Facility Closure Investigation and Environmental Summary

Shable Federal LB33-78HN Wellhead

ECMC Remediation Project #27519

Weld County, Colorado

Attachments:

Figure 1 – General Location Map

Figure 2 – Wellhead Soil Sample and Field Screening Locations

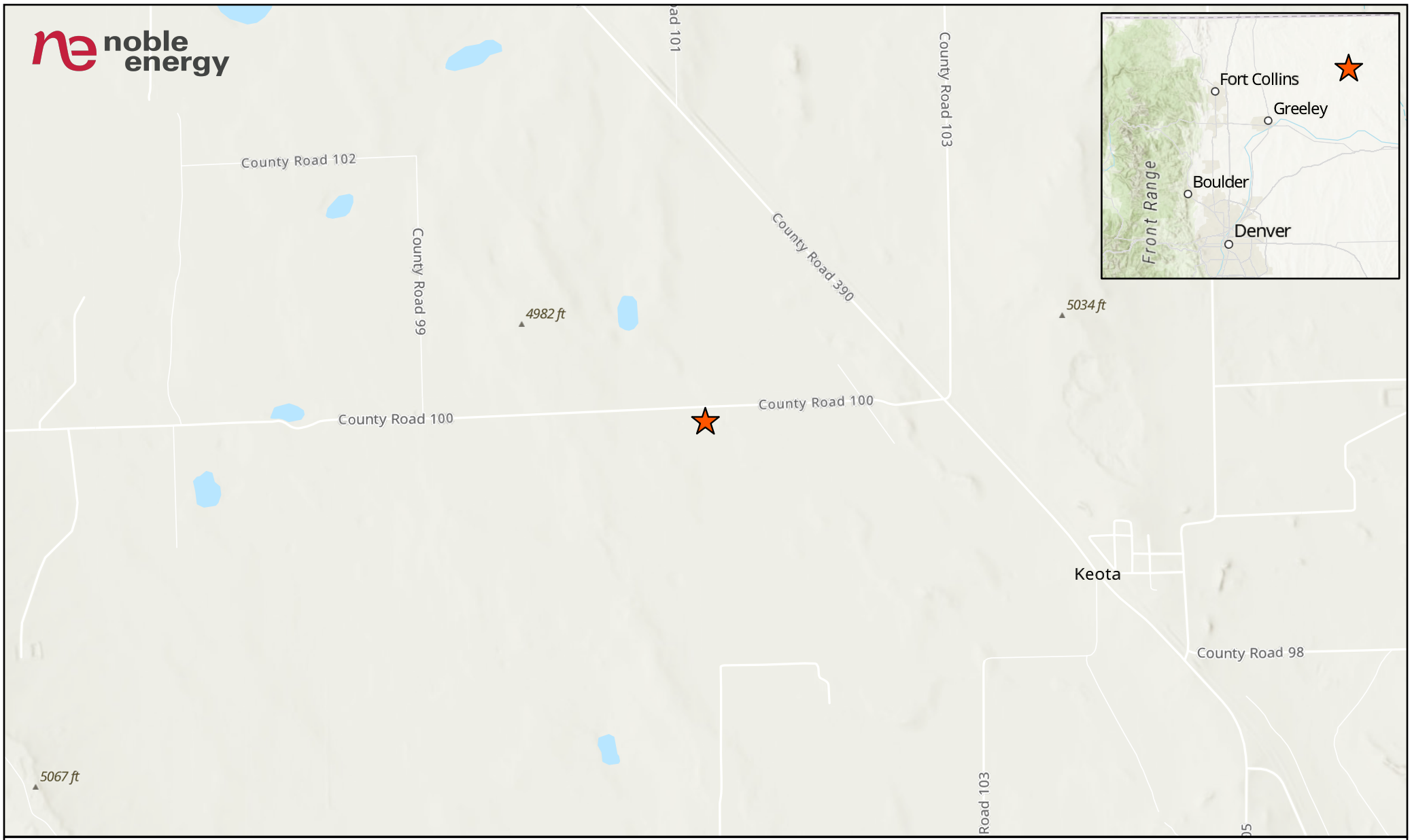
Figure 3 – Excavation Extent and Soil Sample Locations

Figure 4 – Background Soil Sample Locations

Attachment A: Photographic Log

Attachment B: Facility Closure Checklists

FIGURES



LEGEND

★ Site Location

0 0.5 1 Miles

1 inch = 0.5 Mile

N W E S

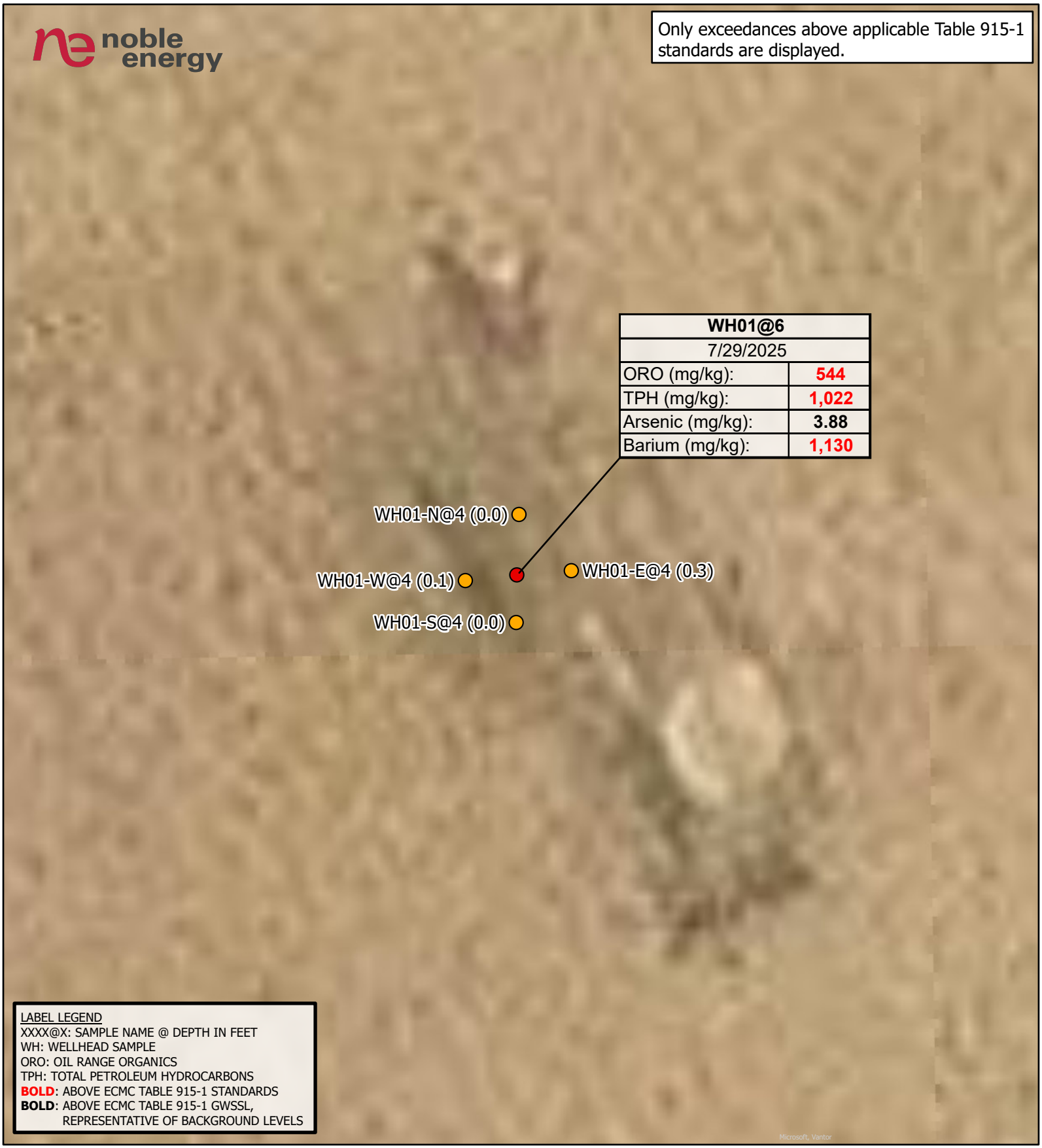
Project No:	025-450
Map By:	JW
Date:	10/15/2025

SHABLE FEDERAL LB33-78HN WELLHEAD
GENERAL LOCATION MAP
NOBLE ENERGY
NW 1/4 NW 1/4 SECTION 33
T9N R60W, 6TH PM
WELD COUNTY, COLORADO

ENTRADA CONSULTING GROUP
610 Garrison St., Unit T
Lakewood, CO 80215
303.378.4036

Figure
1

Only exceedances above applicable Table 915-1 standards are displayed.



LABEL LEGEND
XXXX@X: SAMPLE NAME @ DEPTH IN FEET
WH: WELLHEAD SAMPLE
ORO: OIL RANGE ORGANICS
TPH: TOTAL PETROLEUM HYDROCARBONS
BOLD: ABOVE ECMC TABLE 915-1 STANDARDS
BOLD: ABOVE ECMC TABLE 915-1 GWSSL, REPRESENTATIVE OF BACKGROUND LEVELS

Legend

Soil Sample Screening Location

NOTES:
- Sample Label (PID Result in ppm)
- ppm = parts per million
- PID = photoionization detector

0 5 10 Feet

1 inch = 10 Feet

N W E S

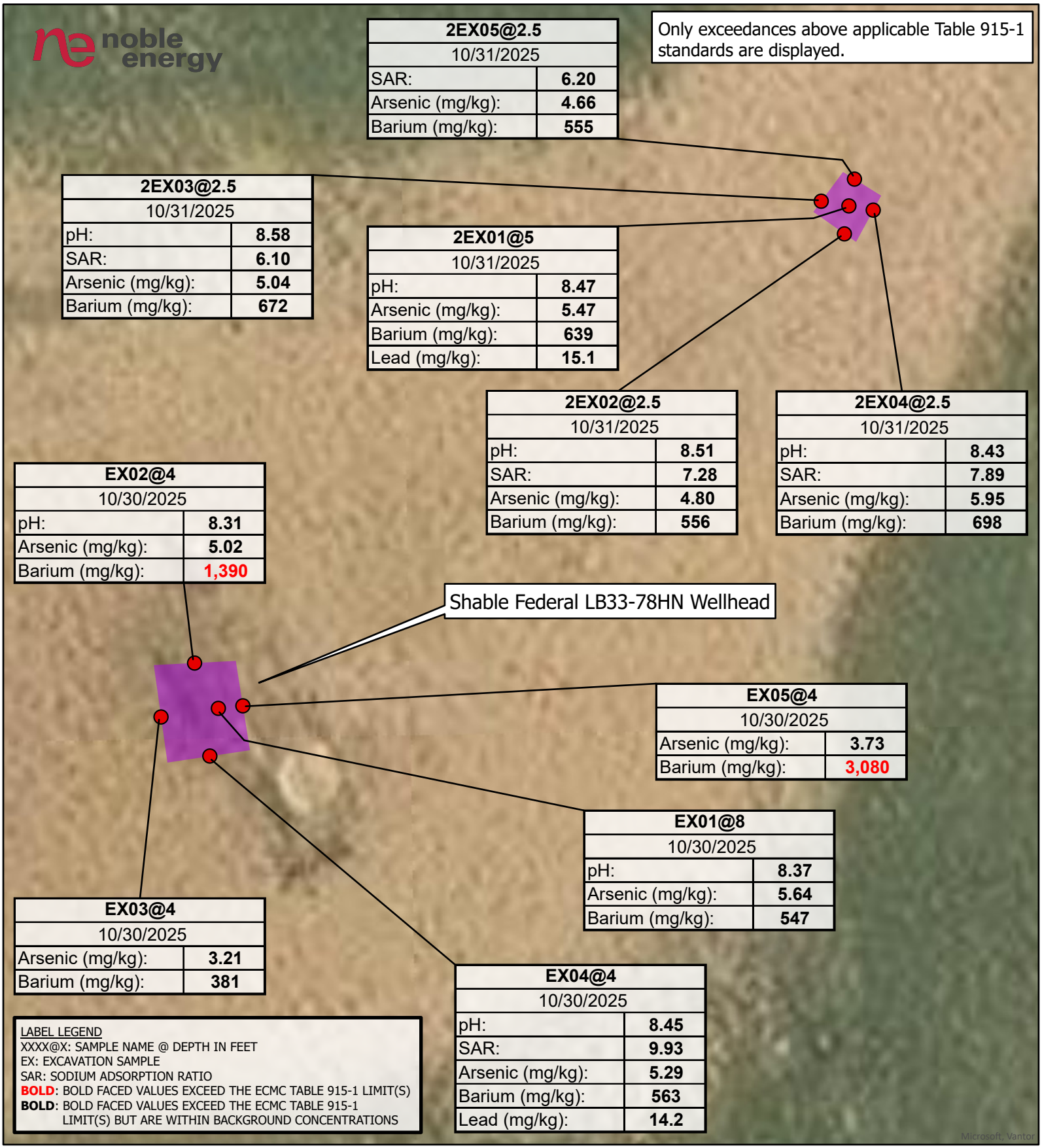
Project No:	025-450
Map By:	JW
Date:	02/19/2026

SHABLE FEDERAL LB33-78HN WELLHEAD
SOIL SAMPLE AND FIELD SCREENING LOCATIONS
NOBLE ENERGY
NW 1/4 NW 1/4 SECTION 33
T9N R60W, 6TH PM
WELD COUNTY, COLORADO

ENTRADA CONSULTING GROUP
610 Garrison St., Unit T
Lakewood, CO 80215
303.378.4036

Figure 2

Chevron, Figure 2 - _Template Noble Wellhead - Soil Sample and Field Screening Locations



Legend

Soil Sample Excavation Extent

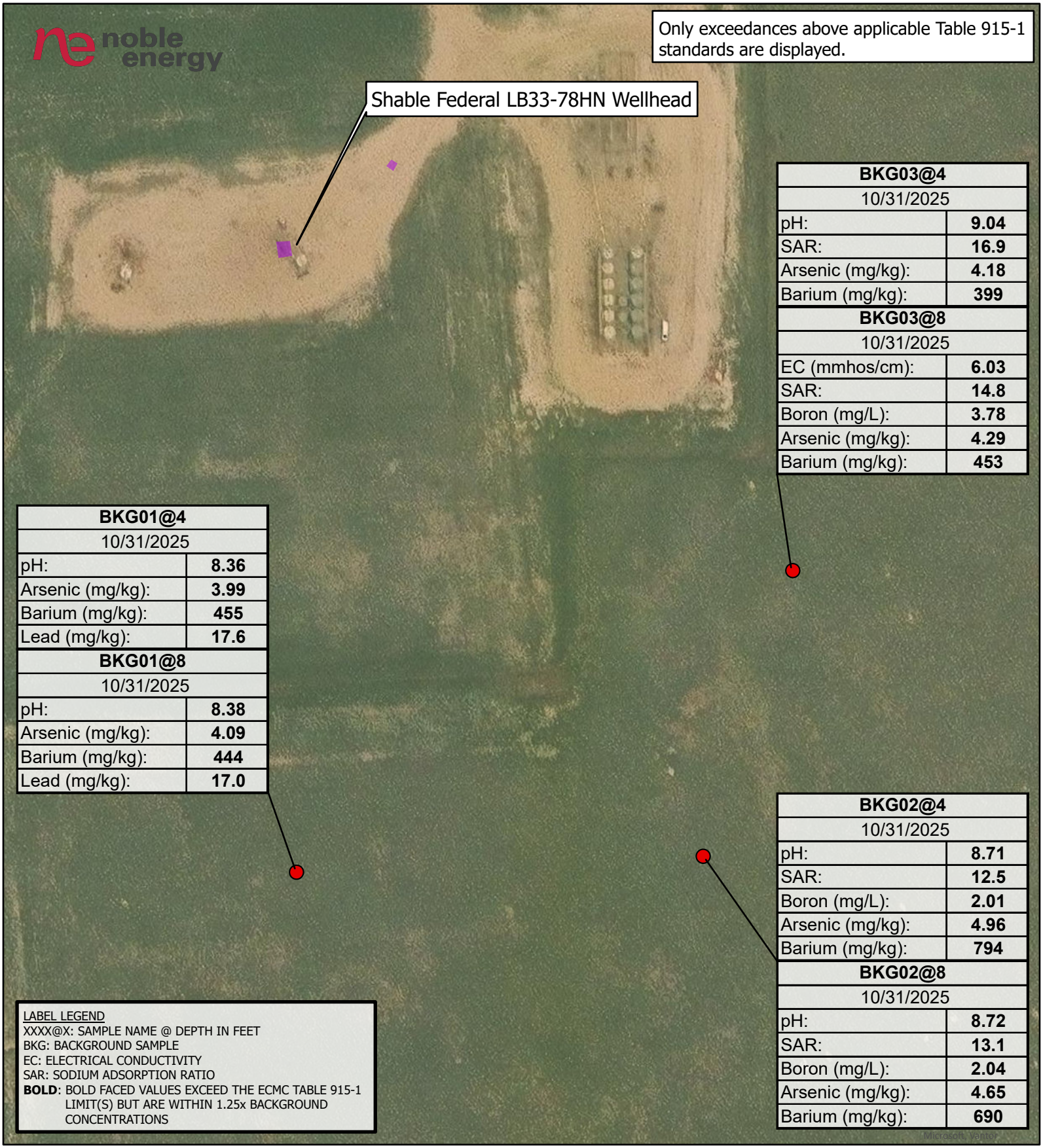
0 10 20 Feet

1 inch = 20 Feet

N W E S

Project No: 025-450	**SHABLE FEDERAL LB33-78HN WELLHEAD** **EXCAVATION EXTENT AND SOIL SAMPLE LOCATIONS** NOBLE ENERGY NW 1/4 NW 1/4 SECTION 33 T9N R60W, 6TH PM WELD COUNTY, COLORADO	ENTRADA CONSULTING GROUP	610 Garrison St., Unit T Lakewood, CO 80215 303.378.4036	Figure
Map By: JW				3
Date: 02/19/2026				

Chevron, Figure 3 - Shable Federal LB33-78HN Wellhead - Excavation Sample Locations



BKG03@4	
10/31/2025	
pH:	**9.04**
SAR:	**16.9**
Arsenic (mg/kg):	**4.18**
Barium (mg/kg):	**399**

BKG03@8	
10/31/2025	
EC (mmhos/cm):	**6.03**
SAR:	**14.8**
Boron (mg/L):	**3.78**
Arsenic (mg/kg):	**4.29**
Barium (mg/kg):	**453**

BKG01@4	
10/31/2025	
pH:	**8.36**
Arsenic (mg/kg):	**3.99**
Barium (mg/kg):	**455**
Lead (mg/kg):	**17.6**

BKG01@8	
10/31/2025	
pH:	**8.38**
Arsenic (mg/kg):	**4.09**
Barium (mg/kg):	**444**
Lead (mg/kg):	**17.0**

BKG02@4	
10/31/2025	
pH:	**8.71**
SAR:	**12.5**
Boron (mg/L):	**2.01**
Arsenic (mg/kg):	**4.96**
Barium (mg/kg):	**794**

BKG02@8	
10/31/2025	
pH:	**8.72**
SAR:	**13.1**
Boron (mg/L):	**2.04**
Arsenic (mg/kg):	**4.65**
Barium (mg/kg):	**690**

LABEL LEGEND
XXXX@X: SAMPLE NAME @ DEPTH IN FEET
BKG: BACKGROUND SAMPLE
EC: ELECTRICAL CONDUCTIVITY
SAR: SODIUM ADSORPTION RATIO
BOLD: BOLD FACED VALUES EXCEED THE ECMC TABLE 915-1 LIMIT(S) BUT ARE WITHIN 1.25x BACKGROUND CONCENTRATIONS

Legend

Soil Sample Excavation Extent

0 60 120 Feet

1 inch = 120 Feet

N W E S

Project No: 025-450	**SHABLE FEDERAL LB33-78HN WELLHEAD BACKGROUND SOIL SAMPLE LOCATIONS** NOBLE ENERGY NW 1/4 NW 1/4 SECTION 33 T9N R60W, 6TH PM WELD COUNTY, COLORADO	ENTRADA CONSULTING GROUP	Figure
Map By: JW		610 Garrison St., Unit T Lakewood, CO 80215 303.378.4036	4
Date: 02/19/2026			

Chevron, Figure 4 - Shable Federal LB33-78HN Wellhead - Background Sample Locations

ATTACHMENT A
PHOTOGRAPHIC LOG

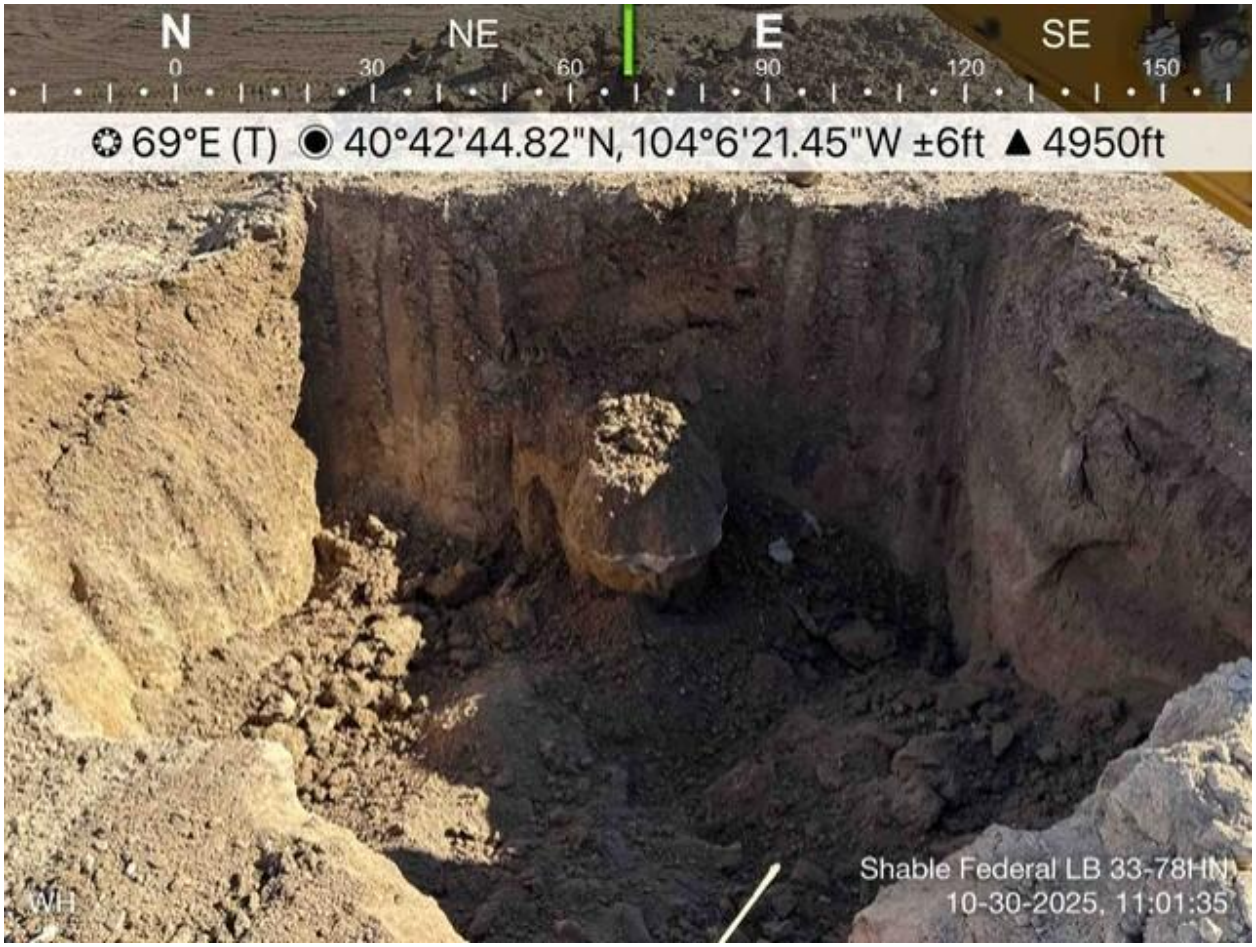
Shable Federal LB33-78HN Photographic Log

Wellhead Facility Closure – July 29, 2025


W
NW
N
NE
E
270
300
330
0
30
60
90
3°N (T)
40°42'44.55"N, 104°6'21.20"W ±13ft
4945ft
Shable Federal LB33-78HN
07-29-2025, 14:59:33
WH


E
SE
S
SW
60
90
120
150
180
210
240
152°SE (T) 40°42'44.76"N, 104°6'21.18"W ±13ft 4948ft
Shable Federal LB33-78HN
07-29-2025 14:59:16
WH

Wellhead Source Mass Removal Activities – October 30, 2025

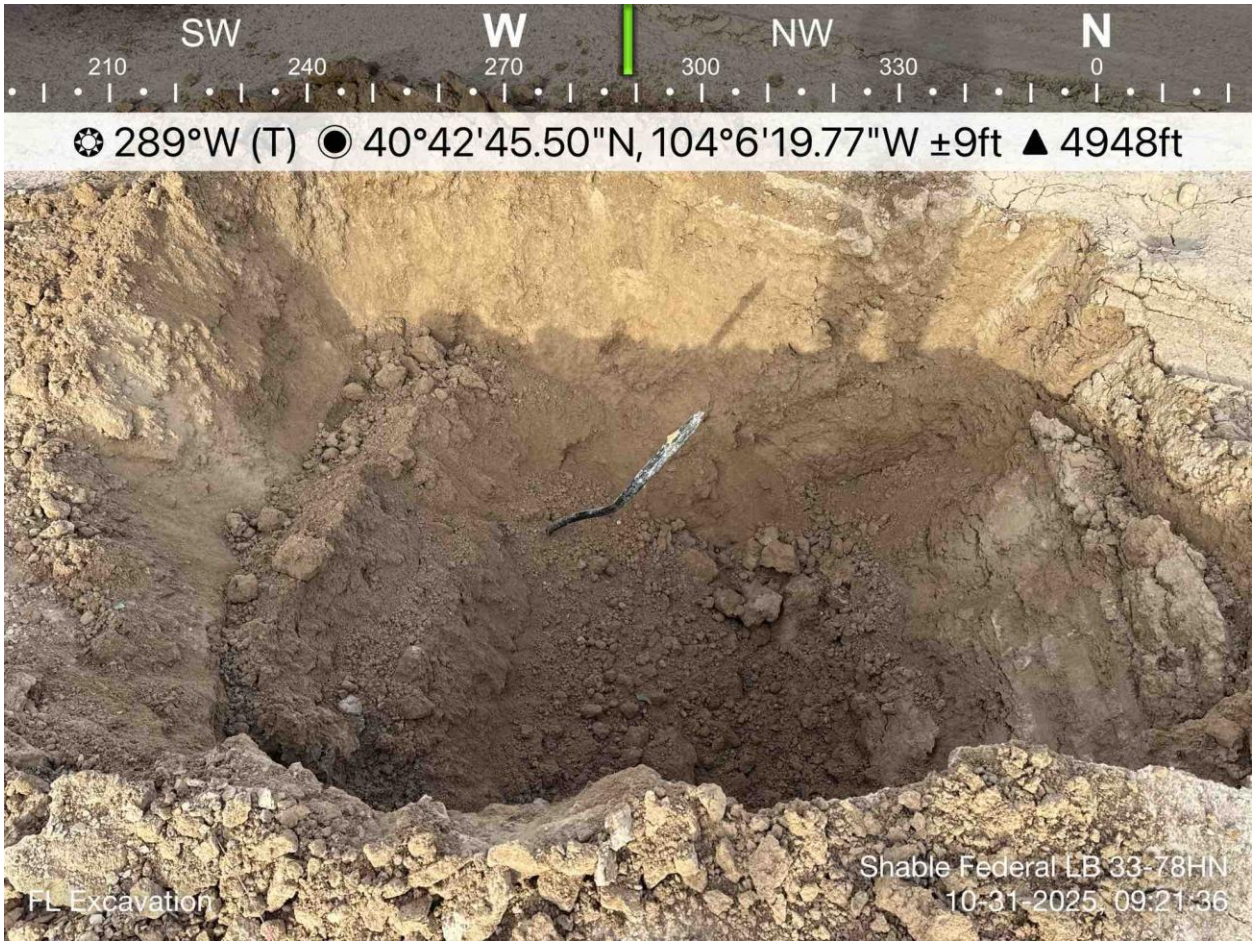


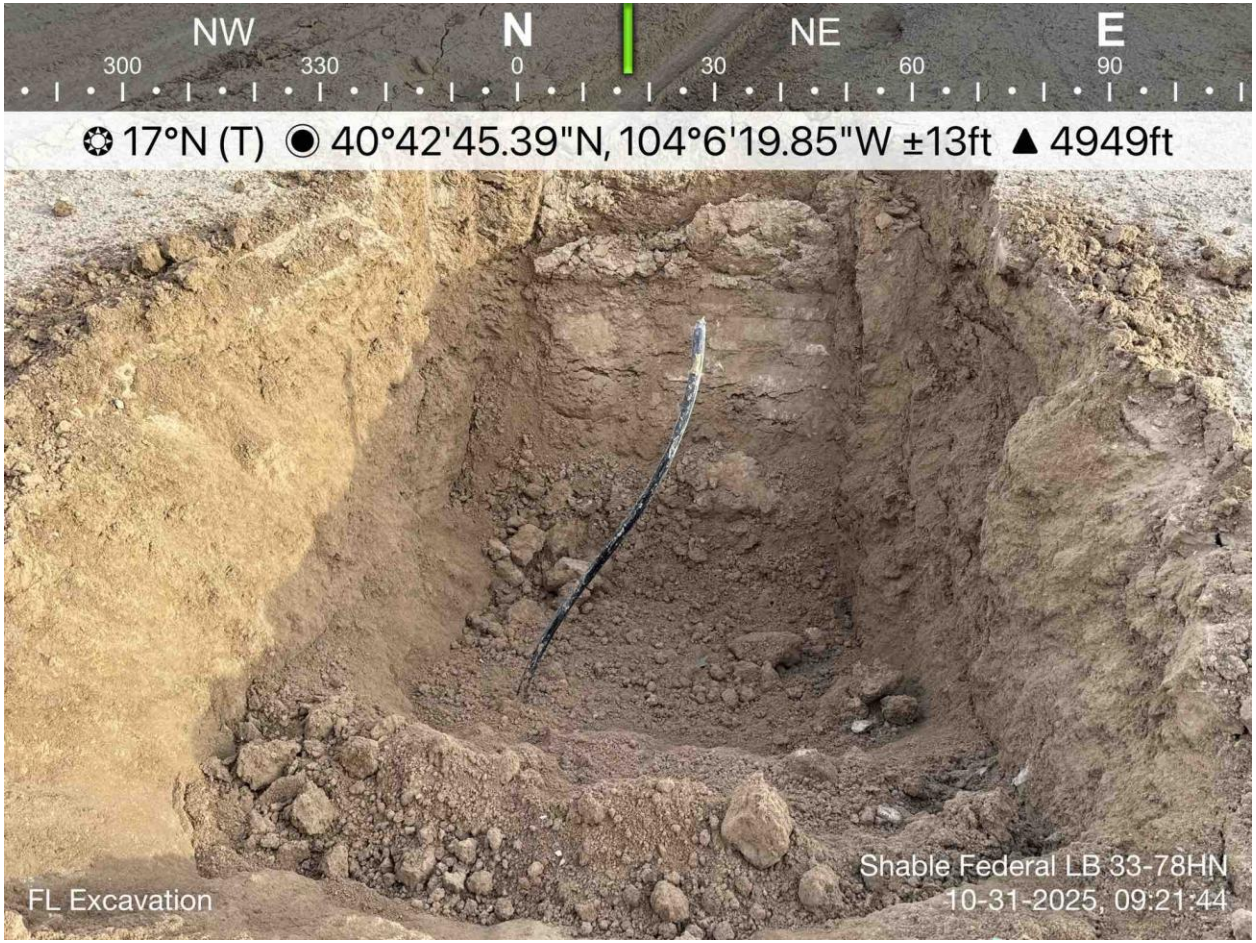

W
270
NW
300
330
N
0
30
NE
60
343°N (T) 40°42'44.75"N, 104°6'21.30"W ±6ft 4952ft
Shable Federal LB 33-78HN
10-30-2025, 11:01:48
WH

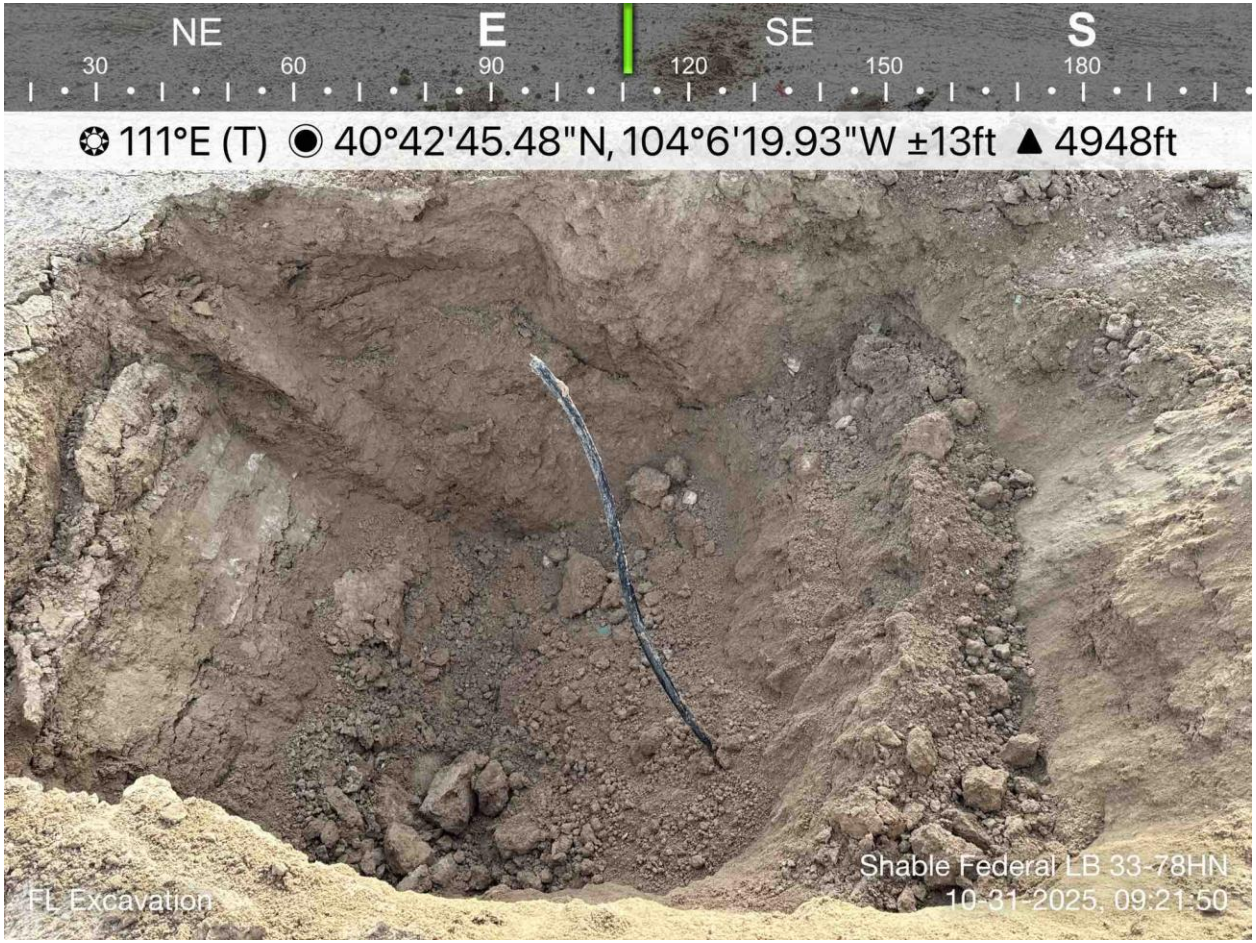

S
SW
W
NW
N
180
210
240
270
300
330
0
273°W (T) 40°42'44.89"N, 104°6'21.18"W ±6ft 4951ft
WH
Shable Federal LB 33-78HN
10-30-2025, 11:01:55


SE
S
SW
W
120
150
180
210
240
270
186°S (T) 40°42'45.01"N, 104°6'21.43"W ±6ft 4948ft
Shable Federal LB 33-78HN
10-30-2025 11:02:03

Flowline Source Mass Removal Activities – October 31, 2025




NW
N
NE
E
300
330
0
30
60
90
17°N (T) 40°42'45.39"N, 104°6'19.85"W ±13ft 4949ft
FL Excavation
Shable Federal LB 33-78HN
10-31-2025, 09:21:44


NE
E
SE
S
30
60
90
120
150
180
111°E (T) 40°42'45.48"N, 104°6'19.93"W ±13ft 4948ft
FL Excavation
Shable Federal LB 33-78HN
10-31-2025, 09:21:50


SE
S
SW
W
120
150
180
210
240
270
200°S (T) 40°42'45.57"N, 104°6'19.76"W ±13ft 4948ft
FL Excavation
Shable Federal LB 33-78HN
10-31-2025, 09:21:57

ATTACHMENT B
FACILITY CLOSURE CHECKLISTS

Wellhead Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure		Partially Buried Vault Closure

Site Name & COGCC Facility Number:	*Date:*	*Remediation Project #:*
Shable Federal LB33-78HN, 431816	7/29/2025, 10/30-31/2025	27519
Associated Wells:	*Age of Site:*	*Number of Photos Attached:*
NA	3/29/2013 - spud date	11
Location: *(GPS coordinates of wellhead or southeastern most wellhead for multiple)*		*Estimated Facility Size (acres):*
40.712413 / -104.105882		~0.01

General Condition of Site: *(General observations regarding housekeeping, corrosion, waste management, etc.)*

Overall good

USCS Soil Type:	*Estimated Depth to Groundwater:*
GC, SP, SM, ML	Unknown as none encountered

Hydrocarbon Impacted Soils / Spills: *(Note estimated size and if impact appears to be surficial or extends to an unknown depth)*

Hydrocarbon impacted soils were discovered WH C&C and FL decommissioning; ~92 cubic yards of impacted soils were hauled offsite to Pawnee Waste

Salt Crusted Soils or Impacted Vegetation: *(Note estimated size and if impact appears to be surficial or extends to an unknown depth)*

None encountered or observed

Wellhead(s)

Well API	05-123-36799					
Age	3/29/2013 - spud date					
Condition of surface around wellhead	Good					
PID Readings	0.0 - 18.1 ppm					
Condition of subsurface (staining present	Good					
PID Readings	0.0 - 18.1 ppm					
Sample taken? Location/Sample ID#	See site report					
Photo Number(s)	1 - 11					

Other observations regarding wellheads:

Summary

Was impacted soil identified?

☐ No ☐ Yes - less than 10 cubic yards ☑ Yes - more than 10 cubic yards

Total number of samples field screened:	*Total number of samples collected:*
19	19
Highest PID Reading:	*Total number of samples submitted to lab for analysis:*
18.1 ppm	15

If more than 10 cubic yards of impacted soil were observed:

Vertical extent:	*Estimated spill volume:*
~8 ft-bgs	Unknown/Historical
Lateral extent:	*Volume of soil removed:*
~260 square feet	~92 cubic yards

Is additional investigation required? Yes, inorganic exceedances remain at the site following SSMR

Was groundwater encountered during the investigation?

☑ No ☐ Yes - not impacted or in contact with impacted soils ☐ Yes - groundwater impacted and/or in contact with impacted soils

Measured depth to groundwater:	*Was remedial groundwater removal conducted?* ☐ Yes ☐ No
Date Groundwater was encountered:	*Commencement date of removal:*
Sheen on groundwater? ☐ Yes ☐ No	*Volume of groundwater removed prior to sampling:*
Free product observed? ☐ Yes ☐ No	*Volume of groundwater removed post sampling:*
Total number of samples collected:	*Total Volume of groundwater removed:*
Total number of samples submitted to lab for analysis:	