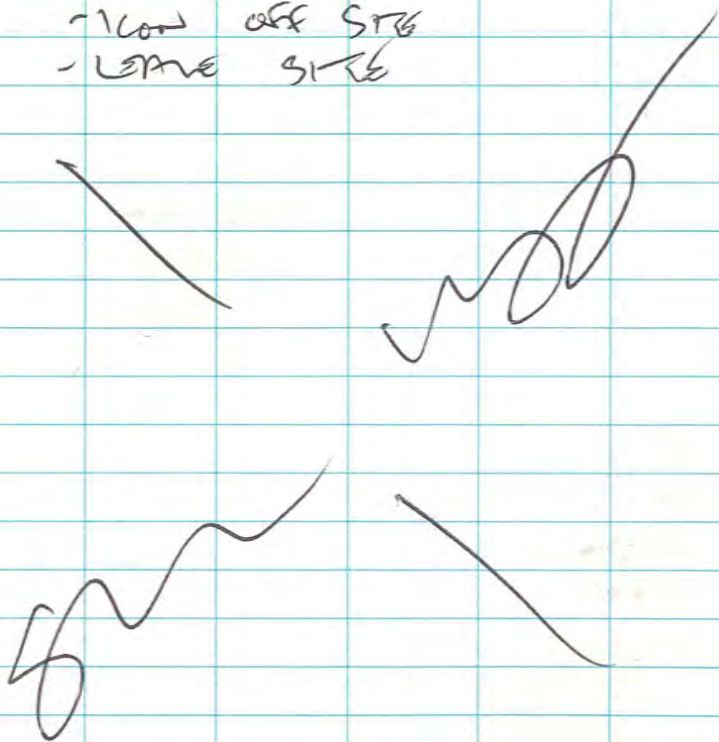
SHAWN WILGINS

- 1253 (31) PHOTO H-15 32-34'
- 1300 (32) PHOTO H-15 34-36'
- 1308 (33) PHOTO H-15 36-38'
- 1313 (34) PHOTO H-15 38-40'
- 1315 ICON WILL NOT SET WELL @ H-15
- GRATING SOIL BORING
- KATIE TAKING LUNCH, WILL
SPLIT SAMPLES & PID AFTER
- 1335 ICON PID H-15 SAMPLES
- 1350 SPLIT REMAINING SAMPLES
- | TIME | SAMPLE ID |
|------|---------------------|
| 1105 | H-15 0-2' |
| | - NO SPLIT PROVIDED |
| 1240 | H-15 38-40' |
- 1358 (35) PHOTO H-15 LOCATION FACING W
H-15 LOCATION:
0508133
3328127
- HOLE GRATED, ICON MOVING
TO NEXT LOCATION
- 1430 ICON SETTING UP FOR EC PROBE
AT H-16



Location CALCASIEU / SD PARISH Date 11/19/19Project / Client HENNING MANAGEMENTSHAWN WILGINS

- 1505 Icon BEHIND EC PROBE H-16
 1521 (36) PHOTO H-16 EC LOG, COMPUTER SCREEN
 - Icon TREMMIE CARPORTING H-16
 EC PROBE HOLE
 1540 HET OFF SITE
 1545 Icon DONE CARPORTING HOLE
 1555 ARRANGE FOR UTV TO BE PICKED
 UP TOMORROW
 - Icon OFF SITE
 - LEAVE SITE

Location CALCASIEU / SD PARISH Date 11/20/19Project / Client HENNING MANAGEMENTSHAWN WILGINS

- 0720 ARRIVE ON SITE
 - JAY & MASON (Icon) ON SITE
 0730 - DYLAN & KATIE (Icon) ARRIVE
 ON SITE
 - TODD (HET) ON SITE
 - CONDUCT SAFETY MEETING
 0740 Icon PREPPING FOR SOIL BORING
 @ H-16
 - TAKE UTV TO PICKUP LOCATION
 0755 BACK AT TRUCKS, Icon ARE
 SAMPLING H-16, WILL LOG CORES
 AT TRUCKS
 0820 BEHIND LOGGING CORES (SEE BORING LOG)
 0828 (37) PHOTO H-16 0-4'
 0835 (38) PHOTO H-16 4-8'
 0845 (39) PHOTO H-16 8-12'
 0859 (40) PHOTO H-16 12-16' 0850-SPLIT
 H-16 10-12'
 FOR TBT FRACTURE
 0907 (41) PHOTO H-16 16-20'
 0914 (42) PHOTO H-16 20-22' 0920 (43) PHOTO
 22-24'
 0925 (44) PHOTO H-16 22-24' 24-26'
 0930 (45) PHOTO H-16 24-26' 26-28'
 0934 (46) PHOTO H-16 26-28' 28-30'
 0939 (47) PHOTO H-16 28-30' 30-32'

SHAWN WILGINS *Put in the Rain*

Location CALCASIEU / SD PARISH Date 11/20/19Project / Client Remediation ManagementShawn Wilgins

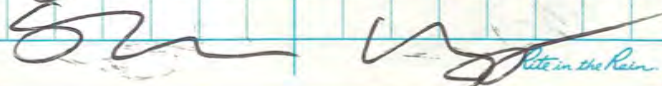
- 0944 (48) PHOTO H-16 32-34
 0950 (49) PHOTO H-16 34-36
 0956 (50) PHOTO H-16 36-38
 1003 (51) PHOTO H-16 38-40
 1005 Icon will set well @ 35-40'
 1016 Icon PID H-16 samples
 1026 Based on PID, will split
 H-16 H-16' for TPH fractions
 (same time 0900)
 1035 SPLIT REMAINING H-16 SOL samples

TIME	SAMPLE ID
0825	H-16 0-2'
0835	H-16 4-6'
0905	H-16 16-18'
0950	H-16 34-36'
1000	H-16 38-40'

- 1050 Icon finish setting well H-16
 in same borehole
 - 2.25" Boring Diameter
 - NATIVE 37-40'
 - SAND 34-37'
 - BENTONITE 31-34'


Location CALCASIEU / SD PARISH Date 11/20/19Project / Client Remediation ManagementShawn Wilgins

- SCREEN 35-40' (3/4" PVC
 w/ FILTER SOCK ATTACHED w/
 ELECTRICAL TAPE)
 1055 (52) PHOTO H-16 WELL, FACING NORTH
 H-16 LOCATION: 05001A2
 3328216 ± 13'
 - Icon moving to next location
 1100 OFF SITE FOR LUNCH
 1115 BACK ON SITE
 1200 Icon tracking GEOPROBE out
 to H-17 LOCATION
 1250 Icon begin H-17 EC PROBE
 1311 (53) PHOTO H-17 EC PROBE LOG
 COMPUTER SCREEN
 1320 Icon begin soil boring H-17
 1410 begin logging cores
 1413 (54) PHOTO H-17 0-4'
 1421 (55) PHOTO H-17 4-8'
 1426 SPLIT H-17 4-6' for
 TPH fractions
 1425 SPLIT H-17 6-8' for
 TPH fractions
 1448 (56) PHOTO H-17 8-12'




Location CARCASIEU/D PARISH Date 11/20/19Project / Client HEAVENLY MANAGEMENTSHAWN WIGGINS

1430 SPLIT H-17 8-10' FOR TPH FRACTIONS
 1435 SPLIT H-17 10-12' FOR TPH FRACTIONS
 1518 (57) PHOTO H-17 12-16'
 1548 (58) PHOTO H-17 16-20'
 1557 (59) PHOTO H-17 20-22'
 1604 (60) PHOTO H-17 22-24'
 1605 ICON COMPLETE GRADING H-17
 BORINGS WHILE WE HAVE BEEN
 LOGGING CORES
 1607 (61) PHOTO H-17 24-26'
 1611 (62) PHOTO H-17 26-28'
 1614 (63) PHOTO H-17 28-30'
 1619 (64) PHOTO H-17 30-32'
 1626 (65) PHOTO H-17 32-34'
 1631 (66) PHOTO H-17 34-36'
 1636 (67) PHOTO H-17 36-38'
 1640 (68) PHOTO H-17 38-40'
 - NO WAL SET C H-17
 1648 ICON PID SAMPLES FROM H-17
 1708 FINISH RUNNING PID
 - WILL SPLIT SAMPLES TOMORROW
 1710 LEAVE SITE, HEAD TO LAB TO
 PICK UP MORE TERRACORE KITS
 SHW - ALSO SPLIT H-17 12-14' (1440) & 14-16' (1445)

Location CARCASIEU/D PARISH Date 11/21/19Project / Client HEAVENLY MANAGEMENTSHAWN WIGGINS

0720 ARRIVE ON SITE
 - JIM & MASON (ICON) ON SITE
 - SAFETY MEETING CONDUCTED
 0730 TODD (HET) ON SITE
 0740 DYLAN WHITE (ICON) ON SITE
 0750 KATIE (ICON) ON SITE
 - ICON SETTING UP FOR
 EL PROBE @ H-18
 0810 (69) PHOTO H-17 LOCATION, FACIAL W
 LOCATION: 0508145
 3327835 ± 13'
 0814 (70) PHOTO ICON RIG @ H-18 LOCATION
 0815 ICON BEGIN H-18 EL PROBE
 0835 (71) PHOTO H-18 EL LOG COMPUTER SCREEN
 0900 SPLIT REMAINING H-17 SAMPLES

TIME	SAMPLE ID
1410	H-17 0-2'
	- INSUFFICIENT RECOVERY, NO SPLIT COLLECTED
1545	H-17 38-40'

 0905 ICON FINISHED TRAME GRADING
 H-18 EL BORING, BEGIN SOIL BORING

 Rita in the Rain

Location CALCASIEU / JD PARISH Date 11/21/19Project / Client HENNING MANAGEMENTSTAN WILGINS

0930 BORING LOGS SOIL - SEE

BORING LOG

0934 (72) PHOTO H-18 0-4'

0938 (73) PHOTO H-18 4-8'

0944 (74) PHOTO H-18 8-12'

0951 (75) PHOTO H-18 12-16'

0955 (76) PHOTO H-18 16-20'

1002 (77) PHOTO H-18 20-22'

1006 (78) PHOTO H-18 22-24'

1009 (79) PHOTO H-18 24-26'

1013 (80) PHOTO H-18 26-28'

1016 (81) PHOTO H-18 28-30'

1020 (82) PHOTO H-18 30-32'

1028 (83) PHOTO H-18 32-34'

1032 (84) PHOTO H-18 34-36'

1035 (85) PHOTO H-18 36-38'

1039 (86) PHOTO H-18 38-40'

1042 (87) PHOTO H-18 40-42'

1047 (88) PHOTO H-18 42-44'

1050 (89) PHOTO H-18 44-46'

1053 (90) PHOTO H-18 46-48'

1057 (91) PHOTO H-18 48-50'

1104 (92) PHOTO H-18 50-52'

Location CALCASIEU / JD PARISH Date 11/21/19Project / Client HENNING MANAGEMENTSTAN WILGINS

1112 (93) PHOTO H-18 52-54'

1115 (94) PHOTO H-18 54-56'

1120 (95) PHOTO H-18 56-58'

1123 (96) PHOTO H-18 58-60'

- ICON WILL SET WELL @ 45-50'

1159 (97) PHOTO OF ICON GROUTING

H-18 SOIL BORING

1210 ICON COMPLETE GROUTING H-18

SOIL BORING, BEHIND ADVANCING

BORING TO SET H-18 WELL

1232 (98) PHOTO OF ICON SETTING

WELL H-18, FILTER SOCK

ATTACHED WITH ELECTRICAL TAPE

ICON FINISH SETTING WELL H-18

- 3/4" BARRAS TO 16'

- 2 1/4" BARRAS TO 50'

- 3/4" PVC GREEN 45-50' w/

FILTER SOCK ATTACHED w/ ELECTRICAL TAPE

- NATIVE COLLAPSE 36-50'

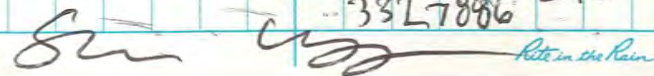
- NO SAND

- SANDSTONE 29-36'

1305 (99) PHOTO H-18 WELL

H-18 LOCATION: 0508226

3327886 ±13'



Note in the Rain

Location CALCASIEU / JD PARISH Date 11/21/19Project / Client HENNING MANAGEMENTSTAN WILGINS

1310	BEGIN	PID	on	H-18	SOIL	SAMPLES
1330	SPLIT	H18	SOIL	SAMPLES		
	Time	SAMPLE ID				
	0930	H-18	0-4'			
		-NO SPLIT PROVIDED				
	0935	H-18	4-6'			
	0945	H-18	8-10'			
	1000	H-18	14-16'			
	110	H-18	42-44'			
	1150	H-18	58-60'			

1345 CON SETTING UP HPT AT
H-19

1455 CON BEGIN ADVANCING H-19 HPT PROB

1521 (100) PHOTO CON ADVANCING H-19 HPT

1523 (101) PHOTO H-19 HPT LOG COMPUTER SCREEN

1600 UNITED RENTALS ON SITE TO
PICK UP UTV

-CON COMPLETE CAPPING
H-18 HPT BORING

1620 ALL PERSONNEL OFF SITE

Stan Wilgins

Location CALCASIEU / JD PARISH Date 11/22/19Project / Client HENNING MANAGEMENTSTAN WILGINS

0725	ARRIVE	CON	SITE		
		-CON ON SITE (KATIE, DYLAN, JAY, & MASON)			
		-CONDUCT SAFETY MEETING			
0730	CON	BEGIN	ADVANCING	SOIL	
		BORING	H-19		
0740	BEGIN	LOGGING	H-19	SOIL	CORE
		-SEE BORING LOG			
0747	(107)	PHOTO	H-19	0-4'	
0754	(103)	PHOTO	H-19	4-8'	
0758	(104)	PHOTO	H-19	8-12'	
0810	(105)	PHOTO	H-19	12-16'	
0817	(106)	PHOTO	H-19	16-20'	
0826	(107)	PHOTO	H-19	20-22'	
0836	(108)	PHOTO	H-19	22-24'	
0839	(109)	PHOTO	H-19	24-26'	
0844	(110)	PHOTO	H-19	26-28'	
0848	(111)	PHOTO	H-19	28-30'	
0852	(112)	PHOTO	H-19	30-32'	
0856	(113)	PHOTO	H-19	32-34'	
0901	(114)	PHOTO	H-19	34-36'	
0904	(115)	PHOTO	H-19	36-38'	
0906	(116)	PHOTO	H-19	38-40'	

Stan Wilgins

Stan Wilgins
Rate in the Rain

Location CALCASIA/JD PARISH Date 11/22/19Project / Client HENNING MANAGEMENTSTAN WILGINS

0910 ICON HAVE FINISHED CAPSULES
SAL BOREHOLE & LOGS

0923 H-19 LOCATION: 0508251, 3327873 520

0924 (117) PHOTO H-19 LOCATION FACING SOUTH

0930 SPLIT H-19 SOIL SAMPLES

TIME	SAMPLE ID
------	-----------

0745	H-19 0-2'
------	-----------

- NO SPLIT PROVIDED

0750	H-19 4-6'
------	-----------

0800	H-19 8-10'
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0915	H-19 38-40'
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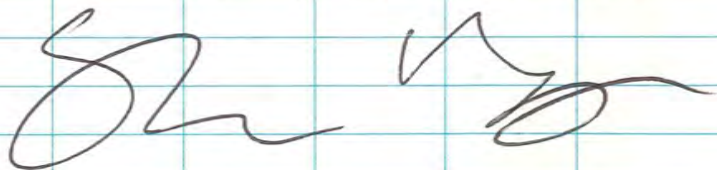
0940 LOG TAKEN WATER LOGS
(SEE NEXT PAGE)

1024 PHOTOS (118-120) ICON COCS

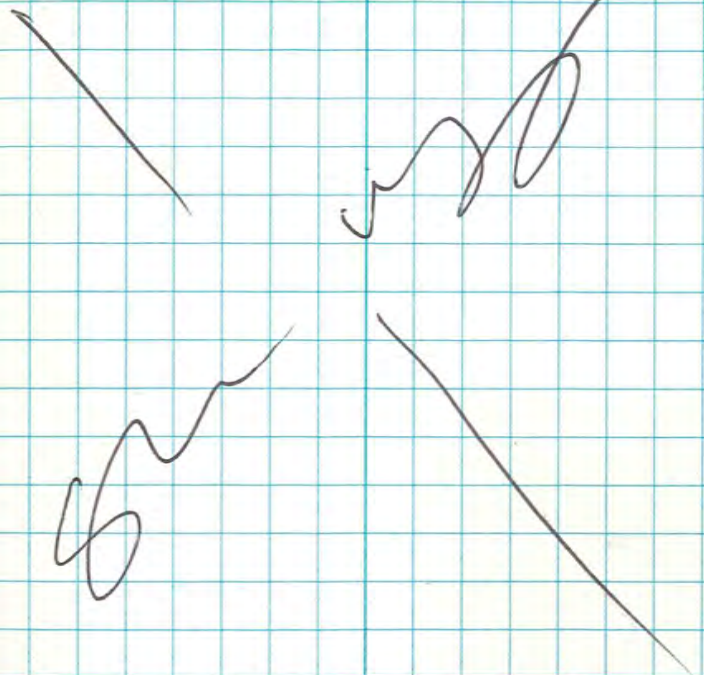
1030 ICON OFF SITE

- FINISH FILLING OUT COCS

1100 LEAVE SITE, HEAD TO LAB


Location CALCASIA/JD PARISH Date 11/22/19Project / Client HENNING MANAGEMENTSTAN WILGINS

TIME	WELL ID	DTW
0942	H-1	5.85
0945	H-18	5.05
0951	H-3	5.20
0956	H-2	5.91
1003	H-9	5.61
1004	H-12	6.91
1010	H-10	10.82
1013	H-16	5.74



3/5/20 Henning Lake Charles

0915 Arrive on site
 Katie (CON) on site
 Jerry Fontenau (Hawkins)
 0940 Set up on H-2 (15-60)
 60.4 TD (TDC)
 3.77 DTW (TDC)

- 1018 Begin pumping tubing @ 60'

Time	Temp	pH	ORP	Cond µS	TDS ppm	Res	Gal
1020	20.4	5.38	77	78.5	101.9		0.25
1025	20.6	5.72	33	82.22	109.5		1.8 ⁰⁵
1029	20.6	6.04	33 33	83.79	112.1		2
1034	20.7	6.26	X	82.8	111.3		3
1039	20.0	6.57	/	83.42	113.6		4
1050	20.0	6.59	/	83.38	113.2		5
11	19.7	6.67	/	83.36	113.8		6

- (1105) Sample taken

1137 Pump off

1140 Break for lunch

1245 Return to site

- 1303^{5 min} Set up on H-9 (50-5) DTW 2.95 (DSS 5.75)

Time	Temp	pH	Cond	ORP	TDS	Gal
1305	20.2	7.09	45.66		48.62	0
1310	20.2	7.06	47.87		51.39	1
1315	20.0	6.75	48.74		52.57	2
1321	20.2	6.72	48.94		52.73	3

Time	Temp	pH	Cond	ORP	TDS	GAL
1330	19.9	6.4	4892	47	5395	4 (1000)
1404	SAMPLE TAKEN					
	Pump off					

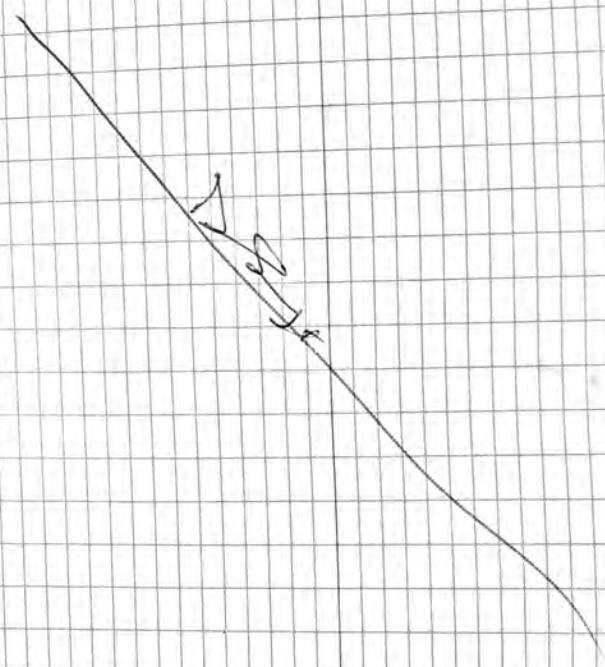
1420 Set up on H-10 (35-40)
 1435 DTW 6.6 TD 40.39 Pump on @ 39' to

Time	Temp	pH	Cond	ORP	TDS	GAL
1436	21.4	7.96	4938	-67mv	3802	0.5
1442	21.2	7.67	4950	-5	3802	1
1447	21.2	7.66	4974	-16	3835	2
1452	21.5	7.56	4972	-8	3825	3
1507	21.5	7.41	4985	25	3840	4
1520	21.9	7.44	4975	19	3838	5.5
1526	21.8	7.58	4986	18	3856	6
1530	SAMPLE TIME					
1603	Pump off					

1610 H2 (30-35)
 DTW 3.14 DTB TD 35.94 SHL 1.52'

1621 Pump on
 Tubing @ 34'

Time	Temp	pH	Cond	ORP	TDS	GAL
1629	21.3	8.13	4859	16	3736	1
1632	21.2	7.81	4875	28	3733	2
1639	21.3	7.52	4866	13	3733	3.5
1642	21.4	7.44	4867	11	3726	4
1648	21.2	7.35	4557	10	3726	
1655	Sample time					
1715	Pump off					
1745	Leave site					



Henning 3/16/20

0720 Arrive on site (David Sangumett)

Ken (HEI) Katie Cummins (local)
Jerry Pontrean (Hawkins)

0735 Set up on H-6 (35-40)

H-16 DTW 3.22' TD 41.9 (TDS) SUZ.2'

747 Pump on tubing @ 40.9

Time	Temp	pH	Cond ^m	ORP	TDS	Gal
0748	19.0	7.35	29.10	-93	2844	0
0755	19.7	7.36	29.27	-81	2890	1
0800	20.0	7.34	29.42	-62	2886	2
0806	19.8	7.41	29.47	-43	2881	3
0812	20.0	7.40	29.42	-27	2871	4

0815 SAMPLE TAKEN

0910 Set up on H-18 (45-50)

DTW 2.0 TD 51.03 Stick up 1.2

0920 Pump on tubing @ ^{50.3}pan

Time	Temp	pH	Cond ^{ds}	ORP	TDS	Gal
0925	20.6	7.41	9734	11	8012	0
0931	20.3	7.73	10.41 (m)	29	8520	1
0935	20.7	7.61	10.30	8	8574	2
0940	21.0	7.52	10.36	5	8600	3
0946	20.8	7.52	10.41	65	8610	4

10150 SAMPLE TAKEN

1022 Pump off

Henning

3/16/20

1030 Set up on H-1 (35-40)

DTW 2.3' TD 40.71 Stick up 1.03

1040 Pump on tubing @ 39.071

Time	Temp	pH	Cond ^m	ORP	TDS ^{ppm}	Gal
1043	20.5	8.08	5318	-122	4147	0
1047	20.4	7.66	5319	-90	4119	1
1053	20.9	7.51	5287	-60	4087	2
1058	20.9	7.52	5270	-16	4081	3
1104	21.0	7.62	5238	7	4056	4

1110 SAMPLE TAKEN

1240 H-3 (22-27)

1245 ^{Pump} DTW 4.56' TD 27.8 Stick up 1.02

Time	Temp	pH	Cond	ORP	TDS	Gal
1247	22.5	7.73	1024	-57	7076	0
1254	22.1	8.21	1021	-59	7035	1
1259	22.1	8.11	1024	-45	7041	2
1304	21.8	8.04	1020	-44	7027	3

1315 Sample Time

^{Pump} tubing @ 26.8

1140 pump off

ICON Parameters H-12

Time	temp	cond	pH	ORP	TDS ^{μPTS}	Turb	Vol
1020	20.5	79.8	5.38	193	113.8	0.2	0
1023	20.5	82.82	5.79	113	115.4	36.4	1
1029	20.6	83.79	6.04	85	117.1	22.9	2
1034	20.6	83.94	6.17	74	118.2	15	3
1039	20.3	84.32	6.25	61	119.2	14.2	4
1050	19.9	84.44	6.34	52	119.3	5.43	5
1100	19.4	84.41	6.37	56	120.9	6.39	6

H-9

Time	Temp	Cond	pH	ORP	TDS	turb	Vol
1305	19.7	45.79	6.53	115	50.02	6.76	0
1310	20.1	47.51	6.36	64	52.06	26.4	1
1315	20.1	48.44	6.33	53	53.12	50.5	2
1321	19.8	48.84	6.44	53	53.96	21.2	3
1330	19.9	48.92	6.40	47	53.93	9.26	4

H-10

Time	Temp	Cond ^{μS}	pH	ORP	TDS	Turb	Vol
1436	21.6	4925	7.18	178	3862	0.2	0
1442	21.6	4901	6.95	103	3843	0.2	1
1447	21.9	4903	6.89	119	3844	6.4	2
1452	22.2	4894	6.92	113	3833	0.2	3
1507	22.1	4910	6.85	116	3848	11.2	4
1520	22.8	4903	7.16	104	3837	4.91	5.5
1526	22.4	4909	6.96	119	3845	4.78	6

H-2

Time	Temp	Cond ^{μS}	pH	ORP	TDS	Turb	Vol
11629	21.7	4809	7.22	121	3710	10.6	1
11632	21.4	4832	6.90	128	3713	4.85	2
11639	21.6	4815	6.80	130	3769	40.9	3.5
11642	21.6	4805	6.85	133	3769	24.5	4
11648	21.4	4815	6.97	133	3766	14.8	5

* 3.39 NTU @ sample

H-16

Time	Temp	Cond	pH	ORP	TDS	turb	Vol
0748	19.0	28.15	6.68	76	28.8	0.2	0
0755	19.5	2920	6.39	18	29.30	40.7	1
0800	19.6	2922	6.32	63	29.22	27.8	2
0806	19.2	2947	6.48	69	29.48	13.3	3
0812	19.2	2934	6.48	73	29.42	9.55	4

H-18

M

Time	temp	Cond	pH	ORP	TDS	Turb	Vol
0748	19	28.15	6.68	76			
0755	19.5	29.20	6.39	18			
0800	19.6	29.22	6.52	63			
0800	19.2	29.47	6.48	69			
0812	19.2	29.34	6.48	73			

0925 18.8 9825 7.35 109 8309 3.89 0

0931 19.5 10.24 ^{mu} 7.12 122 8663 6.17 1

0935 20.1 10.28 6.84 116 8690 3.07 2

0940 20.3 10.33 6.75 112 8767 2.74 3

0946 20.4 10.30 6.77 110 8715 2.52 4

Time	Temp	Cond	pH	ORP	TDS	Turb	Vol
1247	22.5 temp	1027	7.79	143	723 TDS	10.6 Turb	0 Vol
1254	22.2	1013	7.44	116	711.2	65.4	1
1259	21.6	1020	7.57	140	714.6	12.4	2
1304	21.4	1014	7.27	134	716.4	4.54	3



FedEx Office

Address: 13311 EAST FWY
 HOUSTON
 TX 77015
 Location: HBYKK
 Device ID: -BTC03
 Transaction: 940258769608

FedEx Ground
 390979453499 (M) 62.93
 390979453503 (M)
 Total Declared Value: \$0.0
 Total Weight: 81.7 lbs.

Recipient Address:

EBERLINE SERVICES
 601 SCARBORO RD
 OAK RIDGE, TN 37830
 8654823001

Scheduled Delivery Date is 2 business days

Pricing option:
STANDARD RATE

Package Information:
Your Packaging

#Pcs	Weight/pc (lbs.)	DV/pc (USD)	Dims. (In.)
1	49.90 (M)	.00	26 x 15 x 17
1	31.80 (M)	.00	26 x 15 x 15

Shipment subtotal: \$62.93

Total Due: \$62.93

FedEx SENDER Account
*****9891

M = Weight entered manually
 S = Weight read from scale
 I = Taxable item

0526033

Henning

3-24-2001

0430 Depart NOAA - P. Ritchie (ERM)

0745 Arrive on site - front gate, marked location sent by Walker Wilson

0810 W. Wilson on site - Observations noted are stated by W. Wilson

8-A N 30.081673 W 92.912433 ⊕

General habitat = Herbaceous Veg - mix of wetland/upland species
2-3" of standing water

Pic 1 Crawfish chimney

Pic 2 Game trail

Pic 3-6 Habitat facing N-W-S-E

Vegetation = *Spartina patens*, *Eleocharis baldwinii*, *Rubus* sp, *Brazilian Oak*

Andropogon sp, *Baccharis helinifolia*, *Juncus effusus*

3 square, *Bidens* sp., *Grasses* - ^{Small?} *Johnson?*, *Thistle*

Observation from probing = No sheen - No Odor

8-B N 30.081520° W 92.912396 ⊕

General habitat = same field - SAA

Pics 7-10 Habitat facing N-W-S-E

Cows, Kill deer, game trail, crawfish

Vegetation - SAA

Gross shrimp, *Moquiro fish*, *crawfish*, *ramshorn* - dipnet HW14 ditch

10-A

Pic 11 Facing W

Texas Gas Valve Site - No probing

Vegetation - *Andropogon*, *Baccharis*, *Grass*

P. Ritchie

0526033

3-24-2001

0526033 Henning 3.24.2021
0915 11-G N 30.082062 W 92.912417 ϕ

General habitat = Mix herb + woody, bare ground grasses
2-3" of standing water

Vegetation - Chinese tallow, smutgrass, andropogon, brazilian verbena
rubus, juncaus, 3square, johnsongrass, beecharis
large lancelet leaf herb, Carex sp.

Crawfish - white spotted fishing spider - from dipnet

Observation from probing - No sken No odor

11-F N 30.082113 W 92.912567 ϕ

General habitat = mix veg w/ herbs, shrubs, tree

No water - abandoned motor/debris

Vegetation = Prickly ash, thistle, rubus, andropogon, chinese tallow

Vines - 2 species: opposite leaves reddish stem, hercales club
Carex spp., smut grass

Snake skin - rat snake? Small nest in pipe, ants, bees

Staining - Moderate odor Slight odor - Probing

Potential water well? (Pic) Layne Placard

Common Yellow throat

11-E N 30.082045 W 92.915089 ϕ

Limestone area on side of entry road

3-4" of water in lower surrounding areas

Vegetation - yellow clover, andropogon, eleocharis, rubus, golden rod, cyperus spp

(Pic) Facing N - W - S - E

crawfish mayfly (blue/green) (Pic)

11-A N 30.081937 W 92.913350 ϕ

Debris - cleared area 1-2" of water,

Vegetation = ^{Bittercress} Cyperus spp, eleocharis, andropogon, rubus, juncaus, white tail, vine

Green anole, crawfish - Probing - extensive very slight "sheet" slight odor
cricket

0526033

Henning

3-24-2021

11-B

N 30.081927 W 92.913131

Limestone covered area - water in lower part of road

Vegetation - small clumps of grass (purple) * good inflorescence

Coyote scat on site

1015 Visitors on-site

John Cook, Clay Kimbrell, Bubba - ROW agent?

11-C

Area between road + well pads

3-4" of standing water

Vegetation - *Baccharis*, *Eleocharis*, yellow clover, *Juncus*, *Andropogon*

cattail, *Cyperus* spp., coastal bermuda, purple clover 'fern'

Crawfish, native ladybug

Observations from probing - No Odor No Sheen

11-D

N 30.081173 W 92.913341

Pics Facing N - W - S - E

Sparse vegetation, deer + coyote tracks - scat, mottled ducks

Yellow clover, *Eleocharis*, *Cyperus* spp., *Andropogon*, green algae growing in the

Observations from probing No Sheen No Odor

6-B

N 30.082121 W 92.914660

4-18 well location sedge wren

Habitat - dominated by herb veg - occasional shrub

Vegetation - *Eleocharis*, *Andropogon*, goldenrod, thistle, grass, *Bidens*

1-2" of water in lower spots

Observation from probing No Sheen No Odor

0526033

3-24-2021

0526033

Henning

3-24-2021

G-D N 30.081694 W 92.914636

Habitat a mix of herb + occasional shrub

1-2" of water on surface (Pics) N-W-S-E

Vegetation = eleocharis, andropogon, brazilian verbain

large lancelet leaf, Carex spp, grasses

Observations: no odor no sheen

G-C N 30.081690 W 92.914933

(Pics) NW-S-E

Vegetation same as G-D, add rubus

Baccharis has caterpillars eating new growth

G-A N 30.081708 W 92.915481

(Pics) Habitat facing N-W-S-E 1-2" of water

Vegetation = eleocharis, rubus, andropogon, juncus, grasses

Brazilian verbain, Baccharis, purple flower 'fm'

Observations from probing No Sheen No Odor

~~13A~~

N 30.082193 W 92.917978

Flowline crossing canal into field ~5"

13A

Ponded ~~area~~ location - water depth unknown - too deep to enter

Vegetation = Cattail, maiden cane, juncus, baccharis, hydrocotyl

spatula patens alligator weed, rubus, hairy opposite leaf vine (no tentral)

eleocharis, yellow flower, thistle, tall tree attached vine

On way to site = visual on two white tailed deer (doe), armadillo tracks

eastern meadow lark (call), wren

~~13A~~

0526033

3-24-2021

8:00 JCS on-site
CEI on-site
Walker, Austn, Cora

Site 12-A pond between ICON locations
H-9, 11, & 12

⊕ 8:49 f. NW @ pond. large alligator
cottails, solunina; black willow, chinese tallar
typha domingensis, alligatorweed, mikania scandens,
louisiana vetch, ludwigia purpurascens

⊕ 9:01 f. n. east side of pond
juncus effusus, wax myrtle, cirsium horridulum,
bushy bluestem, solidago

⊕ 9:07 f. w. flowers on NE side of pond
nuphar lutea, rubus trivialis, eleocharis sp.
brazillion veruam

⊕ 9:18 f. w. ICON H-12? well

⊕ 9:23 f. S, ICON H-9 well

⊕ 9:24 f. E, pond
black medick (lupulin?)
9:27 leaving site 12-A

Site 12-B, scrubby field @ ICON H-13, 14 locations
wax myrtle, eleocharis, rubus trivialis, brazillion veruam,
⊕ 9:37 f. w.
baccharis, juncus effusus, louisiana vetch, more...

Site 7-M

low, wet spot in field
juncus effusus, bushy bluestem, louisiana vetch,
eleocharis, ~~juncus~~ paspalum/waxy grass,
cyperus sp., ludwigia, rumex sp., rubus trivialis
solidago sp.; mikania scandens, baccharis

⊕ 9:58 site f. E

ICON H-10 well on e side

swamp rabbit pellets, eastern pondhawk

Location HenningsDate 3/25/21Project / Client 0526033

7-C

swamp dogwood, carolina geranium, bedstraw (*Galinia
apocynifolia*), *Sanctus asper*, *Rubus trivialis*, *Peperomia
cursiva* *hurridula*, tallow, sugarberry, butterwood
red maple, *Cyperus* sp, *Eleocharis*, *Solidago sempervirens*
american pokeweed (photo)
some *Flourensia* & *Valeris*

7-B herbaceous field

bushy bluestem, Louisiana ^{western?} *Urtica*, *Ambrosia* sp., carolina
geranium, brazilian vervain, black night, ~~var. peruv~~
Pennisetum *viridica*, *Rubus* + 3 a, giant ragweed
& johnson grass, *Solidago altissima*, yellow foxtail,
roaming, (~~setaria~~)

mimosa sp,

⊕ 10:23 f. E 7-B area

near ICON H-2 well

A

Location HenningsDate 3/25/21Project / Client 0526033

7-E

Cyperus sp., brazilian vervain, *Solidago sempervirens*,
Solidago altissima, *Rubus trivialis*, bushy bluestem,
mimosa sp, *Eleocharis* sp, *Carex* sp,

7-D low narrow feature

Cyperus sp, *Rubus trivialis*, *Peperomia*
western cuttunworth

brazilian vervain, beechers, *Solidago altissima*
pokeweed, sugar-berry, red maple

7F scrubby area near ICON H-7

sample location

red swamp crawfish, beechers, *Eleocharis*
Rubus trivialis, *Rubus argutus*, ~~the~~ brazilian
vervain, *Solidago sempervirens*, *Peperomia*, wax
myrtle, fire ants, toothache tree, elderberry,
purple passionflower, curly dock, bedstraw,
dog fern, *Sanctus asper*, pokeweed, *Oxalis stricta*
Ranunculus sp, *Sesbania bicocca*, chinese tallow,
green hawthorn

A

Location HenningsDate 3/25/21Project / Client 0526033

27-A shrubby environment

H-16 well ICON

eleocharis, bushy bluestem, solidago sempervirens, solidago
altissima, brazilian verbain, baccharis, wax myrtle
rosetta (lowland)

⊕ 14:04 f. N

27-L shrubby location near ICON H-15

soil sample

baccharis, rubus trivialis, solidago sempervirens, bushy
bluestem, brazilian verbain

⊕ 14:25 f. N

7-G shrubby area north of road

solidago sempervirens, rubus trivialis, wax myrtle,
peppervine, baccharis, rubus argutus, philadelphia fluburn
late-flowering thoroughwort

⊕ 14:41 f. W.

7-H shrubby area just east of 7-G

solidago sempervirens, rubus trivialis, wax myrtle,
rubus argutus & trivialis, solidago altissima

A

Location HenningsDate 3/25/21Project / Client 05260337-G, H, & I overlap, I will record one
plant list for all 3chinese tallow, juncus effusus, bedstraw,
ambrosia psilostachya

32-J

japanese honey suckle, ^{*}lyreleaf sage, corn salad,
briza minor, purple passion flower, sanchus asper,
rubus trivialis, rubus argutus, butterweed
bushy bluestem, peppervine, sugarberry, baccharis
carolina geranium, galium tinctorium?, solidago
sempervirens & altissima, white ^{*}mulberry

* technically out of area

7-K large wet ponded area covered in cottails

⊕ 15:14

shield fern, cottails, juncus, rubus argutus

ranunculus scordus, ~~on~~ pink ladies, mouse-ear
chickweed, white nymph
on road to sites

A

9-B herbaceous area beside limestone road

(Louisiana waterh, hairy buttercup, cyperus sp., rumex crispus, smilax sp., grass sp., chinese tallow, cleckers, brazilian verbena, white clover, mock strawberry, rubus argutus, juncus pallidus)

⊕ 16:02 N

9-C herbaceous area near cell-phone tower support

(cyperus sp., Louisiana waterh, brazilian verbena, juncus effusus, hairy buttercup, chinese tallow, white clover, curly, ~~grass sp.~~ bermuda grass, rubus knerioides, few creosote piles (see photo), persian clover)

⊕ 16:07 S. E.

9-D/E scrubby area under oak trees

live oaks, chinese tallow, baccharis, juncus effusus, mock strawberry, rubus arvensis, diandras holly, stinging nettle, dwarf palmetto, timothy canopy grass, giant ragweed, stinging nettle, carolina geranium

few 4" pipes

⊕ 16:18 S. E.

Louisiana waterh, mouse-eared chickweed, bedstraw

brazilian verbena, butterweed, rumex crispus

cont.

black midwort, scarlet pimpernel, rescue grass

⊕ 9E area SE 16:36

sanctus asper, carolina geranium, hairy buttercup, gamochaeta, white clover, persian clover, rubus argutus, annual ryegrass, ~~persicaria hydro-~~ piperoides,

9-A several broken-down cattle corrals w/ large concrete silo

⊕ 16:47 NE, E, SE

5-lined stink, baccharis, Louisiana waterh, white clover, persian clover, black medec, toxicodendron radicans, rubus trivialis, sesbania sp., pepper vine

17:00 off-site



8:00 JCS on-site
Lance Fontenot (Integra)
Welker, Cora, Austin (LEI)
On Word Line Rd (street sign says Trout Rd)

4-A flooded scrubby area south of Word Line/Trout Rd 3/4 levee to south

spartina patens, chinese yellow, pepper vine, baccharis, pickered weed, smartweed lady's thumb, juncus sp, sugarcane plumgrass, poison ivy, salvinia ^{miniata}, bald cypress, smilax bona-nox, cornus sp., waltia sp.

bullfrog, green treefrog, green anole, eleocharis, deciduous

⊕ 9:21 f. N

hally, red maple, wax myrtle, rubus argutus

4-B

red maple, chinese yellow, wax myrtle, deciduous hally, cyperus sp, persicaria sp, ludwigia sp,

JH

10:15

drove east on Word Line 3/4 turn north, near well 31298

⊕ 10:20 1-A area f. NE
1-A Pollow rice field 3/4 barn

old-field toothflax, LA vetch, crampweed, brazilian vervain, oxalis corniculata, purple passion flower, rubus argutus, rubus fruticosus, scarlet pimpernel, carolina geranium, eastern ribbon sower, ludwigia sp, pondweed, sagittaria sp, bacopa maritima, grass

1-C rice field

⊕ 10:39 area f. E

rice, duckweed, unknown 1, 2 sycophytes

1-D rice field

⊕ 10:44 f. N

rice, duckweed, unknown 1-2, butterweed, ranunculus sp

1-B rice field 3/4 barn

⊕ 10:50 f. W

rice, butterweed, unknown 3, ludwigia sp, ranunculus sp, old-field toothflax, mouse-ear chickweed, yellow blue-eyed grass, grass sp, scarlet pimpernel

Location Hennings

Date 3/26/21

Project / Client 0526033

5-D

rocks pool, partially under water
near well 195098

⊕ 11:27 f. W

Ludwigia sp., black willow, cyperus sp., dog fennel, eleocharis
prostrata5-C wet part of pool, ~~no veg~~

⊕ 11:35 f. E

water ~ 6"

one aquatic species chara? / marsh grass?

5-A cattail patch south of road

⊕ 11:43 f. S

typha ^{domingensis} sp., black willow, Mikania scandens, eleocharis, pepper vine
broze frog, cyperus sp., azolla, red maple, spotted
lady thumb, sesbania, ludwigia sp.

A

Location Hennings

Date 3/26/21

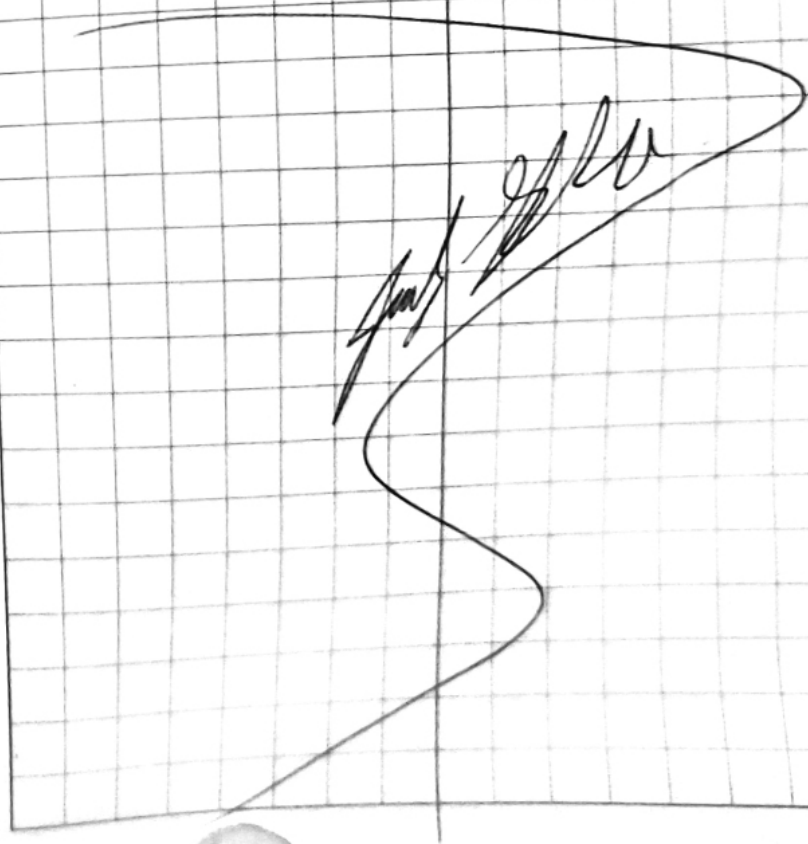
Project / Client 0526033

5-B scrubby area adjacent to road

⊕ 11:58 f. S

bushy bluestem, typha domingensis, black willow
Louisiana vetch, chinese tallow, butterweed
western ribbon snake, black medick, tall goldenrod

12:15 off-site



t

Location Henning Date 3/29/21

Project / Client 0526033

Sunny, Cool, 50's

- 0915 onsite
Chase Toubert w/ Icon
onsite
- 0925 Chase w/ Icon clearing
locations w/ Boardwalk
- 0930 Icon drill crew onsite
1) Dylan White
2) Jay Culpepper
- 0940 Icon to mark locations
+ check access
- 1010 Jerry Fontenot onsite
- 1045 Icon setting up
@ H-20 - will do HPT
@ ~~H~~ ISR 505356
332826
- 1100 Icon running test on
HPT equipment
- 1141 HPT has pass testing
Icon to string up tool
- 1155 Icon break for lunch
- 1240 Icon retest stringed up
HPT/EC probe
- 1300 Issue w/ HPT/EC probe
Icon to not run will do sample
MART @ Mark's (palm 3/29/21)

Location Henning Date 3/29/21 99

Project / Client 0526033

Sunny, Mild, 60's

- 1302 Photo 1: H-20 bottom (E)
- 1315 Photo 2: H-20 0-4' bgs (S)
bgs 0-2' (1315) 2-4' NA
- 1320 Photo 3: H-20 4-8' bgs (S)
bgs 4-6' (1320) 6-8' (1325)
- 1330 Photo 4: H-20 8-12' bgs (S)
bgs 8-10' (1330) 10-12' (1335)
- 1340 Photo 5: H-20 12-16' bgs (S)
bgs 12-14' (1340) 14-16' (1345)
- 1350 Photo 6: H-20 16-20' bgs (S)
bgs 16-18' (1350) 18-20' (1355)
- 1400 Photo 7: H-20 20-24' bgs (S)
bgs 20-22' (1400) 22-24' (1405)
- 1410 Photo 8: H-20 24-28' bgs (S)
bgs 24-26' (1410) 26-28' (1415)
- 1420 Photo 9: H-20 28-32' bgs (S)
bgs 28-30' (1420) 30-32' (1425)
- 1430 Photo 10: H-20 32-34' bgs (S)
bgs 32-34' (1430)
- 1435 Photo 11: H-20 34-36' bgs (S)
bgs 34-36' (1435)
- 1440 Photo 12: H-20 36-38' bgs (S)
bgs 36-38' (1440)
- 1445 Photo 13: H-20 38-40' bgs (S)
bgs 38-40' (1445) 16' test photo 13

Sunny, warm 70's

1450 Photo 14: H-20 40-42' bgs (S)

bag 40-42' (1450)

1455 Photo 15: H-20 42-44' bgs (S)

~~1455~~ bag 42-44' (1455)

1500 Photo 16: H-20 44-48' bgs (S)

bag 44-46' (1500) 46-48' (1505)

1614 Icon to set well @

H-20, Screen 35-45'

Will use same hole, re-enter
same hole w/ 2.25" barrels &
point

1625 Icon sampling the following

1) 0-2' (1315) No split

2) 4-6' (1320)

3) 8-10' (1330)

4) 15-20' (1355)

5) 25-30' (1420)

6) 35-40' (1445)

(took picture of Icon's case)

1645 Well has been installed

@ H-20

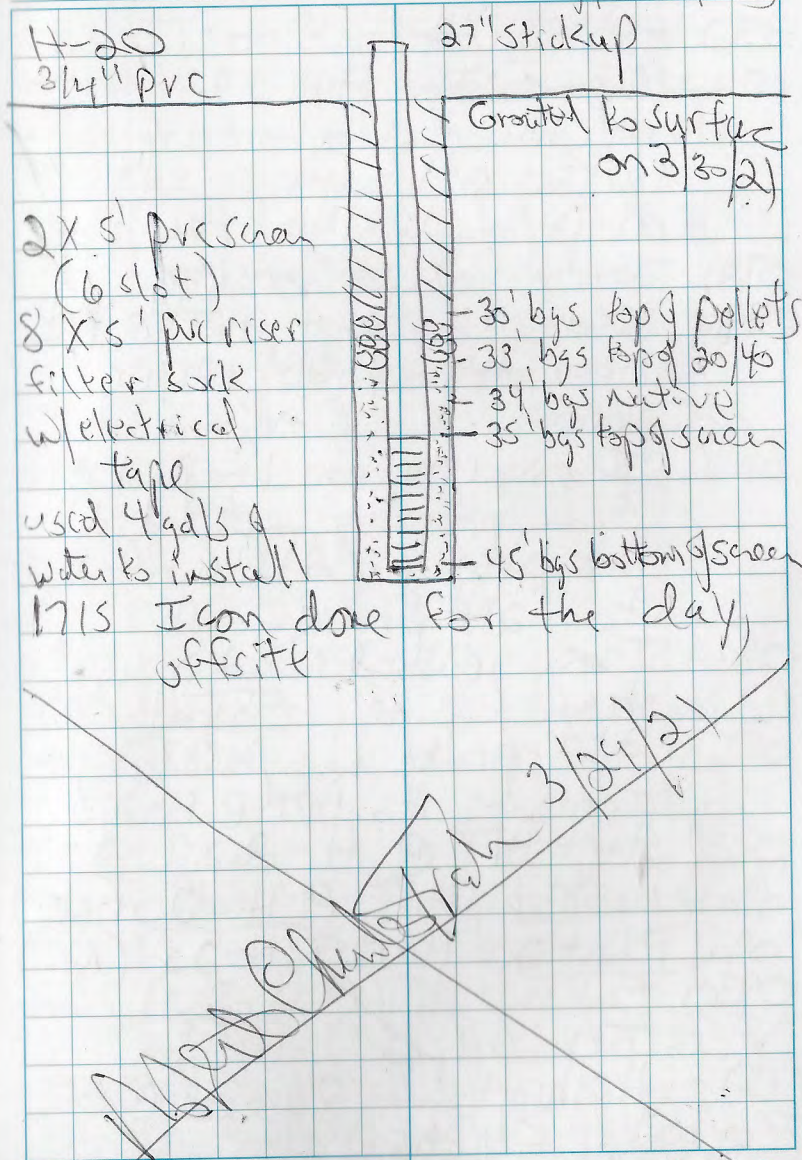
1655 Icon added 2 3/4" seal

+ pellets, also used ~ 4 gals

to set well

Albert Charles Tech 3/29/21

Sunny, warm 70's



Henning

3/30/21

0526033

P. cloudy, mild, 60's

0720 onsite

0722 Icon onsite

- 1) Chase Lambert
- 2) Jay Culpepper
- 3) Dylan White

0728 Jerry Fontenot onsite

0730 Icon to attempt HPT @ H-20,
will try w/ 2nd HPT/EC
probe.0749 Icon retested 1st probe
from yesterday, EC did
not pass, will switch
to 2nd probe0815 Icon grouted H-20, used
tremie pipe, ~5 gals0833 2nd probe has passed,
Icon to do HPT @ H-20

0859 Start HPT @ H-20

0900 Photo 1: HPT @ H-20 (NE)

0901 Photo 2: HPT @ H-20 (NE)

0930 Finish HPT @ H-20

TD - 62.95'

Highest EC 240ms/cm @ ~

54' bgs

Abert Charles Tech 3/30/21

Henning

3/30/21

0526033

cloudy, warm 70's

0932 Icon to pull HPT @ H-20

0944 HPT out, Icon putting
in tremie pipe to grout
(SS of tremie pipe)1003 HPT @ H-20 grouted,
used ~8 gals1030 Icon waiting on call
from office to see if
additional well @ H-201145 Icon moving rig to next
location

1209 At H-21

15R 0508137

33283 1.3

1213 Photo 3: H-21 location (S)

1214 Start soil sample @
(No well) will process back
@ front

1220 Photo 4: H-21 0-4' bgs (W)

bag 0-2 (1220) 2-4' NA

1225 Photo 5: H-21 4-8' bgs (W)

bag 4-6 (1225) 6-8' (1230)

1235 Photo 6: H-21 8-12' bgs (W)

bag 8-10' (1235) 10-12' (1240)

Abert Charles Tech 3/30/21

cloudy, warm, 70's

- 1245 Photo 7: H-21 12-16' bgs (w)
bgs 12-14' (1245) 14-16' (1250)
- 1250 Eric Montenegro w/ HPT onsite
- 1255 Icon attempted to run PIT
on H-21 but issue w/ meter
- 1300 Icon running the following
- 1) 0-2' (1220)
 - 2) 6-8' (1230) no split
 - 3) 8-10' (1235)
 - 4) 10-12' (1240)
 - 5) 14-16' (1250)
- 1305 Icon to grade H-21
- 1330 H-21 grouted, used 25 bags
of grout (tremie pipe used)
- 1350 Move rig to next location
- 1425 Rig is on next location,
Icon calling it a day,
no work on 3/31/21, back
onsite 4/1/21

~~Next Charles Trach 3/30/21~~

Sunny, cool, 50's

0815 onsite

Icon onsite

- 1) Chase Joubert
- 2) Dylan White
- 3) Jay Culpepper

0840 Icon is set up @
H-22, testing HPT

0845 Photo 1: H-22 location (N)

0854 Jerry Fontenot onsite

0855 H-22 @

15 R 0508092

3328089

0900 HPT passed test, string
up

0913 Retest HPT after stringing up

0922 HPT retest pass

0924 Start HPT @ H-22

0935 Eric Montenegro w/ HPT onsite

0947 Finish HPT @ H-22
TD 5/20'highest EC @ ~13 \Rightarrow 240 mS/cm

0950 Icon pulling HPT

0956 Icon to grade HPT @ H-22
using tremie pipe

Next Charles Trach 4/1/21

sunny, cool, 50's

1000 Icon saying issue saving
HPT file for H-22, may
have not saved

1001 Photo 2: HPT screen for H-22 (S)

1006 Icon now saying has file
for HPT @ H-22

1013 HPT @ H-22 granted, well
~ 7 gal

1032 Photo 3: H-22 (N)

1035 Back @ front Icon to
by H-22 at front, wait
on cores

1115 Eric Montesano (HET offsite)

12K Photo 4: H-22 0-4' bgs (E)

bag 0-2' (1215) 2-4' NA

1220 Photo 5: H-22 4-8' bgs (E)

bag 4-6' (1220) 6-8' (1225)

1230 Photo 6: H-22 8-12' bgs (E)

bag 8-10' (1230) 10-12' (1235)

1240 Photo 7: H-22 12-16' bgs (E)

bag 12-14' (1240) 14-16' (1245)

1245 Photo 8: H-22 16-20' bgs (E)

bag 16-18' (1250) 18-20' (1255)

Next Charles Train 4/1/21

sunny, mild, 60's

1300 Photo 9: H-22 20-24' bgs (E)

bag 20-22' (1300) 22-24' (1305)

1310 Photo 10: H-22 24-28' bgs (E)

bag 24-26' (1310) 26-28' (1315)

1320 Photo 11: H-22 28-32' bgs (E)

bag 28-30' (1320) 30-32' (1325)

1330 Photo 12: H-22 32-36' bgs (E)

bag 32-34' (1330) 34-36' (1335)

1340 Photo 13: H-22 36-40' bgs (E)

bag 36-38' (1340) 38-40' (1345)

1350 Photo 14: H-22 40-42' bgs (E)

bag 40-42' (1350)

1355 Photo 15: H-22 42-44' bgs (E)

bag 42-44' (1355)

Icon sample

the following

1) 0-2' (1215)

sample times on

2) 4-6' (1220)

photos/sample

3) 8-10' (1230)

just actual

4) 14-16' (1245)

times - went

5) 28-30' (1320)

on swim intervals

6) 40-42' (1350)

Icon settings well

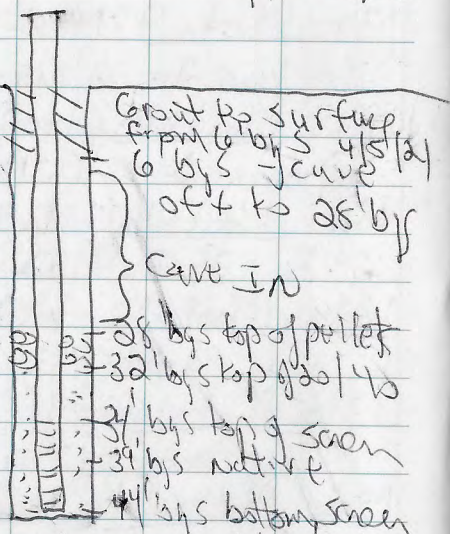
H-22 34-44' bgs

Next Charles Train 4/1/21

SUNNY, Mild, 60's

H-22
3/4"

2x5' PVC screen
6 slot
8x5' PVC riser
filter sock
w/ electric tape



same hole, went back in w/ point

Icon will grout on 4/5/21
H-22 is open hole above pellets w/ 2.25" barrels
1400 Icon done for the day, offsite

~~Met Charles Truh 4/1/21~~

SUNNY, Mild, 60's

0820 onsite
0855 Jerry Fontenot onsite
0919 Chase Joubert w/Icon onsite
0933 Dylan White w/Icon onsite
0937 Mason Jewell w/Icon onsite
0957 Icon has grouted H-22 annulus had caved off @ ~ 6' bps, wheel ~ 4 gal @ grout, grout was top loaded

1009 Photo 1: H-22 (E)
1010 Icon moving to next location, will need to clear path

1053 At H-23 location @ ISR 0508079 3328398

1058 Photo 2: H-23 location (S)
Icon setting up to HPT
1120 Icon running test on HPT
1134 HPT passed, will HPT @ H-23
1155 start HPT @ H-23

Met Charles Truh 4/5/21

P. cloudy, warm 70's

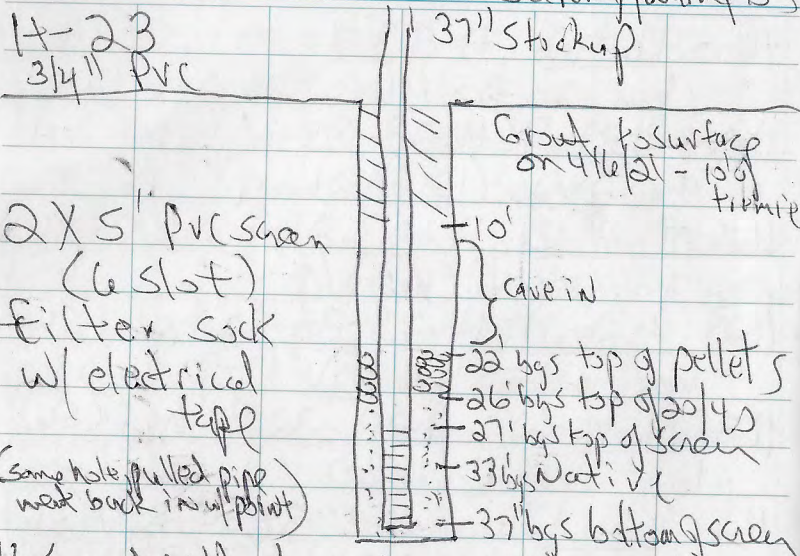
- 1224 Finish HPT @ H-23
TD 58.95'
 - Highest EC @ 20 mskm @ ~51 bgs
 - 1226 Pulling HPT rods @ H-23
 - 1233 Rods remove ~58' of tremie
pipe placed in HPT boring
to 9' but
 - 1245 HPT hole grouted to
surface, mud ~ 8 gal
 - 1300 Iron to soil sample @
H-23 after break
 - 1350 Drill crew head to rig, wait
on cores
 - 1510 Iron to set
 - 1515 Photo 3: H-23 0-4' bgs (sw)
bag 0-2' (1515) 2-4' NA
 - 1520 Photo 4: H-23 4-8' bgs (sw)
bag 4-6' (1520) 6-8' (1525)
 - 1530 Photo 5: H-23 8-12' bgs (sw)
bag 8-10' (1530) 10-12' (1535)
 - 1540 Photo 6: H-23 12-16' bgs (sw)
bag 12-14' (1540) 14-16' (1545)
 - 1550 Photo 7: H-23 16-20' bgs (sw)
bag 16-18' (1550) 18-20' (1555)
- Robert Charles Trach 4/5/21

Sunny, warm 70's

- 1600 Photo 8: H-23 20-24' bgs (sw)
bag 20-22' (1600) 22-24' (1605)
 - 1610 Photo 9: H-23 24-28' bgs (sw)
bag 24-26' (1610) 26-28' (1615)
 - 1620 Photo 10: H-23 28-30' bgs (sw)
bag 28-30' (1620)
 - 1625 Photo 11: H-23 30-32' bgs (sw)
bag 30-32' (1625)
 - 1630 Photo 12: H-23 32-34' bgs (sw)
bag 32-34' (1630)
 - 1635 Photo 13: H-23 34-35' bgs (sw)
~~bag 34-36' (1635)~~ Iron (contaminated) 34-35' 35-36'
 - ~~Photo 14: H-23 35-36' bgs (sw)~~ Iron
 - ~~bag 35-36' (1640)~~ bag 34-36' (1635)
 - 1640 Photo 15: H-23 36-37' bgs (sw)
bag 36-37' (1645)
 - 1645 Iron Sampling the following
 - 1) 0-2' (1515)
 - 2) 4-6' (1520)
 - 3) 10-12' (1535)
 - 4) 14-16' (1545)
 - 5) 28-30' (1620)
 - 6) 32-34' (1630)
- } splits on
cell samples
- Robert Charles Trach 4/5/21

Location Henning Date 4/5/21
Project / Client 0526033

Sunny, warm 70's



1650 Well has be set, will
grout in morning, all
pipe out of boring, open hole

1655 off site

~~Met Charles Trach 4/5/21~~

Location Henning Date 4/6/21
Project / Client 0526033

P. Sunny, Mild, 60's

- 0715 onsite
Mason Jewell w/Icon onsite
 - 0720 Chase Toubert & Dylan White
w/Icon onsite
 - 0735 Icon to grout H-23
 - 0757 H-23 grouted, used 10'
of tremie (cave in @ ~10' bgs)
used ~ 3 gals
 - 0804 Photo 1: H-23 (E)
 - 0810 wait on Chris Miller to
move rig.
 - 0830 At old tank battery
location, Icon to have boring
to south in field, still need
to move rig
 - 0850 Icon moving to Pad East
of Hwy 14, other area maybe
for wet
 - 0915 Rig moved to staging area
on pad west of Hwy 14
Jerry Fontenot onsite
 - 0947 At H-24
ISR. 0508615
3327849
- Met Charles Trach 4/6/21 *File in the Rain*

Location HenningDate 4/6/21Project / Client OS26033

cloudy, warm, 70's

- 0948 Photo 2: H-24 location (E)
 0949 Photo 3: H-24 location (W)
 0950 Icon setting up to HPT,
 will test probe
 1024 HPT probe pass, start
 HPT @ H-24 location
 1050 Finish HPT @ H-24
 TID 58.55
 highest EC @ 300ms/cm @ ~13' bgs
 1051 Icon to pull HPT rods
 + great long tremie pipe
 1058 HPT rods pulled,
 55' of tremie pipe used
 1110 HPT hole grouted @ H-24
 ~8 gals, Icon to decom
 then break
 Icon to sample H-24 to 40' bgs
 1200 Icon set up to soil sample
 1214 Start soil sample @ H-24
 1215 Photo 4: H-24 0-4' bgs (E)
 bag 0-2' (1215) 2-4' NA
 1220 Photo 5: H-24 4-8' bgs (E)
 bag 4-6' (1220) 6-8' (1225).

Robert Charles Train 4/6/21

Henning4/6/21

Project / Client

OS26033

cloudy,

- 1230 Photo 6: H-24 8-12' bgs (E)
 bag 8-10' (1230) 10-12' (1235)
 1240 Photo 7: H-24 12-14' bgs (E)
 bag 12-14' (1240)
 1245 Photo 8: H-24 14-16' bgs (E)
 bag 14-16' (1245)
 1250 Photo 9: H-24 16-18' bgs (E)
 bag 16-18' (1250)
 1255 Photo 10: H-24 18-20' bgs (E)
 bag 18-20' (1255)
 1300 Photo 11: H-24 20-22' bgs (E)
 bag 20-22' (1300)
 1305 Photo 12: H-24 22-24' bgs (E)
 bag 22-24' (1305)
 1310 Photo 13: H-24 24-26' bgs (E)
 bag 24-26' (1310)
 1315 Photo 14: H-24 26-28' bgs (E)
 bag 26-28' (1315)
 1320 Photo 15: H-24 28-30' bgs (E)
 bag 28-30' (1320)
 1325 Photo 16: H-24 30-32' bgs (E)
 bag 30-32' (1325)
 1330 Photo 17: H-24 32-34' bgs (E)
 bag 32-34' (1330)

Robert Charles Train 4/6/21

Location Henning Date 4/6/21
 Project / Client 0526033

P. Cloudy, warm, 70's

1335 Photo 18: H-24 34-36' bgs (E)
 bag 34-36' (1335)

1340 Photo 19: H-24 36-38' bgs (E)
 bag 36-38' (1340)

1345 Photo 20: H-24 38-40' bgs (E)
 bag 38-40' (1345)

1350 Photo 21: H-24 40-42' bgs (E)
 bag 40-42' (1350)

1355 Photo 22: H-24 42-43' bgs (E)
 bag 42-43' (1355) combined

1358 Photo 23: H-24 43-44' bgs (E)
 bag 43-44' (1358) combined

Icon bag 42-44' (1355) one bag

1400 Photo 24: H-24 44-46' bgs (E)
 bag 44-46' (1400)

Icon to set well @ H-24
 screen 41-46' bgs, same hole
 pull pipe up back in w/ joint

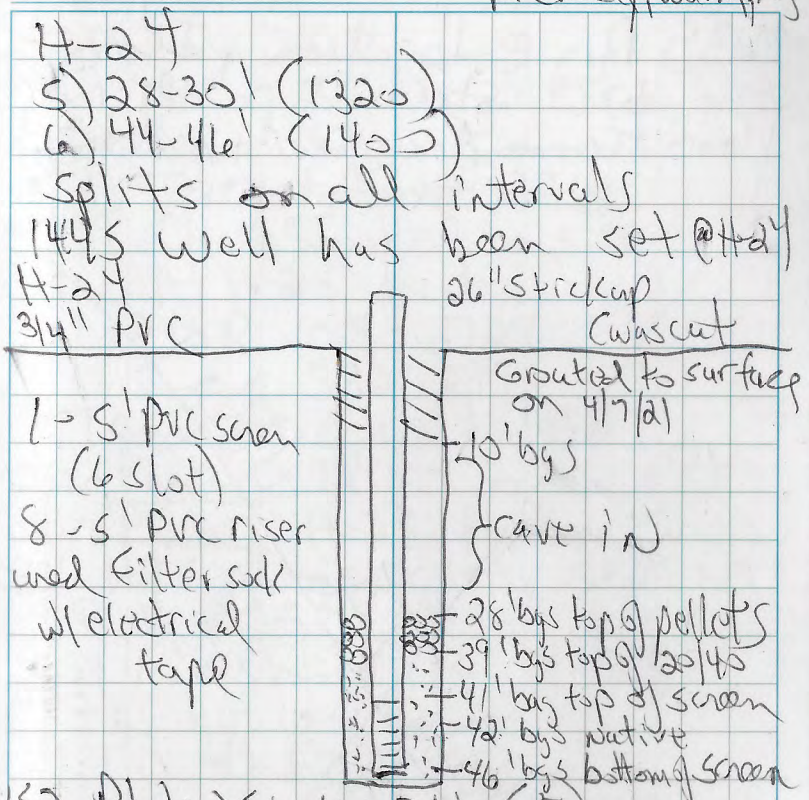
1420 Icon sampling the following

- 1) 0-2' (1215)
- 2) 4-6' (1220)
- 3) 8-10' (1230)
- 4) 12-14' (1240)

Report @ Charles Train 4/6/21

Location Henning Date 4/6/21
 Project / Client 0526033

P. Cloudy, warm, 70's



H-24
 5) 28-30' (1320)
 6) 44-46' (1400)

Splits on all intervals
 1445 Well has been set @ H-24

H-24
 3 1/4" PVC
 1-5' PVC screen (6 slot)
 8-5' PVC riser used filter sock w/ electrical tape
 26" stick cap
 C was cut
 Grouted to surface on 4/7/21
 10' bgs
 cave in
 28' bgs top of pellets
 39' bgs top of 20/40
 41' bgs top of screen
 42' bgs native
 46' bgs bottom of screen

1452 Photo 25: H-24 (E)

1500 Icon to load up rig equipment + move to next location

1520 Icon has checked out access @ next area (3 locations) goy to get rig

1545 Icon @ location w/ rig & equipment

Report @ Charles Train 4/6/21 *It's in the Rain*

Location Hennings Date 4/6/21

Project / Client 0526033

P. Cloudy, warm, 80's

1135 Rig @ location, Icon has strung up HPT rods
1150 Icon done for the day, offsite

~~Report Charles Trevi 4/6/21~~

Location Hennings Date 4/7/21

Project / Client 0526033

cloudy, warm, 70's

0715 onsite
 Mason Jewell w/ Icon onsite
 0726 Dylan White w/ Icon onsite
 0733 Jerry Fawcett onsite
 0749 Chase Joubert onsite
 0800 At H-25 location
 @ 15R 0506724
 3327899
 Icon setting up to HPT
 0806 Photo 1: H-25 location (SE)
 0807 Photo 2: H-25 location (NW)
 0836 HPT probe pass test, Start HPT
 @ H-25
 0859 Finish HPT @ H-25
 EC not working
 TD 49.50 bgs
 0900 Icon pulling HPT rods + will grout
 0906 HPT rods out, using tremie pipe to grout, tremie pipe @ 48 bgs
 0917 HPT hole grouted @ H-25, used ~ 8 bags
 1050 Icon has gone to 40' bgs
 No water zone, will need to go deeper
 Report Charles Trevi 4/7/21

HENNING

4/7/21

OS26033

cloudy, warm 70's

- 1051 Dylan going to grout H-24 before going deeper
- 1114 H-24 has been grouted used 10' of tremie pipe used ~4 gals of grout
- 1130 Photo 3: H-25 0-4' bgs (E)
bag 0-2' (1130) 2-4' (1135)
- 1140 Photo 4: H-25 4-8' bgs (E)
bag 4-6' (1140) 6-8' (1145)
- 1150 Photo 5: H-25 8-12' bgs (E)
bag 8-10' (1150) 10-12' (1155)
- 1200 Photo 6: H-25 12-16' bgs (E)
bag 12-14' (1200) 14-16' (1205)
- 1210 Photo 7: H-25 16-20' bgs (E)
bag 16-18' (1210) 18-20' (1215)
- 1220 Photo 8: H-25 20-24' bgs (E)
bag 20-22' (1220) 22-24' (1225)
- 1230 Photo 9: H-25 24-26' bgs (E)
bag 24-26' (1230)
- 1235 Photo 10: H-25 26-28' bgs (E)
bag 26-28' (1235)
- 1240 Photo 11: H-25 28-30' bgs (E)
bag 28-30' (1240)

Matt Charles Trehan 4/7/21

HENNING

4/7/21

OS26033

cloudy, warm 70's

- 1245 Photo 12: H-25 30-32' bgs (E)
bag 30-32' (1245)
- 1250 Photo 13: H-25 32-34' bgs (E)
bag 32-34' (1250)
- 1255 Photo 14: H-25 34-36' bgs (E)
bag 34-36' (1255)
- 1300 Photo 15: H-25 36-38' bgs (E)
bag 36-38' (1300)
- 1305 Photo 16: H-25 38-40' bgs (E)
bag 38-40' (1305)
- 1310 Photo 17: H-25 40-42' bgs (E)
bag 40-42' (1310)
- 1315 Photo 18: H-25 42-44' bgs (E)
bag 42-44' (1315)
- 1320 Photo 19: H-25 44-46' bgs (E)
bag 44-46' (1320)
- 1325 Photo 20: H-25 46-48' bgs (E)
bag 46-48' (1325)

Icon to sample the following

- 1) 0-2' (1130)
- 2) 4-6' (1140)
- 3) 6-8' (1145)
- 4) 8-10' (1150)
- 5) 10-12' (1155)
- 6) 24-26' (1230)
- 7) 40-42' (1310)

Matt Charles Trehan 4/7/21

R26 in the Rain

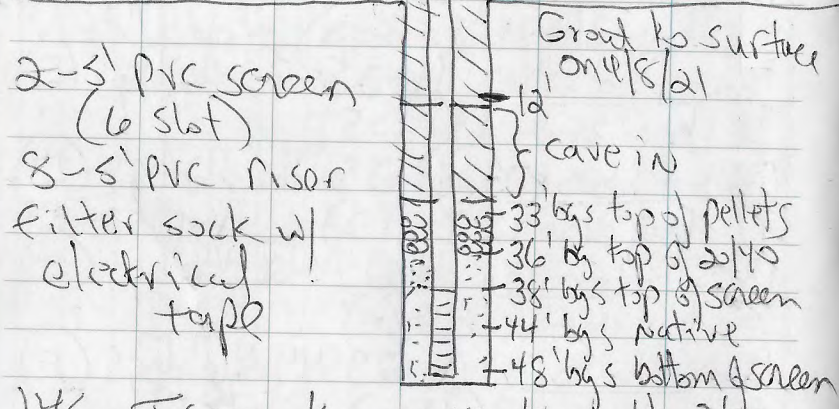
Location Henning
 Project / Client 0526033

Date 4/7/21

Cloudy, warm, 70's

1345 Icon to set well @ H-25
 Screen 38-48' bgs, use
 same hole, go back in w/
 point

1440 Well @ H-25 has been set
 H-25
 3/4" PVC
 26" stickup



1450 Icon to move to H-26
 to do ~~IT~~ EC probe only

1456 Photo 21: H-25 (S)

1505 Photo 22: H-26 location (S)

1506 Photo 23: H-26 location (SE)

1510 H-26

@ 15R 0506899
 3327907

Asst Charles Trahn 4/7/21

Location Henning

Project / Client 0526033

Date 4/7/21

Cloudy, warm, 70's

1527 Start EC probe @ H-26

1545 Finish EC probe @ H-26

TD ~~6.25~~ 53.30' bgs

Highest EC ~205 us/cm @ ~18' bgs

Icon to pull EC probe/rods
 + grout

1550 Graph for EC data maybe showing
 issue w/ data - graph line not
 looking right, issue started around
 ~40' bgs

1553 EC probe/rods pulled, 50' of
 tremie pipe in hole to grout

1601 Icon re-test EC probe,
 probe passed (tested before
 + after, twice)

1604 EC probe hole @ H-26
 has been grouted

1623 At H-27 location

@ 15R 0507109 3327897

1624 Photo 24: H-27 location (W)

1625 Photo 25: H-27 location (NW)

1634 Start EC probe @ H-27

1635 Stop EC probe, not working

properly, Icon to change out probe
 Asst Charles Trahn 4/7/21

Rate in the Rain

HENNING

4/7/21

0526033

Cloudy, warm, 70's

- 1651 Start EC probe @ H-27
(probe was changed out)
- 1703 Finish EC probe @
H-27
TD 53.0'
highest EC ~154 μ S/cm @ 18' bgs
will pull EC probe / rods
& grout
- 1710 EC probe / rods out of hole
put in 50' of tremie pipe
to grout
- 1723 EC probe hole grouted
used ~7 gals
- 1745 Icon done for the day,
offsite

~~Robert @ Charles Town 4/7/21~~

HENNING

4/8/21

0526033

Sunny, Cool, 50's

- 0715 onsite
Chase Joubert onsite
- 0722 Mason Jewell w/ Icon onsite
- 0740 Jerry Porter off onsite
- 0745 Waiting on Dylan White, was
rear ended on I10
- 0905 Icon grouted H-25
used 12' of tremie pipe
(cave in below), used ~6 gals
of grout
- 1045 Dylan White onsite will
soil sample @ H-26
- 1215 Photo 1: H-26 0-4' bgs (E)
0-2' (1215) 2-4' (1220)
- 1225 Photo 2: H-26 4-8' bgs (E)
4-6' (1225) 6-8' (1230)
- 1235 Photo 3: H-26 8-12' bgs (E)
8-10' (1235) 10-12' (1240)
- 1245 Photo 4: H-26 12-16' bgs (E)
bgs 12-14' (1245) 14-16' (1250)
- 1255 Photo 5: H-26 16-20' bgs (E)
bgs 16-18' (1255) 18-20' (1300)
- 1305 Photo 6: H-26 20-24' bgs (E)
bgs 20-22' (1305) 22-24' (1310)
- Robert @ Charles Town 4/8/21

sunny, warm, 80's

- 1315 Photo 7: H-26 24-26' bgs (E)
bag 24-26' (1315)
- 1320 Photo 8: H-26 26-28' bgs (E)
bag 26-28' (1320)
- 1325 Photo 9: H-26 28-30' bgs (E)
bag 28-30' (1325)
- 1330 Photo 10: H-26 30-32' bgs (E)
bag 30-32' (1330)
- 1335 Photo 11: H-26 32-34' bgs (E)
bag 32-34' (1335)
- 1340 Photo 12: H-26 34-36' bgs (E)
bag 34-36' (1340)
- 1345 Photo 13: H-26 36-38' bgs (E)
bag 36-38' (1345)
- 1347 Photo 14: H-26 37-38' bgs (E)
bag 36-38' (1345) Iron sample with
I push into bag
- 1350 Photo 15: H-26 38-39' bgs (E)
bag 38-40' (1350)
- 1352 Photo 16: H-26 39-40' bgs (E)
bag 38-40' (1350)
- 1355 Photo 17: H-26 40-41' bgs (E)
bag 40-42' (1355)
- 1357 Photo 18: H-26 41-42' bgs (E)
bag 40-42' (1355)

Meet @ Charles Trak 4/8/21

sunny, warm, 80's

- 1400 Photo 19: H-26 42-43' bgs (E)
bag 42-44' (1400)
- 1402 Photo 20: H-26 43-44' bgs (E)
bag 42-44' (1400)
- 1405 Photo 21: H-26 44-45' bgs (E)
bag 44-46' (1405)
- 1407 Photo 22: H-26 45-46' bgs (E)
bag 44-46' (1405)
- 1410 Photo 23: H-26 46-47' bgs (E)
bag 46-48' (1410)
- 1412 Photo 24: H-26 47-48' bgs (E)
bag 46-48' (1410)
- 1500 Photo 25: H-26 48-49' bgs (E)
bag 48-49' (1500)
- Icon to set well @ H-26,
Screen 45-50' bgs
- 1510 Icon to sample the following:
- | | |
|------------------|------------------|
| 1) 0-2' (1215) | 8) 48-49' (1500) |
| 2) 4-6' (1225) | |
| 3) 6-8' (1230) | |
| 4) 8-10' (1235) | |
| 5) 10-12' (1240) | |
| 6) 22-24' (1310) | |
| 7) 30-32' (1330) | |
- spills on all

Meet @ Charles Trak 4/8/21 rite in the rain

Location Henning

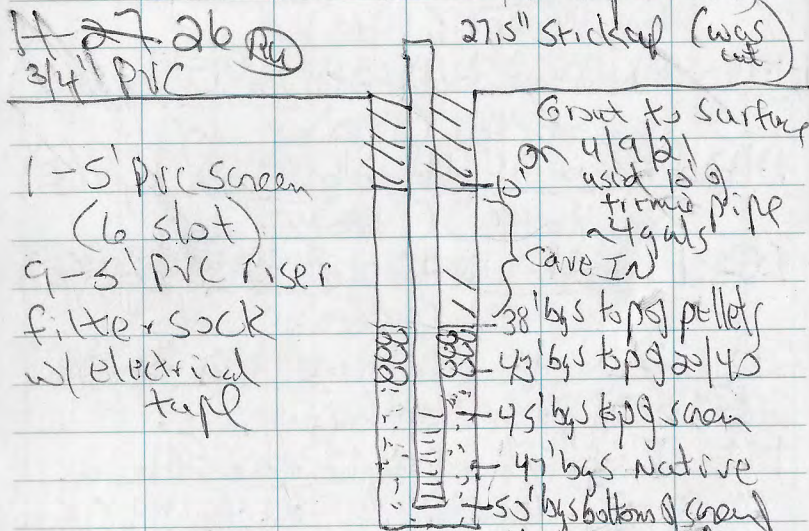
Date 4/8/21

Project / Client 0526033

Sunny, warm, 80's

1640 Icon having issue set well @ H-26. lost 2x 25" barrels in hole but able to retrieve

1712 PVC well in place. Icon to check on native + then add 20/40 + pellets



1730 20/40 sand + pellets added, will move rig in morning

1745 Back @ truck, Icon done for the day. 4/8/21

~~Met Charles Trach~~

Location Henning

Date 4/9/21

Project / Client 0526033

overcast, warm 70's

0715 onsite

Chase Joubert w/ Icon onsite

0724 Mason Jewell w/ Icon onsite

0730 Terry Fontenot onsite

0736 Dylan White w/ Icon onsite

0800 Drill crew heading to graut H-26 + move rig to H-27 and soil sample

0810at Photo 1: H-27 0-4' bgs (E)

bag 0-2' (1015) 2-4' (1020)

1025 Photo 2: H-27 4-8' bgs (E)

bag 4-6' (1025) 6-8' (1030)

1035 Photo 3: H-27 8-12' bgs (E)

bag 8-10' (1035) 10-12' (1040)

1045 Photo 4: H-27 12-16' bgs (E)

bag 12-14' (1045) 14-16' (1050)

1055 Photo 5: H-27 16-20' bgs (E)

bag 16-18' (1055) 18-20' (1100)

1105 Photo 6: H-27 20-22' bgs (E)

bag 20-22' (1105)

1110 Photo 7: H-27 22-24' bgs (E)

bag 22-24' (1110)

1115 Photo 8: H-27 24-26' bgs (E)

bag 24-26' (1115)

Met Charles Trach 4/9/21

Rite in the Rain

cloudy, warm, 70's

- 1120 Photo 9: H-27 26-28' bgs (E)
bag 26-28' (1120)
- 1125 Photo 10: H-27 28-30' bgs (E)
bag 28-30' (1125)
- 1130 Photo 11: H-27 30-32' bgs (E)
bag 30-32' (1130)
- 1135 Photo 12: H-27 32-34' bgs (E)
bag 32-34' (1135)
- 1140 Photo 13: H-27 34-36' bgs (E)
bag 34-36' (1140)
- 1145 Photo 14: H-27 36-38' bgs (E)
bag 36-38' (1145)
- 1150 Photo 15: H-27 38-40' bgs (E)
bag 38-40' (1150)
- 1155 Photo 16: H-27 40-41' bgs (E)
- 1157 Photo 17: H-27 41-42' bgs (E)
bag 40-42' (1155) combined by Icon
- 1200 Photo 18: H-27 42-43' bgs (E)
- 1202 Photo 19: H-27 43-44' bgs (E)
bag 42-44' (1200)
- 1205 Photo 20: H-27 44-45' bgs (E)
- 1207 Photo 21: H-27 45-46' bgs (E)
bag 44-46' (1205)

Robert Charles Trach 4/9/12

cloudy, warm, 70's

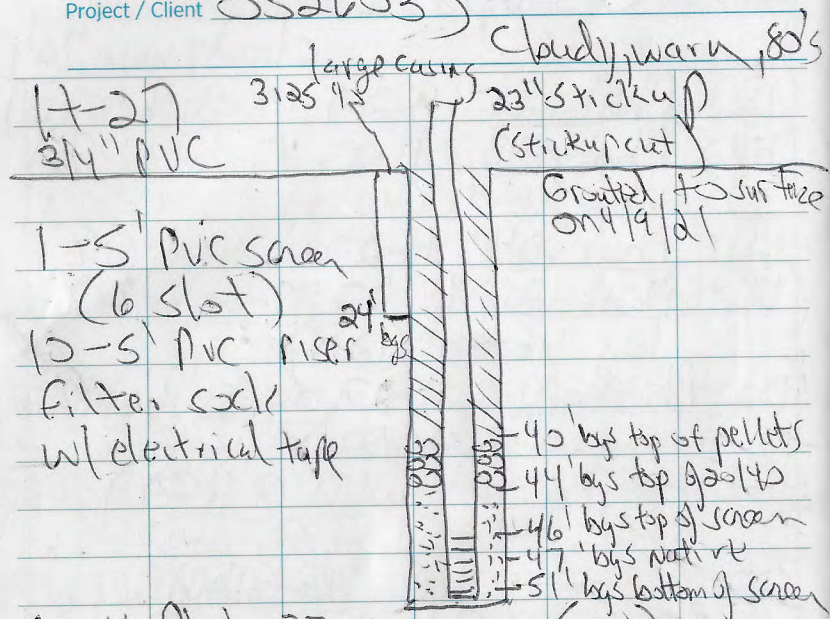
- 1210 Photo 22: H-27 46-47' bgs (E)
- 1212 Photo 23: H-27 47-48' bgs (E)
bag 46-48' (1210)
- 1215 Photo 24: H-27 48-49' bgs (E)
- 1217 Photo 25: H-27 49-50' bgs (E)
bag 48-50' (1215)
- 1220 Photo 26: H-27 50-51' bgs (E)
bag 50-51' (1220)
- Icon to set well @ H-27
screen 46-51' bgs
- 1225 Icon sample the following
- 1) 0-2' (1315)
 - 2) 4-6' (1025)
 - 3) 6-8' (1030)
 - 4) 8-10' (1035)
 - 5) 10-12' No split (1040)
 - 6) 16-18' (1055)
 - 7) 34-36' (1140)
 - 8) 50-51' (1220)
- 1230 Well has been set, sand & pellets added
Icon cased off hole to 24' bgs
w/ 3.25"
- Icon to wait to grout well - 2 hrs.

Robert Charles Trach 4/9/12 rite in the rain

HENNING

4/9/21

0526033



1314 Photo 27: H-26 (W)

1318 Photo 28: H-27 (N)

Icon complete pads

H-25 + H-26, Have also done pads @ H-20, H-22, H-24 during the week, still need

pad @ H-23 (do next week)

1349 Photo 29: H-26 w/ pad (E)

1358 Icon to grout H-27

Use 44' of tremie, inside 3.25" barrels

1402 Icon pulling 3.25" before pouring grout down tremie
Meet Charles' team 4/9/21

HENNING

4/9/21

0526033

cloudy, warm, 80's

1406 Photo 30: Icon grout H-27 (NE)

1424 H-27 grouted to surface ~ 14 gals

1431 Photo 31: H-25 w/ pad (S)

1445 Icon to finish decon

of well drill pipe (all decon had been bucket wash, water

to ground) and then pick

up + move rig to trailer, done for the week

1450 offsite

~~Photo 32: H-26 4/9/21~~

Location Hennings Date 4/12/21Project / Client OS26033

Sunny, warm 70's

1025 onsite, drop off samples
this morning @ Element
Labs

Airboat specialist onsite
w/ Marsh Master w/ SBB
Gasphe

1030 Jerry Fontenot onsite

1040 Jay Culpepper w/ Icon onsite

1055 Chase Stoubert w/ Icon
onsite

Also Dwayne Corley (w/ Jerry
Fontenot)

1100 Dylan White w/ Icon onsite

1120 Icon mls marsh master
to location

1139 Photo 1: H-28 location (SW)
@ ISR 0508643
3327822

~1' of water

1200 Photo 2: H-28 0-4' bgs (E)
bag 0-2' (1200) 2-4' NA

1205 Photo 3: H-28 4-8' bgs (E)
bag 4-6' (1205) 6-8' (1210)

1215 Photo 4: H-28 8-12' bgs (E)
bag 8-10' (1215) 10-12' (1220)

Met Charles Truh 4/12/21

Hennings4/12/21

Project / Client

OS26033

Sunny, warm 70's

1225 Photo 4A: H-28 12-15' bgs (E)
bag 12-14' (1225) 14-15' (1230)

Icon to great borrow
Icon to sample the following:

1) 0-2' (1200)

2) 4-6' (1205)

3) 6-8' (1210)

4) 14-15' (1230)

1235 H-28 graded, used tremie
pipe

will move to next area on
west side of Hwy 14,

1250 Marsh Master on west side
of Hwy 14, will load and
move to next location

1310 Photo 5: Area where H-29
through H-31 located (SW)
(rig @ H-29)

1315 Icon will do all 3
location (0-12' bgs) then
bring cores back to
truck area to be
processed

Met Charles Truh 4/12/21

Location Henning Date 4/12/21Project / Client 0526033

Sunny, warm, 80's

1415 Marsh Meter back @ trucks
w/ coresH-29
@ ISR 507897
3328049H-30
@ ISR 507878
3328049H-31
@ ISR 507826
33280651420 Photo 6: H-29 0-4' bgs (w)
bag 0-2' (1420) 2-4' (NA)1425 Photo 7: H-29 4-8' bgs (w)
bag 4-6' (1425) 6-8' (1430)1435 Photo 8: H-29 8-12' bgs (w)
bag 8-10' (1435) 10-12' (1440)1445 Photo 9: H-30 0-4' bgs (w)
bag 0-2' (1445) 2-4' (NA)1450 Photo 10: H-30 4-8' bgs (w)
bag 4-6' (1450) 6-8' (1455)1500 Photo 11: H-30 8-12' bgs (w)
bag 8-10' (1500) 10-12' (1505)

Mert Charles Truh 4/12/21

Location Henning Date 4/12/21Project / Client 0526033

Sunny, warm, 80's

1510 Photo 12: H-31 0-4' bgs (w)
bag 0-2' (1510) 2-4' (NA)1515 Photo 13: H-31 4-8' bgs (w)
bag 4-6' (1515) 6-8' (1520)1525 Photo 14: H-31 8-12' bgs (w)
bag 8-10' (1525) 10-12' (1530)

Icon to sample the following.

H-29
1) 0-2' (1420)
2) 4-6' (1425)
3) 8-10' (1435)
4) 10-12' (1440) } split allH-30
1) 0-2' (1445)
2) 4-6' (1450)
3) 8-10' (1500)
4) 10-12' (1505) } split allH-31
1) 0-2' (1510) no split
2) 6-8' (1520) no split
3) 8-10' (1525)
4) 10-12' (1530)

1551 Photo 15: H-23 w/pod (E)

Mert Charles Truh 4/12/21

Location HERNING Date 4/12/21

Project / Client 0526033

Sunny, warm, 80's

1556 Photo 16: H-29 location (SW)

1557 Photo 17: H-30 location (N)

1559 Photo 18: H-31 location (NE)

1600 All 3 borings H-29 to H-31 have been

grouted, used tremie pipe

1615 Icon done for the day, off site

~~Robert Charles Frahm 4/12/21~~

Location HERNING Date 4/13/21

Project / Client 0526033

overcast, warm, 70's

0719 onsite

Chase Soubert onsite

light rain/drizzle

0725 Jerry Fontenot onsite

0730 Chase waiting to see what rain/drizzle will do before

Starting

0830 Icon is calling it due to rain, will plan on coming back next week

~~Robert Charles Frahm 4/13/21~~

Location HAYES, LA

Date 4/19/2021

Project / Client HENNING - 0526033

SUNNY 60°

KURT BOEHRINGER

0840 - ARRIVE ONSITE

CHASE JOUBERT (ICON) ONSITE

TAILGATE SAFETY MTG.

0915 - MOBE TO H-20 (SCREENED 35-45')

DTW: 2.18' TD: 45.58' S.V. 1.45'

0923 - PUMP ON, TUBING @ TD, 3/4" WELL

PERI-PUMP, ULTRAMETER, TURB METER

TIME	VOL	TEMP	pH	COND. ⁵	ORP	TDS ^{PPM}	TURB
0930	1 GAL	20.1	6.09	2771	138	2015	647
0934	1.5	20.4	6.29	2883	113	2107	55
0938	2.0	20.4	6.45	2923	97	2140	20
0942	2.5	20.4	6.57	2933	99	2148	14
0946	3.0	20.4	6.66	2936	96	2149	10
0950	3.5	20.6	6.72	2942	97	2155	7
0954	4.0	20.6	6.79	2941	102	2153	6

1000 - SAMPLE COLLECTED ~~HA-20~~

* ICON COLLECT DUP

1020 - FINISH SAMPLING HA-20

JERRY FONTENOT ONSITE

1030 - MOBE TO H-22

KURT BOEHRINGER

Location HAYES, LA

Date 4/19/2021

Project / Client HENNING - 0526033

SUNNY 65°

KURT BOEHRINGER

H-22 3/4" PVC WELL (SCREENED 34-44')

DTW: 3.26' TD: 45.67' S.V. 1.95'

1036 - PUMP ON, TUBING @ TD

TIME	VOL.	TEMP	pH	COND.	ORP	TDS	TURB
1042	1	20.9	7.02	2602	101	1877	-
1046	1.5	21.1	6.95	2668	90	1926	27
1050	2.0	21.2	6.97	2673	87	1932	36
1054	2.5	20.9	6.99	2679	92	1937	21
1058	3.0	21.0	7.01	2676	92	1935	17
1102	3.5	21.1	7.02	2679	94	1940	20
1106	4.0	21.0	7.10	2679	96	1939	19

1110 - ~~HA-22~~ SAMPLE TIME1135 - FINISH SAMPLING ~~HA-22~~

1145 - 1230 - LUNCH

1245 - PACK UP + MOBE TO H-23

KURT BOEHRINGER

Location HAYES, LA

Project / Client HENNING-0526033

Date 4/19/21

SUNNY 70°

KURT BOEHRINGER

1255 - H-23 (SCREENED 27-37') 3/4" PVL
DTW: 3.52' TD: 38.55' SU: 1.55'

TIME	VOL.	TEMP	PH	COND. ^{US}	ORP	TDS ^{PPM}	TURB
1259	PUMP ON, TUBING @ TD						
1305	1.0 GAL	22.4	7.16	2827	90	2049	52
1311	1.5	22.0	7.21	2855	112	2072	30
1316	2.0	22.5	7.20	2862	110	2077	25
1320	2.5	22.3	7.22	2876	110	2086	22
1324	3.0	21.9	7.13	2859	113	2076	26
1328	3.5	22.2	7.13	2861	112	2089	12
1332	4.0	22.1	7.16	2874	112	2084	19

1335 - H-23 SAMPLE COLLECTED

1358 - FINISH SAMPLING H-23

MOVE TO H-24 (SCREENED 41-46')
3/4" PVL WELL

~~KURT BOEHRINGER~~
KURT BOEHRINGER

Location HAYES, LA

Project / Client HENNING-0526033

Date 4/19/21

SUNNY 70°

KURT BOEHRINGER

TIME	VOL.	TEMP	PH	COND. ^{US}	ORP	TDS ^{PPM}	TURB
1415	H-24 DTW: 4.23' TD: 47.85' SU: 1.9'						
1420	PUMP ON, TUBING @ TD						
1428	1.0 GAL	23.0	7.17	2749	129	1982	25
1432	1.5	22.6	7.06	2743	114	1981	19
1437	2.0	22.8	7.11	2751	113	1989	9
1442	2.5	22.3	7.17	2756	115	1991	11
1446	3.0	22.4	7.09	2752	108	1994	11
1450	3.5	22.1	7.08	2765	106	1994	9
1454	4.0	22.1	7.11	2766	112	1998	7

1500 - H-24 SAMPLE COLLECTED

1520 - FINISH COLLECTING H-24 SAMPLES

FULL KITS + RADS FOR ALL SAMPLES
COLLECTED TODAY1530 - PACK UP EQUIP.
OFFSITE

~~KURT BOEHRINGER~~
KURT BOEHRINGER

Location HAYES, LA

Project / Client HENNING - 0526033

Date 4/20/2021

PARTLY CLOUDY, 60°

KURT BOEHRINGER

0735 - ARRIVE ONSITE

CHASE SOUBERT (ICON) ONSITE

MOBE TO H-25 3/4" PVC (SCREEN 36-49)

DTW: 3.63' TD: 49.85' SU: 1.9'

0744 - PUMP ON, TUBING @ TD

TIME	VOL	TEMP	PH	COND ^{US}	ORP	TDS	TURB
0752	1.0 GAL	19.7	6.45	2273	142	1624	15

1250 - HAND PUMP CHECK VALVE

1253 1.5 23.3 7.57 2240 85 1593 -

1256 2.0 22.5 7.42 2247 72 1598 -

0800 - HEAD DOWN TO 33', UNABLE TO PUMP

MOBE TO NEXT WELL, COME BACK HERE LATER

0805 - SET UP ON H-26 (SCREEN 45-50') 3/4" PVC

DTW: 3.30' TD: 51.62' SU: 2.05'

0806 - PUMP ON, TUBING @ TD

0825 - PUMP OFF, HEAD @ 30', UNABLE TO PUMP

COME BACK TO THIS WELL LATER

MOBE TO H-27

H-26 READINGS:

TIME	VOL	TEMP	PH	COND	ORP	TDS	TURB
0817	0.5 GAL	19.7	7.07	1946	113	1375	-

0823 1.0 19.9 7.09 1966 44 1392 76

1243 HAND PUMP w/CHECK VALVE

1244 1.5 24.4 7.68 1942 71 1363 -

1246 1.75 23.4 7.64 1954 71 1370 -

1300 - PUMP ALL WELLS DRY + LET RECHARGE 1 HOUR

KURT BOEHRINGER

Location HAYES, LA

Project / Client HENNING - 0526033

Date 4/20/2021

SUNNY, 65°

KURT BOEHRINGER

0835 - SET UP ON H-27 (SCREENED 46-51')

DTW: 5.52' TD: 52.85' SU: 1.8'

0837 - PUMP ON, TUBING @ TD

TIME	VOL	TEMP	PH	COND	ORP	TDS	TURB
0841	0.5 GAL	19.9	7.11	2837	-19	2075	-

0846 1.0 20.2 7.05 2877 -60 2055 -

0851 PUMP OFF, HEAD TOO LOW TO PUMP

0910 - ICON TO GET CHECK VALVE FROM WAFAYETTE

1135 - ICON ONSITE

1150 - SET UP WATERRA PUMP ON H-27

1154 - PUMP ON, TUBING @ TD w/CHECK VALVE

- PUMP IS TRIPPING GENERATOR, START PUMPING BY HAND H-27

1202 1.5 21.6 7.52 2947 -21 2068 -

1219 2.5 22.8 7.36 2792 -6 2024 -

1225 - WELL DRY @ ~3 GAL

1400 - H-27 SAMPLE COLLECTED * NO RADE
ICON FILTER FOR DISS. METALS (NO TOTAL METALS)1425 - H-26 SAMPLE COLLECTED * DRY @ 175
* H-26 ICON COLLECT SALT JAR ONLY, NO VOLUME FOR ERM SPLIT mL

1440 - H-25 SAMPLE COLLECTED

1445 - DRY - STILL NEED SALTS + METALS - LET RECHARGE 1 HOUR

KURT BOEHRINGER

Kurt on the Run

Location Hayes, LA

Date 5/24/21

Project / Client 0526033 Menning

Michael Goodman

Overcast, 80's

1250 Arrive on site. Drive around a bit.
No sight of ICON yet. Safety Meeting,
review hasp.

1300 Duane C. > Hawkins representatives
Jerry Fortner

Derek with ICON doing norm survey
near well ~~H-20~~ H-1

Drew arrived onsite (with ICON)
Surveyors (Langlais) on site

1321 Derek is getting background values of
9-10 uR/hr. He will record areas above
15 and mark spots greater than 20

Drew is getting surveyors set up.

1425 Derek finished surveying everywhere around
H-1. Drew out on 4-wheeler with
surveyors

1435 Derek found some junk piles with elevated
norm concentrations, going to mark it off.
~2 feet of pipe above MR/hr, high of
70 MR/hr. See pictures

(P-1) Location name ISR 0508338

3327867

Michael Goodman

Location Hayes LA

Date 5/24/21

Project / Client 0526033

Michael Goodman

1503 at H-24 location for NORM
Survey. Well pad under water
No readings above ~6 MR/hr

1533 At H-20 location for NORM survey

1550 Met up with Drew. They have surveyed
and taken water levels at all the
wells except the 3 on the far west.
He is heading there now

1630 Finished norm survey around H-2, H-16,
H-10, + H-22. Did not identify
any areas above background.

1637 Drew has already taken off.
Derek finished with Norm survey

1640 Offsite

Michael Goodman

Location Hayes, LA Date 5/29/2021Project / Client Herring 0526033Michael Goodman

Clear, 70's

0730 Arrive on site, icon not here yet
 Site Safety meeting by myself.
 Plan for today is to Slug Test up
 to 5 wells

0735 Duane Corley on site

0740 Drew with ICON onsite

Erick with HET onsite

0750 Driving out to H-3 in side by side
 on flooded road

0808 at H-3

DTW 3.56' btoc

Add a ~ 2' pipe to top

DTW with pipe = 5.58'

Transducer at ~ 15' btoc with pipe

0829 Water elevation stable, start test

0834 ~ 8 oz water added

0846 ~ 8 oz water added

0856 ~ 8 oz water added

0906 Stop log. Finish at H-3

0926 At H-9 to start slug test

DTW - 3.21' btoc

Not adding extra pipe

Transducer at ~ 10 ft

0934 Start log at H-9

Michael Goodman

Location Hayes, LA Date 5/29/21 81Project / Client Herring 0526033Michael Goodman

5/24/2021 Water level measurements

taken by Drew

H-1	2.08'	btoc	H-23	3.32'
H-18	1.84'		H-12	3.54'
H-24	4.07'		H-9	3.19'
H-3	3.53'		H-10	6.95'
H-20	2.00'		H-25	3.80'
H-22	3.16'		H-26	4.28'
H-2	3.14'		H-27	5.34'
H-16	3.09'			

0941 Add ~ 8 oz water

0951 Add ~ 8 oz water

1001 Add ~ 8 oz water

1011 Stop log

1015 Finish at H-9

1021 At H-20

DTW = 2.10'

Transducer at 10'

1031 Start logging

1036 Add 8 oz water

1046 Add 8 oz water

1056 Add 8 oz water

1106 Stop log

Michael Goodman

Location Hayes, LA Date ~~10~~ 5-25-21
Project / Client Herring 0526033
Michael Goodman

1114 At H-18 for slug test
DTW: 1.88' btoC
Add pipe to lengthen casing.
DTW 3.91' btoC with pipe
Transducer at ~10 ft

1123 Start log

1131 Add ~8 oz water

1140 Add ~8 oz water

1151 Add ~8 oz water

1200 Finish logging

1210 Lunch

1230 Mob to west side of property

1240 At H-27

DTW: 5.41' btoC

Add stickup pipe

DTW, 7.44' btoC w pipe

Transducer at 15'

1310 Battery powering the laptop stopped working.
Drew is looking for the side by side's battery
to plug in the laptop.

1340 Battery not working. Drew went to truck to
get another inverter. Back at H-27,
the new inverter is working

1357 The head is still dropping. Herring + started logging
Michael Goodman

Location Hayes, LA Date 5-25-21
Project / Client Herring 0526033
Michael Goodman

1438 start logging

1441 Add 4 oz water

1626 Stop logging - Won't do additional
slugs. Packing up, calling it a day.
ICOW is finished at Herring

1640 Get slug test files on flash drive
from Drew.

1645 Pack up, off site

Drive to Houston - Home

5-25-2021

Michael Goodman

Location HAYES, LA

Date 8/16/2021

Project / Client HENNING - 0526033

SUNNY, 90°

KURT BOEHRINGER

1030 - ARRIVE ONSITE

MARLUS SMITH (ERM) ONSITE

ICON ONSITE - GEOFF MILLER, MASON
JEWELL, JAY WILPEPPER

1040 - TAILGATE SAFETY MEETING

JERRY FONTENOT ONSITE

1100 - ICON SURVEY PROPOSED DRILL LOCATIONS

1120 - UNABLE TO ACCESS ANY OF
THE PROPOSED LOCATIONS (TOO WET)ICON WILL STAY IN TOUCH WITH
THE FARMER AND POSSIBLY COME
BACK TOMORROW OR WEDNESDAY

1130 - ERM, ICON, J. FONTENOT OFFSITE

~~M. B.~~
KURT BOEHRINGER

Location

HAYES, LA

Date

8/17/2021

Project / Client

HENNING - 0526033

SUNNY, 90°

KURT BOEHRINGER

1005 - ARRIVE ONSITE

- JERRY FONTENOT ONSITE

1015 - ICON ONSITE - GEOFF M. + JAY C.

- ERM REVIEW HASP + TAILGATE MEETING

1040 - MOBE TO FIRST LOCATION, DROP

OFF GEOPROBE + MOBE CLOSE TO

HWY 14 AS NOT TO GET STUCK ON FARM
ROAD W/ PENDING RAIN

1100 - 1140 - RAIN DELAY

1140 - MOBE TO 1ST DRILL LOCATION

GEOPROBE - DUAL TUBE

2 1/4" TUBING 1 1/4" SAMPLER

1155 - BEGIN DRILLING

1230 - SAMPLE TO 25', LINER STUCK

IN TUBING, PULL ALL DUAL TUBING

TO EXTRACT THE STUCK LINER

1245 - DAVE ANGLE (ERM) ONSITE FOR

FIELD AUDIT / SITE VISIT

1320 - STOP DRILLING @ 50' TO START LOGGING

~~M. B.~~
KURT BOEHRINGER

Location HAYES, LA

Date 8/17/2021

Project / Client HENNING - 0526033

SUNNY, 90°

KURT BOEHRINGER

1330 - H-32 15 N 510597 3327476

RECOVERY	INTERVAL	DESCRIPTION
2.8'/4'	0-4'	0-1.5' SILTY CLAY, ^{DAMP} BROWN w/SOME IRON STAINING, MED. STIFF NO ODOR
NO PID	EL 0.72 0.46	1.5'-2.6' CLAY, DAMP, LIGHT BROWNISH GRAY w/IRON STAINING STIFF, NO ODOR DARK BROWN STAINING @ 1.4' + 1.4'
3.7'/4'	4-6'	SILTY CLAY, DAMP, LIGHT BROWNISH GRAY w/IRON STAINING THROUGHOUT MEDIUM STIFF, NO ODOR
NO PID	EL 0.93 1.39	8-12'
4'/4'	8-12'	SILTY CLAY, DAMP, LIGHT BROWNISH GRAY w/HEAVY IRON STAINING + SOME SMALL DARK GRAY STAINS THROUGHOUT, MED. STIFF, NO ODOR
NO PID	EL 1.52 2.70	
2.9'/2'	12-14'	0-1.5' SILTY CLAY SAME AS ABOVE 1.5'-2.0' WET, SILT, SOFT, BROWN 2.0'-2.9' SILTY CLAY, LIGHT BROWNISH GRAY w/SOME IRON STAINING, DAMP MED. STIFF, NO ODOR
NO PID	EL 2.48	
3.1'/2'	14-16'	CLAY, DAMP, GRAY w/SOME LIGHT BROWN MIXED IN, DARK GRAY STAINING, 1.0'-2.4', CALCIUM @ 1.6' + 2.9', STIFF, NO ODOR
NO PID	EL 2.31	

M. Rehm / KURT BOEHRINGER

Location HAYES, LA

Date 8/17/2021

Project / Client HENNING - 0526033

CLOUDY, 90°

KURT BOEHRINGER

1420 - H-32 CONTINUED

RECOVERY	INTERVAL	DESCRIPTION
2.5'/2'	16-18'	SILTY CLAY, DAMP, GRAY w/SOME BROWN + DARK GRAY STAINING, MED. STIFF, NO ODOR
NO PID	EL 1.54	
2.4'/2'	18-20'	SILTY CLAY, DAMP, GRAY 0-1.4' LIGHT BROWN 1.4'-2.4', MED. STIFF TO SOFT, NO ODOR
NO PID	EL 1.71	
3.4'/2'	20-22'	CLAYEY SILT, DAMP, WET 2.0'- 2.5', LIGHT BROWN, SOFT, NO ODOR
NO PID	EL 1.23	
3.6'/2'	22-24'	CLAYEY SILT, WET, LIGHT BROWN, SOFT, NO ODOR
NO PID	EL 0.64	
2'/2'	24-26'	SAME AS ABOVE, NO ODOR
NO PID	EL 0.67	
2'/2'	26-28'	SAME AS ABOVE, NO ODOR
NO PID	EL 0.61	
3.4'/2'	28-30'	0-3.0' SAME AS ABOVE 3.0'-3.4' CLAYEY SILT, MOIST, LIGHT BROWN, SOFT, NO ODOR
NO PID	EL 0.86	
3.7'/2'	30-32'	SILT, WET, LIGHT REDDISH BROWN, SOFT, NO ODOR
NO PID	EL 0.84	
2.9'/2'	32-34'	SAME AS ABOVE 0-1.4' 1.4'-2.9' CLAYEY SILT, MOIST, LIGHT REDDISH BROWN, SOFT, NO ODOR
NO PID	EL 1.00	

M. Rehm / KURT BOEHRINGER

Location HAYES, LA

Date 8/17/2021

Project / Client HENNING - 0526033

CLOUDY, 90°

KURT BOEHRINGER

1500 - H-32 CONTINUED

RECOVERY	INTERVAL	DESCRIPTION
2.3' / 2' NO PID	34-36' EL 0.91	SILT TO CLAYEY SILT, WET TO MOIST, LIGHT REDDISH BROWN SOFT, NO ODOR
3.6' / 2' NO PID	36-38' EL 0.95	CLAYEY SILT, WET TO MOIST, LIGHT REDDISH BROWN w/SOME LIGHT GRAY MIX 2.4-3.6', SOFT, NO ODOR
3.6' / 2' NO PID	38-40' EL 0.97	CLAYEY SILT, WET TO MOIST, LIGHT BROWNISH GRAY, SOFT, NO ODOR
3.5' / 2' NO PID	40-42' EL 0.95	SAME AS ABOVE, NO ODOR
3.5' / 2' NO PID	42-44' EL 1.04	0-2.0' SAME AS ABOVE, WET GRAY, DAMP, MED. STIFF TO STIFF, NO ODOR, 2.4-3.5' CLAYEY SAND (VERY FINE SAND), DAMP, GRAY, MED. STIFF, NO ODOR
2.9' / 2' NO PID	44-46' EL 1.53	0-0.6' SAND (FINE), WET, GRAY SOFT, NO ODOR, 0.6'-2.9' CLAYEY SILT TO SILTY CLAY, DAMP, MED. STIFF, TO STIFF, NO ODOR

K. Bohner / KURT BOEHRINGER

Location HAYES, LA

Date 8/17/2021

Project / Client HENNING - 0526033

SUNNY, 90°

KURT BOEHRINGER

1530 - H-32 CONTINUED

RECOVERY	INTERVAL	DESCRIPTION
2.8' / 2' NO PID	46-48' EL 1.67	0-0.8' SAND (FINE) WET, GRAY SOFT, NO ODOR, DIS-2.8' SILTY CLAY, DAMP, GRAY, MED. STIFF NO ODOR
3.1' / 2' NO PID	48-50' EL 1.60	0-0.4' SAND FROM ABOVE 0.4'-3.1' CLAY, DAMP, GRAY w/LITTLE DARK GRAY @ 2.0' MED STIFF, NO ODOR

SAMPLES FOR H-32

TIME	INTERVAL	ANALYSIS
1355	2-4	EC, % MOISTURE, 295 MEGALS. ^{LEC} _{SAP} _{ESP}
1400	4-6	↓ ↓ ↓ ↓
1410	8-10	↓ ↓ ↓ ↓
1415	10-12	↓ ↓ ↓ ↓
1435	18-20	EC, % MOISTURE, LECHATE CL.
1550	48-50	EC, % MOISTURE

1615 - 1CON BEGIN SETTING WELL @ H-32

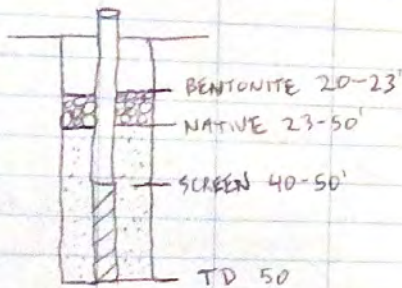
- 10' SCREEN w/FILTER SOCK w/ ELECTRICAL TAPE

K. Bohner
KURT BOEHRINGER

Kurt Bohner

Location HAYES, LA Date 8/17/2021
Project / Client HENNING - 0526033
SUNNY, 90° KURT BOEHRINGER

1630 - H-32B WELL 3/4" PVC



1640 - LEAVE BENTONITE TO HYDRATE OVER

1645 - ERM, ICON, J. FONTENOT OFFSITE

~~Kurt Boehring~~
KURT BOEHRINGER

Location HAYES, LA Date 8/18/2021
Project / Client HENNING - 0526033
CLOUDY, 80° KURT BOEHRINGER

0715 - ARRIVE ONSITE
HASP REVIEW

0725 - ICON ONSITE - JAY C. + GEOFF M.
JERRY FONTENOT ONSITE

0740 - MOVE TO H-32 LOCATION

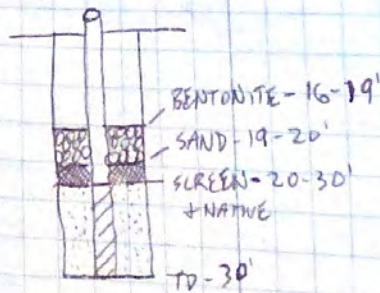
0750 - BEGIN PUSHING 2 1/4" RODS W/
EXPENDABLE TIP TO SET H-32A WELL

0800 - BEGIN SETTING H-32A WELL

3/4" WELL, 10' SCREEN W/FILTER
SOCK HELD UP W/ELECTRICAL TAPE

0825 - FINISH SETTING WELL

H-32A WELL 3/4" PVC



0830 - PREPARE TO RUN EC PROBE @ H-32

0932 - BEGIN PUSHING EC PROBE

~~Kurt Boehring~~
KURT BOEHRINGER

Location HAYES, LA Date 8/18/2021
Project / Client HENNING - 0526033
SUNNY, 85° KURT BOEHRINGER

- 0955 - FINISH EC PROBE TO 40' @ H-32
- 1010 - BEGIN PULLING EC PROBE RODS
- 1020 - FINISH PULLING EC PROBE RODS
- 1025 - BEGIN PUSHING 2 1/4" RODS w/ EXPENDABLE TIP TO TREME-GROUT EC PROBE HOLE
- 1028 - CHRIS MILLER (ICON) ONSITE
- 1100 - JAY CULPEPPER (LON) OFFSITE
- ICON BEGIN TREME-GROUT H-32 EC PROBE BOREHOLE (TREME PIPE TO ~63')
- GROUT TO SURFACE ~ 15 GAL
- 1128 - TREME GROUT H-32A WELL TO SURFACE ~ 3 GAL
- 1130 - TREME GROUT H-32B WELL TO SURFACE ~ 3 GAL
- 1140 - ICON DELON DRILL PIPE
- 1200 - 1250 LUNCH
- 1250 - LOAD UP EQUIPMENT TO MOBE TO THE NEXT LOCATION
- 1320 - UNLOAD/SETUP TO DRILL H-33
- 1345 - BEGIN DUAL TUBE DRILLING H-33

KURT BOEHRINGER

Location HAYES, LA Date 8/18/2021
Project / Client HENNING - 0526033
CLOUDY, 90° KURT BOEHRINGER

- 1510 - STOP DRILLING @ 44' DUE TO STUCK LINER, NO RECOVERY 24-32' DUE TO STUCK LINER & FLOW IN
 - 1515 - PREPARE TO LOG SOIL
 - 1519 - 1545 RAIN DELAY
 - 1550 - H-33 15 N 510601 3327161
- | RECOVERY | INTERVAL | DESCRIPTION |
|----------|----------|--|
| 32 3/4' | 0-4' | SILTY CLAY, DAMP, LIGHT NO PID EC 0.26 BROWNISH GRAY TO GRAY, 0.52 LITTLE IRON STAINING THROUGHOUT SMALL DARK GRAY STAIN @ 1.4', MED. STIFF, NO ODOR |
| 35 3/4' | 4-8' | SILTY CLAY, DAMP, GRAY W/ NO PID EC 0.99 IRON STAINING THROUGHOUT 2.01 DARK GRAY STAINING @ 3.0', MED. STIFF, NO ODOR |
| 4 1/4' | 8-12' | SILTY CLAY, DAMP, GRAY W/ NO PID EC 1.62 HEAVY IRON STAINING + SMALL DARK GRAY STAINS THROUGHOUT, CALCIUM 2.4-4.0', STIFF TO VERY STIFF, NO ODOR |
| 4 1/4' | 12-16' | CLAY TO ^{KMS} SILTY CLAY DAMP, LIGHT NO PID EC 2.17 GRAY W/ IRON STAINING, CALCIUM 2.21 + SOME DARK GRAY STAINS THROUGHOUT STIFF, NO ODOR |

KURT BOEHRINGER

Location HAYES, LA Date 8/18/2021

Project / Client HENNING - 0526033 KURT BOEHRINGER

CLOUDY, 85°

1605 - H-33 CONTINUED

REL	INTER	DESCRIPTION
4' / 4'	16-20'	CLAY, DAMP, GRAY W/ SOME IRON STAINING THROUGHOUT
NO PID	EL 2.61 1.59	STIFF, NO ODOR
4' / 4'	20-24'	SILTY CLAY TO CLAYEN SILT, DAMP, LIGHT BROWNISH GRAY
NO PID	EL 1.20 1.74	TO LIGHT REDDISH BROWN, MED. STIFF, NO ODOR
NO RECOVERY	24-32'	STUCK LINER & FLOW IN
4' / 2'	32-34'	SILTY CLAY, MOIST, LIGHT BROWN, MED. STIFF, NO ODOR
NO PID	EL 1.33 1.26 ^{KMB}	
3.7' / 2'	34-36'	SILTY CLAY, DAMP, LIGHT BROWN TO LIGHT BROWNISH GRAY, MED. STIFF, NO ODOR
NO PID	EL 1.46	
3.7' / 2'	36-38'	CLAY, DAMP, LIGHT BROWNISH GRAY, SOME CALCIUM, STIFF, NO ODOR
NO PID	EL 2.33	
3.9' / 2'	38-40'	SAME AS ABOVE, NO ODOR
NO PID	EL 2.53	

1630 - FINISH LOGGING, PACK EQUIP, LEAVE DRILL PIPE @ 44' FOR THE NIGHT, SPLIT SAMPLES IN MORNING
1640 - OFFSITE *Kurt Boehringer*

Location HAYES, LA Date 8/19/2021

Project / Client HENNING - 0526033 KURT BOEHRINGER

CLOUDY 80°

- 0725 - ARRIVE ONSITE
REVIEW HASP/TAILORE MEETING
- 0735 - JERRY FONTENOT ONSITE
ILON ONSITE - GEOFF M. & CHRIS M.
- 0800 - PREPARE TO RUN EC PROBE @ H-33
- 0811 - BEGIN PUSHING EC PROBE
- 0830 - JAY CULPEPPER (ILON) ONSITE
- 0835 - FINISH EC PROBE TO 52' @ H-33
H-33 SAMPLES * 8/18/21 COLLECTION DATE

TIME	INTERVAL	ANALYSIS
1535	2-4'	EL, % Moist, CEC/ESP/SAR, 29B MEMES
1545	6-8'	↓ ↓ ↓ ↓
1550	8-10'	↓ ↓ ↓ ↓
1555	10-12'	↓ ↓ ↓ ↓
1610	16-18'	↓ ↓ + LECHATE CL.

0900 - PULL EC PROBE, SPLIT H-33 SAMPLES
PREPARE TO SET H-33 WELL

0945 - HOLLY MIDKIFF ONSITE (ERM)

Kurt Boehringer
KURT BOEHRINGER

Location Hennepin Management Date 8/17/21Project / Client Calcasieu Parish, LA

0526033

1255 I arrive at Hennepin property,
I can is drilling borehole,
Geoff Miller helps with geophone
rig. Kurt Boehinger (XEM)
is conducting oversight.

1308 ① #1 of I can drilling H-32,
~~but~~ Geoff said targeting 60'.
Using 2 1/4" OD barrels

① #2 of rice field to SW of
I can drilling location, looking W.

① #3 of pond to east of location
looking east

① #4 of road intersection by
location looking north

1315 ① #5 of rice field to north
of location looking north.

Jerry Fontenot is here on behalf
of Hawkins.

1325 I can down to 50' in H-32,
Proposed Geoff said targeting 80-90
depth at location by pond.
Talked about casing to 60'
but said it will be a couple
months, too wet now.
Dan to the 8/17/21

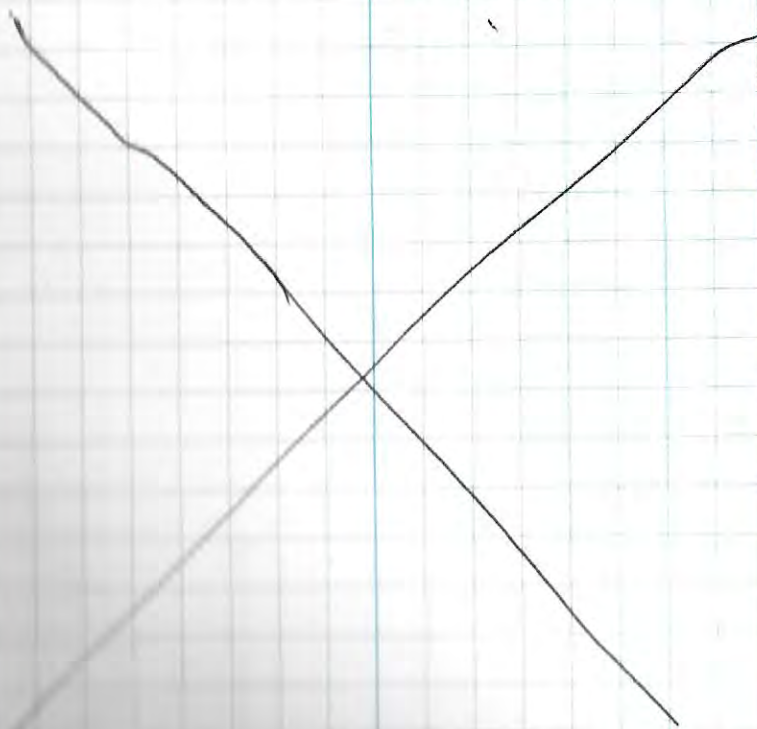
Location Hennepin Management Date 8/17/21Project / Client Calcasieu Parish, LA

0526033

1328 ① #6 of soil cores from H-32
looking SE. I can getting
ready to log.

1355 ① #7 of entrance road to
H-32 location in distance
looking east.

1400 Leaving site.



Dan S. Gyle 8/17/21
Note on the Rain

Location Hayes, CA Date 8/19/21

Project / Client Henniny - 0526033

consultant oversight

845	Holly Midkiff ERM onsite	} ICON
	Kurt Boehringer ERM onsite	
	J. Fontenot onsite - Hawkins	
	Geoff Miller	
	Chase	
	Jay Culpepper	
	Chris Miller	

900 ICON continues setting well H-33, screen 20-30'
 => see notes from KMB

1225 KMB affsite

1305 ICON prep to continue grouting

1310 begin to grout EC boring

1400 ~~grout~~ the ICON picking up H-33 area

1410 mob to decide on H-34 location

1415 location decided based on farmer's activity of machinery

1430 begin drilling H-34 T

HKM *[Signature]* 8/19/21

Location Hayes, LA Date 8/19/21

Project / Client Henning - 0526033
consultant, oversight

H-34

Interval	Recovery	Description
0-4'	2.4/4 EC 0.17 0.49	clayey silt, dry, stiff, brown, stiff clay from 1.6 - 2.4, SAA
4-8'	3.3/4 EC 1.38 1.11	clay, slightly stiff brown/orange and grey, low moist, 2.2-3.3 silty clay SAA
8-12'	4/4 EC 0.78 2.20	0-1.2 silty sand, orange brown, slight moisture, slight stiff 1.2-1.7 silty clay, stiff, low moist, 1.7-2.2 clay, grey, calcium nodules 2.2-3.3 silty clay, soft, slight damp 3.3-4 clay, stiff, low moist

SPR 8/19/21

Rite in the Rain

Location

Hayes, LA.

Date

8/19/21

Project / Client

Henning - 05216033

consultant oversight

Interval	Recovery	Desc.
12-16	4/4 EC 2.33 2.02	clay, stiff, low moist, orange / brown and grey,
16-18	3.2/4 ⁴ EC 2.16	0-0.7 clay, stiff, orange/brown, low moist 0.7-3.2 grey, SAA
18-20	2.3/2 EC 1.04 ▽	0-0.6 silty clay, slight stiff, grey, low moist 0.6-1.1 silt, saturated soft, grey/orange 1.1-1.6 clayey silt, slight soft 1.6-2.3 clay, stiff, orange/grey low moisture

M 8/19/21

Location

Hayes, LA

Date

8/19/21

11

Project / Client

Henning - 0526033
consultant oversight

Interval	Recovery	Description
20-22	2.6/2 EC 0.97	0-0.8 clay, slight stiff, grey, moist ▽ 0.8-1.8 clayey silt, saturated, grey, very soft 1.8-2.7 silty clay slightly soft, grey, moist
22-24	3.2/2 EC 1.70	clay, stiff, red orange w/ some grey, slight moist, Ca modules at 1.3' and 2.1'
24-26	3/2 EC 0.99	0-0.3 SAA 0.3-1 silty clay, slight stiff, orange brown, moist ▽ 1-1.6 saturated, silt, soft, orange brown 1-3 clayey silt, damp orange brown, soft

SR 8/19/21

Rite in the Rain

Location Hayes, LA Date 8/19/21Project / Client Henning - 0526033
consultant oversight

Interval	Recovery	Description
26-28	2.7/2	0-0.6 silt, saturated
▽	EC 1.64	red brown, soft 0.6 - 2.7 clay, stiff slight moist, red brown silt lense at 1.7
28-30	4/2	0-1.7 SAA
	EC 2.01	1.7-4 clayey silt, soft to slightly soft, grey, low moist.

1545 decide to set screen 18-28'

H-34 coordinates

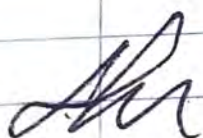
N 30° 04' 22.1"

W 92° 53' 24.1"

⇒ UTM coordinates:

0510597

3326857



8/19/21

Location Hayles, CA

Date 8/19/2021¹³

Project / Client Henning - 0526033
consultant oversight

H-34 samples

H-34 (2-4) @ 1445 * no split
| (4-6) @ 1450
| (6-8) @ 1455
| (10-12) @ 1505
| (16-18) @ 1520
V (28-30) @ 1550

⇒ Salts, metals, EC, % moist,
leachate

H-34 well details:
19 native
17 sand
14 bentonite

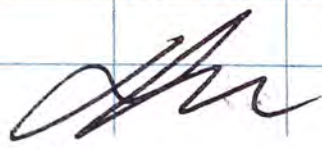
1600 ICON says grout next day

1615 ERM offsite

[Signature] 8/19/21

Location Hayes, CADate 8/20/21Project / Client Henning - 0526033consultant oversight

- 720 H. Midkiff - ERM onsite
- 730 Jerry Fontenot - Hawkins onsite
- Jay Culpepper - ICON onsite
- 745 Geoff Miller - ICON onsite
- 755 Chris Miller - ICON onsite
- 815 ICON preparing EC probe
for location H-34
- 820 Property owner informs
ICON H-34 well location not
suitable for his farm equipment
⇒ ICON plans to P & A H-34
after GW sample collected
- 830 begin pushing EC probe
- 844 end EC
TD - 56'
highest reading
203 @ 52'
- 950 begin grouting EC hole
12-13 gal grout


 8/20/21

Hayes, LA

Date 8/20/21 15

Client Henning - 0526033
consultant oversight

945 ICON says they will not
grout well H-34

→ ~~petle~~

H-34 well details

native 19

S 17

bent. pel. 14

*no grout

screen 18-28

955 J. Fontenot offsite

1005 ICON packing / loading
trailers

H. Midkiff ERM offsite

~~APR 8/20/21~~

APR 8/20/21

consultant oversight

1015 H. Midkiff - ERM onsite
 Geoff Miller ICON onsite
 J. Fontenot - Hawkins onsite
 Mason Jewell ICON onsite
 Jay Culpepper ICON onsite

1020 set up to pump H-34
 ERM - calibrate ultrameter
 ⇒ ICON Mason/Jay conducting
 well completions

H-34 DTW - 2.97 TD - 29.85

1026 pump on SU - 0.75

time	pH	ORP	TDS	Cond	T	H
1027	8.20	20	1216ppm	1693u	26.8	0
1031	7.58	30	1189	1649	23.8	.5
1034	7.63	31	1190	1649	23.8	1
1036	pulls tubing up 8' from bottom					
1037	7.69	23	1189	1652	23.8	1.5
1039	Turb - 70.5 NTU					
1040	7.76	21	1186	1648	24.4	2
	Turb - 23.8 NTU					
1044	7.81	20	1184	1645	24.0	2.5
	Turb - 11.8 NTU					

H. Midkiff *[Signature]* 8/23/21

Location Hayes, CA

Date 8/23/21 17

Project / Client Henning - 0526033

consultant oversight

H-34 cont.

time	pH	ORP	TDS	Cond	T	✓
1047	7.72	5	1189	1651	24.2	3

Turb - 7.01 NTU

1048 pump off

1055 Sample H-34

1115 mob to H-32 A/B

H-32 A

DTW - 2.70

* TD - 19.52 *

flush mount, ~~screen 2~~

~~fine~~

* screen - 20-30' *

readings on next page



8/23/21

H-32A

time	#	pH	ORP	TDS	Cond	T
1136						
1136	0	8.14	-123	999.6ppm	1412u	25.9
1139	.5	8.11	-119	1001	1409	24.1
1143	1	8.14	98 ¹⁴⁷	1011	1419	24.7
1147	1.5	8.12	-125	1012	1418	24.0

Turb - 23.7 NTU

1151	2	8.07	-110	1006	1412	23.9
------	---	------	------	------	------	------

Turb - 8.94

1156	2.5	8.00	-103	1004	1412	24.1
------	-----	------	------	------	------	------

1200 Sample H-32A

Turb - 11.1 NTU


1225 break for lunch

1310 gauge H-32B

DTW - 2.70

TD - 49.34

flush mount

 8/23/21

Hayes, LA

Date 8/23/21 19

Client Henning - 0526033
consultant oversight

H-32B

Time pH ORP TDS cond T

1311 pump on

1312 8.64 -68 691.4 ppm 992.7u 26.9 0

1314 8.20 -164 916.2 1294 25.2 .5

1318 8.16 -125 1093 1529 24.6 1

1322 7.81 -145 1231 1706 24.7 1.8

Turb - 11.2 NTU

1327 7.68 -139 1245 1723 24.4 2

Turb 4.53 NTU

1335 7.83 -62 1278 1768 25.1 3

Turb - 2.12

1345 7.87 -31 1281 1771 25.1 4

Turb - ~~3~~ 3.82

1350 Sample H-32B

1420 mob to H-33

1424 gauge H-33

~~400~~

8/23/21

Location Hayes, LADate 8/23/21Project / Client Henning - 0526033
consultant oversightH-33

DTW - 2.30

TD - 29.90

flush mount

time	#	pH	ORP	TDS	Cond	T
------	---	----	-----	-----	------	---

1431 pump on

1431 0 8.21 -152 1775ppm 2398u 25.5

1434 .5 8.05 -82 1786 2404 25.5

1438 1 8.14 -11 1784 2405 24.2

Turb 25.4 NTU

1443 1.5 7.75 -61 1793 2409 24.6

Turb 11.7 NTU

1448 2 7.91 -6 1787 2400 24.3

Turb 14.5 NTU

1450 sample H-33

1520 Geoff Muller ICON offsite

J. Fontenot Hawkins offsite

H. Midkiff ERM offsite

*pictures taken of

H-34 P&A



8/23/21



Chain of Custody

Laboratory Number:

Client Information:
 Company Name: ERM
 Contact Name: Shawn Wilgins
 Address: 340 W Sam Houston Pkwy N Suite 600 Houston, Texas 77024
 City, State Zip: Houston, Texas 77024
 Phone Number: 971-303-2385 Ext: _____
 Fax Number: _____
 E-mail Address: Shawn.Wilgins@ERM.com

Billing Information:
 Billing Information: same
 PO Number: _____
 Quote Number: _____
 Required QC Level: _____
 Bill Monthly: Yes No

Project Name/Number: HEAVY METALS INVESTIGATION OSZ 0033
Matrix Code: DW = Drinking Water
VW = Waste Water
GW = Ground Water
AQ = Aqueous
OT = Other
SL = Sludge SOL = Solid
O = Oil SO = Soil
F = Food SW = Swab
NG = Natural Gas
NGL = Natural Gas Liquid
PW = Produced Water
CF = Completion Fluid

Sampler's Signature: [Signature]
Shipping Method: UPS / FedEx / Airborne
DHL / Element / Hand / Mail

Page 1 of 4

Sample ID/Description	Which Regulations Apply:			Turn Time Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	Collection Information			Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type F=Plastic, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₄	Requested Tests	Comments		
	Relinquished by		Date/Time		Received by		Date/Time							
	Date	Time	Date		Time	Date	Time						Date	Time
H-22W 0-2'			11/11/21	0855	Grab / Composite	SO	1	P	X	X	X	X = ANALYSIS REQUESTED O = HOLD FOR POSSIBLE FURTHER ANALYSIS RESULTS		
H-22E 0-2'				0910					X	X	X			
H-22S 0-2'				0915					X	X	X			
H-22N 0-2'				0925					X	X	X			
H-22E 0-2'				0935					X	X	X			
H-8E 0-2'				1100					X	X	X			
H-8W 0-2'				1110					X	X	X			
H-8S 0-2'				1135					X	X	X			
				1140					X	X	X			

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<u>[Signature]</u>	11/12/21 1155	<u>[Signature]</u>	11/12/21 1155	
<u>[Signature]</u>	11/12/21 1375	<u>[Signature]</u>	11/12/21 1345	Received at lab on ice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temp: _____

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

9301 Innovation Drive, Suite 115
 Daleville, IN 47334-0568 USA
 P 765-378-4103
 F 765-378-4109

629 Washington St. Suite 300
 Columbus, IN 47201-6231 USA
 P 812-375-0531
 F 812-375-0731

2121 East Washington Boulevard
 Fort Wayne, IN 46803-1328 USA
 P 260-471-7000
 F 260-471-7777

560 South Zimmer Road
 Warsaw, IN 46580-2368 USA
 P 574-267-3305
 F 574-269-6569

3371 Cleveland Road, Suite 100A
 South Bend, IN 46628-9780 USA
 P 574-277-0707
 F 574-273-5699

2417 W. Pinhook Rd
 Lafayette, LA 70508-3344 USA
 P 337-235-0483
 F 337-233-6540



Chain of Custody

Laboratory Number:

Page 2 of 4
Matrix Code

Client Information: **Billing Information:** *Stone*

Company Name: *ERM*

Contact Name: *Shawn Wilgins*

Address: *840 W. Simon Houston Parkway
Suite 600
Houston, TX 77024*

City, State Zip: *Houston, TX 77024*

Phone Number: *971-303-2385* Ext:

Fax Number:

E-mail Address: *Shawn.Wilgins@ERM.com*

Project Name/Number: *Hennings Investigations 0520033*

Quote Number:

Required QC Level:

Sampler's Signature: *[Signature]*

Shipping Method: *UPS / FedEx / Airborne*
DHL / Element / Hand / Mail

DW = Drinking Water
WW = Waste Water
GW = Ground Water
AQ = Aqueous
OT = Other
SL = Sludge
O = Oil
F = Food
NG = Natural Gas
NGL = Natural Gas Liquid
PW = Produced Water
CF = Completion Fluid

Which Regulations Apply:
 RCRA
 POTW
 NPDES
 USDA/FDA
 RECAP/PRSC

Turn Time
 Standard
 RUSH
 1 Day
 2 Day
 Other

(Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Collection Information		Container Type G=Glass, V=Vial P=Plastic	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests			Comments	
	Date	Time			Quantity	% Weights	SRP Lead		SRP Strontium
H-8N 0-2'	11/11/21	1150	Grab	SO	X	X	X	<i>X - Analysis Results O - Hold for Pending Analysis Results</i>	
H-16N 0-2'		1310			X	X	X		
H-16W 0-2'		1325			X	X	X		
H-16E 0-2'		1340			X	X	X		
H-16S 0-2'		1350			X	X	X		
H-24S 0-2'		1445			X	X	X		
H-28W 0-2'		1510			X	X	X		
H-28S 0-2'		1540			X	X	X		
H-28S 0-2'		1615			X	X	X		

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>[Signature]</i>	11/12/21 1155	<i>[Signature]</i>	11/12/21 1155	
<i>[Signature]</i>	11/12/21 1345	<i>[Signature]</i>	11/12/21 1345	Received at lab on ice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temp:

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P 812-375-0531
F 812-375-0731

2121 East Washington Boulevard
Fort Wayne, IN 46803-1328 USA
P 260-471-7000
F 260-471-7777

560 South Zimmer Road
Warsaw, IN 46580-2368 USA
P 574-267-3305
F 574-269-6569

3371 Cleveland Road, Suite 100A
South Bend, IN 46628-9780 USA
P 574-277-0707
F 574-273-5699

2417 W. Pinhook Rd
Lafayette, LA 70508-3344 USA
P 337-235-0483
F 337-233-6540



Chain of Custody

Laboratory Number:

Company Name: **ERAM** Project Name/Number: **Houston Management 0526033** Page **3** of **4**

Contact Name: **Sharon Williams** Quote Number: Matrix Code

Address: **6201 Sam Houston Blvd N Suite 600 Houston TX 77024** Required QC Level: DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 OT = Other
 SL = Sludge
 SOL = Solid
 O = Oil
 SO = Soil
 F = Food
 SW = Swab
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

City, State Zip: **Houston TX 77024** Bill Monthly: Yes No Shipping Method: **UPS / FedEx / Airborne**

Phone Number: **971-303-2385** Ext: Sampler's Signature: *Sharon Williams*

Fax Number: Ext: Shipping Method: **DHL / Element / Hand / Mail**

E-mail Address: **Sharon.Williams@ERAM.com**

Sample ID/Description	Which Regulations Apply:		Turn Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Quantity	Container Type F=Plastic, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests			Comments	
	Relinquished by				Received by					Date/Time				Field Notes:
	Date	Time			Grab / Composite	Matrix				Date	Time	Date/Time		
H-28E 0-2'	11/11/21	1640	Grab	SO	1	P	X	X	X	X	X	X	X = Analyze O = Hold	
H-28N 0-2'	11/12/21	0755	Grab	SO	1	P	X	X	X	X	X	X		
H-28AN 0-2'	11/12/21	0815	Grab	SO	1	P	X	X	X	X	X	X		
H-28E 0-2'	11/12/21	0850	Grab	SO	1	P	X	X	X	X	X	X		
H-28W 0-2'	11/12/21	0900	Grab	SO	1	P	X	X	X	X	X	X		
H-28R 0-2'	11/12/21	0910	Grab	SO	1	P	X	X	X	X	X	X		
H-4R 0-2'	11/12/21	1030	Grab	SO	1	P	X	X	X	X	X	X		
H-4N 0-2'	11/12/21	1040	Grab	SO	1	P	X	X	X	X	X	X		
H-4E 0-2'	11/12/21	1050	Grab	SO	1	P	X	X	X	X	X	X		

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>Sharon Williams</i>	11/12/21 1155	<i>Anna David</i>	11/12/21 1155	Received at lab on ice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temp:
	11/12/21 1345		11/12/21 1345	

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

9301 Innovation Drive, Suite 115 629 Washington St, Suite 300 2121 East Washington Boulevard 560 South Zimmer Road 3371 Cleveland Road, Suite 100A 2417 W. Pinhook Rd
 Daleville, IN Columbus, IN Fort Wayne, IN Warsaw, IN South Bend, IN Latayette, LA
 47334-0569 USA 47201-6231 USA 46803-1328 USA 46580-2368 USA 46628-9780 USA 70508-3344 USA
 P 765-378-4103 P 812-375-0531 P 260-471-7000 P 574-267-3305 P 574-217-0707 P 337-235-0483
 F 765-378-4109 F 812-375-0731 F 260-471-7777 F 574-269-6569 F 574-273-3599 F 337-233-6540



Chain of Custody

Laboratory Number:

Client Information:

Company Name: Edm

Contact Name: Sharon Wilkins

Address: 629 Washington St, Suite 300
Columbus, IN 47201-6231 USA

City, State Zip: Houston, TX 77024

Phone Number: 971-303-2385

Fax Number: Ext:

E-mail Address: Sharon.Wilkins@Edm.com

Billing Information:

PO Number: Same

Quote Number:

Required QC Level:

Bill Monthly: Yes No

Shipping Method: UPS / FedEx / Airborne
DHL / Element / Hand / Mail

Project Name/Number: Hazardous Waste

Matrix Code: A

DW = Drinking Water
WW = Waste Water
GW = Ground Water
AQ = Aqueous
OT = Other
SL = Sludge
O = Oil
F = Food
NG = Natural Gas
NGL = Natural Gas Liquid
PW = Produced Water
CF = Completion Fluid

Which Regulations Apply:

RCRA Drinking Water
 POTW Distribution
 NPDES Special
 USDA/FDA State
 RECAP/RIIS Other

Turn Time: Standard RUSH
 1 Day 2 Day Other

(Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Collection Information			Quantity	Container Type P=Plastic, V=Vial	Pres. NaOH, Na2S2O3, HCl, HNO3, H2SO4	Requested Tests	Comments
	Date	Time	Grab / Composite					
H-AS 0-2'	11/12/21	1050	GRAB	SO	P	none	X % moisture X Barium	X = Analyze O = Hold
H-AW 0-2'	11/12/21	1120			P		X % moisture X Barium	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes
<u>[Signature]</u>	11/12/21 1155	<u>[Signature]</u>	11/12/21 1158	
<u>[Signature]</u>	11/12/21 1325	<u>[Signature]</u>	11/12/21 1345	Received at lab on ice?
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temp: <u></u>

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

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P 574-277-0707
F 574-273-5699

2417 W. Pinhook Rd
Lafayette, LA 70508-3344 USA
P 337-235-0483
F 337-233-6540



Chain of Custody

Laboratory Number:

Page 1 of 4

Client Information:
 Company Name: *ERM*
 Contact Name: *Shawn Wiggins*
 Address:
 City, State Zip:
 Phone Number:
 Fax Number:
 E-mail Address:

Billing Information:
 PO Number: *0526033*
 Quote Number:
 Required QC Level:
 Bill Monthly: Yes No
 Ext:

Project Name/Number: *Hering Management*

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 OT = Other
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sampler's Signature: *Cory Y...*

Shipping Method:
 UPS / FedEx / NOW
 DHL / Element / Hand / Mail

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	Collection Information		Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type P=Plastic, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests						Comments				
			Date					Quantity	SPLP Barium	SPLP Mercury	SPLP Lead	ESP	SAR		FC	SPLP Chloride	Barium	Soluble Chloride
			Date	Time														
H-16R (0-2')			11/15/21	1655	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-16R (14-16')			11/15/21	1705	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-16R (50-50.5')			11/15/21	1710	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-12R (0-1')			11/17/21	740	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-12R (1-2')			11/17/21	745	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-12R (2-3')			11/17/21	750	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-12R (76-78')			11/17/21	1250	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-21R (0-1')			11/17/21	1605	G	P	N/A	X	X	X	X	X	X	X	X	X	X	
H-21R (1-2')			11/17/21	1610	G	P	N/A	X	X	X	X	X	X	X	X	X	X	

Relinquished by	Date/Time	Received by	Date/Time
<i>Cory Y...</i>	<i>11/19/21 1345</i>	<i>[Signature]</i>	<i>11/19/21 1345</i>

Field Notes:
 Received at lab on ice? Yes No Temp: *11/19/21*

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 F 574-273-5699

2417 W. Pinhook Rd
 Lafayette, LA 70508 USA
 P 337-235-0483
 F 337-233-6540



Chain of Custody

Laboratory Number:

element™

Company Name: **ERM**
 Contact Name: **Shawn Wiggins**
 Address:
 City, State Zip:
 Phone Number:
 Fax Number:
 E-mail Address:

Client Information:
 Billing Information:
 PO Number: **0526033**
 Quote Number:
 Required QC Level:
 Ext:
 Ext:

Project Name/Number: **Heming Management**
 Sampler's Signature: *Coyle*
 Shipping Method: **UPS / FedEx / NOW**
DHL / Element / Hand / Mail

Page **2** of **4**
Matrix Code
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 OT = Other
 SL = Sludge
 SO = Solid
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sample ID/Description	Which Regulations Apply:		Turn Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Container Type P=Plastic, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests			Comments			
	RCRA <input type="checkbox"/> Drinking Water <input type="checkbox"/> Distribution <input type="checkbox"/> Special <input type="checkbox"/> State <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC				Date	Time			Grab / Composite	Matrix	Quantity		EC	SAR	Chlord
	Sample ID/Description														
H-ZIR (2-3')	<input type="checkbox"/> RCRA	<input checked="" type="checkbox"/> Drinking Water	11/17/21	1615	6	SO	P	N/A	X	X	X				
H-ZIR (10-12')	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution	11/17/21	1620	6	SO	P	N/A	X	X	X				
H-ZIR (22-24')	<input type="checkbox"/> NPDES	<input type="checkbox"/> Special	11/17/21	1700	6	SO	P	N/A	X	X	X				
H-ZIW (8-10')	<input type="checkbox"/> USDA/FDA	<input type="checkbox"/> State	11/18/21	830	6	SO	P	N/A	X	X	X				
H-ZIW (6-8')	<input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Other	11/18/21	835	6	SO	P	N/A	X	X	X				
MW-6 (0-2')			11/18/21	840	6	SO	P	N/A	X	X	X				
MW-6 (4-6')			11/18/21	950	6	SO	P	N/A	X	X	X				
MW-6 (8-10')			11/18/21	955	6	SO	P	N/A	X	X	X				
MW-6 (8-10')			11/18/21	1000	6	SO	P	N/A	X	X	X				

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>Coyle</i>	11/19/21 1345	<i>Shawn Wiggins</i>	11/19/21 1345	Received at lab on ice? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp:

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 P 337-233-0483 F 337-233-6540



Chain of Custody

Laboratory Number:

element™

Page 3 of 4

Client Information:
 Company Name: ERM
 Contact Name: Shawn Wiggins
 Address: _____
 City, State Zip: _____
 Phone Number: _____
 Fax Number: _____
 E-mail Address: _____

Billing Information:
 PO Number: 0526033
 Quote Number: _____
 Required QC Level: _____
 Bill Monthly: Yes No
 Ext: _____

Project Name/Number: Henning Management
Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 OT = Other
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sampler's Signature: Cory M
Shipping Method:
 UPS / FedEx / Airborne
 DHL / Element / Hand / Mail

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	Collection Information		Rush turn times (Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests				Comments			
			Date					Quantity	ESP	SAR	SFP Chloride		SFP Mercury	SFP Barium	Soluble Chloride
			Date	Time											
MW-6(38-40')			11/18/21	1125	6	P	N/A	1	X	X	X	X			
MW-6(30-32')			11/18/21	1130	6	P	N/A	1	X	X	X	X			
MW-6(18-20')			11/18/21	1135	6	P	N/A	1	X	X	X	X			
H-15N(0-2')			11/18/21	1510	6	P	N/A	1	X	X	X	X		H=HOLD	
H-15W(0-2')			11/18/21	1540	6	P	N/A	1	X	X	X	X			
H-15R(0-2')			11/18/21	1610	6	P	N/A	1	X	X	X	X			
H-15E(0-2')			11/19/21	545	6	P	N/A	1	X	X	X	X			
H-15S(0-2')			11/19/21	550 ^{off}	6	P	N/A	1	X	X	X	X			
				5905											

Relinquished by: Cory M **Date/Time:** 11/19/21 1345

Received by: [Signature] **Date/Time:** 11/19/21 1345

Field Notes:
 Received at lab on ice? Yes No Temp: _____

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 F 337-233-6540



Chain of Custody

Laboratory Number:

Client Information: **ERM** PO Number: **0526033** Project Name/Number: **Henning Management** Page **4** of **4**

Contact Name: **Shawn Wiggins** Quote Number: Sampler's Signature: *Shawn Wiggins* Matrix Code: **4**

Address: Ext: Bill Monthly: Yes No

City, State Zip: Ext: Shipping Method: **UPS / FedEx / NOW**

Phone Number: Ext: Yes No

Fax Number: Ext: Yes No

E-mail Address: DHL / Element / Hand X Mail

Matrix Code Legend:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 OT = Other
 SL = Sludge
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 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
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Sample ID/Description	Turn Time		(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type P=Plastic, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests		Comments
	Standard	Matrix				Quantity	Barium	
	<input checked="" type="checkbox"/> RUSH	Grab / Composite						
H-115(0-2')	<input checked="" type="checkbox"/> Standard	SO	6	P	N/A	X	X	
H-116(0-2')	<input checked="" type="checkbox"/> RUSH	SO	6	P	N/A	X	X	
H-118(0-2')	<input type="checkbox"/> 1 Day	SO	6	P	N/A	X	X	
H-119(0-2')	<input type="checkbox"/> 2 Day	SO	6	P	N/A	X	X	
H-120(0-2')	<input type="checkbox"/> Other	SO	6	P	N/A	X	X	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>Shawn Wiggins</i>	11/19/21 1345	<i>Shawn Wiggins</i>	11/19/21 1345	Received at lab on ice?
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temp:

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82

Location HAYES
~~BAR CITY, LA~~Date 11/8/21Project/Client HENNING MANAGEMENT 0526033STAN WILGINS

0800 ARRIVE ON SITE

0825 COMPLETE SAFETY MEETING/FORMS

- PREP TO MARK BORING LOCATIONS

0940 BEGIN MARKING BORING LOCATIONS

- UNLESS NOTED BORING LOCATIONS
PLACED BASED ON PROPOSED LOCATION
COORDINATES USING GEOTECH TRIMBLE
UNIT

0855 MW-11: 3327862.11, 508381.55

- PHOTO (1) MW-11 LOCATION, FACING NW

0938 - PHOTOS (2, 3) OF H-4R AREA
FACING E & ESE

0940 - H-4 AREA MARKED, H-4S

MOVED SOUTH DUE TO PIPELINE

- H-4S: 3328134.54, 509755.07

1030 MARKING LOCATIONS AROUND BLOWOUT
H-12R MOVED ADJACENT TO EXISTING
H-12 WELL

- H-12R: 3328259.08, 507776.70

1035 HEAD TO MEET PIPELINE REP,

HAVE MARKED H-12R, MW-5, AND H-11 AREA

1050 MICHAEL HANKS W/ BOARDWALK/
TEXAS GAS, MARKED LOCATIONS
W H-4 AREA ARE GOOD

HAYES

Location BAR CITY, LADate 11/8/21

83

Project/Client HENNING MANAGEMENT 0526033STAN WILGINS

1100 MARKED MW-11 LOCATION

ALSO GOOD FOR MICHAEL HANKS

- CAN CALL IF WE NEED TO
MOVE, 337-358-0375

- HEAD BACK TO BLOWOUT AREA

1150 NORTH OF 1000 H-7 LOCATION

TO INVESTIGATE APPARENT
DIFFERENT VEGETATION IN AREAS- AREA IS LOW, HAS STANDING
WATER, AND HEAVILY VEGETATED
W/ CATTAILS1155 PHOTOS (4, 5, 6, 7) FROM CORNER
OF FEATURE FACING SOUTH, EAST,
NORTH, AND WEST- JAKE ROBERTSON (ERM) ON SITE,
WAITING AT MY TRUCK

- PHOTO LOCATION: 3328313.26, 50887.99

1220, MARKED H-21R, BUT CANNOT
ACCESS H-21W DUE TO THICK
VEGETATION- MARKING MW-6 SLIGHTLY
EAST OF PROPOSED LOCATION
MW-6: 3328260.87, 508130.97

Rite in the Rain

Location ~~Bell Creek~~, LA Date 11/8/21
 Project / Client HEAVENLY MANAGEMENT 0526033
 SHAWN WILGINS

- 1240 CONDUCT SAFETY MEETING w/ JAKE
 1255 ED GRAHAM (EM) ON SITE
 w/ UTV
 1305 SAFETY MEETING CONDUCTED
 w/ ED, HEADING TO
 LOOK AT BLOW OUT AREA
 1330 ED OFF SITE
 CONTINUE MARKING LOCATIONS
 1350 MARKED MW-4
 1410 MARKED MW-3
 - DIFFICULT ACCESS, MOVED TO:
 3328314.60, S07709.42
 1425 MARKED MW-2, MOVED DUE TO
 ACCESS
 - 3328141.01, S07705.09
 1438 MARKED MW-1
 1500 UTV IS STUCK IN THE MUD
 WHILE TRAVELLING TOWARDS
 MW-9.
 1640 UNABLE TO GET UTV OUT.
 JAKE'S TRUCK IS STUCK
 ALSO
 1730 STILL STUCK. LEAVE SITE

Shawn Wilgins

Location ~~Bell Creek~~, LA Date 11/9/21
 Project / Client HEAVENLY MANAGEMENT 0526033
 SHAWN WILGINS

- 0710 ARRIVE ON SITE w/ JAKE ROBERTSON
 - CONDUCT SAFETY MEETING
 0740 CONTINUE MARKING LOCATIONS
 0840 H-22 AREA MARKED
 0905 H-8E MOVED SLIGHTLY SOUTH
 H-8E: 3328158.71, S08118.87
 0915 H-8 LOCATIONS MARKED
 0920 TRAVELA LEE w/ DEPS ON
 SITE w/ UTV
 - ATTEMPT TO PULL OUT STUCK
 UTV
 1000 TRAVELA OFF SITE, UTV
 PULLED OUT AND BETTER UTV
 LEFT ON SITE. TRUCK STILL
 STUCK
 1030 H-16 LOCATIONS MARKED
 1040 DYLAN LESJOURNE w/ GULF SOUTH
 PIPELINE ON SITE
 1110 DYLAN AF SITE, WASN'T ABLE TO
 GET HIS APP WORKING. HE WILL
 - LOOK AT COORDINATES IN THE OFFICE
 - SIN 213760 HISSING/LEAKING,
 JAKE CALLED PHONE NUMBER on
 SIGN, A REP FROM UNITED WORLD
 ENERGY COMPANY

Shawn Wilgins

Location ~~Bay City, LA~~ ^{HAYES} Date 11/9/21

Project / Client HENNINGS MANAGEMENT

Shannon Williams

- 1135 UNITED WORLD ENERGY and SITE,
WORKING ON LEAKING WELL
- 1138 UNITED OFF SITE, LOOKED AT
WELL AND WILL REPORT TO OWNER
- 1200 DRAW CAMPBELL (CON) ON SITE
- 1240 BACK AT TRUCKS FOR LUNCH
- MARKED H-15 LOCATIONS & MW-7
- 1320 RESUME MARKING LOCATIONS
- 1400 H-21W MARKED
- HEAD TO MARK LOCATIONS TO THE SOUTH
- 1430 H-1E MOVED SLIGHTLY OUT OF
STANDING WATER
H-1E: 3327852.10, S08308.05
- 1520 H-18NW PROPOSED LOCATION WAS IN
DITCH, MOVED SLIGHTLY SOUTH EAST
H-18NW: 3327901.45, S08214.16
- 1525 FINISH MARKING LOCATIONS IN THIS
AREA, HEAD TO H-2A/H-2B AREA
- 1540 JAMES CARRIVE ON SITE, HEAD
OVER TO MEET HIM, WILL RETURN
TO MARK LOCATIONS
- 1600 PHOTO (8) DEPS JSA
- 1610 SAFETY MEETING CONCLUDED, GOING TO
TRY TO PULL OUT JAKE'S TRUCK

SW

Location ~~Bay City, LA~~ ^{HAYES} Date 11/9/21

Project / Client HENNINGS MANAGEMENT

Shannon Williams

- 1630 JAKE'S TRUCK IS OUT!
- 1700 JAMES OFF SITE
- HEAD OVER TO MARK LAST
BORING LOCATIONS
- 1800 WE HAVE MARKED ALL
LOCATIONS EXCEPT MW-9
- ALL PERSONEL OFF SITE
- UNITED WORLD ENERGY PERSONEL
WORK ON SITE FOR A GOOD PART
OF THE DAY, WELL IS NO LONGER
LEAKING



Shannon Williams

HAYES
 Location ~~Belle City~~, LA

Date 11/10/21

Project / Client HENNING MANAGEMENT 0526033

Steward WILGINS

- 0700 ARRIVE ON SITE
 0715 JAMES CARROLL (DEPS) ON SITE
 0730 JAKE ROBERTSON (EPM) ON SITE
 - CONDUCT SAFETY MEETING
 - WALKER HILL IS CLOSE, WAITING TO FINISH SAFETY MEETING
 0750 BLAKE FISTRUCK & CELIL PARKER OF WALKER HILL ON SITE
 - CONDUCT SAFETY MEETING
 0815 JAMES STARTS CLEARING VEGETATION, JAKE IS GUIDING HIM
 0846 JUSTIN SOILCAN (GPS) ON SITE
 - CONDUCT SAFETY MEETING
 0900 MARSH MASCOE IS OVERHEATING. WILL CLEAR VEGETATION TO EXTENT POSSIBLE WHILE WAITING ON REPLACEMENT
 0905 BEGIN CLEARING LOCATIONS W/ GPS
 0914 - ~~AN~~ H-16W MOVED OUTSIDE CRITICAL ZONE (UNDERGROUND POWER POSSIBLY OPERATIONAL)
 - NEW H-16W LOCATION: 3328214.50, 508114.64
 1020 CLEARED ALL H-16, H-15, H-8, & H-22 LOCATIONS

[Signature]

HAYES
 Location ~~Belle City~~, LA

Date 11/10/21

Project / Client HENNING MANAGEMENT 0526033

Steward WILGINS

- 1028 PASSIVE POWER DETECTED AT MW-6 LOCATION. MOVED NORTH 12' (OUTSIDE CRITICAL ZONE)
 MW-6: 3328272.89, 508136.38
 1045 CLEARED MW-6 & H-21 BORNHUIS
 - RETURN TO SOUTHERN AREA
 1135 CLEARED MW-1, MW-8, MW-10, AND H-1, H-19, H-18, & H-17 LOCATIONS
 1145 UNDERGROUND UTILITY RUNNING NORTH SOUTH BY H-24. LOCATION, THE FOLLOWING OUTSIDE CRITICAL ZONE:
 H-24N: 3327858.17, 508646.81
 H-24R: 3327847.82, 508616.05
 1235 FINISH CLEARING H-24 & H-29 LOCATIONS
 1300 CLEARING LOCATIONS AROUND BLOWOUT
 1310 UNKNOWN UNDERGROUND LINE EAST OF H-11E, MOVED WEST OUTSIDE CRITICAL ZONE
 H-11E: 3328233.36, 507839.55
 1340 FINISH CLEARING LOCATIONS AROUND BLOWOUT
 1355 CLEAR MW-7, CLEAR MW-9
 - MOVED TO NEW LOCATION BASED ON VEGETATION / ACCESS

[Signature] *[Signature]* Site in the Rain

100

HAYES
 Location ~~Bell City~~, LOUISIANA Date 11/10/21

Project / Client HEADLAND MANAGEMENT 0526033

SHAWN WILGINS

1358 MW-9: 3327954.59, 508265.70

1415 AT H-A LOCATIONS TO CHECK BORINGS

- DREW CAMPBELL (1 Con) IS WITH US. ARRIVED AROUND 1130, BUT HAS NOT BEEN WITH US

1445 ALL BORING LOCATIONS MARKED AND CLEARED, HEAD BACK TO MEET UP W/ DEPS TO SWAP OUT UTV

- GPRS OFF SITE

1515 DEPS HAS SWAPPED OUT UTV

- JAMES OFF SITE - TAKING MARSA MASTER TO SWAP WITH ANOTHER IN THE MORNING

1620 SSC PLAN COMPLETE AND REVIEWED BY LANCE. HE APPROVES AND WILL SEND SIGNATURE PAGE BEFORE WORK TOMORROW MORNING

1625 WALKER HILL AND 1 Con OFF SITE

- HEAD TO BLOWNT TO ASSESS VEGETATION CLEARING

[Signature]

101

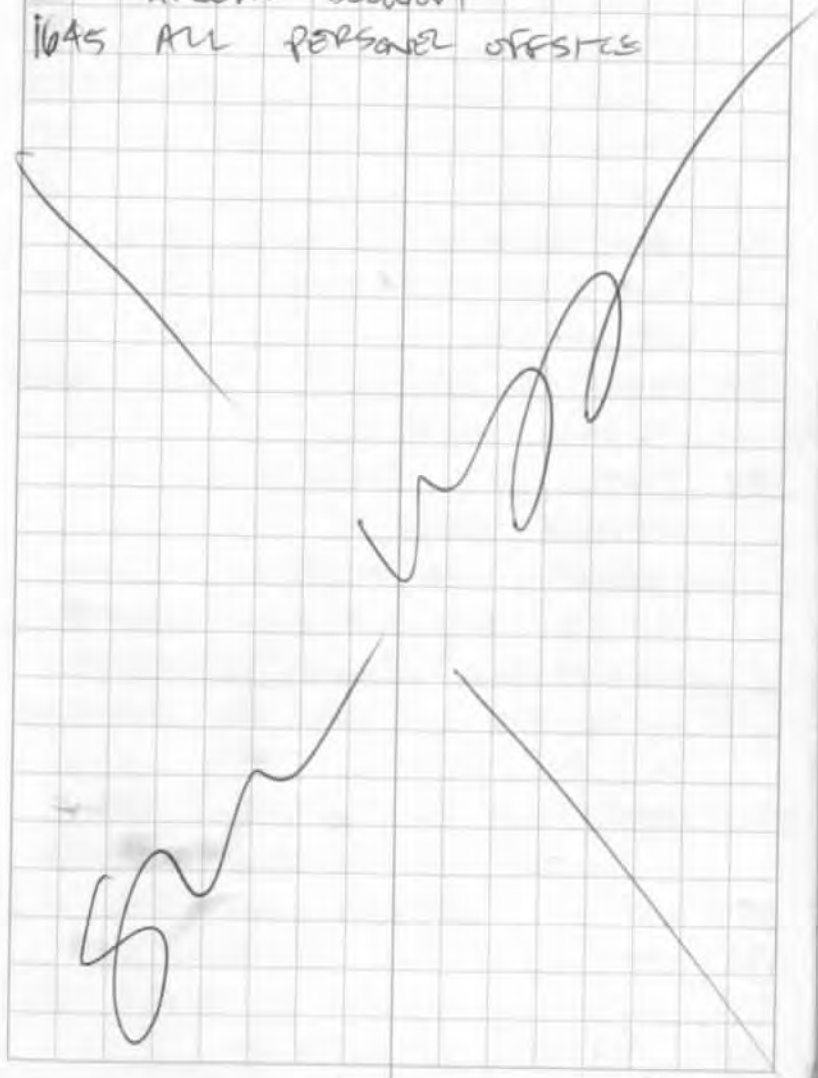
HAYES
 Location ~~Bell City~~, LOUISIANA Date 11/10/21

Project / Client HEADLAND MANAGEMENT 0526033

SHAWN WILGINS

1628 PHOTO (9) CLEARED VEGETATION AROUND BLOWNT

1645 ALL PERSONEL OFF SITE



[Signature]

Location HAYES, Louisiana Date 11/11/21

Project / Client HENNING MANAGEMENT 0526033

SHAWD WILGINS

0655 ARRIVE ON SITE

- BLAKE FISHER & COLE PRKOR (WORKER HILL) ON SITE
- DREW CAMPBELL (ICOM) ON SITE
- WEATHER IS RAINY, WAITING FOR RAIN TO STOP

0710 TAKE ROBERTSON (ERM) ON SITE

0745 RAIN HAS STOPPED, WILL SEE WHAT WE CAN DO BEFORE IT STARTS BACK UP

0805 CHECK PID CALIBRATION: 100 PPM CAL GAS, READING 99.7 PPM

0811 PHOTO (10) H-22W LOCATION, FACING EAST

0818 COMPLETE HAND AUGERING H-22W TO 2'. DECON HAND AUGER BETWEEN BORINGS. SOIL CONTAINERS PLACED IN PLASTIC BAG AND WILL BE PROCESSED AT THE TRUCK

0826 PHOTO (11) H-22R LOCATION, FACING SE, BLAKE SISTRUCK HAND AUGERING

0827 COMPLETE HAND AUGERING H-22R TO 2'

0830 PHOTO (12) H-22S LOCATION, FACING EAST

0832 COMPLETE HAND AUGERING H-22S TO 2'

[Signature]

Location HAYES, LA Date 11/11/21 103

Project / Client HENNING MANAGEMENT 0526033

SHAWD WILGINS

0834 PHOTO (13) H-22N LOCATION, FACING EAST

0836 COMPLETE HAND AUGERING H-22N TO 2'

0837 PHOTO (14) H-22E LOCATION, FACING EAST

0839 COMPLETE HAND AUGERING H-22E TO 2'

0853 PHOTO (15) H-22W 0-2' SOIL CONTAINERS

- EC: 0.85
- CLAY, DARK BROWN (7.5 YR 3/2), MOIST, STIFF, NO ODR, ROOTLETS
- PID: 0.0 PPM

0855 COLLECT H-22W 0-2'

0902 PHOTO (16) H-22R 0-2' SOIL CONTAINERS

- EC: 1.10
- SILT WITH CLAY, DARK BROWN (10 YR 3/3), SLIGHTLY MOIST, MEDIUM STIFF, NO ODR
- PID: 0.0 PPM

0910 COLLECT H-22R 0-2'

0914 PHOTO (17) H-22S 0-2' SOIL CONTAINERS

- EC: 0.61
- SILT WITH CLAY, DARK BROWN (10 YR 3/3), DRY TO SLIGHTLY MOIST, MEDIUM STIFF, NO ODR, MINOR ROOTLETS
- PID: 0.0 PPM

0915 COLLECT H-22S 0-2'

[Signature]

Location HAYES, LA

Date 11/11/21

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

0924 PHOTO (18) H-22N 0-2' SOIL CUTTINGS
- EC: 0.47

- SILT WITH CLAY, DARK BROWN (10YR 3/3),
DRY, MEDIUM STIFF, NO ODOR

- PID: 0.0 PPM

0925 COLLECT H-22N 0-2'

0930 PHOTO (19) H-22E 0-2' SOIL CUTTINGS
- EC: 1.01

- SILTY CLAY, DARK BROWN (10YR 3/3),
MOIST, MEDIUM STIFF, NO ODOR

- PID: 0.0 PPM

0935 COLLECT H-22E 0-2'

0940 COMPLETE PROCESSING H-22 SAMPLES,
- RAIN HAS PICKED UP, WAITING FOR
IT TO SLOW DOWN

1005 RAIN HAS SLOWED, BACK TO WORK

1015 ALL H-22 BORINGS BACK FILLED WITH
SOIL CUTTINGS

- HEADING TO COLLECT H-8 SAMPLES,
THEN PROCESS AT TRUCKS

1017 PHOTO (20) H-8S LOCATION, FACING NE

1020 COMPLETE HAND AUGERING H-8S TO 2'

1023 PHOTO (21) H-8R LOCATION, FACING NORTH

1024 COMPLETE HAND AUGERING H-8R TO 2'

Shawn Wilgins

Location HAYES, LA

Date 11/11/21 105

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

1029 PHOTO (22) H-8E LOCATION, FACING NORTH

1032 COMPLETE HAND AUGERING H-8E TO 2'

1034 PHOTO (23) H-8W LOCATION, FACING SOUTH

1042 COMPLETE H-8W HAND AUGERING TO 2'

1047 PHOTO (24) H-8N LOCATION, FACING SE

1051 COMPLETE HAND AUGERING H-8N TO 2'

- HEAD BACK TO TRUCKS TO PROCESS
SAMPLES

1057 PHOTO (25) H-8R 0-2' SOIL CUTTINGS

- EC: 1.33

- CLAY SILT, DARK BROWN (10YR 3/3),
DRY TO SLIGHTLY MOIST, MEDIUM STIFF, NO ODOR

- PID: 0.1

1100 COLLECT H-8R 0-2'

1107 PHOTO (26) H-8E 0-2' SOIL CUTTINGS

- EC: 1.34

- CLAY WITH SILT, DARK BROWN (10YR 3/3),
MOIST, STIFF, NO ODOR

- PID: 0.3

1110 COLLECT H-8E 0-2'

1115 JAMES CARRIER (DOB) ON SITE W/
NEW MARCH MASTER W/ BUSH HOG

- CONDUCT SAFETY MEETING

Shawn Wilgins

Shawn Wilgins

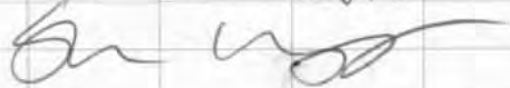
Location HAYES, LA

Date 11/11/21

Project / Client HENNING MANAGEMENT 0526033

STAN WIGGINS

- 1130 JAMES & JAKE CONTINUE CLEARING
VEGETATION w/ MARIK MASTON
- 1131 PHOTO (27) H-8W 0-2' SOIL CUTTINGS
- EC: 1.74
- CLAY, DARK YELLOWISH BROWN (10YR 4/4),
MOIST, STIFF, NO ODOR
- PID: 0.0 PPM
- 1135 COLLECT H-8W 0-2'
- 1139 PHOTO (28) H-8S 0-2' SOIL CUTTINGS
- EC: 0.64
- CLAY SILT, DARK BROWN (10YR 3/3),
DRY TO SLIGHTLY MOIST, STIFF, NO ODOR
- PID:
- 1140 COLLECT H-8S 0-2'
- 1145 PHOTO (29) H-8N 0-2' SOIL CUTTINGS
- EC: 1.29
- CLAY WITH SILT, DARK BROWN (10YR 3/3),
MOIST, STIFF, NO ODOR
- PID: 0.0
- 1150 COLLECT H-8N 0-2'
- 1230 H-8 LOCATIONS BACKFILLED w/
SOIL CUTTINGS. MOVE ON
TO H-16 STOPPETS



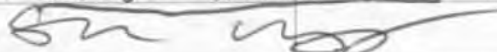
Location HAYES, LA

Date 11/11/21 107

Project / Client HENNING MANAGEMENT 0526033

STAN WIGGINS

- 1235 PHOTO (30) H-16W LOCATION FINISH S
- 1239 FINISH HAND AUGERING H-16W TO 2'
- 1241 PHOTO (31) H-16N LOCATION, FACING NW
- 1245 FINISH HAND AUGERING H-16N TO 2'
- 1247 PHOTO (32) H-16S LOCATION, FACING S
- 1252 FINISH HAND AUGERING H-16S TO 2'
- 1255 PHOTO (33) H-16E LOCATION, FACING N
- 1258 FINISH HAND AUGERING H-16E TO 2'
- 1300 BACK AT TRUCKS TO
PROCESS SAMPLES,
- 1305 PHOTO (34) H-16N^{0-2'} SOIL CUTTINGS
- EC: 1.39
- CLAY WITH MINOR SILT CONTENT, VERY DARK
GRAYISH BROWN (10YR 3/2), MOIST,
STIFF, NO ODOR
- PID: 0.0 PPM
- 1310 COLLECT H-16N 0-2'
- 1321 PHOTO (35) H-16W 0-2' SOIL CUTTINGS
- EC: 1.51
- CLAY w/ MINOR SILT CONTENT, DARK
BROWN (10YR 3/3), MOIST, MOD STIFF,
NO ODOR
- PID: 0.0 PPM
- 1325 COLLECT H-16W 0-2'



Stan Wiggins

Location HAWES, LADate 11/11/21Project / Client HENNING MANAGEMENT 0526033STAN WILGINS

1333 PHOTO (36) H-16E 0-2' SOIL CUTTINGS

- EC: 1.47

- CLAYEY SILT, VERY DARK BROWN (10YR 2/2),
MOIST, MEDIUM STIFF, NO ODOR

- PID: 0.0 PPM

1340 COLLECT H-16E 0-2'

1344 PHOTO (37) H-16S 0-2' SOIL CUTTINGS

- EC: 1.02

- CLAY WITH SILT, DARK BROWN (10YR 3/3),
MOIST, MEDIUM STIFF, NO ODOR

- PID: 0.0 PPM

1350 COLLECT H-16S 0-2'1402 H-16 STEP-OUT BORINGS BACKFILLED
W/ SOIL CUTTINGS1415 MOB TO H-24/H-28 AREA FOR
HAND AUGERING

1428 PHOTO (38) H-24S LOCATION, FACING SOUTH

- CHECKING THESE LOCATIONS W/
PROBE PRIOR TO HAND AUGERING

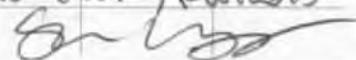
1435 COMPLETE HAND AUGERING H-24S 0-2'

1440 PHOTO (39) H-24S SOIL CUTTINGS 0-2'

- EC: 1.15

- CLAY, VERY DARK GRAY (10YR 3/1),
WET, VERY SOFT, NO ODOR, ROOTLETS

- PID: 0.0 PPM

Location HAWES, LADate 11/11/21 109Project / Client HENNING MANAGEMENT 0526033STAN WILGINS1445 COLLECT H-24S 0-2'

1450 H-24S BACKFILLED W/ SOIL CUTTINGS

1453 PHOTO (40) H-28W LOCATION, FACING S

1500 FINISH HAND AUGERING H-28W TO 2'

1504 PHOTO (41) H-28W 0-2' SOIL CUTTINGS

- EC: 0.71

- SILTY CLAY, VERY DARK GRAY (10YR 3/1),
MEDIUM SOFT TO MEDIUM STIFF, WET, NO ODOR,
ROOTLETS

- PID: 0.0

1510 COLLECT H-28W 0-2'

1518 H-28W BORING BACKFILLED W/ SOIL CUTTINGS

1520 PHOTO (42) H-28R LOCATION FACING SE

1530 FINISH HAND AUGERING H-28R TO 2'

1534 PHOTO (43) H-28R 0-2' SOIL CUTTINGS

- EC: 0.81

- SILTY CLAY, VERY DARK GRAY (10YR 3/2),
MEDIUM STIFF, WET, NO ODOR, ROOTLETS

- PID:

1540 COLLECT H-28R 0-2'

1554 PHOTO (44) H-28S LOCATION, FACING N

1557 H-28R BACKFILLED W/ SOIL CUTTINGS

1601 FINISH HAND AUGERING H-28S



Rite in the Rain

Location HAYES, LADate 11/11/21Project / Client HENNING MANAGEMENT 0526033Sitework Worklogs

1608 PHOTO (A5) H-28S 0-2' SOIL CUTTINGS

- EC: 1.29

- SILTY CLAY, VERY DARK GRAY (10YR 3/1),
STIFF, WET, NO ODOR, ROOTLETS

- PID: 0.0 PPM

1615 CONTACT H-28S 0-2'

1622 PHOTO (A6) H-28E LOCATION, FACING SW

1629 FINISH HAND AUGERING H-28E TO 2'

1633 PHOTO (A7) H-28E 0-2' SOIL CUTTINGS

- EC: 1.07

- SILTY CLAY, VERY DARK GRAY (10YR 3/1)
MEDIUM SOFT TO MEDIUM STIFF, WET,
NO ODOR, ROOTLETS

- PID: 0.0 PPM

1640 CONTACT H-28E 0-2'

1645 JAKE JOINS US AT H-24/H-28 LOCATIONS

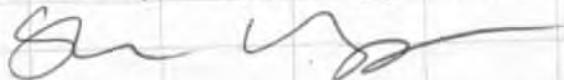
- COMPLETED VEGETATION CLEARING
AND JAMES OFF SITE

1650 DREW OFF SITE

1655 H-28E & H-28S BORDERS
BACKFILLED W/ SOIL CUTTINGS

1700 WALKER HILL OFF SITE

1730 ALL PERSONNEL OFF SITE

Location HAYES, LADate 11/12/21 111Project / Client HENNING MANAGEMENT 0526033Sitework Worklogs

0700 ARRIVE ON SITE

- CHECK IN WITH JAMES - HE IS
LOADING UP MARSH MASTER AND
HEADING OUT, NO VEGETATION CLEARING
TODAY

0705 HEAD TO H-24/H-28 AREA

- BLAKE SISTRUP & CECIL PARKER
(WHE) ON SITE

- DREW CAMPBELL ON SITE

- JAKE ROBERTSON (OKW) ON SITE

0710 CONTACT SAFETY MEETING

0720 PREP TO CONTINUE HAND AUGERING
IN H-24/H-28 AREA

0731 PHOTO (A8) H-28N LOCATION, FACING NE

0739 COMPLETE HAND AUGERING H-28N TO 2'

0745 PID CALIBRATED

0748 PHOTO (A9) H-28N 0-2' SOIL CUTTINGS

- EC: 1.14

- SILTY CLAY, VERY DARK GRAY (10YR 3/1),
WET, MEDIUM SOFT TO MEDIUM STIFF,
NO ODOR, ROOTLETS

- PID: 0.1

0755 CONTACT H-28N 0-2'

Location HAYES, LA

Date 11/12/21

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILKINS

0758 PHOTO (S0) H-24N LOCATION FACING N

0801 H-28N BACKFILLED w/ SOIL CUTTINGS

0808 FINISH HAND AUGERING H-24N TO 2'

0810 PHOTO (S1) H-24N 0-2' SOIL CUTTINGS

- EC: 0.71

- SILTY CLAY, VERY DARK GRAY (10YR 3/1),
MEDIUM SOFT TO MEDIUM STIFF, WET, NO ODR

- PID: 0.0

0815 COLLECT H-24N 0-2'

0821 PHOTO (S2) H-24E LOCATION FACING N

0822 H-24N BORING BACKFILLED w/ SOIL CUTTINGS

0830 COMPLETE HAND AUGERING H-24E TO 2'

0831 PHOTO (S3) H-24E LOCATION FACING N,

WAS MOVED ~8 FEET EAST OF H-24E

DUE TO UNIDENTIFIED UNDERGROUND

LINE FOUND BY GPS DURING

SUBSURFACE CLEARANCE

0837 COMPLETE HAND AUGERING H-24E TO 2'

0840 PHOTO (S4) H-24W LOCATION, FACING N

0845 COMPLETE HAND AUGERING H-24W TO 2'

- BACK AT TRUCKS TO PROCESS SAMPLES

0848 PHOTO (S5) H-24E 0-2' SOIL CUTTINGS

- EC: 0.97



Location HAYES, LA

Date 11/12/21 113

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILKINS

- SILTY CLAY, YELLOWISH BROWN (10YR 5/4),

MOIST, MEDIUM STIFF, NO ODR,

ABUNDANT SANDY GRAVEL (FILL) IN

UPPER ~8", SHELLS

- PID: 0.5

0850 COLLECT H-24E 0-2'

0857 PHOTO (S6) H-24W 0-2' SOIL CUTTINGS

- EC: 1.05

- CLAYEY SILT, DARK YELLOWISH BROWN

(10YR 4/4), MOIST, MEDIUM STIFF,

NO ODR, ABUNDANT SAND (FILL)

IN UPPER ~8", SHELLS

- PID: 0.1

0900 COLLECT H-24W 0-2'

0907 PHOTO (S7) H-24E 0-2' SOIL CUTTINGS

- EC: 1.45

- SILTY CLAY, VERY DARK GRAY (10YR 3/1)

MOIST, MEDIUM STIFF, NO ODR, MINOR

SHELLS, ABUNDANT SAND w/ SAND GRAVEL

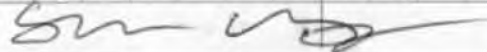
(FILL) IN UPPER ~8"

- PID: 0.1

0910 COLLECT H-24R 0-2'

0920 BACKFILLED H-24R, H-24E, & H-24W

w/ SOIL CUTTINGS



Rite in the Rain

Location HAYES, LA

Date 11/12/21

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

0925 HEAD TO H-4 AREA

0933 PHOTO (58) OVERVIEW OF H-4 AREA,
FACING EAST

0938 PHOTO (59) H-4N LOCATION, FACING N

0943 FINISH HAND AUGERING H-4N TO 2'

0945 PHOTO (60) H-4R LOCATION, FACING N,
BLAKE SISTRUCK (WHITE) CLEARING
LOCATION WITH PROBE

0953 FINISH HAND AUGERING H-4R TO 2'

0954 PHOTO (61) CELL PARKOR (WHITE)
DECOMING HAND AUGER. WE HAVE
DECOMENT BETWEEN EACH SAMPLE

0955 PHOTO (62) H-4S LOCATION FACING S

1000 FINISH HAND AUGERING H-4S TO 2'

1002 PHOTO (63) H-4E LOCATION FACING N

1008 FINISH HAND AUGERING H-4E TO 2'

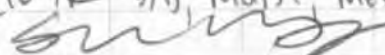
1009 PHOTO (64) H-4W LOCATION FACING N

1017 FINISH HAND AUGERING H-4W TO 2'

-HEAD BACK TO TRUCKS TO PROCESS
SAMPLES

1023 PHOTO (65) H-4R 0-2' SOIL CUTTINGS

-EC: 0.75

-SILTY CLAY, VERY DARK GRAY
(10YR 3/1), MOIST, MEDIUM STIFF, NO ODOR

Location HAYES, LA

Date 11/12/21 115

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

-PID: 5.6 PPM

1030 COLLECT H-4R 0-2'

1034 PHOTO (66) H-4N 0-2' SOIL CUTTINGS

-EC: 0.40

-SILTY CLAY, DARK GRAY (10YR 4/1),

WET, MEDIUM SOFT, ROOTLETS, NO ODOR

-PID: 1.5 PPM

1040 COLLECT H-4N 0-2'

1043 PHOTO (67) H-4E 0-2' SOIL CUTTINGS

-EC: 0.47

-SILTY CLAY, VERY DARK GRAY

(10YR 3/1), WET, MED SOFT TO

MEDIUM STIFF, NO ODOR, ABUNDANT

ROOTLETS AND ORGANIC MATTER, PID:

1050 COLLECT H-4E 0-2'

3.5

1107 PHOTO (68) H-4S 0-2' SOIL CUTTINGS

-EC: 0.33

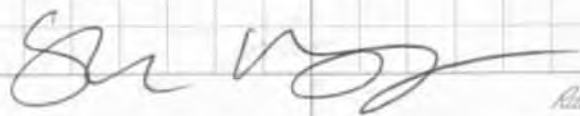
-SILTY CLAY, GRAY (10YR 4/3),

WET, MED SOFT TO MED STIFF,

NO ODOR, ROOTLETS & ORGANIC MATTER

-PID: 4.6 PPM

1110 COLLECT H-4S 0-2'



Rite in the Rain

Location HAYES, LA

Date 11/12/21

Project / Client HENNING MANAGEMENT 0526033

STAN WIGGINS

1114 PHOTO (69) H-4W 0.2' SOIL CUTTINGS

- EC: 0.36

- CLAYEY SILT, DARK BROWN (10YR 3/3),
MOIST, MEDIUM SOFT, NO ODOR,

MINOR ROOTETS

- PID: 5.1 PPM

1120 COLLECT H-4W 0.2'

1130 ALL H-4 AREA BORINGS BACKFILLED
WITH SOL CUTTINGS- I CON HAS SPLIT ALL SAMPLES
COLLECTED THIS WEEK. THEY
ARE USING ERM'S COORDINATES
CONSIDER W/ TRIMBLE

1150 I CON OFF SITE

- COMPLETE COCS AND SIGN OVER
TO JAKE FOR TRANSPORT

TO ELEMENT AND CORE MINERALLY

1200 ALL PERSONEL OFF SITE



Location HAYES, LA

Date 11/15/21 117

Project / Client HENNING MANAGEMENT 0526033

STAN WIGGINS

0945 ARRIVE ON SITE

- CHARLES TRAHAN (ERM)

ON SITE TO PICK UP HAND
AUGER

- CORY HUNTER (ERM) ON SITE

- REVIEWING DOCUMENTS W/ CORY

1005 JAKE ROBERTSON ON SITE

1010 CHARLES OFF SITE W/ HAND AUGER

1030 SAFETY MEETING, CONDUCTED
REVIEWED HASP & SSC PLAN1130 BLAKE STRUCK AND CELL
PARKER (WIFE) ON SITE

1140 SAFETY MEETING CONDUCTED

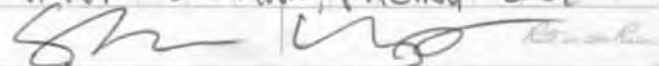
- WALKER HILL GETTING SET UP

- CORY IS KEEPING SEPARATE

FIELD NOTES FOR DRILLING, ETC

1200 SHOW CORY AROUND THE SITE

1220 RETURN TO TRUCKS

- W/TE READY TO DRILL, MOB
TO H-10R1333 PHOTO (70) CORY AND JAKE LOGGING
H-10R B-121344 PHOTO (71) DRILL RIG AT
H-10R LOCATION, FACING EAST


118

Location HAYES, CADate 11/15/21Project / Client HENNING MANAGEMENT 0526073STAIN WILGUNS

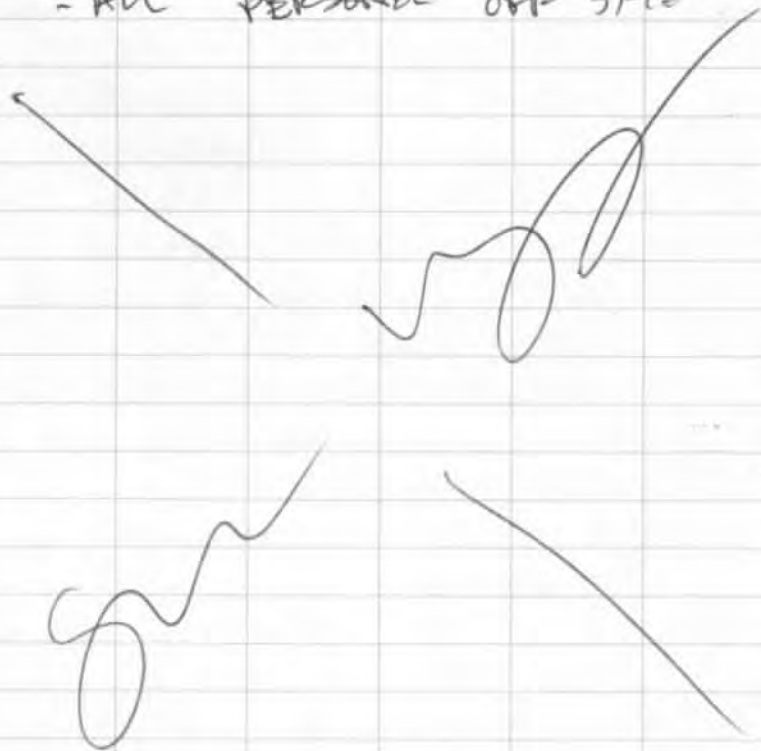
1620 CORE AND TAKE COLLECTING
H-LOG SAMPLES, I TAKE
LAND TO SEE SITE LOCATIONS

1729 PHOTO (12) ARCHIVE SAMPLES

H-LOG 38.5-39' & H-LOG 49.75-50'

1800 SOIL CONTAINERS TRANSFERRED
TO DRUM

- ALL PERSONAL OFF SITE



Henning Management 11/15/21
Cory Hunter 0526033

Sunny, 63/75°

1130 ERM on site for soil sampling
& Drilling oversight:
Cory Hunter, Jake Roberson,
Shawn Wiggins

ICON on sight for split
sampling:

Drews Cambell
Walker Hill on site for
Drilling Crew:
Blake, Cecil

Tailgate safety meeting.
Discuss today's work

1145 Ride to locations on
UTV

1215 Walker Hill set up at
location H-16R

1220 Jake calibrated PID meter:
MiniRae Lite w/
100 ppm isobutylene

1245 Begin drilling/logging boring
H-16R

1530 Lance Cooper on site.
Partner-in-Charge @ ERM

— Cory Hunter —

Henning Management 11/15/21
Cory Hunter 0526033

1600 Geotech sample collected
from ~~50.5~~ 50.5-51'
cut 11/15/21
- undisturbed soil core cut
w/ saws-all and capped
at each end

1655 H-16R (0-2') sample collected

1705 H-16R (14-16') sample collected

1710 H-16R (50-50.5') sample collected

1720 Geotech sample collected
from (38.5-39') H-16R
- soils collected and placed
in vacuum sealed bag

↳ show & tell sample
(38.5-39') H-16R (~~38-40~~) cut 11/15/21 geotech
sample to go to
Ardaman & Associates
for grain size & soil
classification

1730 H-16R (49.75-50')
geotech show & tell sample
collected from underlying
clay
- vacuum sealed bag

1700

— Cory Hunter —

Henning Management

Herring Management
Cory Hunter

11/15/21
0526033

1800 Placing soil cuttings in
drum and clean up site.
Walker Hill grouts boring
14-16R w/ portland
cement

1530 off site.

* Borings installed and sampled
using Geoprobe 7822 DF
direct push rig. Dual Tube
sampling system w/ Acetate
liners.

* All samples for analysis of
LDNR-29B parameters
collected in quart ziploc
bags.

~~Cory~~

~~11/15/21~~

~~11/15/21~~

Henning Management 11/16/21
Cory Hunter 0526033

Sunny, 61/77°

700 ERM on site for drilling oversight & soil sampling:

Cory Hunter

Jake Roberson

Walker Hill on site for drilling:

Blake Sistruck

Cecil Parker

ICON on sight for split sampling:

Drew Campbell

710 Turigate safety meeting.
Discuss today's work

745 Walker Hill setting up to begin drilling/logging at H-12R

750 Calibrated PID meter
-MiniBae Lite w/
100 ppm isobutylene cal gas

1030 United Rentals picks up UTV for service

1122 Break for lunch @
50 ft bgs on H-12R

Cory Hunter

Henning Management 11/16/21
Cory Hunter 0526033

1200 Return from lunch. Continue drilling H-12R

1245 Flowing sand encountered @ 54 ft bgs. Will have to us expendable point to try and get past it. No sample recovery

1315 Geoprobe is sinking in mud. Walker Hill off site to pick up 4x4" blocks to stack under rig.

1445 Walker Hill back on site

1530 Continue drilling H-12R. Pick up sampling @ 62'

1700 H-12R (53-54') sample collected from water bearing zone for geotech analysis (grain size, etc.)

1705 Stopped sampling for today @ 70 ft due to getting dark. Still need to push another 4-8 ft for vertical delineation

Cory Hunter
Kittling

Hennig Management
Cory Hunter

11/16/21
0526033

1715 Spoke to Shawn Wiggins.
Does not want to leave open
hole due to cross-contamination
concerns. Walker Hill grouts
hole and will have to start
new hole tomorrow for sampling

② 70+ ft at H-12R

1725 Co-located borings drilled to
4 ft for upper sample intervals
extra volume

* Cores not opened. Will open
tomorrow morning and sample.

1735 Clean up.
Off site

Cory Hunter

11/16/21

Hennig Management
Cory Hunter

11/17/21
0526033

Partly cloudy, 63/79°

700 ERM on site for drilling
oversight & soil sampling

Cory Hunter

Jake Roberson

Walker Hill on site for
drilling:

Blake Sistructe - Driller

Cecil Parker

Dennis Herrera - Supervisor

ICON on site for split
sampling:

Drew Campbell

720 Tailgate Safety Meeting
Discuss today's work

740 Walker Hill to repair
winch on rig

750 Calibrated PID meter
- MiniRae Lite w/ 100 ppm

isobutylene cal gas

~~730 Winch repaired. Walker Hill
begins CWIT 11/17/21~~

Cory Hunter

Return to Room

Hennings Management
Cory Hunter

11/17/21
0526033

- 740 H-12R (0-1') sample collected
 745 H-12R (1-2') sample collected
 750 H-12R (2-3') sample collected
 - co-located sample collected
 yesterday & opened today for
 additional volume
- 830 Walker Hill starts drilling
 new hole at H-12R to
 pick up sampling for vertical
 delineation @ 70 ft
- 1230 Finished drilling H-12R
 to 78 ft bgs
- 1250 H-12R (76-78') sample collected
- 1300 H-12R (70-71') sample collected
 in vacuum sealed bag for
 archive sample
- * H-12R (74-76) undisturbed
 soil core capped for
 vertical permeability delineation
 geotech sample

Smear zone of brown mud-cake present
 on sample from up hole

Cory Hunter

Hennings Management
Cory Hunter

11/17/21
0526033

- 1315 Walker Hill grouting
 hole H-12R. Deconing
 drilling rods
- 1515 Finished grouting
 H-12R and Decon.
 Move rig and begin
 drilling/logging H-21R
- 1605 H-21R (0-1') collected
- 1610 H-21R (1-2') collected
- 1615 H-21R (2-3') collected
- 1620 H-21R (10-12') collected
- 1700 H-21R (22-24') collected
- 1710 Clean up site.
- 1730 Off site.

Cory Hunter
 11/17/21

Henning Management 11/18/21
Cory Hunter 0526033

Cloudy.

700 Arrive on site. ERM on site for drilling oversight & soil sampling:

Cory Hunter

David Sanguinetti

Walker Hill on site for drilling:

Blake Sistruck

Cecil Parker

ICON on site for split sampling:

Drew Campbell

720 Tailgate safety meeting.
Discuss today's work

730 Calibrated PID meter
- Mini Rae Life w/ 100 ppm
isobutylene cal gas

800 Begin drilling/logging boring
H-21W

~~820 MW-6~~ Cory Hunter 11/18/21

830 H-21W (8-10) sample collected

Cory Hunter

Henning Management 11/18/21
Cory Hunter 0526033

835 H-21W (6-8) sample collected

840 H-21W (6-2) sample collected

900 Begin drilling/logging MW-6
- 3.25" barrels

950 MW-6 (0-2) sample collected

955 MW-6 (4-6) sample collected

1000 MW-6 (8-10) sample collected

1045 MW-6 32-36' sample core
stuck inside barrel. Had to
extrude soil from liner except
for top & bottom of core. Sample
came out relatively intact

1135 MW-6 (18-20) sample collected

1130 MW-6 (30-32) sample collected

1125 MW-6 (38-40) sample collected

1300 MW-6 well set:

- TD = 40 ft logs

- screen = 30-40 ft

1" PVC pre-pack

- Sand pack @ 28 ft

- bentonite @ 25 ft

Cory Hunter

Henning

Henning Management
Cory Hunter

11/18/21
0526033

- 1315 Break for lunch
1350 Return from lunch.
Walker Hill decomposing
barrels
1430 Mobilizing and begin
drilling/logging H-15N
1510 H-15N (0-2') sample collected
1520 H-15N (6-8') sample collected
1530 Begin drilling H-15W
1540 H-15W (0-2') sample collected
1550 H-15W (6-8') sample collected
1600 Begin drilling H-15R
1610 H-15R (0-2') sample collected
1625 H-15R (6-8') sample collected
1635 Cleaning up site.
1650 Off site.

~~Cory Hunter~~

~~11/15/21~~

Henning Management
Cory Hunter

11/19/21
0526033

- Sunny, 46/64°
700 ERM on site for drilling oversight
& soil sampling
- Cory Hunter, David Sanguinetti
Walker Hill on site for drilling:
- Blake Sistruck, Cecil Parker
ICON on site for split sampling:
- Drew Campbell
710 Tailgate safety meeting.
Discuss today's work.
730 Walker Hill grouting well
MW-6 to surface
810 Calibration check on PID meter
- MiniRae Lite w/ 100 ppm isobutylene
cal gas. 115 → 100 ppm
815 Walker Hill begin drilling
H-15E
845 H-15E (0-2') sample collected
850 H-15E (6-8') sample collected
855 Begin drilling/logging H-15S
905 H-15S (0-2') sample collected
915 H-15S (6-8') sample collected

~~Cory Hunter~~

Hemming Management
Cory Hunter

11/19/21
0526033

- 930 Walker Hill geotred borings
H-15E and H-15S
- 945 Move to H-11 borings and
begin sampling
- hand auger, 0-2 ft
 - decan between borings
- 1000 H-11S (0-2') sample collected
- v. slight odor
- 1005 H-11E (0-2') sample collected
- no odor
- 1010 H-11R (0-2') sample collected
- ↳ hit concrete or rock @ ~1 ft
move over 6"
 - still hit rocks. Moved about
2 ft north of stake
 - no odor, sandy
- 1015 H-11N (0-2') sample collected
- no odor
 - sandy

H-11: silty clay; smst to dry, d. gray,
med soft; yel plas.

	PID	EC
H-11N	5.2	1.36
H-11E	3.9	0.98
H-11R	5.9	0.85
H-11S	3.5	0.94

- Cory Hunter

Hemming Management
Cory Hunter

11/19/21
0526033

- 1030 Diversified (DECS) on site
to pick up UTV
- 1045 Cleaning up site. Put soils
in drum
- 1100 Walker Hill loading rig
- 1145 Off site. Cory Hunter to
drop off samples w/ Element,
Waypoint, & Ardaman & Assoc.

* Samples collected for TPH
fractions collected in Terracore
sample kits and placed on
ice.

~~Cory Hunter
11/19/21~~

Kenneth

Henning Management

11/29/21

Cory Hunter

0526033

sunny, 61/66° F

1030 - Cory Hunter

- Jake Roberson ↘

ERM on site for drilling
oversight / soil sampling

Walker Hill on site for drilling:

- Blake Sistruck

- Cecil Parker

ICON on sight for split sampling

- Chase

1100 Diversified (DEPS) on site to
drop off UTV

1110 Jake calibrates PID

- Mini Rae Lite, w/ 100 ppm

isobutylene cal gas

Check EC probe calibration

using 1413 MS solution

1130 Tailgate Safety meeting.

Discuss today's work.

1145 Start drilling/logging MW-7:

- direct push geoprobe

- 2.25" dual tube rods

- acetate sample liners

Cory Hunter

Henning Management

11/29/21²¹

Cory Hunter

0526033

1255 MW-7 (4-6) sample collected

1300 MW-7 (6-8) sample collected

1305 MW-7 (8-10) sample collected

1310 MW-7 (12-14) sample collected

1415 MW-7 (38-40) sample collected

1420 MW-7 (32-34) sample collected

1425 MW-7 (16-18') Sample collected

↳ Quart Ziploc Bags

1500 Walker Hill going back in

MW-7 pilot hole w/

3.25" barrels to set well

1630 MW-7 well set:

- TD = 44 ft bgs

- screen = 34-44 ft

1" PVC Pre-Pack

- Sand @ 32 ft

- bentonite @ 29 ft

1700 Clean up

off site.

Cory Hunter
11/29/21

Henning Management

11/30/21

Cory Hunter

0526033

Mostly sunny, 41/70°

- 700 ERM on site for drilling oversight & soil sampling:
- Cory Hunter
 - Jake Roberson
- Walker Hill on site for drilling:
- Blake Sistructe
 - ~~Jake~~ Cecil Parker
- ICON on site for split sampling:
- Chase
- 715 Tailgate safety meeting.
Discuss today's work.
- 730 Walker Hill grouting well MW-7.
Decoring barrels. ERM check water level + total depth
- 830 Begin drilling/logging MW-5
- 1200 Barrels getting stuck by very stiff clay @ 44 ft bgs. Walker Hill to pull barrels and reinsert in order to try and clear the hole.
- 1210 Break for lunch first

Cory Hunter

Henning Management

11/30/21²³

Cory Hunter

0526033

- 1240 Return from lunch. Attempt to continue drilling MW-5
- 1400 Clay encountered 50-60'. No water bearing zone @ this depth. Spoke to Shawn Wiggins, PM @ ERM, decided to set well MW-5 @ 30-35 ft in shallower, silty gw zone
- 1430 Go back in w/ 3.25" barrels to depth for 1" well
- 1545 3.25" barrels hit refusal @ -29 ft bgs. Clay is too thick. Walker Hill will continue w/ 2.25" barrels and set 3/4" PVC instead
- 1640 MW-5 well set:
- TD - 35 ft bgs
 - Screen = 30-35 ft 3/4" PVC Pre-packed
 - Sand @ 28 ft bgs
 - bentonite @ 25 ft bgs
- 1650 Off site. End daily activities

Cory Hunter

11/30/21

Henning Management

12/1/21

Cory Hunter

0526033

Mostly sunny, 50/75°

700 ERM on site for drilling oversight and soil sampling

- Cory Hunter

- Jake Roberson

Walker Hill on site for drilling:

- Blake Siotrunk

- Cecil Parker

ICON on site for split sampling:

- Chase

715 Tailgate Safety Meeting
Discuss today's work.740 Walker Hill grouts well
MW-5. ERM gauged well
& check total depths815 Bump check PID - Minirat Lite
w/ 100 ppm isobutylene cal gas830 Set up & begin drilling/logging
MW-1

- direct push Geoprobe

7822 DT

- 2.25" barrel w/ dual tube
& acetate sample liner

Cory Hunter

Henning Management

12/1/21⁷⁵

Cory Hunter

0526033

945 MW-1 (0-2') sample collected

950 MW-1 (4-6') sample collected

1450 MW-1 (58-60') sample collected

1455 MW-1 (48-50') sample collected

1500 MW-1 (8-10') sample collected

1505 MW-1 (20-22') sample collected

* high PID readings initially obtained
from 0-20 ft intervals (up to 199 ppm)
PID was behaving strangely.Took a break for lunch and
continued taking PID readings
from 20-60 ft. All readings
less than 10 ppm. Re-dip
PID readings for 0-20 ft
intervals. All reading below
2 ppm. No odor from bags or
visible staining1515 Spoke to Shawn Wiggins Will
set MW-1 @ 60 ft across
silty zone. No wet zone observed
from 30-40 ft bgs

Cory Hunter

Henning Management

0526033

12/1/21

Cory Hunter

1630 MW-1 well set:

- TD = 60 ft logs
- Screen = 50-60' 3/4" PVC pie-pack

- sand @ 48 ft
- bentonite @ 45 ft

1645 Clean up. Off site.

Cory Hunter
12/1/21

Henning Management

0526033

12/2/21

Cory Hunter

Partly cloudy, 54/75°F

700 ERM on site for drilling oversight and soil sampling:

- Cory Hunter
- Jake Roberson

Walker Hill on site for drilling:

- Blake Sistrunk
- Cecil Parker

ICON on site for split sampling:

- Chase

715 Tailgate safety meeting.
Discuss today's work745 Walker Hill grouting well
MW-1. ERM gauges well
& check total depth
Decon drilling barrels900 set up and begin drilling
MW-9

1350 MW-9 (0-2') sample collected

1355 MW-9 (4-6') sample collected

1400 MW-9 (8-10') sample collected

1405 MW-9 (12-14') sample collected

1410 MW-9 (14-16') sample collected

1415 MW-9 (20-22') sample collected

Cory Hunter

Roberson

Henning Management 12/2/21
0526033 Cory Hunter

1400 Spoke w/ Shawn Wiggins,
will set well MW-9D
in deeper silt/sandy zone
@ 50 ft bgs and then
step over and set nested
well in upper zone @
36 ft (MW-9) to see if
it produces water

1515 MW-9D well set:

- TD = 50 ft bgs
- Screen = 40-50 ft 3/4" PVC
Pre-packed
- sand @ 38 ft
- bentonite @ 35 ft

* meant to set well w/ 5 ft
Screen - 45-50 ft. Accidentally
set 10 ft screen

1520 Drill co-located hole for shallow
well

1625 MW-9 well set:

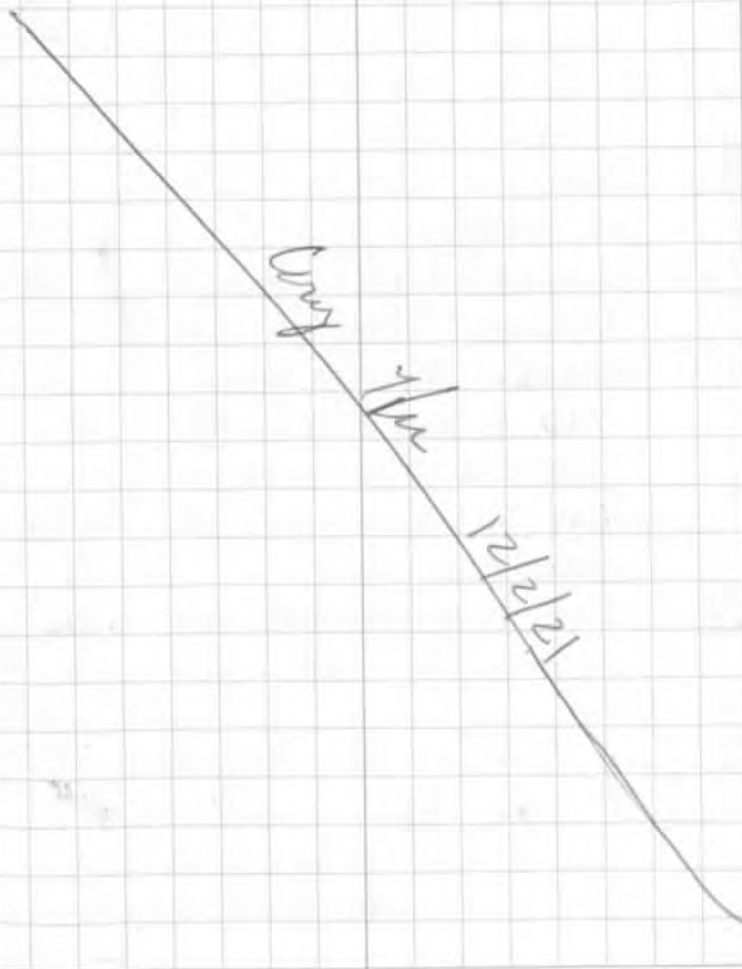
- TD = 36 ft bgs
- Screen = 31-36 ft 3/4" PVC
Pre-packed
- sand @ ~~29~~ 29 ft
- bentonite @ 26 ft

— Cory Hunter —

Henning Management 12/2/21
0526033 Cory Hunter

1630 Scout locations & meeting
place for tomorrow's
borings

1645 Clean up. Off site.



Henning Management 12/3/21
Cory Hunter 0526033

Mostly cloudy, 55/75°

- 700 ERM on site for drilling oversight & soil sampling:
- Cory Hunter
- Jake Roberson
Walker Hill on site for drilling:
- Blake Sistrunk
- Cecil Parker
ICON on site for split sampling
- Katie
- 715 Tailgate safety meeting.
Discuss today's work.
- 800 Walker Hill grouting wells MW-9 and MW-9D
- tremie pipe method
ERM gauges wells & checks total depth
- 845 Move over & start drilling/logging H-18R
- 1035 H-18R (26-28') collected
1040 H-18R (18-20') collected
- getting additional co-located 0-4' cores for sample volume

Cory Hunter

Henning Mgmt
Cory Hunter

12/3/21

0526033

- 1055 H-18R (0-4') collected
1105 H-18R (0-1') collected
1110 H-18R (1-2') collected
1115 H-18R (2-3') collected

1120 Begin drilling/logging
H-18NW

- 1215 H-18NW (0-2') collected
1220 H-18NW (4-6') collected
1225 H-18NW (8-10') collected
1230 H-18NW (14-16') collected
1235 H-18NW (16-18') collected
1240 H-18NW (22-24') collected

↳ samples collected in quart size Ziploc freezer bags

* PID still not functioning properly.
Reading > 2,000 ppm on sharpie cap. No PID readings taken on H-18R or H-18NW

1300 Loading up rig & equipment
1330 Off site.

Cory Hunter

Hemming Management
Cory Hunter

12/7/21
0526033

Overcast, 46/55

745 ERM on site for drilling
oversite & soil sampling

- Cory Hunter
- Marcus Smith

Walker Hill on site for drilling

- Blake Sistrunk
- Cecil Parker

ICON on site for split sampling:

- Chase

800 Tailgate safety meeting. Discuss
today's work

830 Set up and begin drilling/logging
MW-11

- 7822 DT Geoprobe Direct
Push rig
- 2.25" dual tube w/
acetate liners

1045 Drilling hit resistance @
44 ft bgs. Had to pull
out barrels and go back in

1130 Drilled to 52 ft bgs. Will leave
rods in the ground & wait until
larger rig arrives to set well.

Cory Hunter

Hemming Management

12/7/21^{PM}

Cory Hunter

0526033

1200 MW-11 (0-2') collected

1205 MW-11 (4-6') collected

1210 MW-11 (8-10') collected

1215 MW-11 (10-12') collected

1220 MW-11 (20-22') collected

↳ Ziploc freezer bags (quart)

1225 Break for lunch

1245 Return from lunch.

Mike Pardon on site for
site visit (partner @ ERM)

1315 Shawn Wiggins on site
for ERM

1415 Begin drilling/logging
H-17SW

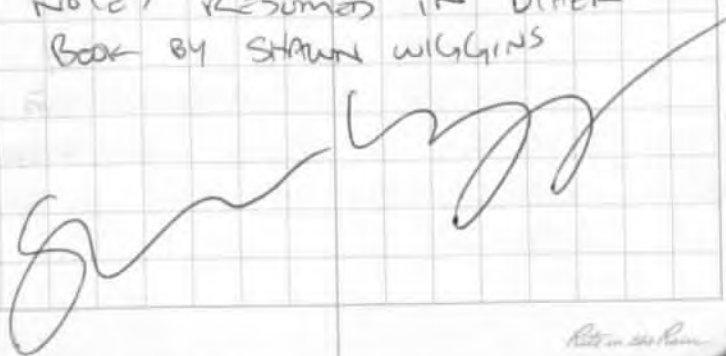
1500 H-17SW (4-6') collected

1505 H-17SW (8-10') collected

1510 H-17SW (10-12') collected

1515 CORN OFF SITE - FIELD

NOTES RESUMED IN OTHER
BOOK BY SHAWN WIGGINS



Location Winery Management Date 12/7/21
 Project / Client Hayes Field

Calvin & Jeff Davis Parish 0526033

- 1515 I arrive at site. Shawn,
 Corey, Mike, Rendon & Mary
 are here. WHE & Chris Lead
 1530 Mike Rendon & I taking
 y where to look at west
 end of property.
 1540 D = 1 at Mills looking west,
 pond in background.
 1549 D = 2 at H-12R looking S.
 1550 D = 3 at H-12 - 2 looking
 west of property line. ²⁰⁰
 1555 D = 4 of MW-1 looking south
 D = 5 looking north from
 MW-1
 1600 D = 6 of MW-4 looking north
 D = 7 looking S from MW-4.
 1613 Back at Staging area.
 1640 leaving site.

200 J. R.

12/7/21

Location HAYES, LA

Date 12/7/21

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

- 1345 ARRIVE ON SITE
- 1350 CONDUCT SAFETY MEETING,
DISCUSS PROJECT STATUS
w/ FIELD TEAM (ROY HUNTER
& MARCUS SMITH) AND
MIKE PURDOM
- WHE (BLAKE & CECIL) ON SITE
 - Ikon (CHASE JOUBERT) ON SITE
- 1405 BELOW SITE TOWEL w/
MIKE PURDOM
- 1410 ARRIVE AT H-24 & H-28 AREA
- 1417 DRIVE BY AND LOOK AT H-5 & H-6
- 1420 H-4 AREA & H-3 AREA
- 1430 H-32, H-33, H-34 AREA
- 1450 H-24, H-25, H-26 AREA
- 1500 BACK AT TRUCKS
- 1505 WALKER HILL ARRIVE w/
GEORGE 3230 DT
- WAYNA COOK
 - JIMMY THORNHILL
- 1510 DAVE ANGLE ON SITE

Location HAYES, LA

Date 12/7/21 121

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

- 1515 COPY OFF SITE - I WILL
TAKE OVER
- 1525 CONDUCT SAFETY MEETING
w/ WAYNA
- BLAKE & JIMMY GROUTING
MW-17 BORING, PROBING, SINK
PILE OUT
- 1535 MIKE AND DAVE CONTINUE
THEIR SITE VISIT
- CONDUCT SAFETY MEETING
w/ JIMMY
 - WAYNA & CECIL WORKING
ON MW-11 WELL INSTALLATION
- 1550 PID ~~WAS~~ ^{SAW} H-17SW SOILS
- 0-2' PID MAY NOT BE REACHING
EQUILIBRIUM AT 0 - SITTING
@ 2.3 IN AMBIENT AIR
AFTER READING,
 - LOOKING BETTER @ 2-4'
- 1610 MIKE AND DAVE BACK
AT TRUCKS
- 1630 MIKE PURDOM OFF SITE
- 1640 DAVE ANGLE OFF SITE

Location HAYES, LADate 12/17/21Project / Client HENNING MANAGEMENT 0526033SHAWN WILGINS

1655 MW-11 well SET
 3/4" DIAMETER HOSE
 SCREENED 1" PROBAK PVC
 29-34'

SAND TO 27'

BENTONITE TO 24' (HYDRATED)

1700 MARCUS OFF SITE

- CHASE OFF SITE

- WALKER HILL OFF SITE

1705 LEAVE SITE

HAYES, LADate 12/18/21Project / Client HENNING MANAGEMENT 0526033SHAWN WILGINS

0655 ARRIVE ON SITE

- WALKER HILL ON SITE (SIMMY PUMPA)

0710 CHASE SOUBERT (ICON) ON SITE

0715 BLAKE AND COUL (WHE) ON SITE

- SAFETY MEETING CONDUCTED

0720 GETTING SET UP

0744 PHOTO ① OF WALKER HILL TRAILS
 GRADING MW-11.

0750 COMPLETE GRADING MW-11

- WILL MOB TO BLOWOUT AREA

0805 TRANSFER YESTERDAY'S SOIL

CUTTINGS TO DRUM

0839 PHOTO ② PLY SET UP AT MW-4

LOCATION, BLAKE (WHE) CLEARING

LOCATION W/ HAND PROBE

0855 BELVIN BORLIND MW-4

- WILL PROCESS CORES BACK

AT TRUCK

0942 PHOTO ③ MW-4 0-2' SOIL CORE

0950 PHOTO ④ MW-4 2-6' SOIL CORE

0958 PHOTO ⑤ MW-4 6-10' SOIL CORE

1006 PHOTO ⑥ MW-4 10-14' SOIL CORE

1015 PHOTO ⑦ MW-4 14-18' SOIL CORE

Location HAYES, LADate 12/8/21Project / Client HENNINGS MANAGEMENT 0526033SHAWN WILGINS

1026 PHOTO (8) MW-4 18-22' SOIL CORES
 - FORGOT TO NOTE - JAKE ROBERTSON
 (ERM) ON SITE AT 0945,
 SAFETY MEETING CONDUCTED

1030 CAUGHT UP LOGGING CORES,
 CHECK W/ DRILLERS

1040 PHOTO (9) MW-4 22-26' SOIL CORES

1049 PHOTO (10) MW-4 26-30' SOIL CORES

1056 PHOTO (11) MW-4 30-34' SOIL CORES

1108 PHOTO (12) MW-4 34-38' SOIL CORES

1125 PHOTO (13) MW-4 38-42' SOIL CORES

1220 DRILLERS AT 42', WE WILL
 BREAK FOR LUNCH, THEN LOG
 CORES

1252 PHOTO (14) MW-4 42-46' SOIL CORES

1301 PHOTO (15) MW-4 46-50' SOIL CORES

1309 PHOTO (16) MW-4 ~~46~~ 50-54' SOIL CORES

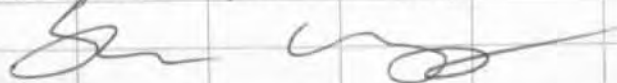
1314 PHOTO (17) MW-4 54-58' SOIL CORES

1318 PHOTO (18) MW-4 58-62' SOIL CORES

1335 WIFE WILL SET WELL, TARGETING
 42-52'

- RUN PIDS

1355 FINISH RUNNING PIDS


HAYES, LADate 12/8/21Project / Client HENNINGS MANAGEMENT 0526033SHAWN WILGINS

1356 PHOTO (19) MW-4 SOIL CORES,
 0-62', TOP OF PHOTO IS SHALLOWER,
 DEEPER TOWARDS BOTTOM,
 TOP OF EACH CORE IS TO THE LEFT

1400 COLLECT MW-4 0-2'

1405 COLLECT MW-4 4-6'

1410 COLLECT MW-4 16-18'

1415 COLLECT MW-4 40-42'

1420 COLLECT MW-4 48-50'

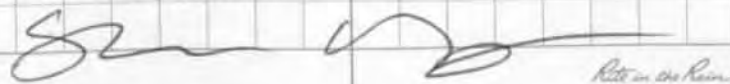
1425 COLLECT MW-4 58-60'

1446 PHOTO (20) WIFE BRIVING
 3/4" BARRAS W/ POINT TO
 INSTALL MW-4 WELL

1505 MW-4 WELL SET
 - 1" PREPACK PVC SCREEN
 42-52'

- SAND 40'-52'
 - BENTONITE 37-40'

1515 WIFE DOING HOUSEKEEPING/PREPPING
 TO MOVE TO MW-3
 - JAKE AND I HEAD TO
 DRUMS TO TRANSFER SOIL
 CONTAINERS



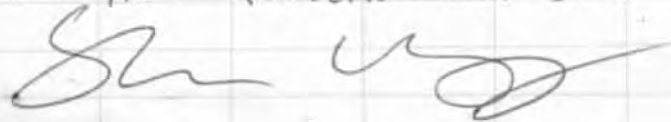
Location HAYES, LA

Date 12/8/21

Project / Client HENNING MANAGEMENT 0526053

Shawn Wilkins

- 1525 SOIL CUTTINGS TRANSFERRED TO DRUM
- 1526 PHOTO (21) & (22) DRUM THAT WAS USED FOR TARGET PRACTICE - STILL NEED TO TRANSFER SOIL TO NEW DRUM
- 1549 PHOTO (23) OF RIG AT MW-3 LOCATION
- 1558 BELIND BEHIND MW-3
- 1620 AT 22' - RETURNING TO TRUCKS TO LOG
- 1631 PHOTO (24) MW-3 0-2' SOIL CORE
- 1634 PHOTO (25) MW-3 2-6' SOIL CORE
- 1639 PHOTO (26) MW-3 6-10' SOIL CORE
- 1647 PHOTO (27) MW-3 10-14' SOIL CORE
- 1653 PHOTO (28) MW-3 14-18' SOIL CORE
- 1659 PHOTO (29) MW-3 18-22' SOIL CORE
- 1705 WHE OFF SITE
- RUN RIGS
- 1710 CORRECT MW-3 0-2'
- 1715 CORRECT MW-3 4-6'
- 1720 CORRECT MW-3 14-16'
- 1730 ALL PERSONNEL OFF SITE



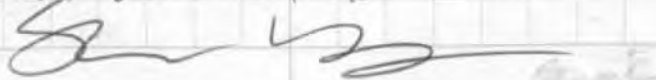
Location HAYES, LA

Date 12/9/21 127

Project / Client HENNING MANAGEMENT 0526053

Shawn Wilkins

- 0700 ARRIVE ON SITE
- WALKER HILL ON SITE
- JIMMY THORNHILL
- WYNAYA COOK
- CELIL PARKER
- 0705 CHASE JOUBERT (Icon) ON SITE
- CONDUCT SAFETY MEETING
- 0710 WHE PREPARING TO GREAT MW-4
- YESTERDAY BEFORE LEAVING -
WALKER HILL TRANSFERRED SOIL CUTTINGS FROM DRUM THAT WAS SHOT TO NEW DRUM
- 0746 PHOTO (30) WALKER HILL
TROMMIE GROOVING MW-4 TO GRAND SURFACE
- 0750 GETTING MORE WATER TO MIX GREAT
- 0805 COMPLETE CAPTURING MW-4 (MOBILE GREAT)
- INTERMITTENT LIGHT TO HEAVY RAIN, WAITING A BIT FOR IT TO PASS
- 0830 CHECK ACCESS TO Icon's H-23 WELL. VERY HEAVY VEGETATION, BUT EVENTUALLY GOT TO WELL



Location HAYES, LA

Date 12/9/21

Project / Client HENNING MANAGEMENT 0526053

Situation WILGINS

0840 CHECK MW-4 - WATER IS IN WELL, BUT DO NOT TAKE WATER LEVEL MEASUREMENT - WALKER HILL HAS RESUMED MW-3 BORING

0930 TAKE out stick

0935 PHOTO (31) MW-3 22-26' SOIL CORE

0942 PHOTO (32) MW-3 26-30' SOIL CORE

0948 PHOTO (33) MW-3 30-34' SOIL CORE

0954 PHOTO (34) MW-3 34-38' SOIL CORE

1003 PHOTO (35) MW-3 38-42' SOIL CORE

1050 PHOTO (36) MW-3 42-46' SOIL CORE

1055 PHOTO (37) MW-3 46-50' SOIL CORE

1102 PHOTO (38) MW-3 50-54' SOIL CORE

1119 PHOTO (39) MW-3 54-58' SOIL CORE

1123 PHOTO (40) MW-3 58-62' SOIL CORE

1145 WHE WILL GRout MW-3 BORING, STOP OVER, AND PUSH POINT TO INSTALL WELL

1200 PHOTO (41) MW-3 SOIL CORES 0-62', 0' AT TOP OF PHOTO, TOP OF EACH CORE IS TO THE LEFT

1210 PID IS BEHAVING STRANGELY, READING ~600 PPM IN AMBIENT AIR

HAYES, LA

Date 12/9/21

Project / Client HENNING MANAGEMENT 0526053

Situation WILGINS

1230 PID IS NOW READING 0.1 PPM IN AMBIENT AIR, PERFORMED PUMP TEST w/ WHITEBOARD MARKER AND APPEARS TO BE WORKING PROPERLY

1240 PID IS ACTING UP AGAIN, WILL CONTACT ENVIROREPOT

1245 COLLECT MW-3 30-32'

1250 COLLECT MW-3 48-50'

1255 COLLECT MW-3 58-60'

1340 MW-3 WELL SET

- 1" PVC SCREEN PROPACK 34-39'

- SAND 32-39'

- BENTONITE ~~32-39'~~ 29-32'

1410 MW-3 SOIL BORING GRouted TO GROUND SURFACE w/ TRENCH PIPES

- ALLOWING BENTONITE TO HARDEN AT WELL, WILL GRout WELLS TOMORROW

1432 PHOTO (42) OF WALKER HILL SETTING UP AT MW-3 LOCATION

Location HAYES, LA

Date 12/9/21

Project / Client HENONIN MANAGEMENT 0526053

SHAWNEE WILDLIFES

- 1439 BEGIN BORING MW-2
 1459 HEAD BACK TO TRUCKS TO
 BEGIN LOGGING
- 1507 PHOTO (43) MW-2 0-2' SOIL CORE
 1512 PHOTO (44) MW-2 2-6' SOIL CORE
 1516 PHOTO (45) MW-2 6-10' SOIL CORE
 1522 PHOTO (46) MW-2 10-14' SOIL CORE
 1529 PHOTO (47) MW-2 14-18' SOIL CORE
 1536 PHOTO (48) MW-2 18-22' SOIL CORE
 1541 PHOTO (49) MW-2 22-26' SOIL CORE
 1548 PHOTO (50) MW-2 26-30' SOIL CORE
 1554 PHOTO (51) MW-2 30-34' SOIL CORE
 1600 PHOTO (52) MW-2 34-38' SOIL CORE
 1611 PHOTO (53) MW-2 38-42' SOIL CORE
 1620 COLLECT MW-2 0-2'
 1625 COLLECT MW-2 4-6'
 1630 COLLECT MW-2 12-14'
 1635 COLLECT MW-2 32-34' - WILL
 DETERMINE AFTER LOGGING ENTIRE
 BORING IF WE WILL RUN
- WALKER HILL OFF-SITE
 - DID NOT GET PID WORKING
 PROPERLY - NO PID READINGS TODAY
- 1650 ALL PERSONAL OFF SITE
 SH

HAYES, LA

Date 12/10/21

Project / Client HENONIN MANAGEMENT 0526053

SHAWNEE WILDLIFES

- 0655 ARRIVE ON SITE
 - CHASE JOUBERT (ICM) ON SITE
 - CELIL PARKER AND WYNIA COOK
 ON SITE (WALKER HILL)
- 0700 CONDUCT SAFETY MEETING
 - JAKE ROBERTSON ON SITE
- 0705 WILL RESUME BORING MW-2
 0715 CHECK MW-3 WELL - WATER
 IN WELL, BUT DO NOT TAKE
 LEVEL READINGS
- 0805 BACK AT TRUCKS TO BEGIN LOGGING
 0812 PHOTO (54) MW-2 42-46' SOIL CORE
 0821 PHOTO (55) MW-2 46-50' SOIL CORE
 0833 PHOTO (56) MW-2 50-54' SOIL CORE
 0844 PHOTO (57) MW-2 54-58' SOIL CORE
 0854 PHOTO (58) MW-2 58-62' SOIL CORE
- 0900 WALKER HILL WILL SET WELL,
 TARGETING 48-58'
 - PID NOT WORKING PROPERLY, NO
 PID READINGS TODAY
- 0905 COLLECT MW-2 42-44'
 0910 COLLECT MW-2 48-50'
 0915 COLLECT MW-2 58-60'
- SH

Location HAYES, LA

Date 12/13/21

Project / Client HENNING MANAGEMENT 0526033

SHAWN WIGGINS

0945 ARRIVE ON SITE

- WALKER HILL ON SITE

- JIMMY THORNHILL

- CECIL PARKER

- WANDA COOK

- ICOM ON SITE

- CHASE JOYBERT

0950 SAFETY MEETING CONDUCTED

- BEGIN MOBILING RIG & UTVs

TO WORK AREA

1012 PHOTO (61) RIG CLEARING

VEGETATION AT MW-10 LOCATION

1015 CHRIS PEREZ (EPM) ON SITE

- CONDUCT SAFETY MEETING

1030 BEGIN BORING MW-10

1115 BACK AT TRUCKS TO BEGIN

LOGGING CORES

1117 PHOTO (62) MW-10 0-2' SOIL CORE

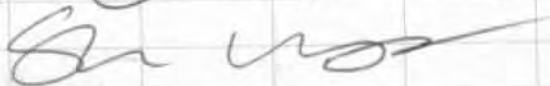
1124 PHOTO (63) MW-10 2-6' SOIL CORE

1129 PHOTO (64) MW-10 6-10' SOIL CORE

1134 PHOTO (65) MW-10 10-14' SOIL CORE

1143 PHOTO (66) MW-10 14-18' SOIL CORE

1151 PHOTO (67) MW-10 18-22' SOIL CORE



Location HAYES, LA

Date 12/13/21

Project / Client HENNING MANAGEMENT 0526033

SHAWN WIGGINS

1159 PHOTO (68) MW-10 22-26' SOIL CORE

1207 PHOTO (69) MW-10 26-30' SOIL CORE

1213 PHOTO (70) MW-10 30-34' SOIL CORE

1219 PHOTO (71) MW-10 34-38' SOIL CORE

1227 PHOTO (72) MW-10 38-42' SOIL CORE

1232 PHOTO (73) MW-10 42-46' SOIL CORE

1246 PHOTO (74) MW-10 46-50' SOIL CORE

1252 PHOTO (75) MW-10 50-52' SOIL CORE

1300 WALKER HILL WILL SET WALL,

TARGETING 42-52'

- BEGIN RUNNING PIDS

1314 PHOTO (76) MW-10 SOIL CORES 0-52',

0' IS AT TOP, TD OF EACH CORE

TO THE RIGHT

1325 WALKER HILL DOES NOT HAVE

1" PREPARED SCREENS, WILL

PULL BARRIERS TO 40' AND

SET WALL TOMORROW

- JIMMY LEAVING TO PICK UP

1" SCREENS

1330 COLLECT MW-10 0-2'

1335 COLLECT MW-10 4-6'

1340 COLLECT MW-10 8-10'



Location HAYES, LA

Date 12/13/21

Project / Client HERONIA MANAGEMENT 0526033

SHAWN WILGINS

- 1345 COLLECT MW-10 10-12'
- 1350 COLLECT MW-10 12-14'
- 1355 COLLECT MW-10 16-18'
- 1420 PHOTO (77) OF RIG SET UP AT H-1SE
- 1426 BEGIN BORING H-1SE
- 1451 PHOTO (78) H-1SE 0-2' SOIL CORE
- 1456 PHOTO (79) H-1SE 2-6' SOIL CORE
- 1502 PHOTO (80) H-1SE 6-10' SOIL CORE
- 1508 PHOTO (81) H-1SE 10-14' SOIL CORE
- 1514 PHOTO (82) H-1SE 14-18' SOIL CORE
- 1520 PHOTO (83) H-1SE 18-22' SOIL CORE
- 1523 PHOTO (84) H-1SE SOIL CORES 0-22', TOP OF BORING AT TOP OF PHOTO, TOP OF EACH CORE TO RIGHT
- 1525 WATE PUSHED ANOTHER 0-2' INTERVAL FOR ADDITIONAL SAMPLE VOLUMES
- 1530 COLLECT H-1SE 0-2'
- 1535 COLLECT H-1SE 4-6'
- 1540 COLLECT H-1SE 8-10'
- 1545 COLLECT H-1SE 14-16'
- 1550 WILL HAND AUGER H-1R AND H-1E, THEN PROCESS SOIL AT TRUCKS

HAYES, LA

Date 12/13/21

Project / Client HERONIA MANAGEMENT 0526033

SHAWN WILGINS

- 1555 BEGIN HAND AUGERING H-1R
- 1557 PHOTO (85) OF HAND AUGERING H-1R
- 1600 COMPLETE HAND AUGERING H-1R TO 2'
- 1603 BEGIN HAND AUGERING H-1E
- 1605 PHOTO (86) OF HAND AUGERING H-1E
- 1610 COMPLETE HAND AUGERING H-1E
- 1614 PHOTO (87) OF H-1R SOIL CUTTINGS 0-2' H-1R.
- 0-2': SILTY CLAY, DARK REDDISH BROWN (5YR 3/2), MOIST, MEDIUM STIFF, NO USDR.
- MINOR SHELLS & ROOTLETS
- EC: 2.16 PID: 0.1
- 1620 COLLECT H-1R 0-2'
- 1623 PHOTO (88) H-1E 0-2' SOIL CUTTINGS H-1E:
- 0-2': CLAY, VERY DARK BROWN (7.5YR 2.5/2), MOIST, MED. SOFT, NO USDR, HIGH PLASTICITY, ROOTLETS
- EC: 0.63 PID: 0.0
- 1625 COLLECT H-1E 0-2'
- 1635 WALKER HILL BACK-FILLING H-1R & H-1E w/ SOIL CUTTINGS - H-1SE GROUTED TO GROUND SURFACE

Location HAYES, LA

Date 12/13/21

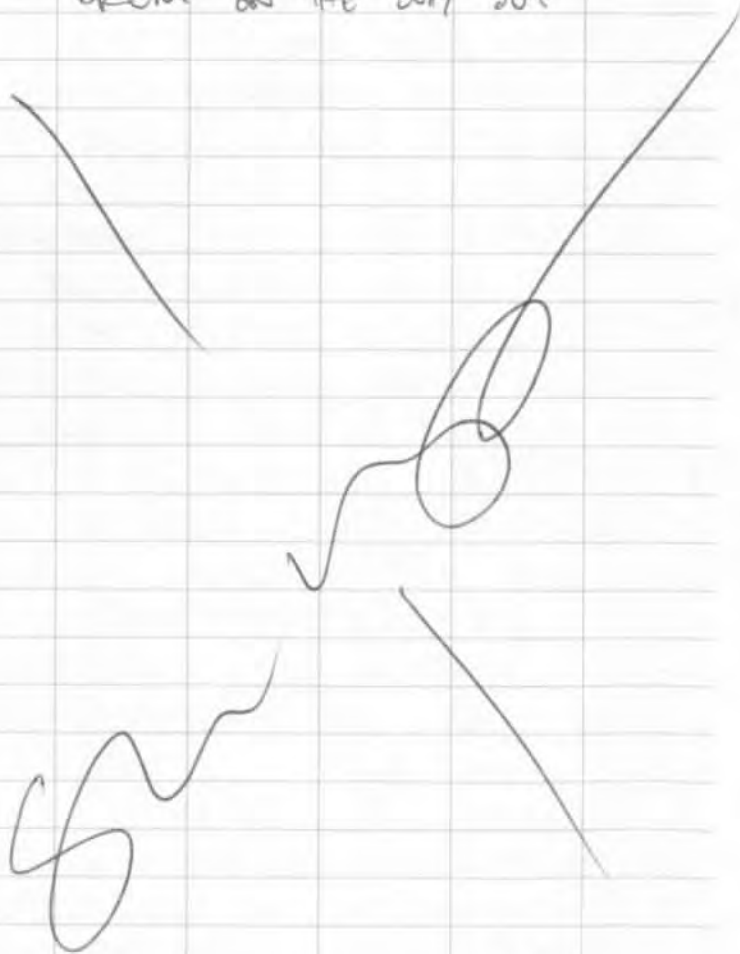
Project / Client HENNING MANAGEMENT 0526033

Shaun McGlins

1635 CHASE OFF SITE

1645 ALL PERSONNEL OFF SITE

- TRANSFER SOIL CONTAINERS TO DRUM ON THE WAY OUT



Location HAYES, LA

Date 12/14/21

Project / Client HENNING MANAGEMENT 0526033

Shaun McGlins

CLASS ARRIVE ON SITE

- CHRIS PEREZ (EPM) ON SITE
- WALKER HILL ON SITE
- JIMMY THORNHILL
- WANDA COOK
- CECIL PARKER

0700 SAFETY MEETING CONDUCTED

0705 WALKER HILL GETTING SET UP,

THEN WILL SET WELL MW-10

0710 CHASE JOUBERT (ICM) ON SITE

0835 WALKER HILL STRUGGLING WITH

WELL GETTING LOCKED IN SANDS

AND PULLING UP WITH BARRIERS,

BUT ULTIMATELY WAS ABLE

TO SET WELL @ AZ-52'

- ADDED 15 GALLONS POTABLE WATER

0845 MW-10 IS SET

- 1" PROPAK PVC SCREEN AZ-52'

- SAND 40-52'

- BENTONITE 37-40'

- WILL ~~LET~~ BENTONITE HYDRATE

0900 PHOTO (89) RIG SET UP @ MW-8

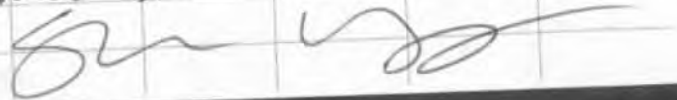
Location HAYES, LA

Date 12/14/21

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

- 0910 BEGIN BORING MW-8, WILL
LOG SOILS BACK AT TRUCK
- 0923 PHOTO (90) MW-8 0-2' SOIL CORES
- 0931 PHOTO (91) MW-8 2-6' SOIL CORES
- 0936 PHOTO (92) MW-8 6-10' SOIL CORES
- 0942 PHOTO (93) MW-8 10-14' SOIL CORES
- 0953 PHOTO (94) MW-8 14-18' SOIL CORES
- 1000 PHOTO (95) MW-8 18-22' SOIL CORES
- 1007 PHOTO (96) MW-8 22-26' SOIL CORES
- 1012 PHOTO (97) MW-8 26-30' SOIL CORES
- 1017 PHOTO (98) MW-8 30-34' SOIL CORES
- 1025 PHOTO (99) MW-8 34-38' SOIL CORES
- 1030 EXHAUSTIVE COCO (WAYPOINT) ON SITES
TO PICK UP SOIL SAMPLES AND
DROP OFF WATER CONTAINERS
- 1038 PHOTO (100) WAYPOINT COC
- 1042 PHOTO (101) MW-8 38-42' SOIL CORES
- 1047 PHOTO (102) MW-8 42-46' SOIL CORES
- 1057 PHOTO (103) MW-8 46-50' SOIL CORES
- 1110 COLLECT MW-8 50-52' FOR GEOTECH
ANALYSIS, SEALED IN UNDRONE PLASTIC LINER
- 1114 PHOTO (104) MW-8 50-54' SOIL CORES;
50-52' SEALED FOR GEOTECH ANALYSIS



Location HAYES, LA

Date 12/14/21 141

Project / Client HENNING MANAGEMENT 0526033

SHAWN WILGINS

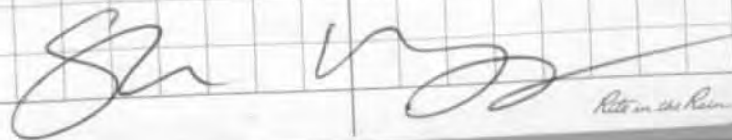
- 1120 WALKER HILL WELL SET WITH MW-8
TARGETING 45-50'
- 1125 COLLECT MW-8 0-2'
- 1130 COLLECT MW-8 4-6'
- 1135 COLLECT MW-8 8-10'
- 1140 COLLECT MW-8 14-16'
- 1145 COLLECT MW-8 20-22'

- 1128 PHOTO (105) MW-8 0-54' CORES,
0' AT TOP, TOP OF EACH CORE
TO THE LEFT

- 1220 WELL MW-8 SET
- 1" PREPARE PVC @ 45-50'
- SAND 43-50'
- BENTONITE 40-43'
- WILL LET BENTONITE HYDRATE
BEFORE CAPTURING

1230 LUNCH

- 1305 PREP FOR HAND AUGURING
LAST FOUR LOCATIONS
- WILL HAND AUGUR, THEN PROCESS
SOILS AT TRUCK



Shawn Wilgins

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Location HAYES, LA Date 12/14/21Project / Client HERRING MANAGEMENT 0526033Shawn Miggins

- 1317 BEGIN HAND AUGERING H-19NE
 1318 PHOTO (106) HAND AUGERING H-19NE
 1323 COMPLETE HAND AUGERING H-19NE
 1325 BEGINNING HAND AUGER - WILL DRILL
 BETWEEN EACH SAMPLE LOCATION
 1327 BEGIN HAND AUGERING H-19R
 1330 PHOTO (107) TRANSFERRING SOIL CUTTINGS
 TO UNSCENTED TRASH BAG IN
 5 GALLON BUCKET
 1331 COMPLETE HAND AUGERING H-19R
 1334 BEGIN HAND AUGERING H-19SW
 - PHOTO (108) HAND AUGERING H-19SW
 1339 COMPLETE HAND AUGERING H-19SW
 1344 BEGIN HAND AUGERING H-18SW
 - PHOTO (109) HAND AUGERING H-18SW
 1349 COMPLETE HAND AUGERING H-18SW
 1351 BACK AT TRUCKS TO PROCESS
 SOILS
 1353 PHOTO (110) H-19NE 0-2' SOIL CUTTINGS
 H-19NE 0-2':
 SILTY CLAY, VERY DARK BROWN
 (10 YR 2/2), SLIGHTLY MOIST, MED STIFF,
 NO ODOR, MINOR ROOTLETS
 EC: 2.64 PID: 0.0

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Location HAYES, LA Date 12/14/21Project / Client HERRING MANAGEMENT 0526033Shawn Miggins

- 1400 COLLECT H-19NE 0-2'
 1400 PHOTO (111) H-19R 0-2' SOIL CUTTINGS
 H-19R 0-2':
 SILTY CLAY, VERY DARK BROWN
 (10 YR 2/2), MOIST, STIFF, NO ODOR,
 ROOTLETS
 EC: 0.91 PID: 0.0
 1405 COLLECT H-19R 0-2'
 1405 PHOTO (112) H-19SW 0-2' SOIL CUTTINGS
 H-19SW 0-2':
 SILTY CLAY, VERY DARK BROWN
 (10 YR 2/2), MOIST, MED. STIFF,
 NO ODOR, ROOTLETS
 EC: 1.22 PID: 0.0
 1410 COLLECT H-19SW 0-2'
 1410 PHOTO (113) H-18SW 0-2' SOIL CUTTINGS
 H-18SW 0-2':
 SILTY CLAY, VERY DARK BROWN
 (10 YR 2/2), MOIST, MED SOFT,
 NO ODOR, ROOTLETS
 EC: 1.11 PID: 0.0
 1415 COLLECT H-18SW 0-2'
 - WALKER HILL CUTTINGS ARE WORN
 STICKERS TO ~39"

Location HAYES, LA

Date 12/14/21

Project / Client HERRING MANAGEMENT 0526033

STAN WILGINS

1425 BACKFILL HAND AUGER BOREHOLE
w/ SOIL CUTTINGS1430 COMPLETE BACKFILLING, CLEAN
UP SOIL SAMPLING GEAR AND
PREP TO BEGIN GROUNDWATER

SAMPLING

1445 BEGIN SETTING UP TO SAMPLE
MW-111500 MW-11: DTW: 6.85 BTWC
TD: 30.70 BTWC

STICKUP: 3.28' AGS

1505 PHOTO (114) SAMPLING SETUP @ MW-11
- ALL RENTAL EQUIPMENT FROM ASMX
- PERISTALTIC PUMP → YSI FLOW THROUGH
CELL → TURBIDITY METER (HANN)

1506 PUMP ON

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1508	23.0	1.12	4.61	6.71	55.3	280	0

1511 RAISE/LOWER TUBING RELATIVELY TO
SURFACE/DEVELOP WELL

1514 22.8 1.05 4.65 6.75 -98.3 127 0.5

1518 22.7 1.19 4.66 6.75 -99.0 53.1 1.0

1521 BUBBLES IN TUBING, REDUCE FLOW RATE



Location HAYES, LA

Date 12/14/21

Project / Client HERRING MANAGEMENT 0526033

STAN WILGINS

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1526	23.2	1.16	4.67	6.74	-96.3	83.7	1.5
1527	WELL DRY, PUMP OFF TO RECHARGE						
1542	RESUME PUMPING AT LOWER FLOW RATES						
1550	23.0	0.60	4.76	6.72	-176.9	17.75	2.0
1557	23.0	0.65	4.78	6.73	-152.5	67.2	2.0
1600	WELL DRY, PUMP OFF, ~2.1 GAL						
1620	RESUME PUMPING						
1623	22.4	0.82	4.79	6.73	-151.7	62.6	2.25
1630	22.4	0.48	4.82	6.72	-179.7	23.5	2.5
- WALKER HILL OFF SITE							
1638	22.3	0.64	4.83	6.73	-152.6	235	2.75
1649	22.2	1.24	4.82	6.79	-123.4	33.7	3.0
1650	PUMP OFF						

- AIR IN TUBING CONTINUOUSLY WHILE SAMPLING, ON THE VERGE OF BUBBLY DRY AT VERY LOW FLOW RATES
- WILL SAMPLE TOMORROW
- WALKER HILL CUT ALL WELLS AT FINAL STICKUP HEIGHT, PLACED STEEL CAPS
- MW-10 AND MW-8 CAPTURED TO GROUND SURFACE



Location HAYES, LADate 12/14/21Project / Client Hazardous Waste Management 0526033SHAWNEE WILGINS

1655 1000 OFF SITE

1705 SOIL CUTTINGS TRANSFERRED
TO DRUM

1710 ALL PERSONNEL OFF SITE

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Common Field Data Error Codes

Error codes are used to explain common mistakes and are written above or close to the mistake.

Commonly used error codes include:

- RE Recording Error
- CE Calculation Error
- TE Transcription Error
- SE Spelling Error
- CL Changed for Clarity
- DC Original Sample Description
Changed After Further Evaluation
- WO Write Over
- NI Not Initialed and Dated at Time of Entry
- OB Not Recorded at the Time of Initial Observation

Note: Error code should be circled, dated, and initialed when recorded.

Hazard Classifications

- Class 1 Explosives
- Class 2 Gas
- Class 3 Flammable Liquid
- Class 4 Flammable Solids (Potential spontaneous combustion, or emission of flammable gases when in contact with water)
- Class 5 Oxidizing Substances and Organic Peroxides
- Class 6 Toxic (poisonous) and infectious substances
- Class 7 Radioactive material
- Class 8 Corrosives
- Class 9 Miscellaneous dangerous goods

Container type abbreviations (for sampling guidelines)

- BR - Boston Round • ABR - Amber Boston Round • AJ - Amber Jug • AWM - Amber Wide Mouth • Poly - Polyethylene Bottles • BOD - Bottle • CWM - Clear Wide Mouth

34 HEADINGS MANAGEMENT
0526033

12/15/21
SHAWN WILGINS

- 0705 ARRIVE ON SITE
0715 CHASE JOUBERT (CON) ON SITE
0720 MAYeux SURVEYING ON SITE
- BERNARD TRAPPY
- CODY BROUSSARD
0725 WALKER HILL ON SITE
- JIMMY THORNHILL
- LELL PARKER
- WANYA COOK
- CONDUCT SAFETY MEETING
0745 WALKER HILL WILL FINISH
SURFACE COMPLETIONS AND
MAYeux WILL CONDUCT SURVEY
WHILE WE SAMPLE GROUNDWATER
0800 BEGIN ~~SA~~ COLLECTING SAMPLES MW-11
0815 TURBIDITY: 13.9 NTU PRIOR TO
SAMPLING METALS
0848 MW-11 WAS DRY, WILL RETURN
TO FINISH SAMPLING
- 1/2 OF ERM RADIUM CONTAINER
AND AN ILOW RADIUM REMAINS
0900 LOAD UP UTU AND HEAD TO NEXT
WELL

Shawn Wilgins

HEADINGS MANAGEMENT
0526033

12/15/21
SHAWN WILGINS

- 0908 ARRIVE AT MW-7
0910: STICKUP: 3.5' AGS (1" well)
DTW: 6.99' BTOC
TD: 46.58' BTOC
0918 PUMP ON
Time Temp DO COND pH ORP TURB VOL
0919 21.2 1.64 6.29 6.81 157.7 27.2
0921 RAISE/LOWER TUBING REPEATEDLY TO
SURGE/DROOP WELL
0925 21.2 0.64 6.22 6.77 143.2 8.13 0.5
0930 21.3 0.59 6.12 6.76 133.3 8.65 1.0
0934 21.3 0.63 6.19 6.75 127.1 5.00 1.25
- AIR/BUBBLES IN TUBING, WELL GOING DRY
0938 21.5 0.67 6.21 6.78 123.9 3.33 1.4
- WELL DRY, PUMP OFF
- AFTER EMPLOYING FLOWTHROUGH CAR,
1.5 GA PURGED
- WILL RETURN TO CONTINUE SAMPLING
0943 HEAD TO NEXT LOCATION
0946 ARRIVE AT MW-9/MW-9D
MW-9D: STICKUP 3.4' AGS (3/4" well)
DTW: 6.62' BTOC
TD: 50.88' BTOC

Shawn Wilgins

Shawn Wilgins

36 HENNING MANAGEMENT
0526033

12/15/21
Situated with GINS

MW-9: STICKUP: 3.4' AGLS (3/4" well)
DCLW: 6.73' BLOC
TD: 38.98' BLOC

1005 BEGIN PUMPING MW-9

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1006	21.4	1.42	2.11	7.19	-99.5	3.33	Ø

1010 RAISE/LOWER TUBING TO SURGE/DEVELOP WELL

1011	21.5	1.02	2.04	7.17	-102.5	369	0.5
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1015	21.8	1.09	2.04	7.20	-126	37.0	0.5
------	------	------	------	------	------	------	-----

-WELL DRY, PUMP OFF

-WILL BEHAVE PULSATE MW-9D

1023 BEGIN PUMPING MW-9D

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
------	------	----	------	----	-----	------	-----

1025	22.6	1.64	2.35	7.10	-129.8	187	Ø
------	------	------	------	------	--------	-----	---

-RAISE/LOWER TUBING TO SURGE/DEVELOP WELL, VERY TURBID

1028	21.7	0.28	2.25	7.10	-184.5	OR	0.5
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1034	21.8	0.45	2.30	7.08	-176.4	OR	1.0
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1039	22.5	0.47	2.31	7.07	-146.9	601	1.25
------	------	------	------	------	--------	-----	------

1044	22.6	1.39	2.28	7.02	-120.9	220	1.5
------	------	------	------	------	--------	-----	-----

-WELL DRY, PUMP OFF

1049 HEAD BACK TO MW-11 TO

CONTINUE SAMPLING

[Signature]

HENNING MANAGEMENT
0526033

12/15/21 37
Situated with GINS

1054 RESUME SAMPLING MW-11

1107 PUMP OFF, FILLED ALL CONTAINERS FOR MW-11

1130 BACK AT MW-7 TO CONTINUE PULSING/DEVELOPMENT

1132 PUMP ON @ MW-7

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
------	------	----	------	----	-----	------	-----

1134	22.9	3.01	6.00	6.70	17.5	220	1.5
------	------	------	------	------	------	-----	-----

1138	23.0	1.96	6.58	6.76	64.9	28.1	2.0
------	------	------	------	------	------	------	-----

1148 FLOW RATE VERY LOW DUE TO LOW BATTERY ON PUMP. PLUGGED INTO EXTERNAL BATTERY FLOW RATE BACK TO NORMAL

1153	23.3	2.39	7.10	6.81	76.9	10.9	2.5
------	------	------	------	------	------	------	-----

-WELL DRY, PUMP OFF

1159 BACK AT MW-9/MW-9D

1202 PUMP ON @ MW-9

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
------	------	----	------	----	-----	------	-----

1204	22.4	1.15	2.26	7.26	27.9	85.5	0.75
------	------	------	------	------	------	------	------

1209	22.7	0.97	2.13	7.14	5.5	28.1	1.25
------	------	------	------	------	-----	------	------

1210 WELL DRY, PUMP OFF

[Signature]

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38 HENNINGS MANAGEMENT
0526033

12/15/21
SHANN WILGINS

1213 BACK AT MW-9D, PUMP ON

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1215	22.0	1.15	2.29	7.05	-7.9	80.2	1.5
1218	22.1	0.55	2.29	7.05	-38.5	80.6	2.0
1222	22.3	0.65	2.30	7.04	-42.4	30.3	2.25
1227	23.0	0.59	2.29	7.07	-42.2	227	2.5
1228	WELL DRY, PUMP OFF						

1242 ARRIVE AT MW-1, SET UP
TO PURGE/DEVELOP

1244 MW-1: STICKUP: 3.25' AGS (3/4" well)
DTW: 6.09' BLOC
TD: 62.06' BLOC

1251 PUMP ON @ MW-1

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1253	21.3	1.57	1.79	7.07	-12.0	113	2
1254	RAISE & LOWER TURB REPEATEDLY TO SURGE/DEVELOP WELL						
1258	21.2	0.29	1.76	7.14	-123.6	OR 05	
1304	21.2	0.46	1.71	7.08	-141.9	146	1.0
1310	21.4	0.38	1.69	7.10	-145.9	651	1.5
1315	21.5	0.36	1.69	7.08	-147.8	334	2.0
1321	21.3	0.34	1.69	7.08	-147.7	25.3	2.5

Shann Wilgins

HENNINGS MANAGEMENT
0526033

12/15/21 39
SHANN WILGINS

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1327	21.2	0.31	1.68	7.09	-147.3	22.4	3.0
1332	21.2	0.29	1.68	7.06	-147.4	14.4	3.5
1337	21.3	0.27	1.68	7.07	-147.4	35.6	4.0
1342	21.4	0.25	1.68	7.11	-146.2	29.5	4.5

1345 COLLECT SAMPLE MW-1

1421 COMPLETE SAMPLING MW-1, PUMP OFF

1426 HEAD BACK TO MW-7

1434 PUMP ON @ MW-7

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1436	22.2	4.22	7.48	6.76	105.3	432	2.5
1441	22.1	4.08	7.98	6.77	98.9	7.76	3.0
1445	22.7	3.25	8.23	6.70	77.8	7.02	3.25
1445	WELL DRY, PUMP OFF						
1452	BACK AT MW-9/MW-9D						
1455	PUMP ON @ MW-9						

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1456	22.3	1.64	2.41	7.20	46.1	92.1	1.25
1459	22.0	0.77	2.31	7.14	17.3	27.8	1.5
1502	22.1	1.01	2.27	7.14	12.3	21.5	1.75

-WELL DRY, PUMP OFF

Shann Wilgins

40 HEADINGS MANAGEMENT
0526033

12/15/21
SHAWN WILKINS

1506 RESUME PUMPING @ MW-9D

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1507	21.9	1.10	2.28	7.00	7.8	39.9	2.5
1512	22.1	0.53	2.28	7.01	-22.4	21.5	3.0
1516	22.3	0.59	2.29	7.02	-23.4	10.5	3.5
1521	23.0	0.45	2.28	7.00	-36.4	11.9	3.5

- WELL DRY, PUMP OFF

1537 ARRIVE AT MW-8

1541 MW-8: STICKUP: 3.4' AGS (1" well)
DTW: 6.76' BTCL
TD: 53.75' BTCL

1547 PUMP ON @ MW-8

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1548	22.4	2.03	2.57	6.88	-177.6	261	0

- RAISE & LOWER TURBIDITY REPEATEDLY
TO SURGE/DEVELOP WELL

1554	21.6	0.46	2.95	6.92	-426.0	342	0.5
1559	21.5	0.35	2.14	6.90	-398.7	86.0	1.0
1605	21.5	0.32	2.10	6.90	-372.1	46.6	1.5
1610	21.6	0.32	2.09	6.90	-361.2	29.8	2.0
1615	21.5	0.32	2.04	6.90	-345.0	21.1	2.5
1620	21.5	0.32	2.03	6.91	-341.0	15.2	3.0

Shawn Wilkins

HEADINGS MANAGEMENT
0526033

12/15/21 41
SHAWN WILKINS

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1624	21.4	0.33	2.04	6.90	-341.3	15.1	3.5
1629	21.4	0.34	2.02	6.91	-338.1	40.5	4.0

1630 COLLECT SAMPLE MW-8

1642 TURBIDITY PRIOR TO COLLECTING
WATER FOR METALS: 8.4

1646 PUMP OFF, COMPLETE SAMPLING MW-8

1715 CHASE OFF SITE

- WALKER HILL AND MAYOX
LEFT SITE WHILE WE WERE
SAMPLING MW-8

- WALKER HILL FINISHED ALL
SURFACE COMPLECTIONS

1725 REMOVE WATER LEFT IN
BUCKETS BY EACH WELL

- GO TO PICK UP BUCKETS &
TRANSFER INTO DRUM

1745 RAN OUT OF DAYLIGHT -
WILL TRANSFER TO DRUM
TOMORROW

1750 LEAVE SITE

Shawn Wilkins

42 HENNING MANAGEMENT
0526033

12/16/21
SHAWN WILGINS

0650 ARRIVE AT SITE
- TRANSFER YESTERDAY'S PURGE
WATER TO DRUM

0655 WALKER HILL ON SITE
- JIMMY THORNHILL
- CELIL PARKER
- WANYA COOK
- WORK IS FINISHED, TRUCK
WILL LOAD UP EQUIPMENT
& DRILL RIG AND TAKE OFF
SITE

0700 SAFETY MEETING CONDUCTED

0710 CHASE SOUTER (ICON) ON SITE

0720 MAYEX SURVEYING ON SITE

- BERNARD TRAPPET

- LODY BROUSSARD

- CONDUCT SAFETY MEETING

0740 ARRIVE AT MW-7 TO BEGIN
WATER SAMPLING

0750 COLLECT MW-7 SAMPLE

0804 WALKER HILL GO TO PUMP PRIOR TO
SAMPLING FOR METALS

0813 PUMP OFF, ^{WELL DRY} FILLED ALL CONTAINERS
EXCEPT RADIUM, WILL REMAIN

SHAWN WILGINS

HENNING MANAGEMENT
0526033

12/16/21
SHAWN WILGINS

0818 ARRIVE AT MW-9/MW-9D
TO BEGIN WATER SAMPLING

0820 COLLECT MW-9 WATER SAMPLE

- NOTED WHAT APPEARS TO BE PVC
SHAVINGS IN WATER DURING VOA SAMPLING,
MINOR AMOUNT, NOT PRESENT AFTER VOAS

0833 WELL DRY, PUMP OFF, FILLED
VOAS AND 1/2 OF ICON'S CONCENTRATIONS,
WILL RETURN TO RESUME SAMPLING

.. SET UP AT MW-9D

0840 COLLECT MW-9D WATER SAMPLE

0855 PUMP OFF, WELL DRY, STILL NEED
TO FILL 1/2 OF ICON'S CONCENTRATIONS,
ALL METALS, & ALL RADIUM

- HEAD BACK TO TRUCKS TO PREP
FOR BLOWOUT SAMPLING

0900 CLAUDE LEBAS (DEPS) ON
SITE WITH JON BOAT

0910 JAKE ROBERSON ON SITE

- CONDUCT SAFETY MEETING,
GO OVER PLAN FOR BLOWOUT
SAMPLING

SHAWN WILGINS

44 Herring Management

0526033

12/16/21

SHAWN WILLIAMS

0950 GETTING READY TO LAUNCH
SON BOAT FOR DEPTH
MEASUREMENTS. CLAUDE AND
I ARE IN BOAT, JAKE
IS ON SHORE OBSERVER.
TAKING MEASUREMENTS WITH
12 OZ STAINLESS STEEL PLUMB
BOB ATTACHED TO 100' TAPE
MEASURE

0955 AT EDGE OF VEGETATION
3' DEEP, 0507815, 3328233 ± 15'

0959 JUST PAST LILLY PADS
12' DEEP, 0507805, 3328235 ± 15'

1001 NEAR CENTER OF POND
15' DEEP, 0507798, 3328228 ± 15'

1003 NEAR EDGE OF LILLY PADS ON W SIDE
11.5' DEEP 0507785, 3328226 ± 15'

1005 IN LILLY PADS, NEAR CATTAILS ON
WEST SIDE, 5.5' DEEP, 0507771, 3328220 ± 15'

1008 NEAR EDGE OF CATTAILS ON SOUTH SIDE
7' DEEP, 0507801, 3328208 ± 12'

1010 HALFWAY BETWEEN SOUTH EDGE AND CENTER
12' DEEP 0507795, 3328217 ± 13'

Shawn Williams

Herring Management

0526033

12/16/21

SHAWN WILLIAMS

1012 NEAR CENTER OF POND
14' DEEP, 0507790, 3328230 ± 13'

1013 HALFWAY BETWEEN CENTER & NORTH EDGE
13' DEEP 0507788, 3328234 ± 14'

1015 NORTH EDGE IN LILLY PADS, NEAR
CATTAILS, 7' DEEP, 0507788, 3328241 ± 12'

1030 WILL COLLECT ONE SURFACE
WATER SAMPLE (SW-BO) IN
CENTER OF BLANET AT ~7'.
(MID POINT OF DEPTH)

1110 CHANGE OF PLANS, WILL COLLECT
MULTIPLE SAMPLES, LABORING
BOAT

1118 ANOTHER BOAT FOR SAMPLING
AT 0507801, 3328232 (NEAR
CENTER OF POND, DEPTH ~14'
-SET TUBING AT 13'

1023 BELOW PUMPING SW-BO 13'
TIME TEMP DO COND PH ORP TURB VOL

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1124	18.5	1.33	0.225	7.18	57.4	460	0
1127	17.7	0.74	0.189	6.93	9.9	24.3	0.25
1129	17.4	0.77	0.188	6.89	7.4	17.4	0.5
1133	17.6	0.54	0.187	6.89	-3.6	20.8	0.75
1135	COLLECT SW-BO 13'						

Shawn Williams

46 HERRING MANAGEMENT
0526033

12/16/21
STAN WILGINS

1207 PUMP OFF, COMPLETE SAMPLING
SON-BO 13', ALSO FILLED ICON'S
CONTAINERS SINCE THEY ARE
NOT ALLOWED ON OUR BOAT

1210 PHOTO (115) CLAUDE (DOPS) IN
BOAT, FACING SOUTH

- PHOTO (116) SAMPLING GEAR IN BOAT

- PHOTO (117) " " " "

1211 PHOTO (118) PHOTO OF POND FROM
BOAT FACING W

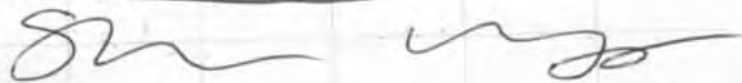
1212 PHOTO (119) PHOTO OF POND FROM
BOAT FACING N

- PHOTO (120) OF POND FROM BOAT
FACING EAST

1214 RE-ATTACH FLOWMETER/COLL,
SET WATER @ 2'

1216 PUMP ON

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1216	21.9	3.03	0.184	7.03	574	73.9	0
1219	21.7	4.13	0.182	7.07	81.5	3.07	0.25
1222	22.1	4.47	0.182	7.08	90.1	2.81	0.5
1225	22.3	4.39	0.182	7.10	92.9	1.99	0.75
1230	COLLECT GW-BO 2'						



HERRING MANAGEMENT
0526033

12/16/21 47
STAN WILGINS

1300 PUMP OFF, SAMPLING COMPLETE,
ALSO FILLED ICON'S CONTAINERS

1310 BACK ON SHORE, PACKING UP
EQUIPMENT

1330 BACK AT TRUCKS, CLAUDE
OFF SITE

1335 JAKE OFF SITE, TAKING SOIL
SAMPLES TO ELEMENT AND
ARDAMAN & ASSOCIATES

1400 HEAD OUT TO RESUME GW
SAMPLING

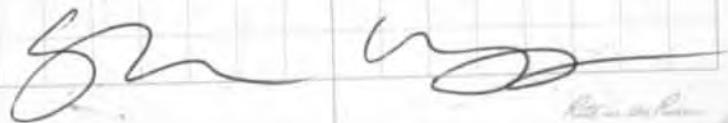
1407 PUMP ON AT MW-7, RESUME
SAMPLING

- FORGOT TO NOTE @ 1334 TOOK
PHOTOS (21), (22), & (23) OF
ELEMENT COLS

1420 PUMP OFF, WELL DRY

- FILLED BERM RADIUM CONTAINER
AND 1/2 OF 1 ICON RAD CONTAINER,
WILL RETURN TO CONTAINERS

1430 BACK AT MW-9/MW-9D
TO CONTINUE SAMPLING



48 REMEDIATION MANAGEMENT

12/16/21

0526033

STANLEY WILGINS

1432 PUMP ON AT MW-9 TO CONTINUE SAMPLING

1438 TURBIDITY 3.73 PRIOR TO SAMPLING FOR METALS

1445 WELL DRY, PUMP OFF. ONLY RADIUM CONTAINERS REMAIN

1449 PUMP ON AT MW-9D TO CONTINUE SAMPLING

1451 TURBIDITY 32.8 PRIOR TO SAMPLING FOR METALS

1512 PUMP OFF, 1/2 DRUM RAD AND 1 CONT RAD CONTAINERS REMAIN

1521 ARRIVE AT MW-6 TO BEGIN PURGING/DEVELOPING

1525 MW-6: STICKUP: 3.0' AGS (1" DIAMETER)

DTW: 7.15' BGL

TD: 4304' BGL

1532 PUMP ON @ MW-6

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1533	21.9	1.27	4.85	6.34	156.5	149	Ø

1534 REPEATEDLY RAISE/LOWER TUBING TO SURGE/DEVELOP WELL

1537	21.7	0.40	6.86	6.36	884	420	0.5
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REMEDIATION MANAGEMENT

12/16/21

0526033

STANLEY WILGINS

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1542	21.8	0.81	8.36	6.35	58.8	258	1.0
1548	21.6	0.73	8.16	6.38	45.5	512	1.5
1554	21.6	0.55	8.25	6.35	26.5	859	2.0
1559	21.6	0.41	8.20	6.33	67.1	OR	2.5
1605	21.7	0.32	7.73	6.25	-79.0	OR	3.0
1611	21.7	0.30	7.53	6.37	-84.2	OR	3.5
1616	21.7	0.30	7.36	6.37	-93.8	¹⁰⁰⁰ Ø	4.0
1622	21.6	0.39	7.05	6.38	-96.4	381	4.5
1627	21.5	0.39	6.99	6.38	-90.5	682	5.0
1632	21.5	0.32	6.88	6.38	-91.8	576	5.5
1638	21.4	0.25	6.69	6.37	-91.5	873	6.0
1642	21.4	0.26	6.58	6.38	-99.0	288	6.5
1647	21.4	0.23	6.51	6.37	-100.9	181	7.0
1648	PUMP OFF, RUNNING OUT OF SUNLIGHT. WILL RETURN TO CONTINUE DEVELOPING TOMORROW.						
1702	CHASE OFFSITE, I HEAD TO TRANSFER PURGE WATER TO DRUM						

Stanley Wilgins

50 HENNING MANAGEMENT
0526033

12/17/21
SHAWN WIGGINS

- 0705 ARRIVE ON SITE
- CONDUCT SAFETY MEETING
- 0706 CHASE TROBERT (ICON) ON SITE
- 0710 PREP TO RESUME LOW SAMPLING
- 0721 ARRIVE AT MW-7 TO RESUME SAMPLING
- 0722 PUMP ON @ MW-7
- 0725 PUMP OFF, COMPLETE SAMPLING MW-7
- 0731 PUMP ON @ MW-9 TO RESUME SAMPLING
- 0739 PUMP OFF @ MW-9, WASH ORY CONTAINER HALF FULL, WILL RETURN TO RESUME SAMPLING
- 0741 PUMP ON MW-9 TO RESUME SAMPLING
- 0750 PUMP OFF, SAMPLING COMPLETE
- 0756 ARRIVE AT MW-6 TO RESUME SAMPLING

0759 PUMP ON @ MW-6

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
0800	20.5	2.99	6.39	6.40	138.4	562	7.0
0804	20.7	0.72	6.39	6.34	97.2	395	7.5
0808	20.9	0.54	7.26	6.31	-91.9	15.9	8.0
0813	20.9	0.44	6.76	6.32	-15.8	19.8	8.5

Shawn Wiggins

HENNING MANAGEMENT
0526033

12/17/21 51
SHAWN WIGGINS

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
0818	21.0	0.38	6.55	6.33	-113.6	33.0	9.0
0823	21.0	0.41	6.46	6.34	-10.5	43.1	9.5
0827	21.0	0.26	6.49	6.32	-113.9	25.3	10
0830	COLLECT SAMPLE MW-6						
0842	TURBIDITY PRIOR TO METALS SAMPLING: 111						

WELL WILL FILTER METALS SAMPLE

- 0845 TURBIDITY THROUGH FILTER: 4.28
- 0911 PUMP OFF, COMPLETE SAMPLING MW-6
- 0921 ARRIVE AT MW-10 TO BEGIN PURGING/DEVELOPING
- 0923 MW-10: STICKUP: 3.3' AGS (1" WELL)
DTW: 8.21' BLUE SOFT BECOM
TD: 46.40' BLUE
- 0929 PUMP ON @ MW-10

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
0930	21.0	1.70	1.60	7.59	37.6	OR	Ø
0934	REPEATEDLY RAISE/LOWER TUBING TO SURGE/DEVELOP WELL						
0936	20.9	0.58	1.53	7.51	-222.6	OR	Ø
0942	21.0	0.39	1.59	7.40	-291.4	OR	1.0

Shawn Wiggins

52 HEADLINE MANAGEMENT
0526033

12/17/21
STAN WILGINS

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
0950	21.2	0.28	2.13	6.99	-248.7	OR	1.5
0955	21.2	0.26	2.19	6.97	-239.0	OR	2.0
1000	21.3	0.24	2.27	6.93	-230.2	OR	2.5
1006	21.2	0.22	2.30	6.92	-228.9	OR	3.0
1011	21.2	0.21	2.30	6.92	-227.3	OR	3.5
1016	21.3	0.20	2.36	6.91	-226.6	OR	4.0
1022	21.3	0.22	2.37	6.90	-223.8	OR	4.5
1028	21.3	0.19	2.41	6.89	-216.8	OR	5.0
1034	21.3	0.18	2.43	6.88	-209.4	OR	5.5
1039	21.3	0.17	2.43	6.88	-203.7	OR	6.0
1045	21.3	0.16	2.44	6.89	-198.2	OR	6.5
1051	21.4	0.15	2.44	6.89	-192.0	OR	7.0
1058	21.3	0.15	2.43	6.89	-185.0	OR	7.5
1103	21.2	0.15	2.42	6.88	-181.3	OR	8.0
1109	21.2	0.17	2.40	6.89	-177.0	OR	8.5
1114	21.3	0.16	2.44	6.88	-173.1	OR	9.0
1120	21.3	0.15	2.44	6.88	-173.0	OR	9.5
1125	21.3	0.14	2.44	6.87	-175.1	OR	10.0

- Pump off, will return next week to continue correlation of sample
- WATER WAS VERY TURBID THROUGHOUT, BUT VISIBLY IMPROVING GRADUALLY

Stan Wilgins

HEADLINE MANAGEMENT
0526033

12/17/21⁵³
STAN WILGINS

1133 BACK AT MW-9 TO RESUME SAMPLING

1134 PUMP ON @ MW-9 TO RESUME SAMPLING

1141 PUMP OFF, WELL DRY. FILLED REMAINING ERM CONTAINERS, BUT ONLY 1/4 OF ONE RADIUM BOTTLE FOR ION (LAB REQUIRES 2 BOTTLES).
- ION NOT CONTAINING RADIUM DUE TO LOW SAMPLE VOLUME

1145 HEAD BACK TO TRUCKS

1155 CHASE OFF SITE

1200 GATHER PURGE WATER AND TRANSFER TO DRUM

1220 ALL PERSONNEL OFF SITE

Stan Wilgins

54 HENNING MANAGEMENT
0526033

12/20/21
SHAWN WILGINS

0925 ARRIVE ON SITE

- MARCUS SMITH ON SITE (ERM)
- KATIE COMMINGS ON SITE (ICOM)

0930 CONDUCT SAFETY MEETING

0940 LOAD UP VEH TO START GW SAMPLING

1000 ARRIVE AT MW-10

DTW: 5.63' BTOL
TD: 50.82' BTOL

1009 PUMP ON @ MW-10

TIME	TEMP °C	DD mg/L	COND µS/cm	PH	ORP mv	NTU	OR	COND VOL
1010	16.7	2.26	2.30	6.76	226.1	305	OR	10
1014	17.8	1.11	2.43	6.86	164.1	434	OR	10.5
1019	18.0	0.60	2.44	6.85	131.2	OR	OR	11.0
1025	18.3	0.44	2.45	6.80	110.1	OR	OR	11.5
1031	18.2	0.37	2.45	6.87	94.9	OR	OR	12.0
1036	18.0	0.33	2.45	6.85	83.5	OR	OR	12.5
1042	17.8	0.30	2.45	6.85	69.3	OR	OR	13.0

1045 COLLECT SAMPLE MW-10

-ICOM COLLECTING METALS THROUGH
FILTER (DISSOLVED METALS)

1129 PUMP OFF, COMPLETE SAMPLING MW-10

1140 BACK AT TRUCKS, TAKING QUICK
LUNCH AND PREPPING FOR NEXT WAYS

HENNING MANAGEMENT
0526033

12/20/21⁵⁵
SHAWN WILGINS

1236 SET UP AT MW-5

1239 MW-5: STICKUP: ~3' ALS (3/4" WELP)

DTW: 6.99 BTOL

TD: 37.90' BTOL

1243 PUMP ON @ MW-5

- REPEATEDLY RAISE/LOWER

TUBING TO SURGE/DEVELOP WELL

TIME TEMP DO COND PH ORP TURB VOL

1244	18.4	1.10	4.25	6.95	139.6	OR	OR	
1248	19.2	1.47	4.33	6.69	126.1	OR	OR	0.5
1254	19.2	0.96	4.42	6.66	126.2	154	1.0	
1259	19.2	0.47	4.42	6.61	120.3	118	1.5	
1305	19.4	0.40	4.42	6.60	113.6	173	2.0	
1310	19.3	0.34	4.41	6.64	107.1	112	2.5	
1315	19.3	0.32	4.41	6.65	101.2	98.8	3.0	
1319	19.2	0.31	4.40	6.61	96.2	85.1	3.5	
1325	19.2	0.28	4.40	6.65	89.9	83.6	4.0	
1330	19.1	0.26	4.40	6.68	84.7	80.9	4.5	

1330 COLLECT SAMPLE MW-5

1347 TURBIDITY 16.7 NTU PRIOR TO
SAMPLING METALS

1414 PUMP OFF, SAMPLING COMPLETE

56 HENNING MANAGEMENT
0526033

12/20/21
SHAWN WILGINS

1418 ARRIVE AT MW-4
1420 MW-4: STICKUP: 3' AGS (1" PVC WELL)
DTW: 6.79' BTOL
TD: 54.34' BTOL

1425 PUMP ON @ MW-4
- RAISE/LOWER TURBINE TO DETERMINE

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1428	17.2	0.86	3.41	6.88	-128.0	356	Ø
1432	19.2	0.32	4.39	6.68	-147.8	OR 0.5	
1437	19.4	0.87	4.22	6.65	-146.8	304	1.0
1442	19.3	0.55	4.20	6.66	-145.4	138	1.5
1447	19.5	0.40	4.17	6.64	-142.1	59.5	2.0
1452	19.5	0.32	3.16	6.65	-140.5	41.8	2.5
1457	19.5	0.30	4.16	6.67	-139.0	21.8	3.0
1501	19.4	0.28	4.16	6.62	-136.1	17.3	3.5

1505 COLLECT SAMPLES MW-4
1536 PUMP OFF, COMPLETE SAMPLING MW-4

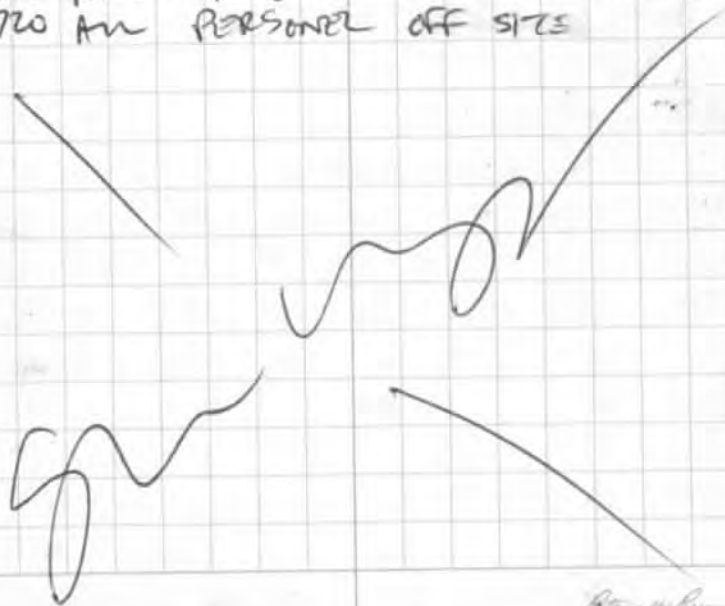
1541 ARRIVE AT MW-3
MW-3 STICKUP: 3' AGS (1" PVC WELL)
DTW 6.10'
TD: 42.95'

1547 PUMP ON @ MW-3
- RAISE & LOWER TURBINE TO DETERMINE
SW

HENNING MANAGEMENT
0526033

12/20/21 57
SHAWN WILGINS

TIME	TEMP	DO	COND	PH	ORP	TURB	VOL
1548	18.6	1.57	2.44	6.80	-120.4	17.3	Ø
1553	19.2	0.53	2.44	6.62	-125.7	61.3	2.5
1558	19.5	0.39	2.42	6.63	-125.4	32.2	1.0
1604	19.2	0.32	2.41	6.56	-99.7	4.79	1.5
1609	19.3	0.30	2.41	6.60	-96.2	8.39	2.0
1613	19.4	0.24	2.41	6.59	-95.7	29.1	2.5
1619	19.3	0.24	2.41	6.58	-95.4	23.7	3.0
1623	19.4	0.23	2.41	6.58	-95.9	27.9	3.5
1628	19.2	0.21	2.41	6.55	-95.5	14.9	4.0
1630	COLLECT SAMPLES MW-3						
1707	PUMP OFF, COMPLETE SAMPLING MW-3						
1720	ALL PERSONNEL OFF SITE						



SHAWN WILGINS

HEMMING MANAGEMENT
0526033

12/21/21
SHAWN WILGINS

- 0655 ARRIVE ON SITE
0705 MARCUS ON SITE (OPM)
- SAFETY MEETING CONDUCTED
0715 HEAD OUT TO GATHER PURGE
WATER FROM YESTERDAY'S SAMPLES
0740 PURGE WATER TRANSFERRED TO DRUM
0745 BACK AT TRUCKS TO PREP
FOR WATER SAMPLING
- KATIE CUMMINS (ICOM) ON SITE
0755 ARRIVE AT MW-2

Stickup: 3 Ft (1" PVC well)
DTW: ~~5.64'~~ 5.64'
TD: 60.46'

0801 PUMP ON AT MW-2

- RAISE/LOWER TUBING TO DEVELOP WELL

TIME	TEMP	DO	COND	PH	ORP	URS	VOL
0802	18.8	1.70	1.58	7.32	-161.5	197	0
0806	19.3	0.69	1.60	7.25	-198.7	109	0.5
0810	19.5	0.79	1.59	7.26	-201.8	147	1.0
0816	19.6	0.27	1.58	7.16	-203.1	802	1.5
0820	19.8	0.23	1.54	7.13	-195.6	OR	2.0
0825	19.7	0.21	1.53	7.10	-191.7	OR	2.5

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HEMMING MANAGEMENT
0526033

12/21/21
SHAWN WILGINS

TIME	TEMP	DO	COND	PH	ORP	URS	VOL
0829	19.8	0.19	1.53	6.98	-190.4	OR	3.0
0833	19.9	0.17	1.52	6.99	-189.3	OR	3.5
0838	19.9	0.17	1.52	7.08	-188.9	OR	4.0
0842	19.9	0.16	1.52	7.03	-189.2	OR	4.5
0847	19.8	0.16	1.52	7.02	-190.3	OR	5.0
0852	20.0	0.15	1.52	6.99	-189.7	OR	5.5
0858	20.1	0.14	1.52	6.95	-191.0	OR	6.0

- TUBING NO LONGER REACHING BOTTOM
AFTER PUMPING OUT SILT, ADD EXTRA
TUBING AND LOWER TO PURGE OUT
ANY REMAINING SILT

0903	19.6	0.18	1.52	6.95	-167.2	OR	6.5
0908	19.7	0.17	1.52	6.93	-174.7	OR	7.0
0913	19.7	0.15	1.51	6.92	-180.8	706	7.5
0918	19.5	0.16	1.51	6.89	-182.7	767	8.0
0922	19.8	0.16	1.51	6.94	-184.2	815	8.5
0928	19.7	0.17	1.51	6.92	-185.3	866	9.0
0933	19.7	0.16	1.51	6.94	-186.0	643	9.5
0938	19.8	0.15	1.51	6.90	-186.7	535	10.0
0943	20.0	0.15	1.51	6.92	-187.6	254	10.5
0947	20.1	0.14	1.50	6.93	-188.1	248	11.0
0952	20.1	0.13	1.51	6.92	-188.8	216	11.5
0955	CONST SAMPLE MW-2						

Shawn Wilgins

00 HEAVENING MANAGEMENT

0526033

12/21/21

STANLEY WILKINS

0955 TURBIDITY 185 NTU AFTER
REMOVING FLOW THROUGH CELL PRIOR
TO SAMPLING

1006 TURBIDITY 120 PRIOR TO METALS
SAMPLING - 1 CON WILL FIELD FILTER
METALS (DISSOLVED)

1031 PUMP OFF - COMPLETE SAMPLING MW-2

1040 BEHIND REMAINS WELLS FOR FOUND OF
WATER LEVEL READINGS

1043 PHOTO (124) 1 CON WELL H-10, FACING E

1045 PHOTO (125) ERM WELL MW-7, FACING E

1048 PHOTO (126) ERM WELLS MW-9 & MW-10,
FACING SOUTH. MW-9 ON RIGHT, MW-10 ON LEFT

1051 PHOTO (127) ERM WELL MW-10, FACING SE

1052 PHOTO (128) ERM WELL MW-8, FACING E

1056 PHOTO (129) 1 CON WELL H-1, FACING NE

1058 PHOTO (130) ERM WELL MW-11, FACING E

1100 PHOTO (131) 1 CON WELL H-18, FACING W

1102 PHOTO (132) 1 CON WELL H-22, FACING E

1104 PHOTO (133) 1 CON WELL H-2, FACING N

1105 PHOTO (134) 1 CON WELL H-10, FACING N

1108 PHOTO (135) 1 CON WELL H-23, FACING N

1113 PHOTO (136) ERM WELL MW-5, FACING W

HEAVENING MANAGEMENT

0526033

12/21/21⁰¹

STANLEY WILKINS

1114 PHOTO (137) ERM WELL MW-4, FACING N

1116 PHOTO (138) 1 CON WELL U-12, FACING S

1117 PHOTO (139) ERM WELL MW-3, FACING NW

1120 PHOTO (140) ERM WELL MW-2, FACING S

1121 PHOTO (141) 1 CON WELL H-9, FACING NE

1122 PHOTO (142) ERM WELL MW-1, FACING SW

1126 PHOTO (143) ERM WELL MW-6, FACING N

1128 PHOTO (144) 1 CON WELL H-20, FACING N

1130 TRANSFER REMAINING PURE WATER
TO DRUM

1132 PHOTO (145) ERM 10W DRUMS

- 3 DRUMS ON LEFT CONTAIN SOIL

- NEXT 2 DRUMS CONTAIN WATER

- RIGHT DRUM IS EMPTY

- THERE IS A SINGLE DRUM
FURTHER SOUTH (OUT OF PHOTO)

THAT IS 1 CON'S (NOT ERM'S)

- ERM DRUM COORDINATES

0508478, 3328290

1147 PHOTO (146) 1 CON WELL MW-3, FACING S

1155 PHOTO (147) 1 CON WELL H-24, FACING N

1203 PHOTO (148) 1 CON WELL H-33, FACING E

1205 PHOTO (149) 1 CON WELLS H-32A &

H-32B, FACING EAST

HERNANDEZ MANAGEMENT

0526033

12/21/21

SHAWN WILGINS

1221 PHOTO (150) 1 cond well H-25, Facing SSW

1224 PHOTO (151) 1 cond well H-26, Facing SSW

1228 PHOTO (152) 1 cond well H-27, Facing SE

TIME well-ID DTW (FEET BTOC)

1244 H-3 4.51

1249 H-24 5.20

1255 H-33 3.85

1258 H-32A 3.36

1259 H-32B 3.33

1313 H-25 4.34

1315 H-26 5.08

1318 H-27 6.25

1330 H-20 4.10

1332 MW-6 3.98

1335 H-16 5.40

1338 MW-7 4.79

1341 MW-9D 4.93

1342 MW-9 4.71

1344 MW-10 5.31

1345 MW-8 4.59

1347 H-1 3.42

1348 MW-11 5.25

1349 H-18 3.35

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HERNANDEZ MANAGEMENT

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12/21/21

SHAWN WILGINS

TIME well-ID DTW (FEET BTOC)

1352 H-22 5.05

1353 H-2 5.81

1355 H-10 9.93

1357 H-23 6.33

1400 MW-5 6.73

1402 MW-4 6.64

1404 H-12 5.37

1406 MW-3 6.01

1408 MW-2 5.65

1410 H-9 4.76

1411 MW-1 5.68

1420 DIVERSIFIED PICK UP JUV

1421 PHOTO (153) WAYPOINT CHAIN,

MARCUS WILL TRANSPORT TO

COURIER

- PHOTO (154) EBORLINE CHAIN,

I WILL STAY

1430 ALL PERSONNEL OFF SITE

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64 HEADING MANAGEMENT
0526033

1/10/22
SHAWN WILGINS

- 1115 ARRIVE ON SITE
CONDUCT SAFETY MEETING
- 1140 GEOFF MILLER (ICM) ON SITE
- CHECK SITE CONDITIONS AND
BEHIND MARKING BORING LOCATIONS
- 1200 BACK AT SITE ENTRANCE WAITING
FOR UTV DROP OFF FROM HARC
RENTALS
- 1300 HARC STILL NOT HERE, HEAD
TO H-4 AREA TO MEET
MICHAEL HANKS (BOARDWALK
PIPELINE TEXAS GAS)
- 1310 H-4 AREA PROPOSED LOCATIONS
NOT IN CONFLICT W/ PIPELINE,
HEAD BACK TO WAIT FOR UTV
- 1330 HARC DROPPED OFF TWO UTVS
- 1345 ARRIVE AT H-4 AREA TO
BEGIN HAND AUGERING
- 1350 PHOTO ① H-4E2 LOCATION,
FACING NE
UTM 15 0509827, 3328169 ± 12'
- 1410 PHOTO ② H-4E2 0.2' SOIL CUTTINGS
- SILTY CLAY, BROWNISH GRAY, MOIST,
VERY STIFF, NO ODR, EC: 0.47
- Shawn Wilgins*

HEADING MANAGEMENT
0526033

1/10/22
SHAWN WILGINS

- 1415 COLLECT H-4E2 0-2'
- 1418 H-4E2 BOREHOLE BACK FILLED
W/ SOL CUTTINGS
- 1420 DELAY HAND AUGER W/ DISTILLED
WATER & LIQUINOX
- 1430 PHOTO ③ H-4N2 LOCATION,
FACING NORTH
- UTM 15 0509755, 3328246 ± 13'
- 1446 PHOTO ④ H-4N2 SOIL CUTTINGS
- SILTY CLAY, DARK BROWN, VERY STIFF,
MOIST, NO ODR, EC: 0.70
- 1450 COLLECT H-4N2 0-2'
- 1455 H-4N2 BACK FILLED W/ SOIL
CUTTINGS, AUGER DECONNED
- 1502 PHOTO ⑤ H-4W2 LOCATION,
FACING NORTH
- UTM 15 0509676, 3328171 ± 15'
- 1517 PHOTO ⑥ H-4W2 SOIL CUTTINGS
- SILTY CLAY, VERY DARK BROWN,
VERY STIFF, MOIST, NO ODR,
EC: 0.99
- 1520 COLLECT H-4W2 0.2'
- 1530 H-4W2 BACK FILLED, AUGER
DECONNED
- Shawn Wilgins*

HEAVILY MANAGEMENT
0526033

1/10/22
SHAWN WILKINS

- 1535 HEAD BACK TO JVS TO
PLACE TRANSDUCERS
- 1545 ARRIVE AT MW-9 & MW-9D,
OPEN WELLS
MW-9: DW 5.77' BLOC
MW-9D: DW 5.69' BLOC
- 1600 TRANSDUCERS PLACED IN
MW-9 & MW-9D @ ~20' BLOC,
WILL ALLOW TO EQUILIBRATE
OVER NIGHT BEFORE BEGINNING
SLUG TESTS
- 1605 MOB TO H-24/H-28 AREA TO
MARK BORING LOCATIONS
- 1630 H-24/H-28 AREA PROPOSED BORING
MARKS, WILL RETURN TO SAMPLE
- 1635 LEAVE OFF SITE
- 1650 LEAVE SITE



HEAVILY MANAGEMENT
0526033

1/11/22
SHAWN WILKINS

- 0735 ARRIVE ON SITE
- PREP SAFETY DOCS, PREP TO
BEGIN WORK
- 0745 GEOFF MILLER (LION) ON SITE
- 0750 TERRY ORTEGA & BERNARD TRAFFERY
(MAMEX SURVEYING) ON SITE
TO COMPLETE SURVEY
- SAFETY MEETING CONDUCTED
- 0820 ARRIVE AT MW-9 & MW-9D
FOR SLUG TEST
- TRANSDUCERS ALREADY IN WELLS
LEFT TO EQUILIBRATE OVERNIGHT
- 0825 SET UP AT MW-9, TRANSDUCER
READING 14.48 FT
- 0830 TRANSDUCER ON @ MW-9, LOGGING
COLLECTING DATA EVERY 1 SECOND
- WILL USE 3/8" DIAMETER
5' LONG SOLID PVC SLUG, WILL
SET AT ~10-15' BLOC
- 0836 SLUG IN
- 0840 SET UP AT MW-9D
- TRANSDUCER READING 13.83'



88 HERRING MANAGEMENT
0526033

VII/22
SHAWN WILGINS

0841 BEGIN TRANSDUCER LOGGING
C MW-AD, 1 SECOND READINGS
- 7/8" SOLID PVC SLUG, 5' LONG,
WILL SET AT ~10-15' BLOC

0846 SLUG IN C MW AD

0855 BACK AT TRUCKS, WILL HAND
AUGER, THEN RETURN TO SLUG
TESTS

0900 MIMEX OFF SITE

0907 PHOTO (7) H-8N2 BORING LOCATION,
FACING EAST

- UTM 15R 0508096, 3328202 ± 13'

0916 COMPLETE HAND AUGERING H-8N2,
WILL PROCESS SOIL LATER AT TRUCKS
- DECON AUGER

0924 PHOTO (8) H-8S2 BORING LOCATION, FACING SE

- UTM 15R 0508096, 3328116 ± 10'

0938 COMPLETE HAND AUGERING H-8S2,
DECON AUGER

0944 PHOTO (9) H-22S2 BORING LOCATION, FACING EAST

- UTM 15R 0508096, 3328047 ± 11 FT

0954 COMPLETE HAND AUGERING H-22S2,
DECON AUGER

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HERRING MANAGEMENT
0526033

1/1/22
SHAWN WILGINS

1000 BACK AT TRUCK TO PROCESS
SOIL SAMPLES

1003 PHOTO (10) H-8N2 0-2' SOIL
CUTTINGS

- SILTY CLAY, DARK BROWN, STIFF,
MOIST, NO ODR, ROOTLETS
EC: 1.23

1005 COLLECT H-8N2 0-2'

1008 PHOTO (11) H-8S2 0-2' SOIL CUTTINGS

- SILTY CLAY, DARK BROWN, STIFF,
MOIST, NO ODR, ROOTLETS
EC: 2.21

1010 COLLECT H-8S2 0-2'

1012 PHOTO (12) H-22S2 0-2' SOIL CUTTINGS

- SILTY CLAY, DARK BROWN, STIFF,
MOIST, NO ODR, MINOR ROOTLETS
EC: 0.83

1015 COLLECT H-22S2 0-2'

1025 BORINGS BACKFILLED W/ SOIL CUTTINGS

- JODY SHUGART (EXM) ON SITE

1030 SAFETY MEETING COMPLETED

1040 HEAD TO H24/H28 AREA
TO CONTINUE HAND AUGERING

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70 HERRING MANAGEMENT
0526033

VII/22
SHAWN WILKINS

- 1098 PHOTO (13) H-24 NW BORING LOCATION
1101 PHOTO (14) H-24 NW 0-2' SOIL CUTTINGS
- SILTY CLAY, VERY DARK BROWN, MEDIUM STIFF,
MOIST, NO ODOR, EC: 0.82
1105 COLLECT H-24 NW 0-2'
- HAND AUGER DEFORMED
1109 H-24 NW BORING BACKFILLED w/ SOIL
CUTTINGS
- H-24 NW LOCATION: 0508594, 3327881
1112 PHOTO (15) H-24 NE BORING LOCATION
- 0508648, 3327877
1122 PHOTO (16) H-24 NE SOIL CUTTINGS
- SANDY CLAY, DARK BROWN AND
ORANGE-BROWN, MEDIUM SOFT, MOIST,
NO ODOR, EC: 0.80
1125 COLLECT H-24 NE 0-2'
1130 H-24 NE BORING BACKFILLED,
HAND AUGER DEFORMED
1137 PHOTO (17) H-28 SE LOCATION, FACING SW
- UTM 15R 0508690, 3327798
1150 HAND AUGER DEFORMED
1155 PHOTO (18) H-24 SW LOCATION, FACING N
- UTM 15R 0508590, 3327804

Shawn Wilkins

HERRING MANAGEMENT - VII/22⁷¹
0526033 SHAWN WILKINS

- 1215 BACK AT TRUCKS TO PROCESS
SOIL SAMPLES
1218 PHOTO (19) H-28 SE 0-2' SOIL CUTTINGS
- SILTY CLAY, VERY DARK BROWN,
MEDIUM STIFF TO VERY STIFF, MOIST, NO
ODOR, EC: 0.82
1220 COLLECT H-28 SE 0-2'
1224 PHOTO (20) H-24 SW 0-2' SOIL CUTTINGS
- SILTY CLAY, DARK BROWN TO TAN,
VERY STIFF, MOIST, NO ODOR
EC: 1.33
1225 COLLECT H-24 SW 0-2'
1240 BORINGS BACKFILLED w/ SOIL CUTTINGS
1250 HEAD BACK TO RESUME
SLUG TESTS. JODY IS HEADED
ELSEWHERE FOR ECO OBSERVATIONS
1300 BACK AT MW-9 / MW-9D
- MW-9D TRANSDUCER READING 13.80'
1302 MW-9D SLUG OUT
1304 MW-9 TRANSDUCER READING 14.43
1305 MW-9 SLUG OUT
1310 ARRIVE AT MW-10, OPEN W/BL
DTW: 6.12' Blue

Shawn Wilkins

72 HEADINGS MANAGEMENT
0526033

1/11/22
STAN WILGINS

- 1316 PLACE TRANSDUCER IN MW-10
@ ~20' BLOC
- 1320 START LOGGING MW-10,
WILL WAIT TO EQUILIBRATE
- 1345 VERY SLOW TO EQUILIBRATE,
WILL USE 3/8" SOLID PVC 5'
SLUG @ ~10-15' BLOC
- 1351 SLUG IN @ MW-10
- 1420 SLUG OUT @ MW-10
- 1500 STOP LOG @ MW-10
- PULL TRANSDUCER, DOWNLOAD
DATA, AND HEAD TO NEXT WELL
- 1503 ARRIVE AT MW-8
- 1509 DTW: 5.89' BLOC
- 1514 PLACE TRANSDUCER AT ~20' BLOC
- 1516 START LOGGING MW-8
- WILL USE 3/8" X 5' PVC SLUG @ ~10-15'
- 1541 SLUG IN @ MW-8
- 1618 SLUG OUT @ MW-8
- 1631 STOP LOGGING
- NOISY DATA FOR PORTIONS OF
MW-10 & MW-8 SLUG TESTS

[Signature]

73 HEADINGS MANAGEMENT
0526033

1/11/22
STAN WILGINS

- 1640 GEOF OFF SITE
- 1642 ARRIVE BACK AT MW-9/MW-9D
- 1644 MW-9D READING 13.80'
- 1645 STOP LOG @ MW-9D, DOWNLOAD
DATA FROM TRANSDUCER
- 1659 MW-9 READING 14.51'
- 1700 STOP LOG @ MW-9, DOWNLOAD
DATA
- 1705 ARRIVE AT MW-7
- 1707 DTW: 6.16' BLOC
- PLACE TRANSDUCER AT
~20' BLOC, ALLOW TO
EQUILIBRATE OVERNIGHT
- 1713 ARRIVE AT MW-11
DTW: 6.12' BLOC
- 1717 PLACE TRANSDUCER @ ~20' BLOC,
ALLOW TO EQUILIBRATE OVERNIGHT
- 1730 LEAVE SITE

[Signature]

1/12/22

SHAWN WILKINS

0735 ARRIVE ON SITE

0740 SAFETY MEETING CONDUCTED

- THERE WAS AN ISSUE WITH THE SLUG TEST DATA YESTERDAY. AT ANY TIME THE WIRELESS TRAIL COM WAS ATTACHED. CHARLES IS GETTING REPLACEMENT. FOR NOW, WE WILL CONDUCT ONLY TO START AND STOP LOGS.

0747 LOG ON @ MW-11

0754 SLUG IN @ MW-11

- 3/8" x 5' PVC SLUG @ ~10-15'
- GHOFF MILLER (CON) ON SITE

0800 HEAD TO MW-7

0806 ARRIVE AT MW-7

0809 BEGIN LOGGING @ MW-7

0813 SLUG IN @ MW-7

- 3/8" x 5' PVC SLUG

0820 ARRIVE AT MW-9D TO REDO SLUG TESTS DUE TO BAD DATA YESTERDAY

0824 PLACE TRANSDUCER @ ~20' BTL AND BEGIN LOG @ MW-9D

- DISCONNECT WIRELESS TRAIL COM AFTER STARTING LOG

Shawn Wilkins

1/12/22

SHAWN WILKINS

0839 SLUG IN @ MW-9D

- 3/8" x 5' PVC SLUG @ ~10-15' BTL

0900 SLUG OUT @ MW-9D

0920 STOP LOG @ MW-9D, HEAD BACK TO TRUCKS TO PREP FOR SITE TOUR w/ EXPORTS

- JODY STUART ON SITE, CONDUCT SAFETY MEETING

0950 EVERYONE ON SITE FOR SITE TOUR

- LOU CAPOZALDO
- VICTOR GARCIA
- JOHN KING
- ANJELA WERT
- SHAWN WILKINS
- RICHARD CONNOR
- JOHN FRAZIER
- JODY STUART
- EMILY MARTIN
- HELEN CONNOR
- CONDUCT SAFETY MEETING

1300 COMPLETE SITE TOUR, HEAD BACK TO TRUCK. CHARLES TRAHAN (CON) ARRIVED DURING SITE TOUR AND HAS CONTINUED SLUG TESTS

Shawn Wilkins

70 HENNING MANAGEMENT
0526033

1/12/22
SHAWN WILGINS

- 1400 CHARLES OFF SITE. I WILL
TAKE BACK OVER SLUG TESTING
- 1401 ARRIVE AT MW-7, SLUG OUT
- 1405 ARRIVE AT MW-6
DTW: 6.52' BGL
- 1407 PLACE TRANSDUCER AT ~20' BGL
- 1410 BEGIN LOG @ MW-6
- 1433 SLUG IN @ MW-6
- 3/8" x 5' PIC SLUG AT ~10-15' BGL
- 1455 SLUG OUT @ MW-6
- 1515 SLUG 2 IN @ MW-6
- 1542 SLUG 2 OUT @ MW-6
- 1601 STOP LOG, DOWNLOAD DATA
- 1608 ARRIVE AT MW-11
- GEOFF (CON) OFF SITE
- 1617 STOP LOG @ MW-11, DOWNLOAD DATA
- 162A ARRIVE AT MW-7, WAITING FOR
DATA TO FINISH DOWNLOADING
- 1633 STOP LOG @ MW-7, DOWNLOAD DATA
- 1636 ARRIVE AT MW-9, WILL DO NEW
SLUG TEST TOMORROW DUE TO
BAD DATA YESTERDAY
- 1645 DTW: 5.85' BGL
- 1649 TRANSDUCER PLACED @ ~20' BGL
- Shawn Wilgins*

HENNING MANAGEMENT
0526033

1/12/22 TT
SHAWN WILGINS

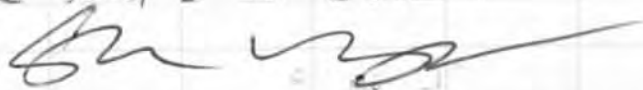
- 1655 BACK AT TRUCK, DOWNLOADING
DATA COLLECTED BY CHARLES,
AND SHUTTLING A UTV TO
THE OTHER WORK AREA
- 1715 LEAVE SITE



78 HEMMING MANAGEMENT
0526033

1/13/22
SHAWN WILKINS

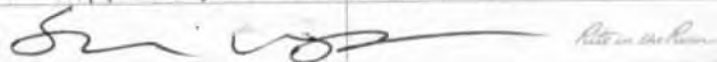
- 0800 ARRIVE ON SITE
- GEOFF MILLER (IGN) ON SITE
- 0815 ARRIVE @ MW-9
- TRANSDUCER READING 13.916 FT
- 0819 BEGIN LOG @ MW-9
- 0822 SLUG IN @ MW-9
- 0828 ARRIVE AT MW-5
- 0830 DTW: 6.89'
- 0832 PLACE TRANSDUCER @ ~20' BTOC
- 0835 START LOG @ MW-5
- 0910 WELL IS EQUILIBRATING VERY SLOWLY - WILL START ON ANOTHER WELL AND RETURN
- 0916 ARRIVE AT MW-4
- 0917 DTW: 6.76' BTOC
- 0919 PLACE TRANSDUCER @ ~20' BTOC
- 0922 START LOG
- WILL USE 1/2" X 5' STAINLESS STEEL SLUG @ ~10-15' BTOC
- 0924 SLUG 1 IN @ MW-4
- 0932 SLUG 1 OUT @ MW-4
- 0937 SLUG 2 IN @ MW-4
- 0942 SLUG 2 OUT @ MW-4



HEMMING MANAGEMENT
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1/13/22 78
SHAWN WILKINS

- 0948 SLUG 3 IN @ MW-4
- 0954 SLUG 3 OUT @ MW-4
BUMPED TRANSDUCER ^{CABLE} WHILE PULLING SLUG, MAM NOT BE AT SAME DEPTH AS OTHER TESTS
- 0958 STOP LOG, DOWNLOAD DATA
- 1003 PHOTOS (21, 23) FROM MW-4 LOCATION. FOREVER NE, N, & NW AREA IS THICKLY VEGETATED, INCLUDING THICK TREES ~4" DIAMETER TRUNKS AND ~20' TALL
- 1006 BACK AT MW-5
- 1010 SLUG 1 IN @ MW-5
- 3/8" X 5' PVC SLUG @ ~10-15' BTOC
- 1012 HEADING TO NEXT WELL, WILL RETURN TO MW-5
- 1014 ARRIVE AT MW-1
DTW: 5.63'
- 1016 PLACE TRANSDUCER @ ~20' BTOC
- 1020 START LOG @ MW-1
- 1031 SLUG 1 IN @ MW-1, 9/8" X 5' PVC SLUG, GOT HUNG UP ON TRANSDUCER WIRE, SITTING AT ~8.5-13.5' BTOC



80 HENNING MANAGEMENT
05260033

1/13/22
SHAWN WILKINS

- 1042 SLUG 1 OUT AT MW-1, BUMPED
TRANSDUCER WHILE REPAIRING SLUG
(SLUG WRAPPED AROUND TRANSDUCER
WIRES)
- 1050 SLUG 2 IN @ MW-1 (10-15' BTOL)
- 1058 SLUG 2 OUT @ MW-1
- 1107 SLUG 3 IN @ MW-1 (10-15' BTOL)
- 1115 SLUG 3 OUT @ MW-1
- 1125 STOP LOG @ MW-1, DOWNLOAD DATA
- 1128 RETURN TO MW-5
- 1131 APPEARS MW-5 IS NOT FULLY
STABILIZED, WILL RETURN
- 1145 LEAVE SITE FOR LUNCH
- 1210 BACK FROM LUNCH
- 1213 ARRIVE AT MW-3
DTW: 5.90' BTOL
- 1215 PLACE TRANSDUCER AT 20' BTOL
- 1221 START LOG @ MW-3
- WILL USE 1/2" STAINLESS STEEL
SLUG @ ~10-15' BTOL
- 1225 SLUG 1 IN @ MW-3
- 1234 SLUG 1 OUT @ MW-3
- 1241 SLUG 2 IN @ MW-3
- 1248 SLUG 2 OUT @ MW-3

Shawn Wilkins

HENNING MANAGEMENT
05260033

1/13/22 81
SHAWN WILKINS

- 1255 SLUG 3 IN @ MW-3
- HEAD TO TRUCK, JODY WILL
PK UP SAMPLES TO TAKE
TO LAB
- 1300 PHOTO (24) & (25) OF REMOVED
COCS
- JODY & EMILY AT TRUCK,
EMILY WILL TAKE SAMPLES
TO LAB
- 1300 BACK AT MW-3
- 1308 SLUG 3 OUT @ MW-3
- 1317 STOP LOG @ MW-3, DOWNLOAD DATA
- 1321 RETURN TO MW-5
- 1327 APPEARS TO HAVE EQUILIBRATED
TRANSDUCER READING 13.74'
- 1328 SLUG OUT @ MW-5
- 1330 HEAD TO MW-9
- 1332 BACK AT MW-9
- TRANSDUCER READING 13.96'
- 1334 SLUG OUT AT MW-9
- 1342 GEOFF HAS BEEN FEELING SICK
AND HAS BEEN IN TRUCK ALL DAY.
GEOFF LEAVING SITE.

Shawn Wilkins

82 HENNINGS MANAGEMENT
0526033

1/13/22
SHAWN WILKINS

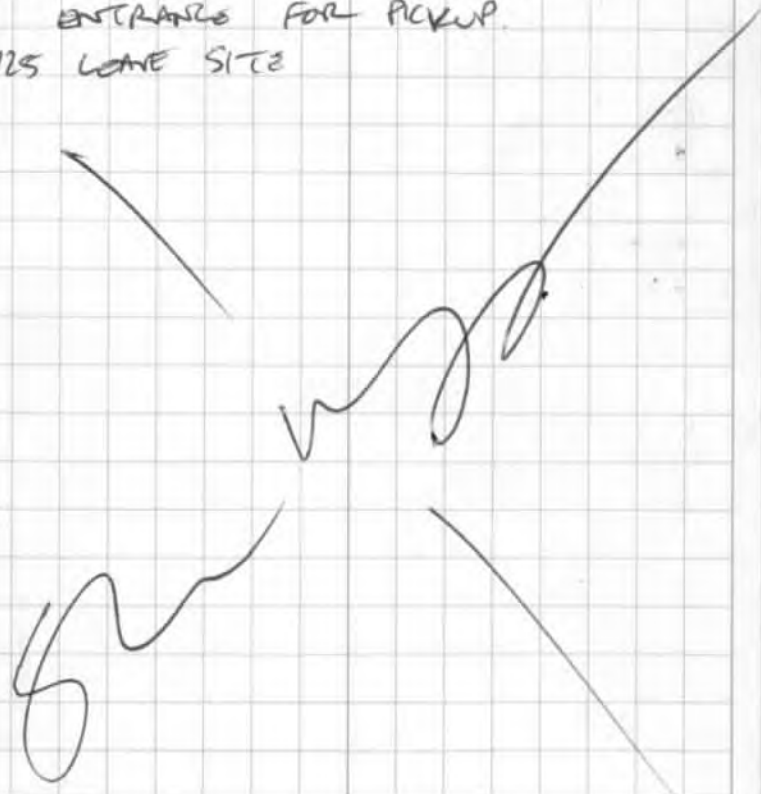
- 1245 ARRIVE AT MW-2
- DTW: 5.50'
- 1348 PLACE TRANSDUCER @ ~20' BLOC
- 1351 BEGIN LOG @ MW-2
- 1403 SLUG 1 IN AT MW-2
- 1/2" x 5' STAINLESS STEEL SLUG (~10-15')
- 1415 SLUG 1 OUT @ MW-2
- 1427 SLUG 2 IN @ MW-2
- 1439 SLUG 2 OUT @ MW-2
- 1450 SLUG 3 IN @ MW-2
- 1507 SLUG 3 OUT @ MW-2
- 1519 STOP LOG, DOWNLOAD DATA
- 1522 HEAD BACK TO MW-5
- 1539 STOP LOG @ MW-5, TRANSDUCER
READING 13.74' AND PRESSURE STABLE
- DOWNLOAD DATA
- 1543 HEAD BACK TO TRUCK, WILL
SHUTTLE UTV TO NORTHERN WORK
AREA
- 1557 HEAD BACK TO MW-9
- 1645 STOP LOG, TRANSDUCER READING
15.90', DOWNLOAD DATA
- 1650 HEAD BACK TO TRUCK

Shawn Wilkins

83 HENNINGS MANAGEMENT
0526033

1/13/22
SHAWN WILKINS

- 1700 PER CONVERSATION w/ JUSTIN
BERTRAND AT HERC RENTALS,
I WILL LEAVE BOTH UTVS
BY THE SITE ENTRANCE AND
HIDE KEY IN MANUAL COMPARTMENT
UNDER SEAT
- 1711 PHOTO (2) UTVS NEAR SITE
ENTRANCE FOR PICKUP.
- 1725 LEAVE SITE



Location Henning Date 1/12/22 ²⁵
Project / Client 0526033

9:30 arrived site with
John Frazier

9:47 Meeting
Shawn Wiggins
Lou Grossman
Victor Gregoire
John Kind
Angela Lavert
Shawn Weneke
Richard Kennedy
John Frazier
Jody Shugart
Emily Martin

Safety Mtg

10:15 Helen, Emily, Jody
begin eco. to
H-18 location

H ✓ /

Location Henning Date 1/12/22
 Project / Client 0526033

10:20 Snow geese
 flying over

10:25 arrived H-18
 walked to 11-A
 photo no skien
 at 11-A

overhead sandhill
 cranes flying
 brown rodent 6"
 grey catbird
 american crow

10:37 water near
 11-A saw
 mosquito fish

photo water 11-A
 cricket frog
 photo
 cricket frog

H ← ✓

Location Henning Date 1/12/22²⁷
 Project / Client 0526033

10:48
 11-A survey
 30.081723° N
 92.913814° W

seaside goldenrod
 green flatsedge
 black willow
 bushy bluestem
 goldenrod sp.
 baccharis
 yellow nutsedge
 Symphoricarpos sp.
 clover sp. (burr clover)
 Sesbania herbatica
 eleocharis sp.

photo 11-A vegetation
 malabar sprangletop
 grass sp.
 bushy bluestem
 deer prints
 typha sp. (1m tall)

H ← ✓

Location Henning Date 1/12/22
 Project / Client 0526033

vetch sp.
 rubus sp.
 black willow
 brazilian vervane
 juncus sp.
 fall goldenrod
 gallium sp.
 sedge sp. wren bird
 Jody photo'ing grasses
 wild rice?
 Vasey grass
 cricket frog in water
 euphorbia sp.
 peppervine
 Sonchus asper
 photo 11-A veget.
 blue jay

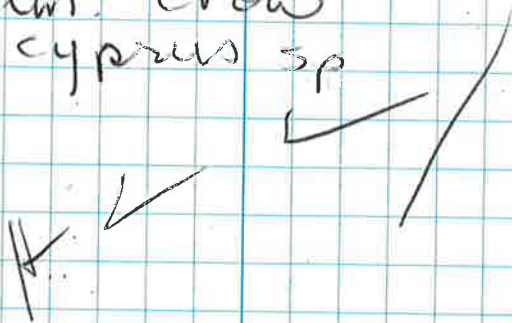
11:20 at 11-F

We see a stain
 photo stain - dark blk
 2' diameter brown
 no smell

Location Henning Date 1/12/22²⁹
 Project / Client 0526033

30.082096
 92.912585
 cardinal (bird)
 30' survey

japanese honeysuckle
 Mex decidua (or sp?)
 woolly rosette grass
 bushy bluestem
 tall goldenrod
 northern dewberry
 brazilian vervane
 Chinese privet
 photo 11-F veg, Helen
 common yellowthroat
 giant ragweed
 am. crow
 cyprus sp



Location Henning Date 1/12/22

Project / Client 0526033

baccharis
 poison ivy
 crawfish
 chined tallow
 blue grey gnatcatcher
 tall goldenrod
 japanese climbing fern
 johnson grass
 junceus sp
 sugarberry
 grape sp.
 poison ivy
 thistle (yellow)
 symphoricarpon ~~ast~~ sp.
 photo ditch near
 IT-F, travels to
 bayou, no sheen
 smilax sp.
 carolina geranium
 wax myrtle
 lichen

H ✓ ✓

Location Henning Date 1/12/22

Project / Client 0526033

sugarcane plume grass
 burr clover
 turkey vulture
 Eastern Phoebe
 11:47 Head towards
 H-7, H-10, H-15 area
 H-11
 12:29 Head to H-11
 area
 common buckeye butterfly
 12:36
 Walking a path around
 water hole, include
 H-11 and 12-A
 record path, record
 vegetation, Emily recording
 yellow rumped warbler
 ruby crown kinglet
 orange crowned warbler

H ✓ ✓

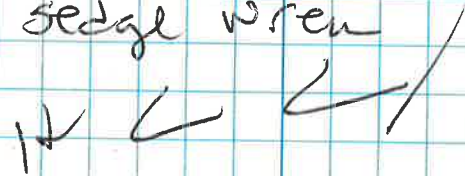
Location Henning Date 1/12/22
 Project / Client 0526033

Northern Harrier
photo water hole
 near H-11/12-A
 common salvinia
 water lily sp
 spatterdock
 red winged blackbird
 cattail sp.
 mosquito fish
photo Jody water
 dip net hole
 duckweed sp.
 cricket frog
 juncus
 alligator weed
 black willow
 chinese tallow
 baccharis
 bushy blues tern
 thistle (yellow)



Location Henning Date 1/12/22
 Project / Client 0526033

seaside goldenrod
 northern dewberry
 wax myrtle
 goldenrod sp.
 brazilian verbena
 eleocharis
 green flatsedge
 Emily photo'd mosquito
 -fish - edge water hole
 dogfennel
 crawfish
 red maple
 perispermatica sp.
 (smartweed)
 bacopa monieri
 highbush blackberry
 Eastern phoebe
 King rail
 fox sedge
 carex florida (look alike)
 sedge wren



Location Henning Date 1/12/22
 Project / Client 0526033

resurrection fern
 climbing hemp vine
 floaty primrose
 willow
 3 photos Emily
 dipnetting
 red winged blackbird

13:48

1:48 at H-3

Jody photo'd
 killdeer
 white faced ibis
 white ibis
 great egret
 snowy egret
 neotropic cormorant

Spoke to "Henning
 guide service"
 employee.
 He takes
 hunters out.

✓ ✓ ✓

Location Henning Date 1/12/22
 Project / Client 0526033

for geese + ducks
 on the Henning
 property

2:00 Heading to
 Lacassine Bayou
 photo egrets
 east of H-3

2:10 Jody photo'd
 ditch that enters
 Bayou Lacassine
 near water pumps

2:15

red bellied woodpecker
 sapsucker
 swamp sparrow
 chickadee
 song sparrow
 red tailed hawk

✓ ✓ ✓

Location Henning Date 1/12/22
 Project / Client 0526033

white eyed vireo
 alligator
 cypress
 tupelo
 greater white
 fronted geese

3 photos Bayou
 Lacassine

2:34 Tried to
 access ditch
 entrance to
 Lacassine, but
 cypress swamp
 was too floatant
 duck hunters

2:36
 rky crown kinglet

✓
 ✓
 ✓

Location Henning Date 1/12/22
 Project / Client 0526033

Bayou Lacassine location
 30.078751 ON
 92.88625 OW
 giant cutgrass
 bald cypress
 spider lily
 pileated woodpecker
 red maple
 tupelo
 sagittaria latifolia
 spanish moss
 Am. elm
 dwarf palmetto
 alligator weed
 Salvinia (common)
 water hyacinth
 apple snail
 persicaria maculata
 alligator
 oak
 baccharis

✓
 ✓
 ✓

Location Henning Date 1/12/22
 Project / Client 0526033

carolina geranium
 stinging nettle ^{MC}
 fern sp.
 vetch
 peppervine
 juncus
 allium sp.
 hibiscus sp.
 brazilian kiwvane
 lady's eardrops
 chinese tallow
 swamp smartweed

3:14

west of Bayou, ricefield
 Am Kestrel
 savannah sparrow
 meadow lark
 Kestrel
 Kingfisher

H ✓

✓

Location Henning Date 1/12/22³⁹
 Project / Client 0526033

3:34 at H-28
 cricket frog
 rabbit pellets
 30.081513 °N (30.081513)
 92.910307 °W

chinese tallow
 cattails
 gray catbird
 persicaria maculata
 red maple
 standing water
 black willow
 climbing hempvine
 juncus
 oak (willow)
 common salvinia
 duckweed
 curly dock
 Florida mud midget
 leopard frog
 alligator weed

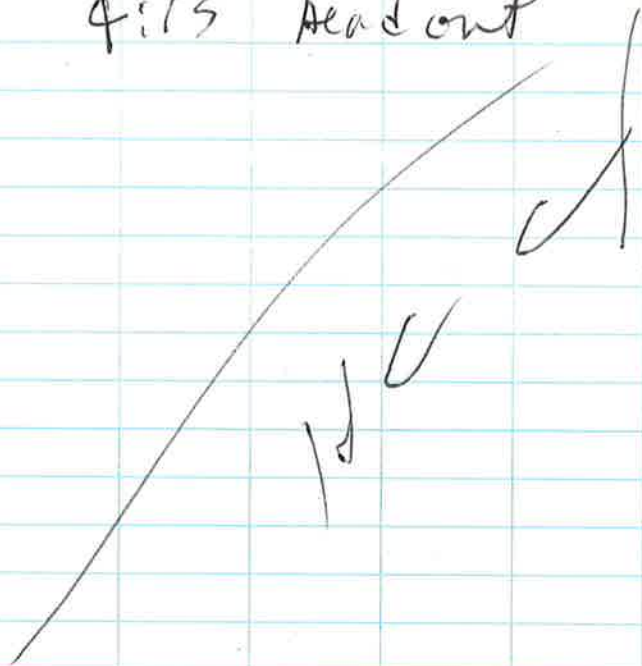
H ✓

Location Henrievy Date 1/12/22
 Project / Client OS26033

dog fennel
 Swamp Sparrow

3:59 photo 11-28
 yellow throated warbler

4:15 Head out



cloudy, cool, soft

1055 onsite, met w/ Shawn
 1125 will slug test MW-8
 1118 At MW-8
 MW-8
 GPC Miller
 w/ Icon

H₂O 5.91

1139 Transducer in
 Depth @ 15.33988

1134 Slug IN @ MW-8 Test 2

1140 Slug out @ MW-8 Test 2

1145 Slug IN @ MW-8 Test 2

1151 Slug out @ MW-8 Test 2

1156 Slug IN @ MW-8 Test 2

1201 Slug out @ MW-8 Test 2

1206 Stop Slug Test @ MW-8 Test 2

Download data

1218 At MW-10

H₂O build

1221 Transducer in

1234 Depth @ 15.121

1235 Slug IN @ MW-10 Test 2

1249 Slug out @ MW-10 Test 2

1255 slug out @ MW-11

1306 Slug IN @ MW-10 Test 2

1322 Slug out @ MW-10 Test 2

1338 Stop slug test @ MW-10 Test 2

Download data Meet Shale Hill

Sunny, mild, low

1350 Discuss slug test w/
 Shawn wigging
 1410 offsite

~~Met @ Shale Hill
 1/12/22~~

88 HENDON MANAGEMENT
0526033

4/29/22
STAN WILGINS

- 1020 ARRIVE ON SITE
1025 KORYN MIRE ON SITE
CONDUCT SAFETY MEETING
AND BEGIN SITE TOUR
1245 COMPLETE SITE TOUR
- LARGE PORTION OF PROPERTY
HAS BEEN BREWED TO CLEAR
VEGETATION
 - ALL PERSONS OFF SITE



Location Henning - Drone Survey Date 7/6/2022

Project / Client _____

Cloudy - 83°, chance of spf, showers

- | | |
|-------|--|
| 0733 | Mike Pardon arrives at Henning site will be meeting with Andrew Buckley and Dan Miller from Expert Services, Shawn Wiggins (ERM), and Annie Lemelin (Ken Miller) |
| 0745 | Shawn Wiggins and Annie Lemelin arrive onsite. |
| 0800 | Andrew Buckley Arrives onsite |
| 0830 | Conducting daily bridge safety meeting. Currently light rain so delay to starting drone flights |
| 0911 | Rain stopped. |
| 0920 | Begin first drone flight (Area 5) |
| 0937 | Complete flight #1 |
| 0941 | Begin drone flight #2. (Area 6) |
| 0955 | Complete flight #2. |
| 10:00 | Rain - halting operations. |
| 11:17 | Still light rain. |
| 11:55 | Resume work |
| 12:22 | Flying Areas 4 and 2. Battery change. |
| 12:32 | Complete Areas 4 and 2. |
| | Partly cloudy, 90° |
| 1242 | Restart over pond, flight. |
| 1300 | Complete flight. |

Location Henning - Drone Survey Date 7/6/2022

5

Project / Client _____

- | | |
|------|---|
| 1340 | - Took lunch break. Set up at Area 1 for drone footage. |
| 1400 | Complete Area 1 Drone Footage. en route to Areas 8 and 9. |
| 1410 | Arrive at Area 8 |
| 1416 | Begin drone survey of Area 8. |
| 1450 | Complete Area 8. moving to Area 9. |
| 1457 | Arrive at Area 9.
Sunny, 91° |
| 1505 | Begin survey of Area 9 |
| 1535 | Complete Area 9 and Bayou. |