



McNabb Partners, LLC
Hobbs • Carlsbad • Midland
575.397.0050
www.mcnabbpartnersllc.com

September 6, 2024

NM Oil Conservation Division
Environmental Bureau
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Closure Request
Incident ID: nAPP2225631487
Maddren A Federal # 004
Project ID: 20220909-jjInvest-maddrenAFed4

NMOCD:

McNabb Partners submits this closure request on behalf of J & J Investments, LLC.

The release occurred on September 9, 2022, due to a human error. This resulted in a fire and a release of approximately 10 bbls of crude oil and 35 bbls of produced water. Soil sampling results indicate that all released fluids were consumed during the fire.

1. Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to the characterization table below for additional setback criteria and Plates 2-9 for verification.

1.1. Site Map

The horizontal extent of the release was determined by reported visual observations. Plate 1 shows the release extent relative to Maddren A Federal # 004 well pad. The source of the release is located at 32.81192, -103.97377 (Lat, Long; NAD83). The fire overspray covered an area of approximately 9,200 sq. ft.



20220909-jjInvest-maddrenAFed4

Maddren A Federal # 004

nAPP2225631487

Site Characterization		
What is the shallowest depth to groundwater (ft bgs)	Plate 2	No Wells within ½ mile, closest is 1.05 miles away NW : RA 11914 POD1 – total depth 85 ft, DTW 80 ft.
What measure was used to determine this?		OSE database
Did this release impact ground or surface water?		No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
• A continuously flowing watercourse or any other significant watercourse	Plate 6	Cedar Lake 2.2 miles away SE
• Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	Plate 6	Cedar Lake 2.2 miles away SE
• An occupied permanent residence, school, hospital, institution or church	Plate 5	Trailer N 0.3 mi
• A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes	Plate 3	>0.5 mi
• Any other fresh water well or spring	Plate 3	>0.5 mi
• Incorporated municipal boundaries or a defined municipal fresh water well field	Plate 3	Loco Hills town 1600 ft away N. >0.5 mi
• A wetland	Plate 6	Cedar Lake 2.2 miles away SE
• A subsurface mine	Plate 7	>5 miles
• A (non-karst) unstable area		>5 miles
• Categorize the risk of this well/site being in a karst geology	Plate 8	Low
• A 100-year floodplain	Plate 9	>1 mile
• Did the release impact areas not on an exploration, development, production, or storage site?		No



1.2. Depth to Ground Water

Based on a review of the USGS and NMOSE groundwater databases, there are no known groundwater sources within ½-mile of the Site. The nearest identified boring CP-01448-POD1 is located approximately 1.1 miles northwest of the release extent and was drilled in 2015 to 85 feet below ground surface (ft bgs) with a reported depth-to-water at 80 ft bgs. The boring is identified on Plate 2 according to their OSE File #. The Point of Diversion Summary is located in Appendix B.

1.3. Wellhead Protection Area

Plate 3 shows that the release extent is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Not within ½-mile of any documented water sources (wells and springs).
- Not within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Not within 1000 feet of any other freshwater well or spring.

1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:

- Not within ½ mile of a significant water course.
- Not within 300 feet of a continuously flowing watercourse or any other significant watercourse.
- Not within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

1.5. Soil/Waste Characteristics

The USDA Natural Resources Conservation Service (NRCS) soil survey¹ describes the upper 5-feet of lithology as

- Berino complex, (100% of area)
 - Slope: 0 to 3 percent
 - Typical profile
 - ✓ H1 - 0 to 17 inches: fine sand
 - ✓ H2 - 17 to 58 inches: sandy clay loam
 - ✓ H3 - 58 to 60 inches: loamy sand

The lithology as described by the NRCS is consistent with professional observations during trench sampling activities during characterization sampling.

¹ NRCS Field Guide and the NRCS web survey tool (<https://websoilsurvey.nrcs.usda.gov/app/>)



20220909-jjInvest-maddrenAFed4

Maddren A Federal # 004

nAPP2225631487

1.6. Characterization Sampling Results

Closure Criteria as listed in Table I of 19.15.29 NMAC, where depth to water is undetermined, is defined as:

DTW - Unknown	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
0 - 4 feet & "not in-use"	600	--	100	10	50
> 4 ft or "in-use"	600	--	100	10	50

Initial characterization in the area of interest was conducted on July 19th, 2024. McNabb Partners were on site to field-screen and collect soil samples from soil sampling trenches excavated by JC Services using a backhoe.

Five (5) vertical delineation grab samples (i.e., CS-01 through CS-05) were collected from each trench within the area of interest at depths of 0-2 and 2-4 ft bgs. Four (4) horizontal delineation grab samples (i.e., H-01 through H-04) were collected adjacent to the area of interest at depths of 0-2 and 2-4 ft bgs.

Discrete samples for vertical and horizontal delineation were collected from backhoe trenches at associated sample points. Once the backhoe trench was dug to desired depth, a hand auger was deployed for sample collection to avoid cross-contamination with soils in the upper soil column that may have been entrapped in the backhoe bucket. Vertical delineation extended to 4-feet below ground surface.

All samples were analyzed for BTEX, TPH and Chloride by Cardinal Laboratories. Analytical results indicated that all samples were below constituent concentrations from Table I of 19.15.29 NMAC Closure Criteria at all depths.

- Plate 10 shows the delineation sample locations.
- Table A shows the summary of analytical data.

2. Remediation and Closure Request

Remediation Plan	
Requesting a remediation plan approval with this submission?	Yes
Have the lateral and vertical extents of the contamination been fully delineated?	Yes
Was this release entirely contained within a lined containment area?	No
Soil Contamination Sampling (Highest observable value for each in mg/kg)	
• Chloride	304



20220909-jjInvest-maddrenAFed4

Maddren A Federal # 004

nAPP2225631487

• TPH (DRO+GRO+MRO)	50
• GRO+DRO	32.1
• BTEX	0.3
• Benzene	0.05
On what estimated date will the remediation commence	7/19/2024
On what date will (or did) the final sampling or liner inspection occur	7/19/2024
On what date will (or was) the remediation completed	8/1/2024
What is the estimated surface area (in square feet) that will be reclaimed	9,200
What is the estimated volume (in cubic yards) that will be reclaimed	85
What is the estimated surface area (in square ft) that will be remediated	9,200
What is the estimated volume (in cubic yards) that will be remediated	85
The remediation will (or is expected to) utilize the following processes to remediate/reduce contaminants:	
• Excavation and off-site disposal	Yes
• Excavation and on-site disposal	
• Soil Vapor Extraction (in Situ)	
• Chemical processing (in Situ)	
• Biological processing (in Situ)	
• Physical processing (in Situ)	
• Groundwater abatement	
• Other (non-listed remedial process)	Yes
• Other non-listed remedial process. Please specify	No remediation required, as no spill impacts have been found.

20220909-jjInvest-maddrenAFed4

Maddren A Federal # 004

nAPP2225631487

Remediation Closure Request	
Requesting a remediation closure approval with this submission?	Yes
Have the lateral and vertical extents of contamination been fully delineated?	Yes
Was this release entirely contained within a lined containment area?	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized?	Yes
What was the total surface area (in sq ft) remediated?	9,200
What was the total volume (cubic yards) remediated?	85
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of 4 ft non waste containing material with concentration less than 600 mg/kg chlorides?	Yes
What was the total surface area (in sq ft) reclaimed?	9,200
What was the total volume (in cubic yards) reclaimed?	85
Summarize any addition remediation activities not included in answers above	No remediation was required, as no spill impacts have been found.

Analytical results confirm no vertical or horizontal impacts of the release are present indicating all fluids were completely consumed in the fire. Therefore, remediation was limited to removing all visual impacts of the fire residue from the top 4 inch of caliche layer. Clean non-waste containing caliche was used for backfill material to restore the surface to an active production pad for oil and gas operations. Please refer to the composite sample "BACKFILL-01" in the Table A.

We respectfully ask NMOCD for a closure of the incident ID: nAPP2225631487. Based on the site assessment, the site is compliant with NMOCD and BLM regulatory limits and no further actions are required at the site. If you have any questions regarding this report or inquire about additional information, please contact us at 917-497-6890.

Sincerely,



Dimitry Nikanorov
Environmental Manager
McNabb Partners
(917) 497-6890



September 6, 2024

Page 6 of 7

20220909-jjInvest-maddrenAFed4
Maddren A Federal # 004
nAPP2225631487

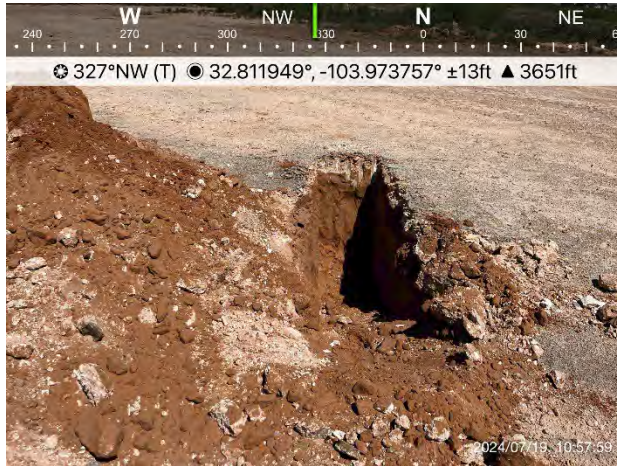


Figure 1. Trench Sampling.



Figure 2. Trench Sampling.



Figure 3. Area of Interest.



Figure 4. Area of Interest.

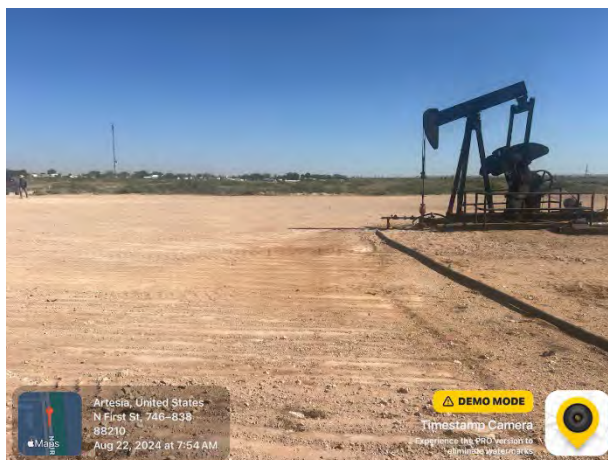


Figure 5. Area of Interest after scraping.

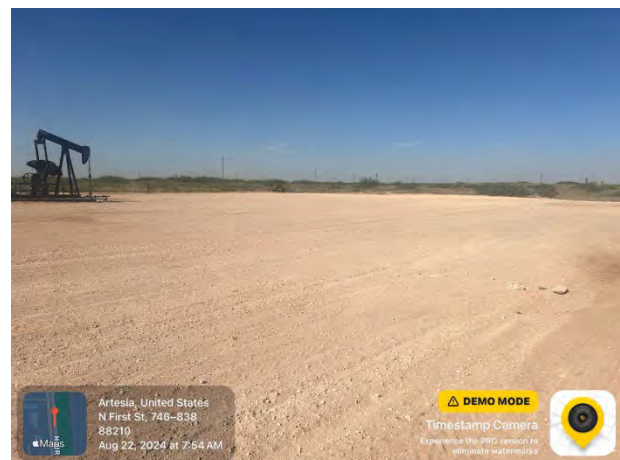
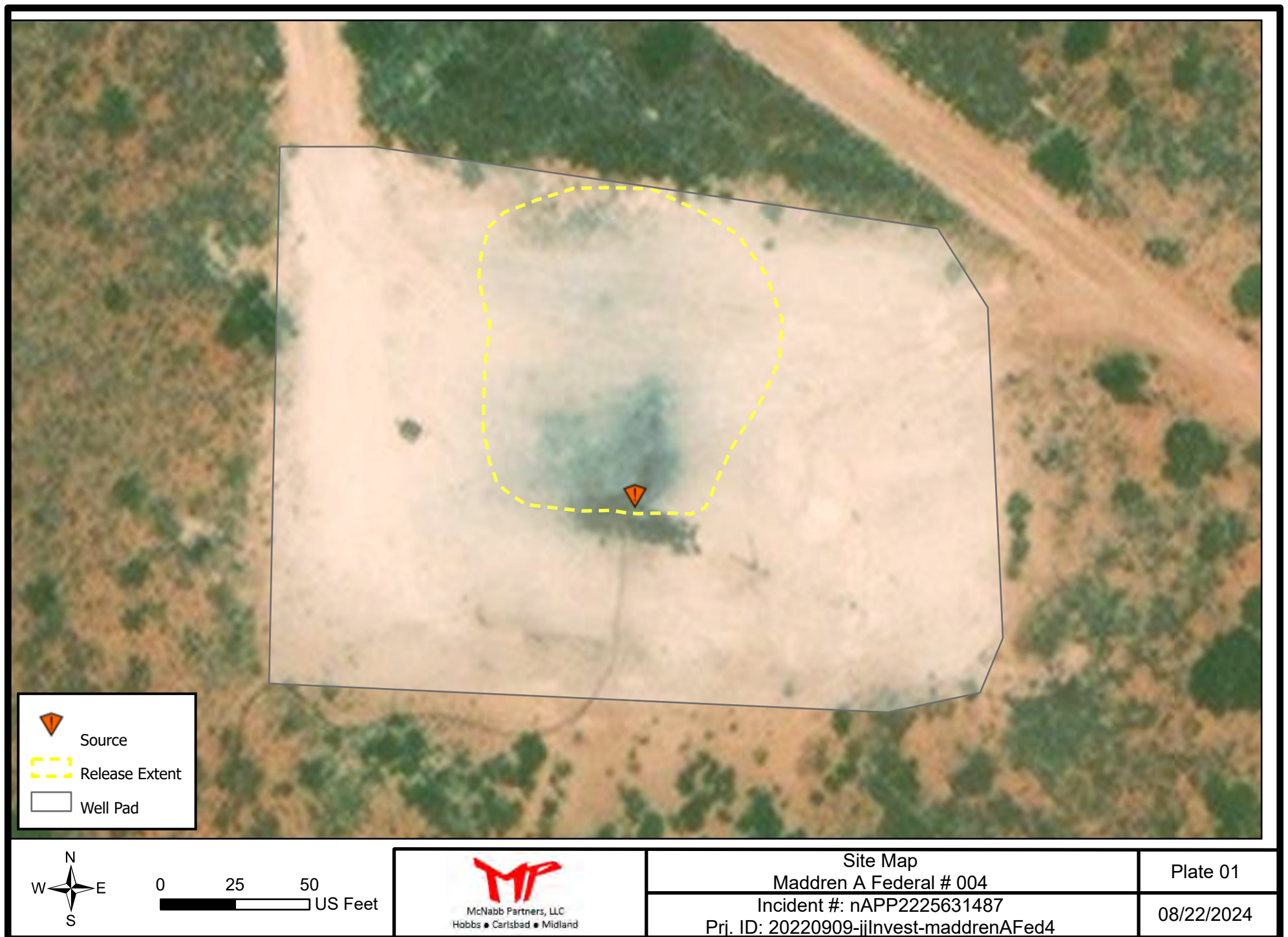


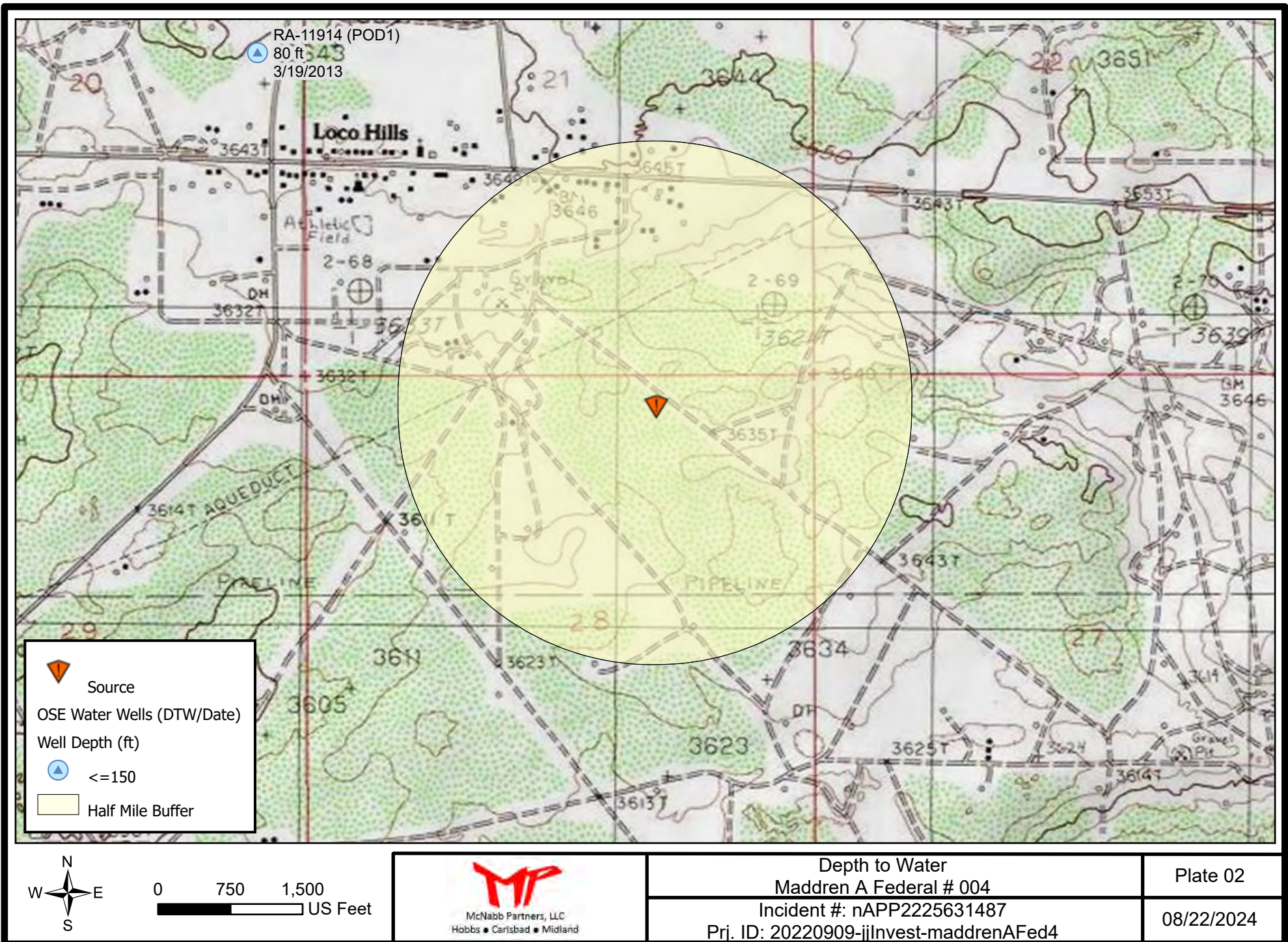
Figure 6. Area of Interest after scraping.

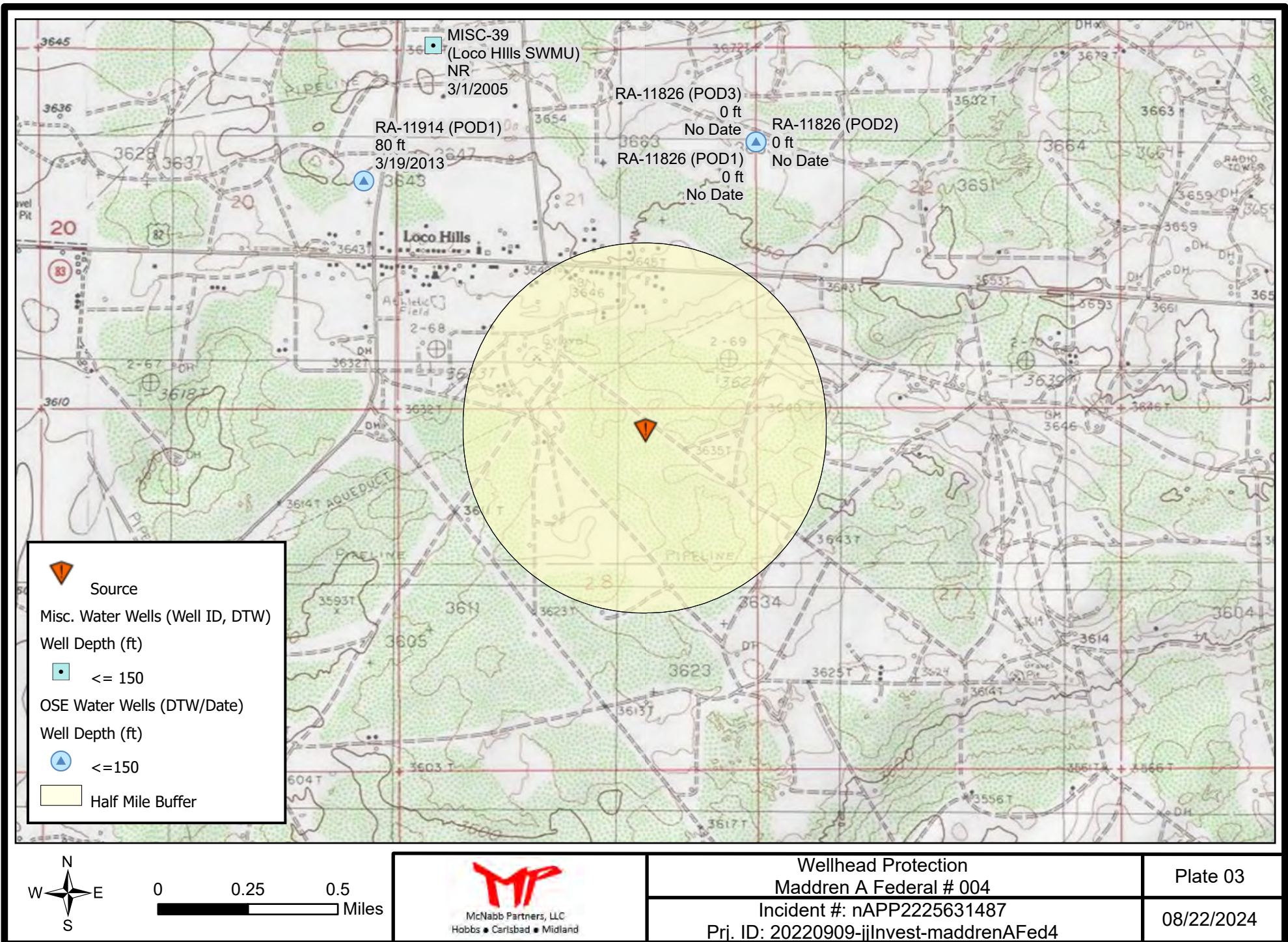
Plates

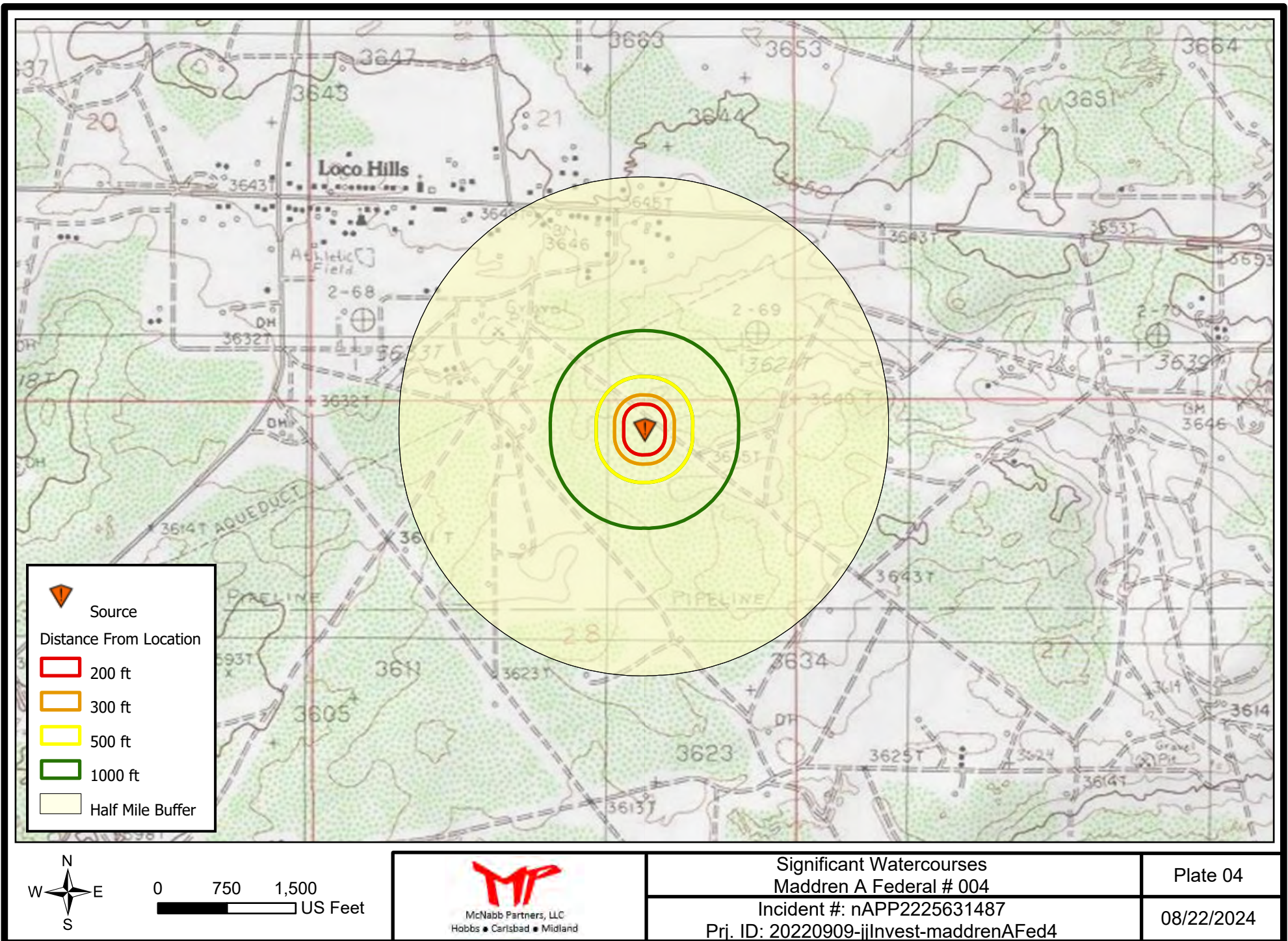


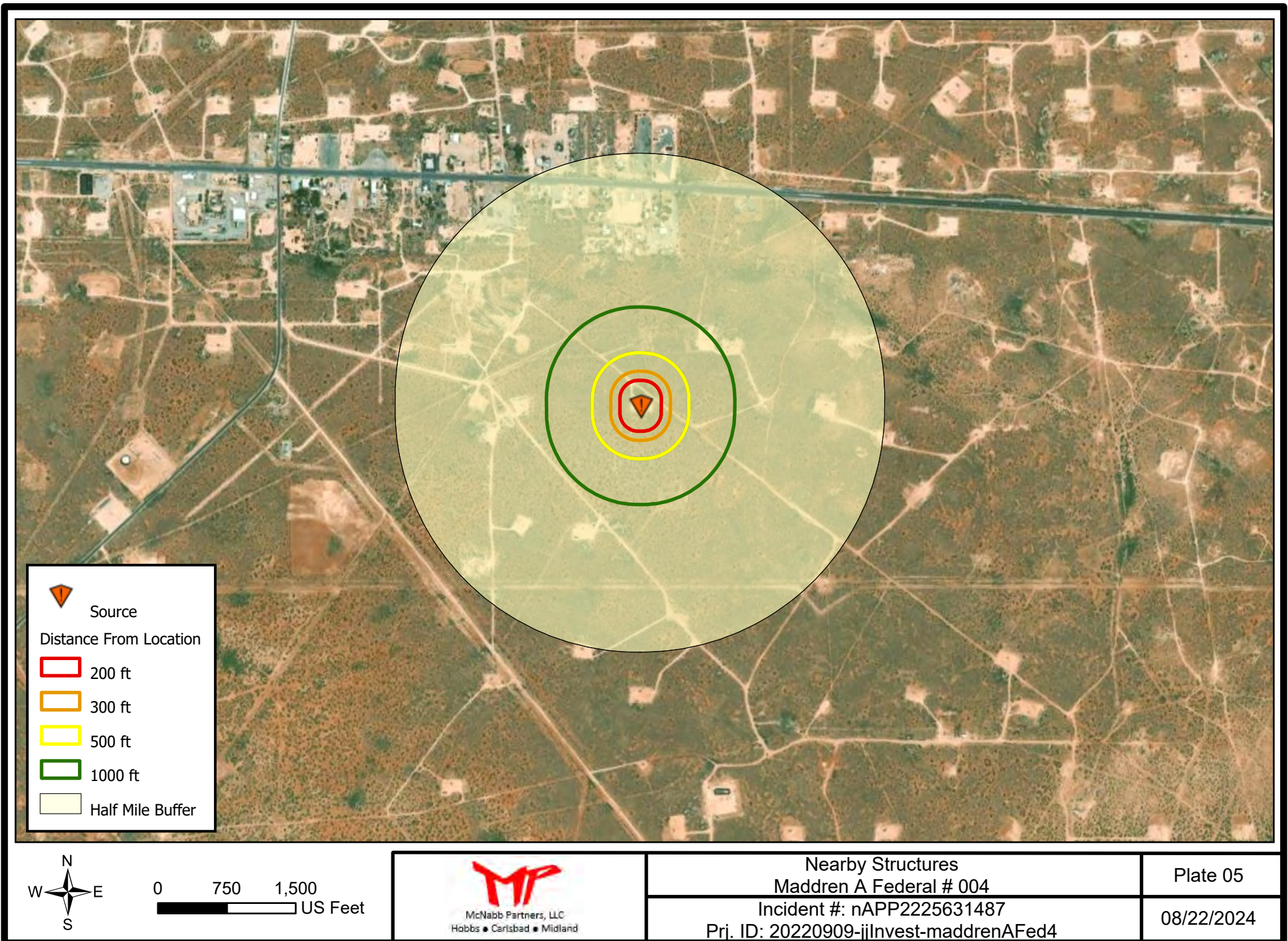
McNabb Partners, LLC
Hobbs • Carlsbad • Midland

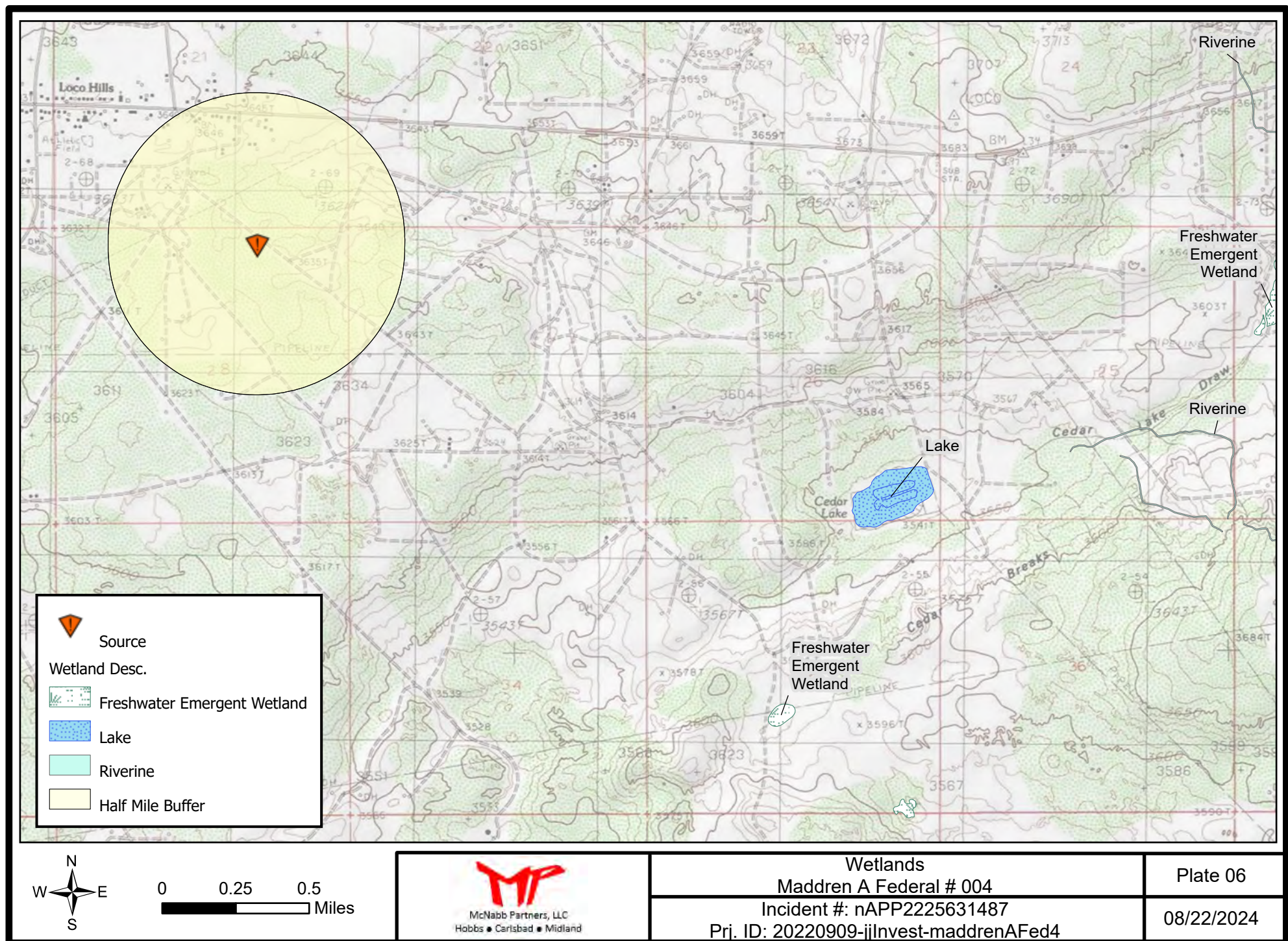


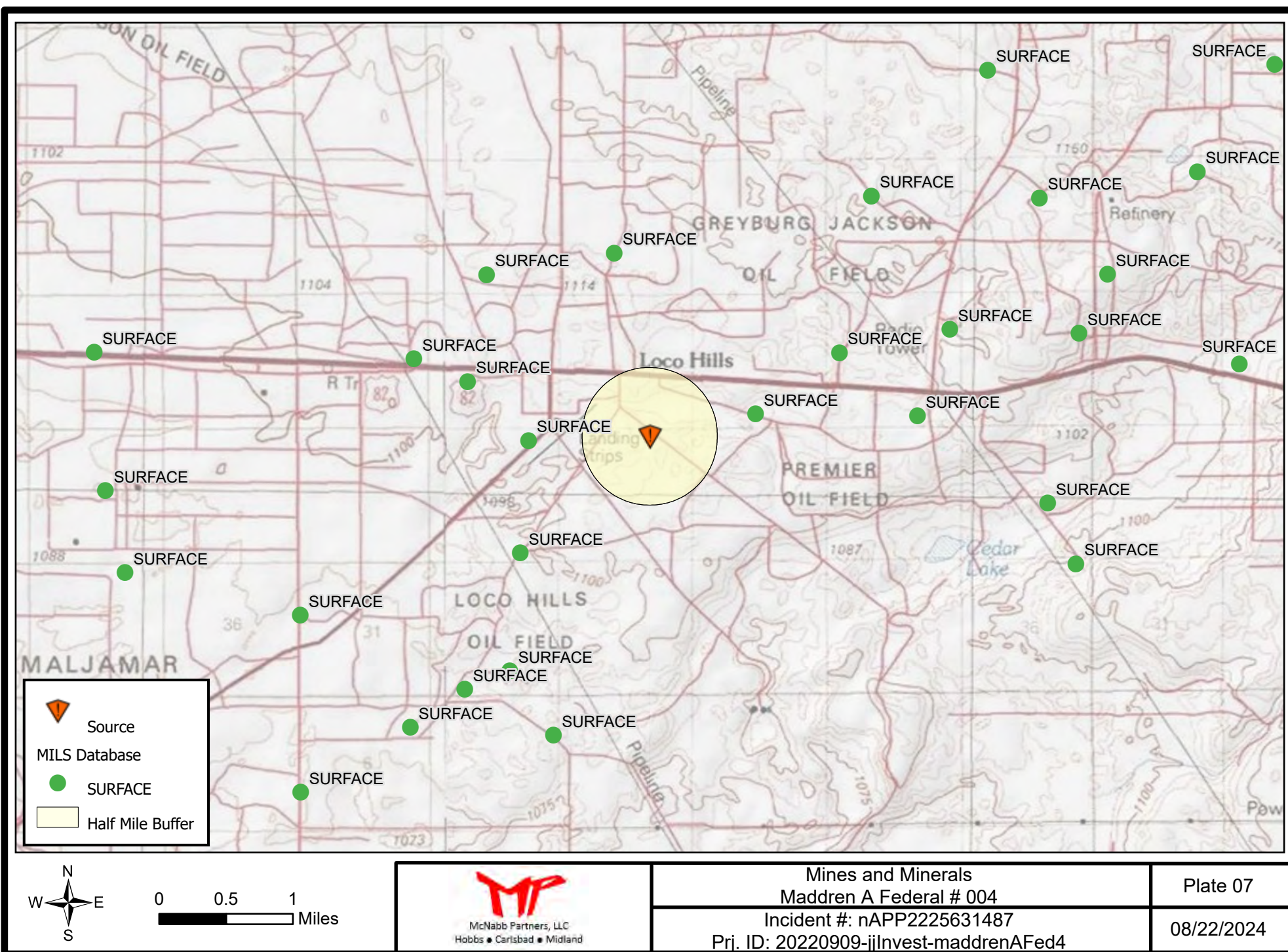


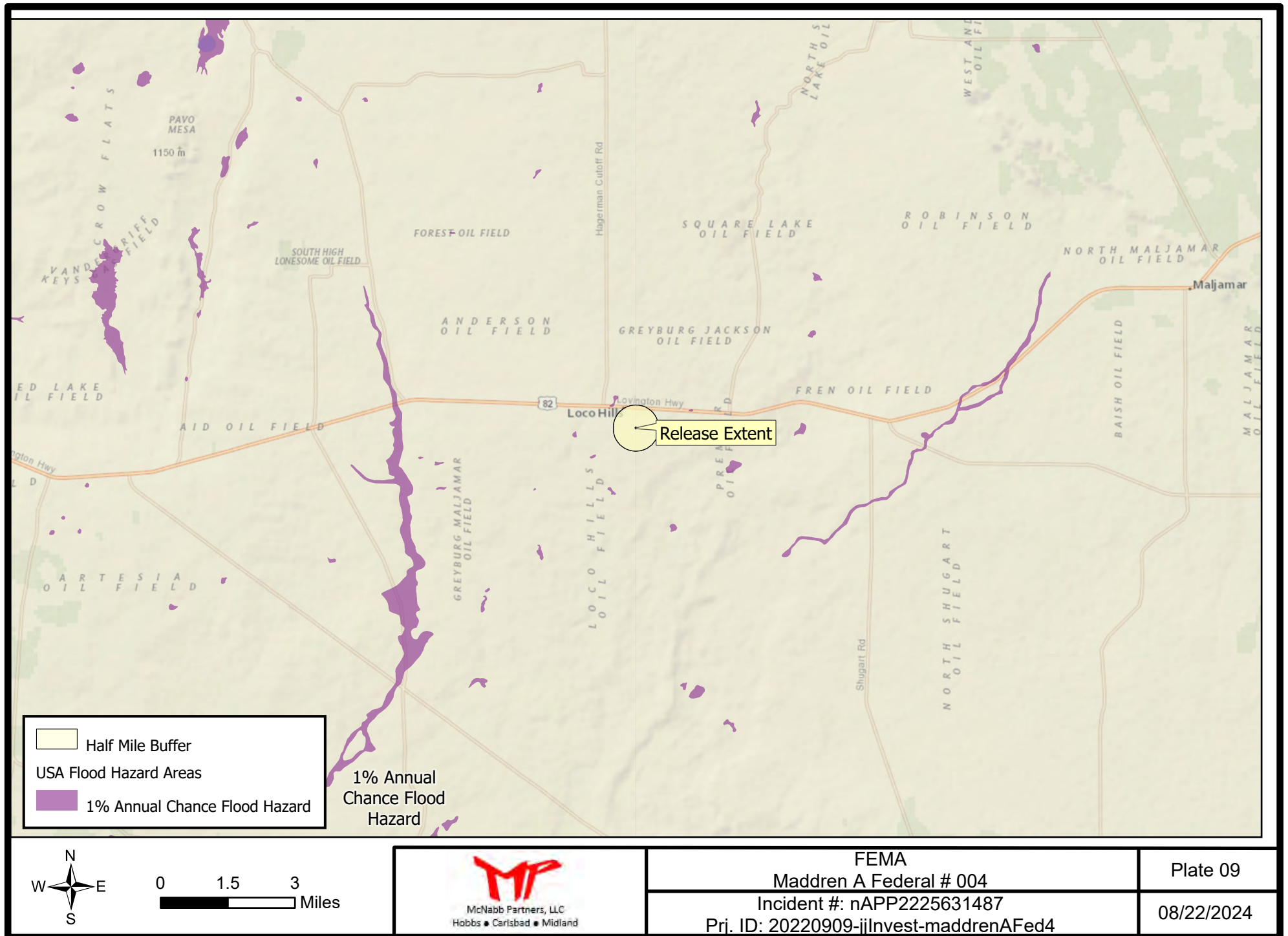


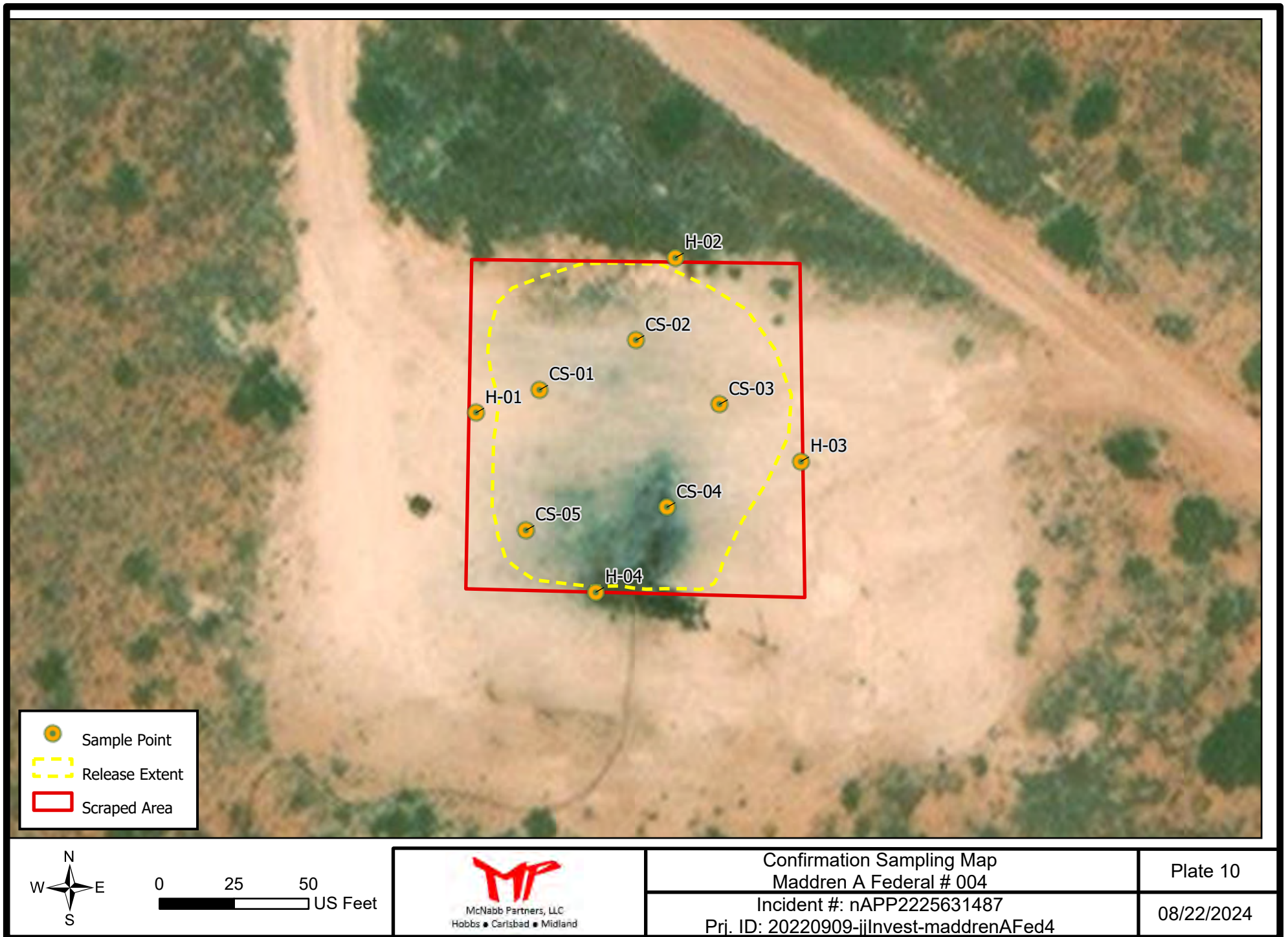












Tables



McNabb Partners, LLC
Hobbs • Carlsbad • Midland

Table A. Analytical Summary
Maddren A Federal #004

Sample ID	Date	Top Depth (Feet)	Bottom Depth (Feet)	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria										
0 - 4 feet & "not in-use"				600	--	100	10	50		
> 4 ft or "in-use"				600	--	100	10	50		
CS-01	7/19/2024	0	2	32	<20	<30	<0.05	<0.3	Cardinal	H244339-01
CS-01	7/19/2024	2	4	32	<20	<30	<0.05	<0.3	Cardinal	H244339-02
CS-02	7/19/2024	0	2	80	<20	<30	<0.05	<0.3	Cardinal	H244339-03
CS-02	7/19/2024	2	4	32	<20	<30	<0.05	<0.3	Cardinal	H244339-04
CS-03	7/19/2024	0	2	96	11.6	<30	<0.05	<0.3	Cardinal	H244339-05
CS-03	7/19/2024	2	4	176	<20	<30	<0.05	<0.3	Cardinal	H244339-06
CS-04	7/19/2024	0	2	80	32.1	50	<0.05	<0.3	Cardinal	H244339-07
CS-04	7/19/2024	2	4	304	<20	<30	<0.05	<0.3	Cardinal	H244339-08
CS-05	7/19/2024	0	2	272	<20	<30	<0.05	<0.3	Cardinal	H244339-09
CS-05	7/19/2024	2	4	96	<20	<30	<0.05	<0.3	Cardinal	H244339-10
H-01	7/19/2024	0	2	32	<20	<30	<0.05	<0.3	Cardinal	H244339-11
H-01	7/19/2024	2	4	16	<20	<30	<0.05	<0.3	Cardinal	H244339-12
H-02	7/19/2024	0	2	272	<20	<30	<0.05	<0.3	Cardinal	H244339-13
H-02	7/19/2024	2	4	272	<20	<30	<0.05	<0.3	Cardinal	H244339-14
H-03	7/19/2024	0	2	64	<20	<30	<0.05	<0.3	Cardinal	H244339-15
H-03	7/19/2024	2	4	64	<20	<30	<0.05	<0.3	Cardinal	H244339-16
H-04	7/19/2024	0	2	272	<20	<30	<0.05	<0.3	Cardinal	H244339-17
H-04	7/19/2024	2	4	96	<20	<30	<0.05	<0.3	Cardinal	H244339-18
BACKFILL-01	8/30/2024	0	0.25	64	18.7	<30	<0.05	<0.3	Cardinal	H245315-01

Appendix A

Communications



McNabb Partners, LLC
Hobbs • Carlsbad • Midland

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 364783

QUESTIONS

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID: 331241
	Action Number: 364783
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2225631487
Incident Name	NAPP2225631487 MADDREN A FEDERAL # 004 @ 30-015-23123
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Well	[30-015-23123] MADDREN A FEDERAL #004

Location of Release Source	
Site Name	Maddren A Federal # 004
Date Release Discovered	09/09/2022
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	12,000
What is the estimated number of samples that will be gathered	9
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/19/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Dimitry 917-497-6890 or dimitry@mcnabbpartners.com
Please provide any information necessary for navigation to sampling site	32.811925, -103.973789

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 364783

CONDITIONS

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID: 331241
	Action Number: 364783
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparkerm	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/17/2024

Appendix B

Well Logs




McNabb Partners, LLC
Hobbs • Carlsbad • Midland

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tw	Rng	X	Y	Map
	RA 11914 POD1	NE	SE	NE	20	17S	30E	594801.1	3632002.2	

* UTM location was derived from PLSS - see Help

Driller License:	1682	Driller Company:	HUNGRY HORSE, LLC.
Driller Name:	JOHN NORRIS		
Drill Start Date:	2013-03-19	Drill Finish Date:	2013-03-19
Log File Date:	2013-04-09	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:		Depth Well:	85
		Depth Water:	80

Water Bearing Stratifications:

Top	Bottom	Description
11	85	Sandstone/Gravel/Conglomerate

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Appendix C

Certificates of Analysis



McNabb Partners, LLC
Hobbs • Carlsbad • Midland



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 24, 2024

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MADDREN A FEDERAL #004

Enclosed are the results of analyses for samples received by the laboratory on 07/19/24 13:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received:	07/19/2024	Sampling Date:	07/19/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	MADDREN A FEDERAL #004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO., NM		

Sample ID: CS - 01 (0-2') (H244339-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93	
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 01 (2-4') (H244339-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 02 (0-2') (H244339-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93	
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 02 (2-4') (H244339-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 03 (0-2') (H244339-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/23/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	11.6	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 03 (2-4') (H244339-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/23/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 04 (0-2') (H244339-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/23/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	32.1	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	17.9	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 04 (2-4') (H244339-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93	
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/23/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 05 (0-2') (H244339-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	2.29	114	2.00	1.93	
Toluene*	<0.050	0.050	07/22/2024	ND	2.42	121	2.00	6.36	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.36	118	2.00	9.01	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.30	122	6.00	10.8	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/23/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 05 (2-4') (H244339-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/23/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/23/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/23/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 01 (0-2') (H244339-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2024	ND	2.29	114	2.00	1.93	
Toluene*	<0.050	0.050	07/23/2024	ND	2.42	121	2.00	6.36	
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.36	118	2.00	9.01	
Total Xylenes*	<0.150	0.150	07/23/2024	ND	7.30	122	6.00	10.8	
Total BTEX	<0.300	0.300	07/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 01 (2-4') (H244339-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/23/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/23/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/23/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 02 (0-2') (H244339-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2024	ND	2.29	114	2.00	1.93	
Toluene*	<0.050	0.050	07/23/2024	ND	2.42	121	2.00	6.36	
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.36	118	2.00	9.01	
Total Xylenes*	<0.150	0.150	07/23/2024	ND	7.30	122	6.00	10.8	
Total BTEX	<0.300	0.300	07/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/23/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 02 (2-4') (H244339-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2024	ND	2.29	114	2.00	1.93		
Toluene*	<0.050	0.050	07/23/2024	ND	2.42	121	2.00	6.36		
Ethylbenzene*	<0.050	0.050	07/23/2024	ND	2.36	118	2.00	9.01		
Total Xylenes*	<0.150	0.150	07/23/2024	ND	7.30	122	6.00	10.8		
Total BTEX	<0.300	0.300	07/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/23/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 03 (0-2') (H244339-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	3.79		
Toluene*	<0.050	0.050	07/22/2024	ND	2.07	104	2.00	0.908		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.13	107	2.00	0.495		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.30	105	6.00	0.571		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/23/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 03 (2-4') (H244339-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	3.79	
Toluene*	<0.050	0.050	07/22/2024	ND	2.07	104	2.00	0.908	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.13	107	2.00	0.495	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.30	105	6.00	0.571	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/23/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 04 (0-2') (H244339-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	3.79		
Toluene*	<0.050	0.050	07/22/2024	ND	2.07	104	2.00	0.908		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.13	107	2.00	0.495		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.30	105	6.00	0.571		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/23/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	192	96.2	200	1.54	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	187	93.3	200	5.32	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received: 07/19/2024
 Reported: 07/24/2024
 Project Name: MADDREN A FEDERAL #004
 Project Number: NONE GIVEN
 Project Location: EDDY CO., NM

Sampling Date: 07/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 04 (2-4') (H244339-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	3.79		
Toluene*	<0.050	0.050	07/22/2024	ND	2.07	104	2.00	0.908		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.13	107	2.00	0.495		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.30	105	6.00	0.571		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/23/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	193	96.3	200	1.26	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	190	94.9	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: McNabb Partners										BILL TO										ANALYSIS REQUEST																			
Project Manager: Dmitry Nikanorov										P.O. #:																													
Address: 5014 W Carlsbad Hwy										Company: McNabb Partners																													
City: Hobbs										State: NM Zip: 88220										Attn:																			
Phone #: 9174976890										Fax #:										Address:																			
Project #:										Project Owner: J&J Investment										City:																			
Project Name: Maddren A Federal #004										State:										Zip:																			
Project Location: Eddy Co. TX NM * SE 7-19-24										Phone #:																													
Sampler Name: Dmitry Nikanorov										Fax #:																													
FOR LAB USE ONLY										PRESERV.										SAMPLING																			
Lab I.D.										MATRIX																													
Sample I.D.										(G)RAB OR (C)OMP.																													
										# CONTAINERS																													
<div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1844339</div> </div>										GROUNDWATER																													
										WASTEWATER																													
										SOIL																													
										OIL																													
										SLUDGE																													
										OTHER :																													
										ACID/BASE:																													
										ICE / COOL																													
										OTHER :																													
										DATE										TIME																			
CS-01 (0-2)										G 1 X										7/19/24 8:15																			
CS-01 (2-4)										G 1 X										7/19/24 8:25																			
CS-02 (0-2)										G 1 X										7/19/24 8:35																			
CS-02 (2-4)										G 1 X										7/19/24 8:45																			
CS-03 (0-2)										G 1 X										7/19/24 8:55																			
CS-03 (2-4)										G 1 X										7/19/24 9:05																			
CS-04 (0-2)										G 1 X										7/19/24 9:15																			
CS-04 (2-4)										G 1 X										7/19/24 9:25																			
CS-05 (0-2)										G 1 X										7/19/24 9:35																			
CS-05 (2-4)										G 1 X										7/19/24 9:45																			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.										Chloride										TPH										BTEX									
Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i>																													
Date: 7/19/24										Time: 1351																													
Relinquished By: <i>[Signature]</i>										Received By: <i>[Signature]</i>																													
Date: 7/19/24										Time: 1351																													
Turnaround Time: X Standard										Thermometer ID #140										Cool Intact																			
Rush										Cool Intact										Observed Temp. °C																			
Corrected Temp. °C																																							
REMARKS: <i>100cc for collection per customer. Spooling 7-19-24</i>																																							
All Results are emailed. Please provide Email address: dmitry@mcnabbpartners.com, andrew@mcnabbpartners.com, buwra@mcnabbpartners.com, chris@mcnabbpartners.com																																							



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Project Manager: Dmitry Nikanorov						P.O. #:
Address: 5014 W Carlsbad Hwy						Company: McNabb Partners
City: Hobbs						Attn:
State: NM Zip: 88220						Address:
Phone #: 9774976890 Fax #:						City:
Project Name: Maddrren A Federal #004						State: Zip:
Project Location: Eddy Co, NM *SR-7-19-24						Phone #:
Sampler Name: Dmitry Nikanorov						Fax #:
Lab I.D.						MATRIX
						GROUNDWATER
						WASTEWATER
						SOIL
						OIL
						SLUDGE
						OTHER :
						ACID/BASE:
						ICE / COOL
						OTHER :
Sample I.D.						DATE
						TIME
						Chloride
						TPH
						BTEX
						HOLD
						HOLD
						HOLD

PLEASE NOTE: Liability and Damages. Cardmark's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardmark within 30 days after completion of the applicable service. In no event shall Cardmark be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardmark, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

REINQUISHED BY: [Signature] Date: 7-19-24 Received By: [Signature] Time: 1:31 PM
Date: 7-19-24 Received By: [Signature]
Time: 1:31 PM

DELIVERED BY: (Circle One) Sample - UPS - Bus - Other: Observed Temp., °C Corrected Temp., °C Intact: Yes X No No Sample Condition Cool Initials: SR CHECKED BY: (Initials) Turnaround Time: X Standard Rush Thermometer ID #140 Correction Factor Cool Intact: Yes X No Observed Temp., °C Corrected Temp., °C

REMARKS: Location collector per customer. Specimens 7-19-24



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 05, 2024

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MADDREN A FEDERAL #004

Enclosed are the results of analyses for samples received by the laboratory on 08/30/24 14:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
 DIMITRY NIKANOROV
 P. O. BOX 5753
 HOBBS NM, 88240
 Fax To: (575) 391-8484

Received:	08/30/2024	Sampling Date:	08/30/2024
Reported:	09/05/2024	Sampling Type:	Soil
Project Name:	MADDREN A FEDERAL #004	Sampling Condition:	Cool & Intact
Project Number:	20220909-JJINVEST-MADDRENAFED4	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO., NM		

Sample ID: BACKFILL 01 (H245315-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	1.90	95.0	2.00	5.30		
Toluene*	<0.050	0.050	08/31/2024	ND	1.84	92.2	2.00	5.68		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	1.85	92.6	2.00	5.69		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	5.51	91.9	6.00	5.55		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/03/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2024	ND	209	104	200	0.714	
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	205	102	200	3.83	
EXT DRO >C28-C36	18.7	10.0	08/30/2024	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

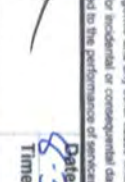
A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: McNabb Partners Project Manager: Andrew Parker Address: DN-File City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Location: Madden A Federal Bldg Sampler Name: Christopher Turner		P.O. # 0820001-JJ West-Madden Fed Bldg Company: McNabb Partners Attn: Andrew@mcnabbpartners.com Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		BILL TO ANALYSIS REQUEST	
PLEASE NOTE: Liability and/or damages caused by any claim arising from this report is limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services heretofore by Cardinal, regardless of whether such claim is based on contract or tort. Any of the above stated limitations of remedies or damages shall be null and void if the above stated limitations are otherwise prohibited by applicable law.					
Relinquished By:  Relinquished Date: 8-30-04 Relinquished Time: 1400		Received By: S. Rodriguez Received Date: _____ Received Time: _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	
Reinquinshed By: _____ Reinquinshed Date: _____ Reinquinshed Time: _____		Sample Condition: Intact Checked By: SR Turnaround Time: _____ Standard: <input checked="" type="checkbox"/> RUSH Bacteria (only) Sample Condition: <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: _____ Standard: <input type="checkbox"/> RUSH Bacteria (only) Sample Condition: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C: 18.2 Corrected Temp. °C: 1.2		Observed Temp. °C: _____ Corrected Temp. °C: _____	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING		DATE	TIME	X Chloride	X TPH (GRO+DRO+MRO)	X BTEX (Benzene)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:		ICE / COOL	OTHER :					
H245365	Backfill 01	C	1			X								08/30	11:48			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 387884

QUESTIONS

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID:	331241
	Action Number:	387884
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2225631487
Incident Name	NAPP2225631487 MADDREN A FEDERAL # 004 @ 30-015-23123
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-23123] MADDREN A FEDERAL #004

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Maddren A Federal # 004
Date Release Discovered	09/09/2022
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	Yes
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Fire Producing Well Crude Oil Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Fire Producing Well Produced Water Released: 96 BBL Recovered: 0 BBL Lost: 96 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Fire from Hot Oiler Operator error. All oil was burned up in the fire.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 387884

QUESTIONS (continued)

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID:	331241
	Action Number:	387884
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	<p>From paragraph A. "Major release" determine using:</p> <p>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;</p> <p>(2) an unauthorized release of a volume that:</p> <p>(a) results in a fire or is the result of a fire;</p> <p>(c) may with reasonable probability endanger public health.</p>
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: laura@mcnabbpartners.com Date: 09/27/2024
--	---

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 387884

QUESTIONS (continued)

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID: 331241
	Action Number: 387884
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	304
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50
GRO+DRO (EPA SW-846 Method 8015M)	32.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	07/19/2024
On what date will (or did) the final sampling or liner inspection occur	07/19/2024
On what date will (or was) the remediation complete(d)	08/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	9200
What is the estimated volume (in cubic yards) that will be reclaimed	85
What is the estimated surface area (in square feet) that will be remediated	9200
What is the estimated volume (in cubic yards) that will be remediated	85

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 387884

QUESTIONS (continued)

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID:	331241
	Action Number:	387884
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: laura@mcnabpartners.com Date: 09/27/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 5

Action 387884

QUESTIONS (continued)

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID: 331241
	Action Number: 387884
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 6

Action 387884

QUESTIONS (continued)

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID:	331241
	Action Number:	387884
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	364783
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/19/2024
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	12000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	9200
What was the total volume (cubic yards) remediated	85
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	9200
What was the total volume (in cubic yards) reclaimed	85
Summarize any additional remediation activities not included by answers (above)	No remediation was required, as no spill impacts have been found.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: laura@mcnabbpartners.com Date: 09/27/2024
--	---

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 7

Action 387884

QUESTIONS (continued)

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID: 331241
	Action Number: 387884
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 387884

CONDITIONS

Operator: J & J Investments, LLC 132257 Lovington Hwy Loco Hills, NM 88255	OGRID: 331241
	Action Number: 387884
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2225631487 MADDREN A FEDERAL # 004, thank you. This Remediation Closure Report is approved.	10/24/2024