McNabb Partners, LLC
Hobbs ● Carlsbad ● Midland
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July 16, 2024

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

RE: Site Characterization and Remediation Work Plan Proposal
Incident ID: nAPP2304441722
Robert AGX State 1
Project ID: 20230713-1151-robertAGX1

NMOCD:

McNabb Partners LLC (McNabb) submits this revised Site Characterization and Remediation Work Plan on behalf of Contango Resources (Contango). This document describes site assessment and planned remedial activities to include the following impacted areas (Plate 1):

- The area of release Incident ID: nAPP2304441722
- The area of the legacy reserve pit (1996) comingled with release extent.
- Areas of Interest (AOI) identified by EM survey, visual site assessment.

This document also includes a sample grid variance request and request to recycle clean, onsite caliche as a portion of the backfill material during final surface reclamation as the location is no longer in-use for oil and gas operations.

The Reclamation plan, as proposed according to State Land Office guidelines, is attached in Appendix D.

The release was discovered on 02/06/2023 and the initial report estimated an unknown volume of release of gases and a leak from surface casing that included formation mud/fluid. Initial Notification of Release is in Appendix A. On further site evaluation, the nongaseous release volume is assessed to include approximately 17.8 bbls of oil and 14.5 bbls of produced water. Initial response included surface scraping of the mapped release extent (Plate 1). Approximately 250 cu yds of impacted material was hauled off to an approved disposal facility.

The release comingled with a legacy reserve pit. Per communication with NMOCD, the legacy reserve pit will be remediated in accordance with 19.15.29 NMAC. The associated correspondence with NMOCD is attached to this report in Appendix A. The release is shown in Figure 1. Figure 2 is a view of the release after initial surface scraping.

Figure 1: View of release extent facing northeast from the south. Date Taken: 02/06/2023, 12:36:06 GPS: 32.9138563, -103.3706660

Figure 2: View of the release extent facing northwest from the southeastern extent of the release after surface scraping. Date Taken: 02/07/2023 12:31;15 GPS: 103.3704967°W 32.9140062°N

In preparation for site reclamation, all areas of impact, identified by EM survey results or through visual site assessment, supported by characterization soil sample laboratory analysis, will also be remediated as a part of this process. This includes areas identified as:

AOI 1 – area NW of legacy reserve pit, comingled with pit area, suspect impact occurred during reserve pit operations.
AOI 3 – Adjacent to the wellhead and may reflect residual impacted material from the release after surface scraping. (Volume calculation: <1 bbl).

The following areas of interest are considered to be unrelated to this incident or the legacy reserve pit, however are included in remediation plan as a part of site reclamation. Volume calculations are less than 5 bbls.

AOI 2 – South of the release extent, adjacent to the footprint of the former tank battery.
AOI 4 – Surface staining noted during site assessment.

These areas are described in detail under Site Characterization below.

Following remediation, the location will be restored/reclaimed in conjuction with 19.15.29.13 NMAC and State Land Office Reclamation Plan (approval pending).

1 Site Characterization

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

1.1 Site Map

Plate 1 maps the features described in this section relative to the pad reclamation area, lease road (to be reclaimed per SLO requirements) and P&A'd wellhead. The horizontal extent of the release was mapped by Contango lease operators. The legacy reserve pit was georeferenced from 1996 Google Map image (Plate 1-1) showing the reserve pit and area of surface disturbance during operations. The release coordinates are centered on the plugged and abandoned oil and gas well. The coordinates are 32.9139330, -103.3705799 (NAD83/WGS84). The oil and gas well was plugged on 06/27/2023. The release extent and legacy reserve pit are contained within the area subject to reclamation per the State Land Office regulations 19.2.100.67 NMAC. The riser, also mapped on Plate 1, to the east of the pad is a sales riser not operated by Contango. The operator of the riser has been notified for proper decommissioning.

The release extent is estimated at 14,195 sq. ft. The estimated remediation extent is estimated at 24,300 sq. ft and comprises:

- Mapped Release Extent (minus area than may have been remediated with surface scraping)
- Legacy Reserve Pit - (approximately 21,009 sq ft release extent and reserve pit areas combined)
- Area of Interest 1 – An approximately 3000 sq ft area adjacent to and northwest of the Legacy Pit identified during an electromagnetic induction survey (EM Survey).
- Area of Interest 2 – An approximately 35 sq ft area where EM survey suggested Chloride concentration of < 600 mg/kg. (Approximately 1 bbl)
- Area of Interest 3 – An approximately 65 sq ft area where EM survey suggested Chloride concentration of < 600 mg/kg. (< 1 bbl)
- Area of Interest 4 - An approximately 191 sq foot area south of the P&A'd well identified during the initial site assessment (surface staining). (approximately 2.4 bbl)

The total Area of Pad Reclamation is approximately 117,497 sq ft. Lease access road in not included in this calculation but will be reclaimed per State Land Office requirements.

1.2 Depth to Ground Water

A water well located 94-feet west of the release and within the reclamation area was gauged on 10/30/2023, in preparation for the plugging of the water well. Depth-to-water during the plugging event measured 70-feet.

The water well is identified as L-10572. The OSE database plots the water well 237-feet southwest of the release. The actual location of the plugged water well is identified as Misc-436 (L-10572) on Plate 2. The well log and plugging record are located in Appendix B.

1.3 Wellhead Protection Area

Plate 3 shows that the reclamation area is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Not within ½-mile private and domestic water sources (wells and springs). A review of OSE files for the identified wells within a ½-mile shown on Plate 3 indicate that the permitted wells were exploratory/test holes for water availability. Well logs contain no indication that the wells were completed as water wells. Well logs for the two test holes located within 1000 ft of the release extent are located in Appendix B.

L-07165	Exploratory well
L-07649 (POD 3)	Test hole to determine water availability.

L-00209 (POD 7) L-07649 (POD 4)	1530 ft NE of release. No Well Record. Water right change of ownership on file. Test hole to determine water availability.
L-07649 (POD 2) L-07649 (POD 5)	Test hole to determine water availability. Test hole to determine water availability.

- 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 reclamation area 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). A Lake/Pond is identified 0.39-miles east-southeast of the release. Review of aerial imagery shows this lake/pond as a dry depression.

Site Characterization	
What is the shallowest depth to groundwater (ft bgs) Plate 2	70 ft bgs
What measure was used to determine this?	Direct
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 4	1898 ft to the SE
• Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark). Plate 4	1898 ft to the SE
• An occupied permanent residence, school, hospital, institution or church. Plate 5	0.53 miles to the south
• A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. Plate 3	>1/2 mile
• Any other fresh water well or spring. Plate 3	>1/2 mile
• Incorporated municipal boundaries or a defined municipal fresh water well field. Plate 3	>1 mile

• A wetland. Plate 6	1898 ft to the SE
• A subsurface mine. Plate 7	>1 mile
• 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	1.05 miles to the NE

1.5 Soil/Waste Characteristics

The USDA Natural Resources Conservation Service (NRCS) soil survey[1] describes near surface lithology as

> SW corner of the production site, with a portion of the access road: Kimbrough-Lea Complex, 0 to 3% slopes; with a composition of
>
> - 0 to 0.25 feet – gravelly loam
> - 0.25 to 0.83 feet – loam
> - 0.83 to 6.67 feet – cemented material
> - Depth to restrictive feature: 0.33 to 1.5 feet to petrocalcic
>
> Remaining production site (>80%): Lea Loam, 0 to 1% slopes; with a composition of
>
> - 0 to 2.2 feet –loam
> - 2.2 to 3 feet – cemented material
> - Depth to restrictive feature: 1.67 to 3.3 feet to petrocalcic

The Driller's Log from the plugged water well L-10572 (see Plate 2) agrees with the NRCS soil type in the upper 3-feet within the Lea Loam.

[1] https://websoilurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Closure Criteria as listed in Table 1 of 19.15.29 NMAC, where depth to water is 70 ft bgs (feet below ground surface) is defined as:

Upper 4 ft of topsoil:

- Chloride – 600 mg/kg
- TPH – 100 mg/kg
- BTEX – 50 mg/kg
- Benzene – 10 mg/kg

Greater than 4 ft bgs:

- Chloride - 10,000 mg/kg
- GRO+DRO – 1,000 mg/kg
- TPH – 2,500 mg/kg
- BTEX – 50 mg/kg
- Benzene – 10 mg/kg

The location was evaluated for chloride impacted soils through the use of an EM Survey, which suggests areas of impact within the release extent and legacy reserve pit, as well as identified areas of interest outside those features (as described in Section 1.1). This was followed by a series of characterization/delineation soil sample events. Soil samples were analyzed for chloride, TPH, BTEX, and Benzene. *None of the characterization/delineation samples will be used for confirmation samples.*

- Plate 10 shows the location of characterization/delineation sample points in relation to the release extent, reserve pit, and areas of interest. The EM survey data with estimated chloride concentrations and isocontours are also mapped for reference.
- Table A shows sample point coordinates
- Table B shows a summary of analytical
- Certificates of analysis are located in Appendix C

Horizontal delineation is demonstrated by sample points CS-01.3, CS-02, CS-03, CS-04, CS-12.1, CS-13.1.

Vertical delineation is demonstrated at CS-08, CS-09 and CS-14

Delineation sampling was limited in some areas due to tool refusal and will be fully evaluated at the time of remediation excavation.

Sample point CS-05 was within the mapped release extent but met closure criteria. This may indicate that initial surface scraping removed impacted soil in that area.

Sample point CS-01.1 also meets closure criteria which suggests that Areas of Interest 2 and 4 are unrelated to Incident ID nAPP2304441722.

2 Sample Grid Variance Request

Contango respectfully asks NMOCD for variance approval for a 300 sq ft sampling grid for both base and wall confirmation samples. Plates 11 shows the proposed sample grid with associated square footage.

The requested sample grid size will provide equal protection of fresh water, public health, and the environment according to the "10% Condition"[2] that states sample sizes should be no more than 10% of the population (release area) as long as it does not exceed 1,000[3] samples. Applying the 10% Condition, a sample grid size of 300 sq ft meets this condition.

Population (sq ft area)	Sample Size (grid sq. ft.)	No. of Sample Grids	% of Population (sq. ft. area)	Representative of Population	Meets 10% Condition
24,300	200	122	0.8%	99.2%	Yes
24,300	300	81	1.2%	98.8%	Yes
24,300	400	61	1.6%	98.4%	Yes
24,300	500	49	2.1%	97.9%	Yes
24,300	1,000	24	4.1%	95.9%	Yes
24,300	1,500	16	6.2%	93.8%	Yes
24,300	10,000	2	41.2%	58.8%	No

The proposed 300 sq. ft. sampling grid statistically provides equal significance of laboratory results as a 200 sq. ft. sampling grid for the constituents listed in Table 1 of 19.15.29 NMAC, where

- The 10% Condition is met.
- The proposed sample grid size represents 98.8% of the population (release area).

3 Remediation & Restoration Workplan

Remediation activities will commence within 45 days of workplan approval and be completed with final sampling within 90 days of workplan approval.

- Proposed sample grids are mapped on Plate 11.
- Proposed sample points area mapped on Plate 12.

Contango proposes to remediate the release extent, legacy reserve pit and the comingled AOI 1 (G-01- G-78), until all base and wall samples meet closure criteria per Table 1 19.15.29 NMAC where DTW is 70 ft bgs, as noted above. Based on characterization/delineation sampling, we anticipate excavating G-01 through G-78 to a depth of approximately 4 to 6 feet.

[2] https://web.ma.utexas.edu/users/mks/M358KInstr/TenPctCond.pdf

[3] https://tools4dev.org/resources/how-to-choose-a-sample-size/

Based on findings that CS-05 meets closure criteria, the southern portion of the release will be remediated according to base and wall sample findings from G-04 through G-08. Much of the impacted material in this area may have been remediated during the surface scraping as a part of the initial response. Excavation will extend to the south (with addition sample grids not to exceed 300 sq ft) until all walls and bases meet closure criteria.

AOI – 2 excavation will begin with sample grid G-81 and will continue until soil samples meet closure criteria in all 4 cardinal directions. Sample grids will not exceed 300 sq ft. Anticipate a depth to 2.5 ft.

AOI – 3 excavation will begin with sample grid G-80 and will continue until soil samples meet closure criteria in all 4 cardinal directions. Sample grids will not exceed 300 sq ft. Anticipate a depth to 2.5 ft.

AOI – 4 excavation will begin with sample grid G-79 and will continue until soil samples meet closure criteria in all 4 cardinal directions. Sample grids will not exceed 300 sq ft. Anticipate a depth to 4.25 ft.

Excavation will extend beyond the proposed sample grids if laboratory analysis identifies soil concentrations above Closure Criteria. Additional grids will not exceed 300 sq ft. All confirmation samples will be sent to a certified laboratory for analysis for all constituents of concern listed on Table 1 19.15.29 NMAC.

An area of approximately 24,300 sq ft will be remediated. Approximately, 4,220 cubic yards of material will be excavated and hauled off-site to an approved disposal facility. The excavation extent will be backfilled with at least 4 ft of clean earthen material, including at least 1 ft of suitable topsoil (2 ft if recycling of clean material is approved for use as backfill).

Contango requests approval for recycling of clean surface caliche from the pad and/or lease road for the base layer of backfill (also requesting approval from SLO). Proposed use of surface caliche as “clean” fill will meet the 20.9.2 NMAC (Solid Waste Management General Requirements), for “recycling” of clean material.

As noted in the site characterization section on soil characteristics, the native soils have a layer of topsoil of 1-1.5 ft depth covering a densely cemented caliche material, thus supporting use of clean caliche as backfill to match existing lithology. Recycling of clean material is beneficial by reducing emissions due to transport of materials, conserving space in landfills and conserving clean backfill resources per 20.9.2 NMAC.

Contango proposes that after all impacted materials have been removed from the location, the surface caliche will be scraped and stockpiled. The stockpile soil will be then sampled for chloride, TPH, BTEX and benzene using a 5 point composite sample technique, one sample per each 100 cubic yards. Only soil that meets the most stringent closure criteria as listed on Table 1 19.15.29 NMAC will be used as backfill. Material that does not meet criteria will be hauled offsite for disposal at an approved facility. If the use of onsite clean backfill is approved, backfill will occur to allow for a depth of 2 ft (per 20.9.2 NMAC) of imported topsoil above surface caliche deposit.

The location will be restored, reclaimed and revegetated per 19.15.29.13.A-D NMAC. Per 19.15.29.13.E, reclamation, restoration and revegetation will also comply with State Land Office regulations. Please refer to the reclamation plan prepared for SLO (pending approval) in Appendix D.

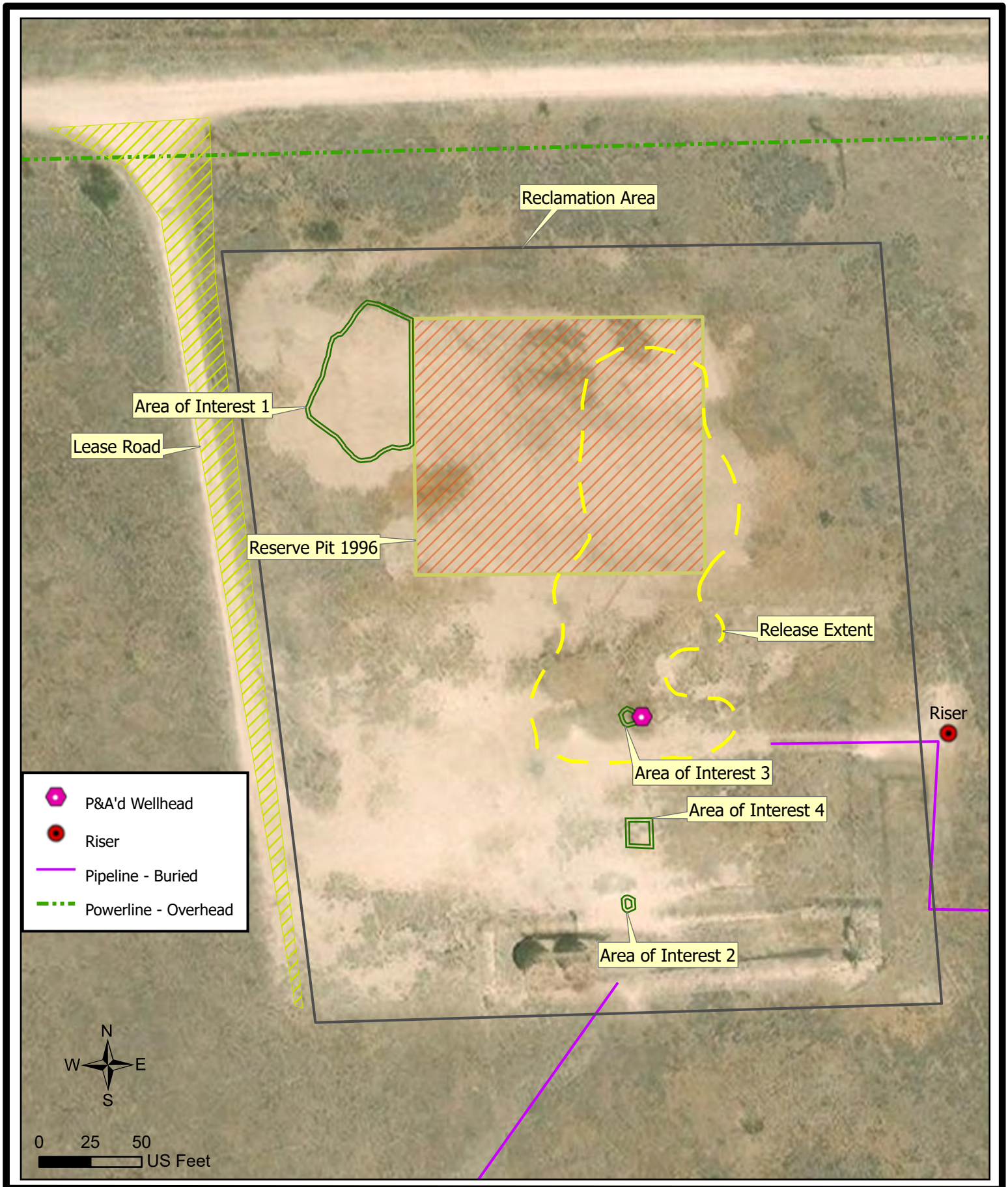
Please contact me with any questions at 970-570-9535.

Sincerely,
Andrew Parker

McNabb Partners LLC
Environmental Project Manager

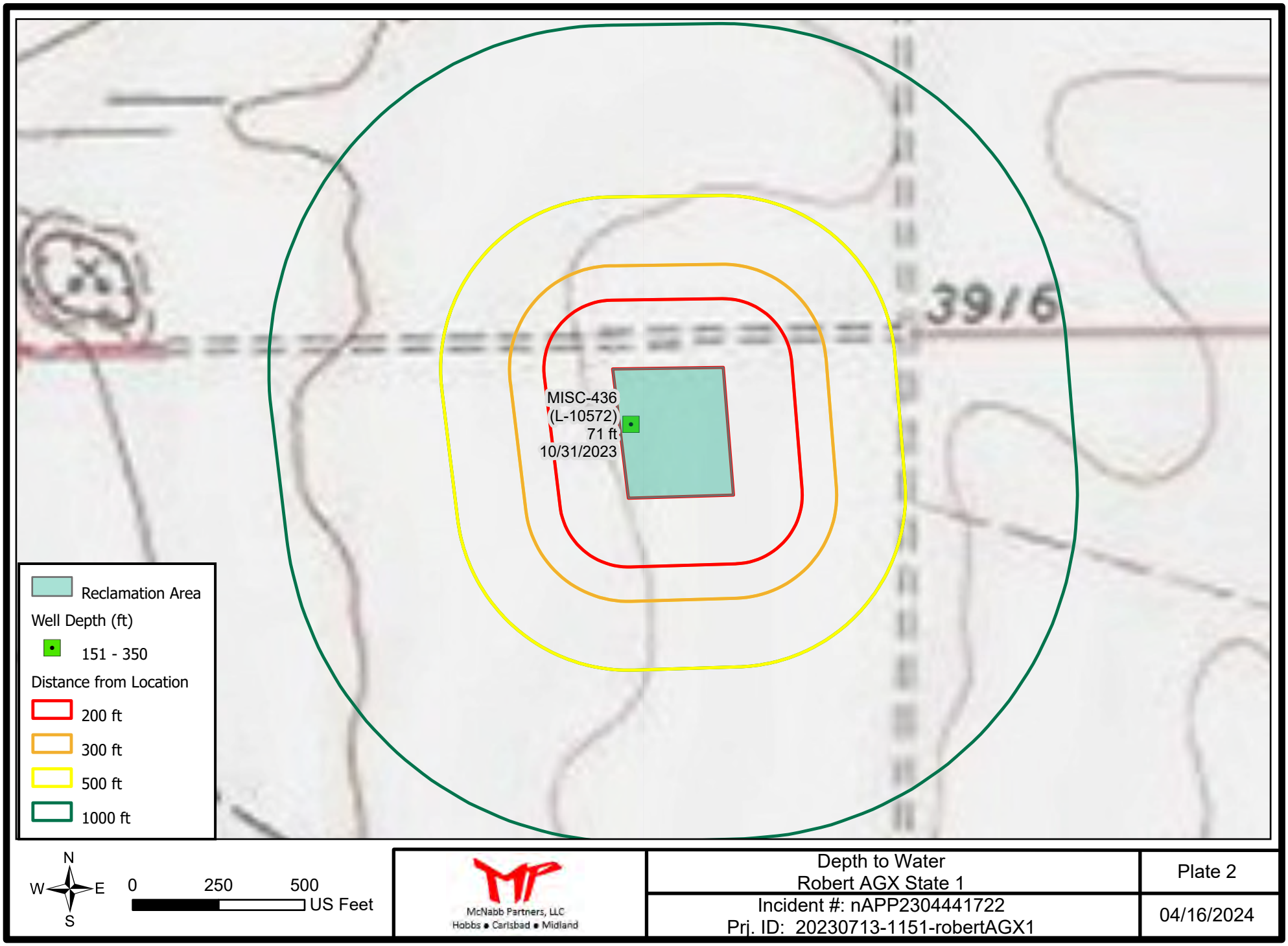
Copy: New Mexico State Land Office
Contango Resources

Plates



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Site Map - Revised Robert AGX State 1	Plate 1
	Incident #: nAPP2304441722 Prj. ID: 20230713-1151-robertAGX1	04/01/2024

McNabb Partners, LLC Hobbs • Carlsbad • Midland	1996 Google Earth Aerial Robert AGX State 1	Plate 1-1
	Incident #: nAPP2304441722 Prj. ID: 20230713-1151-robertAGX1	04/01/2024


MISC-436
(L-10572)
71 ft
10/31/2023
Reclamation Area
Well Depth (ft)
151 - 350
Distance from Location
200 ft
300 ft
500 ft
1000 ft
N
W
E
S
0
250
500
US Feet
McNabb Partners, LLC
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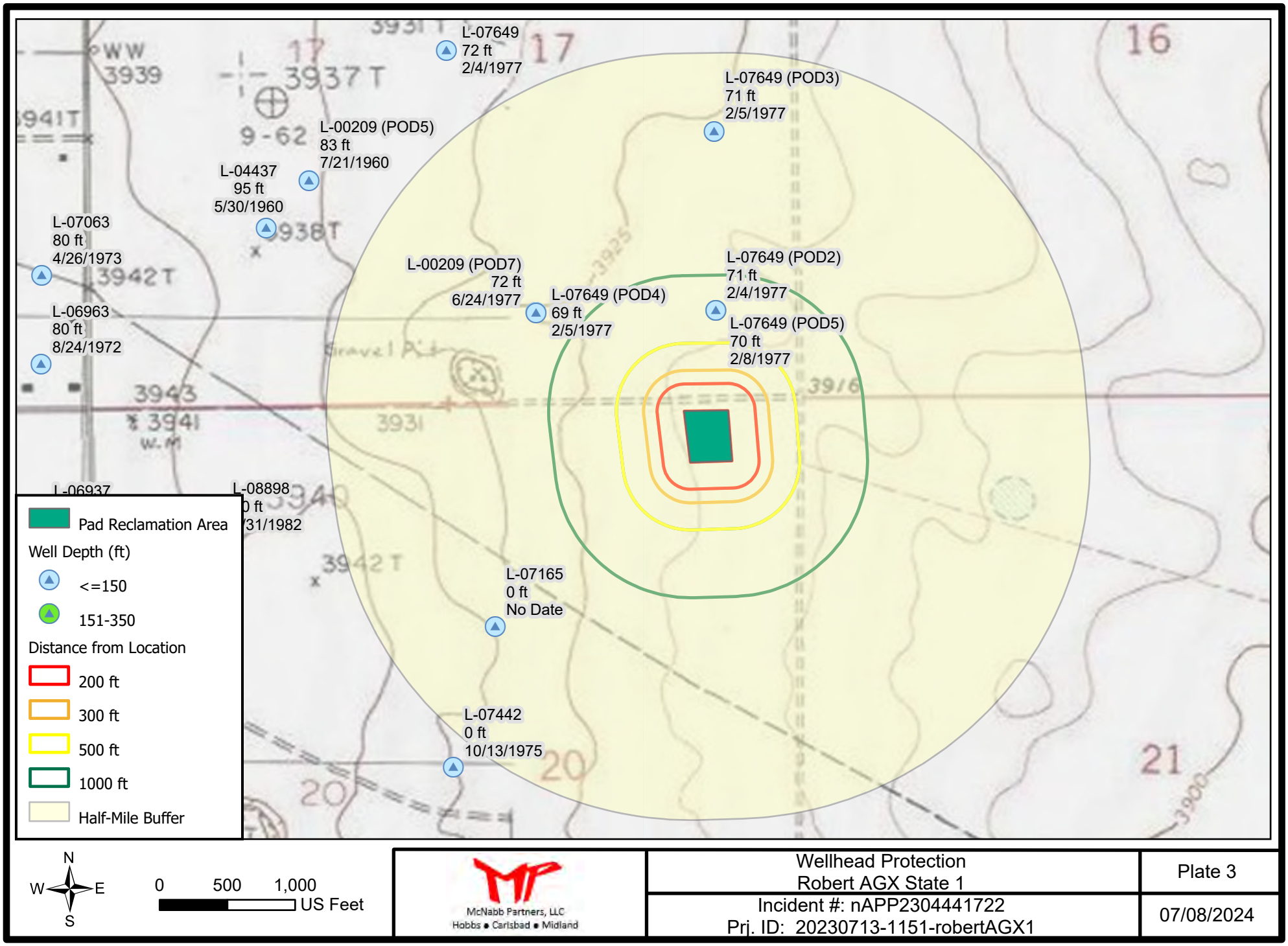
Depth to Water
Robert AGX State 1
Plate 2
Incident #: nAPP2304441722
Prj. ID: 20230713-1151-robertAGX1
04/16/2024


L-07649
72 ft
2/4/1977
L-07649 (POD3)
71 ft
2/5/1977
L-00209 (POD5)
83 ft
7/21/1960
L-04437
95 ft
5/30/1960
L-07063
80 ft
4/26/1973
L-00209 (POD7)
72 ft
6/24/1977
L-07649 (POD4)
69 ft
2/5/1977
L-07649 (POD2)
71 ft
2/4/1977
L-07649 (POD5)
70 ft
2/8/1977
L-06963
80 ft
8/24/1972
L-08898
0 ft
/31/1982
L-07165
0 ft
No Date
L-07442
0 ft
10/13/1975
Pad Reclamation Area
Well Depth (ft)
<=150
151-350
Distance from Location
200 ft
300 ft
500 ft
1000 ft
Half-Mile Buffer
N
W
E
S
0
500
1,000
US Feet
McNabb Partners, LLC
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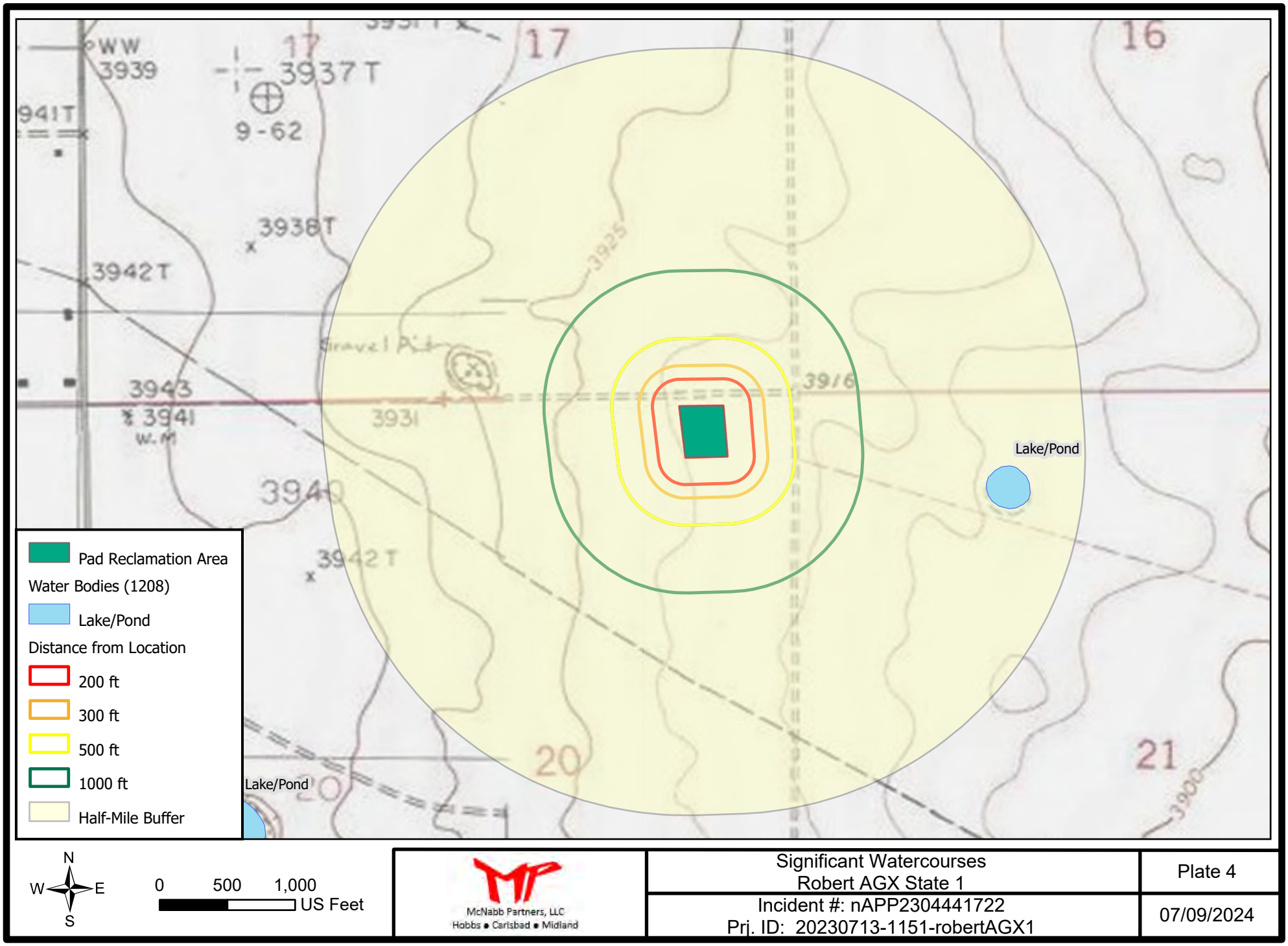
Wellhead Protection
Robert AGX State 1
Plate 3
Incident #: nAPP2304441722
Prj. ID: 20230713-1151-robertAGX1
07/08/2024


WW
3939
3937 T
941T
9-62
3938T
3942T
3943
3941
W.M
3931
3925
3916
Gravel Pit
3940
3942T
Lake/Pond
Lake/Pond
17
16
20
21
3900
Pad Reclamation Area
Water Bodies (1208)
Lake/Pond
Distance from Location
200 ft
300 ft
500 ft
1000 ft
Half-Mile Buffer
N
W
E
S
0
500
1,000
US Feet
McNabb Partners, LLC
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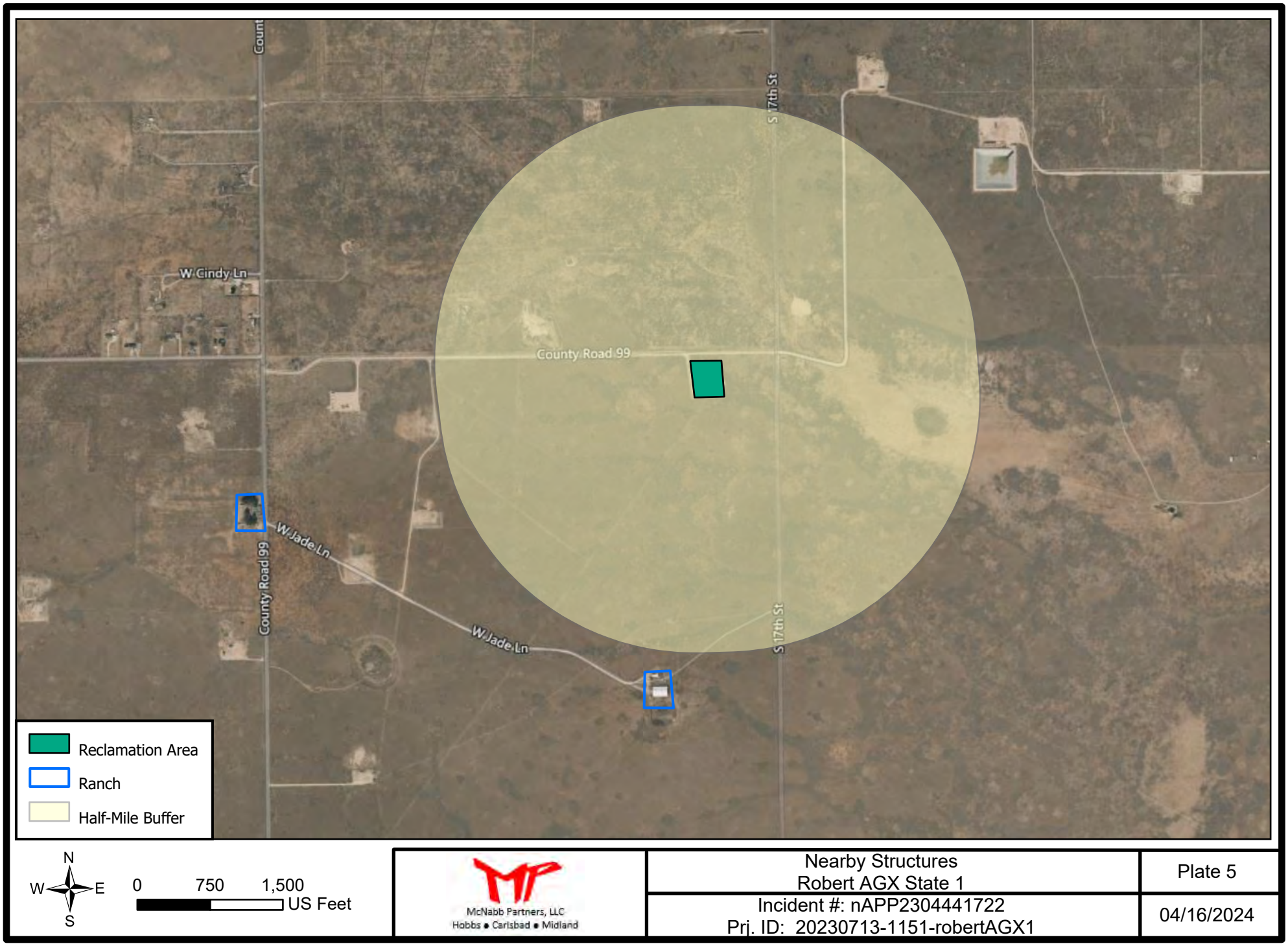
Significant Watercourses
Robert AGX State 1
Plate 4
Incident #: nAPP2304441722
Prj. ID: 20230713-1151-robertAGX1
07/09/2024



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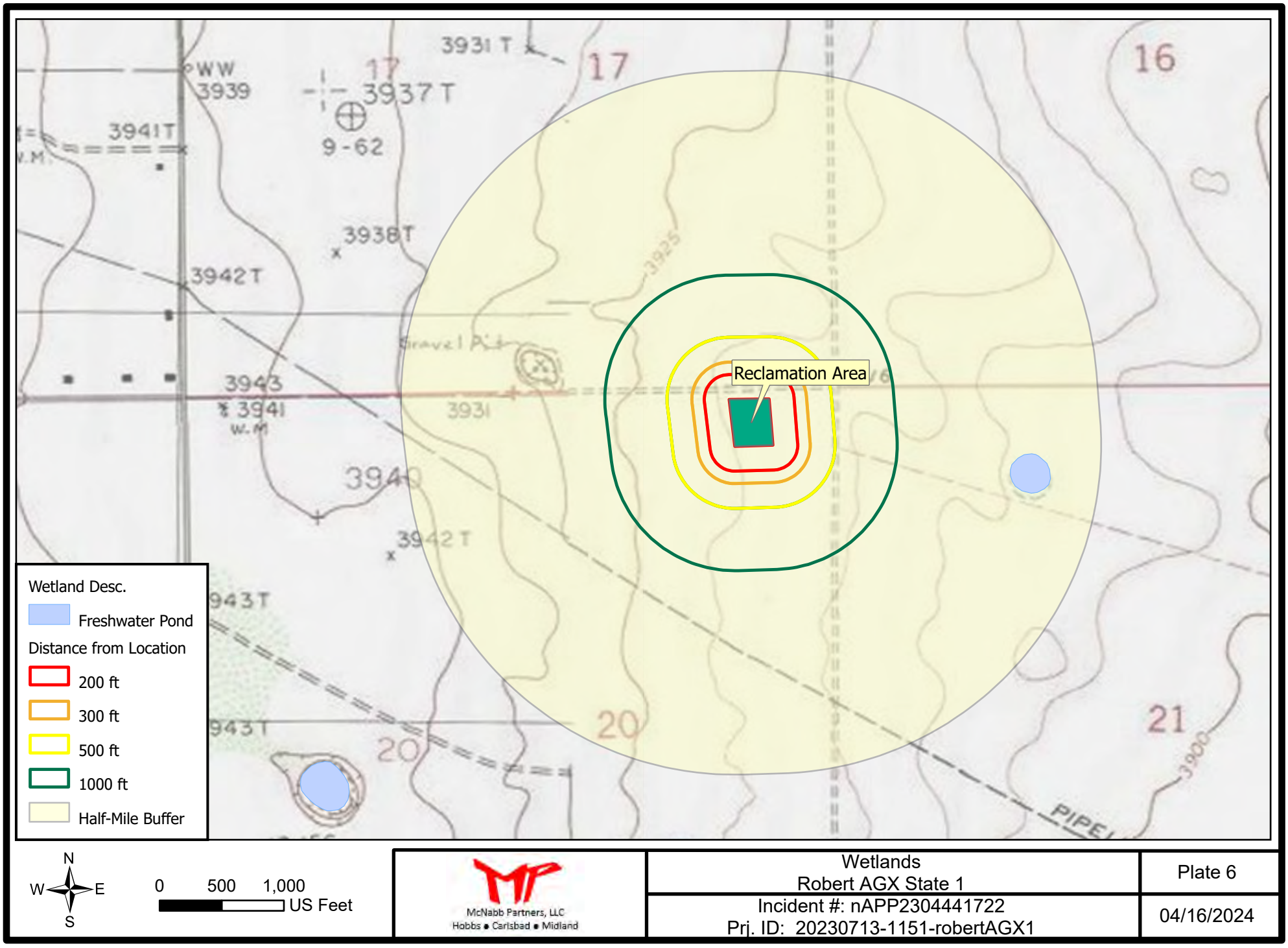
Nearby Structures Robert AGX State 1	Plate 5
Incident #: nAPP2304441722 Prj. ID: 20230713-1151-robertAGX1	04/16/2024


Reclamation Area
Wetland Desc.
Freshwater Pond
Distance from Location
200 ft
300 ft
500 ft
1000 ft
Half-Mile Buffer
N
W
E
S
0
500
1,000
US Feet
McNabb Partners, LLC
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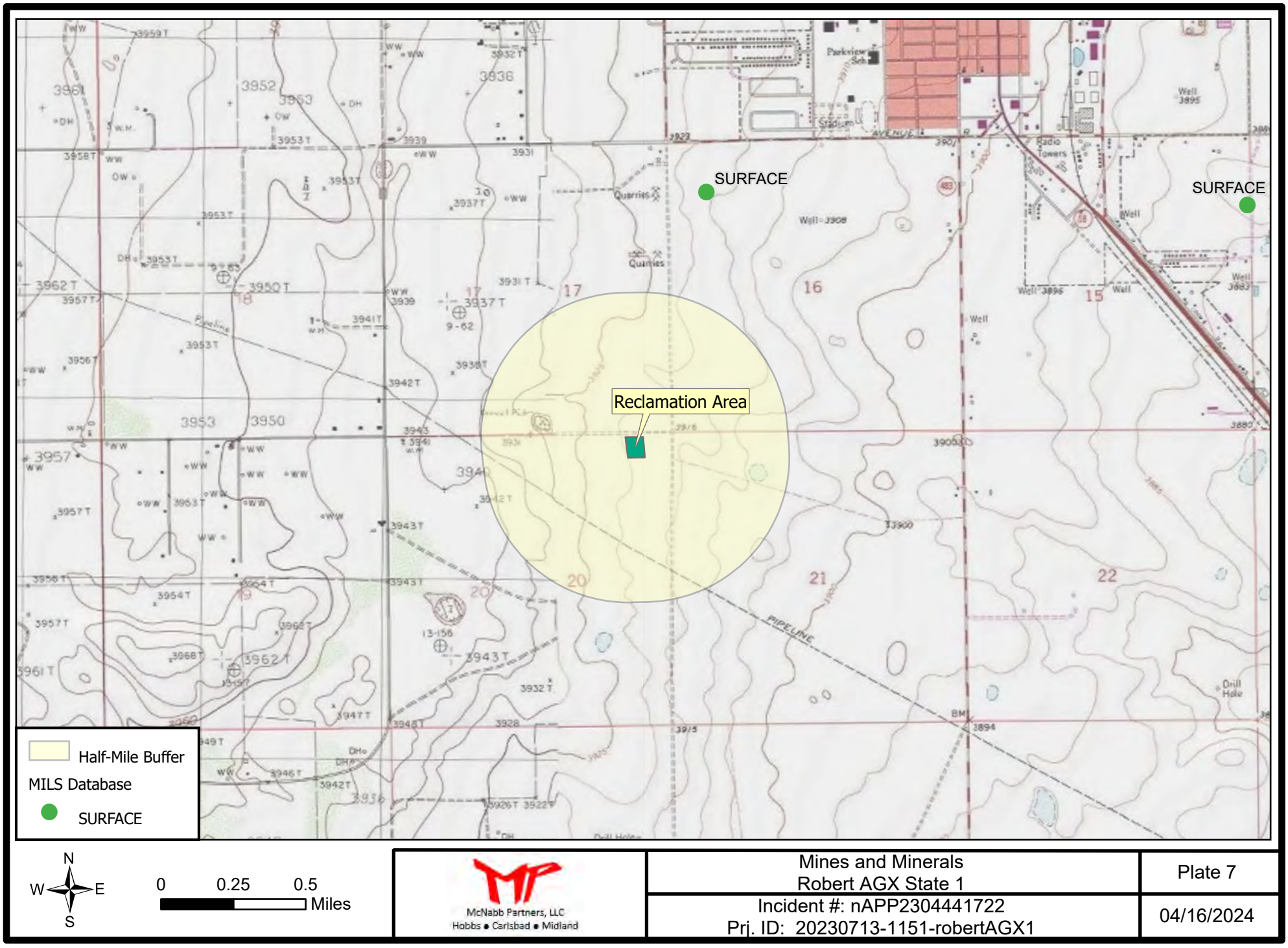
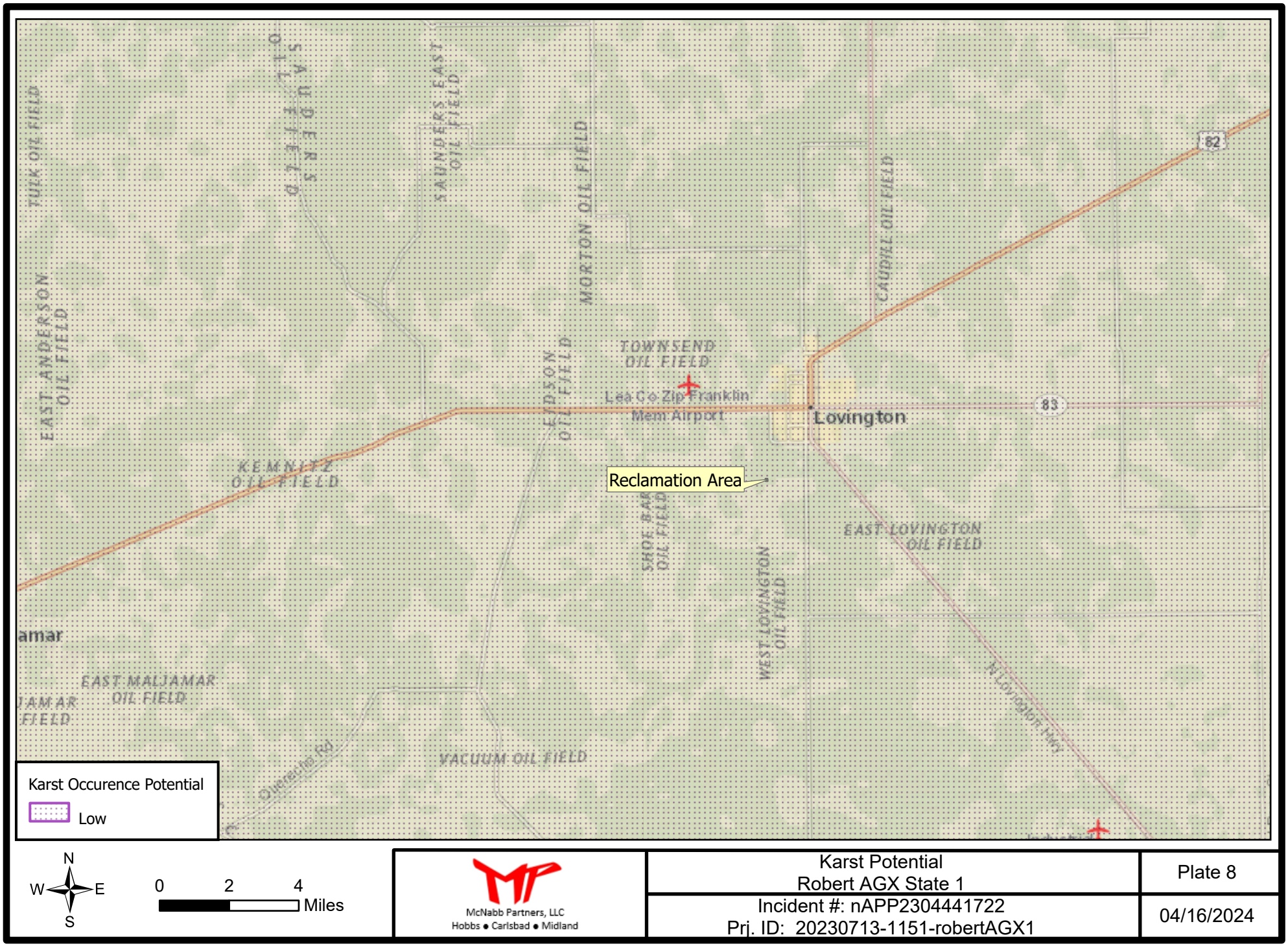
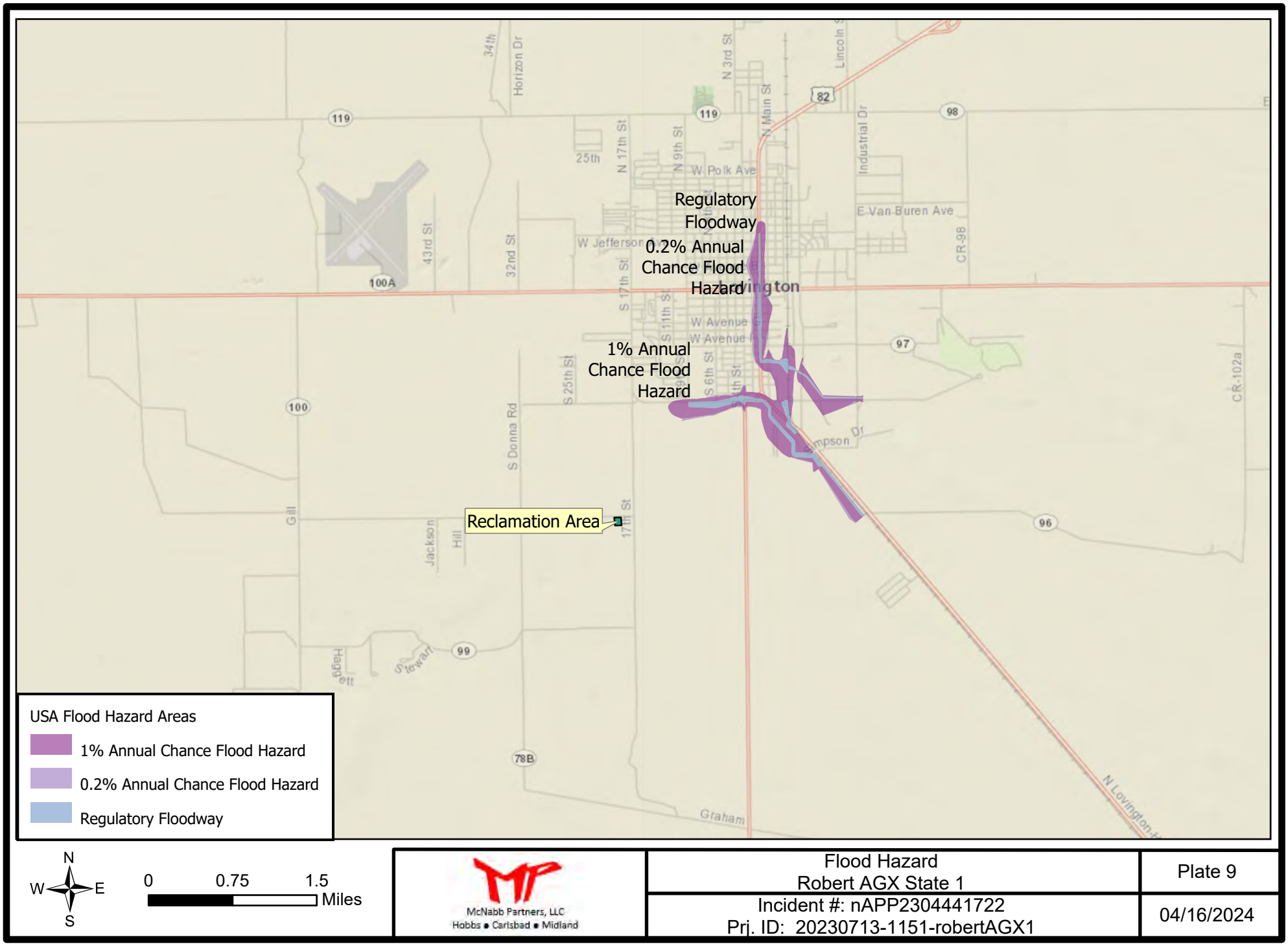
Wetlands
Robert AGX State 1
Incident #: nAPP2304441722
Prj. ID: 20230713-1151-robertAGX1
Plate 6
04/16/2024


SURFACE
SURFACE
Reclamation Area
Half-Mile Buffer
MILS Database
SURFACE
N
W
E
S
0
0.25
0.5
Miles
McNabb Partners, LLC
Hobbs ● Carlsbad ● Midland
Mines and Minerals
Robert AGX State 1
Incident #: nAPP2304441722
Prj. ID: 20230713-1151-robertAGX1
Plate 7
04/16/2024


TUCK OIL FIELD
EAST ANDERSON OIL FIELD
SAUNDERS OIL FIELD
SAUNDERS EAST OIL FIELD
MORTON OIL FIELD
EIDSON OIL FIELD
CAUDILL OIL FIELD
TOWNSEND OIL FIELD
Lea Co Zip Franklin Mem Airport
Lovington
82
83
KEMNITZ OIL FIELD
Reclamation Area
SHOE BAR OIL FIELD
EAST LOVINGTON OIL FIELD
WEST LOVINGTON OIL FIELD
N LOVINGTON
amar
EAST MALJAMAR OIL FIELD
AMAR FIELD
VACUUM OIL FIELD
Karst Occurence Potential
Low
N
W
E
S
0
2
4
Miles
McNabb Partners, LLC
Hobbs ● Carlsbad ● Midland
Karst Potential
Robert AGX State 1
Plate 8
Incident #: nAPP2304441722
Prj. ID: 20230713-1151-robertAGX1
04/16/2024



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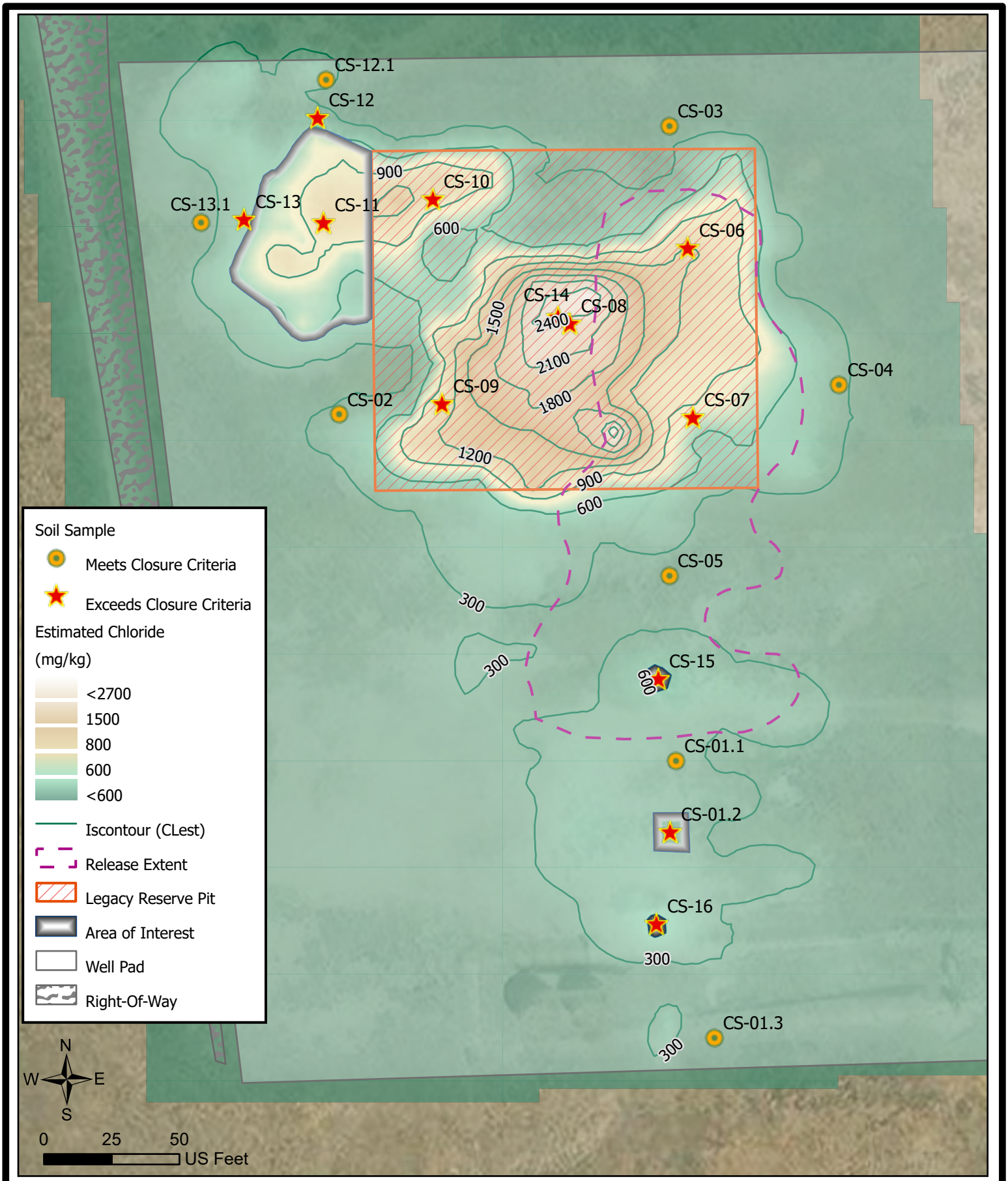
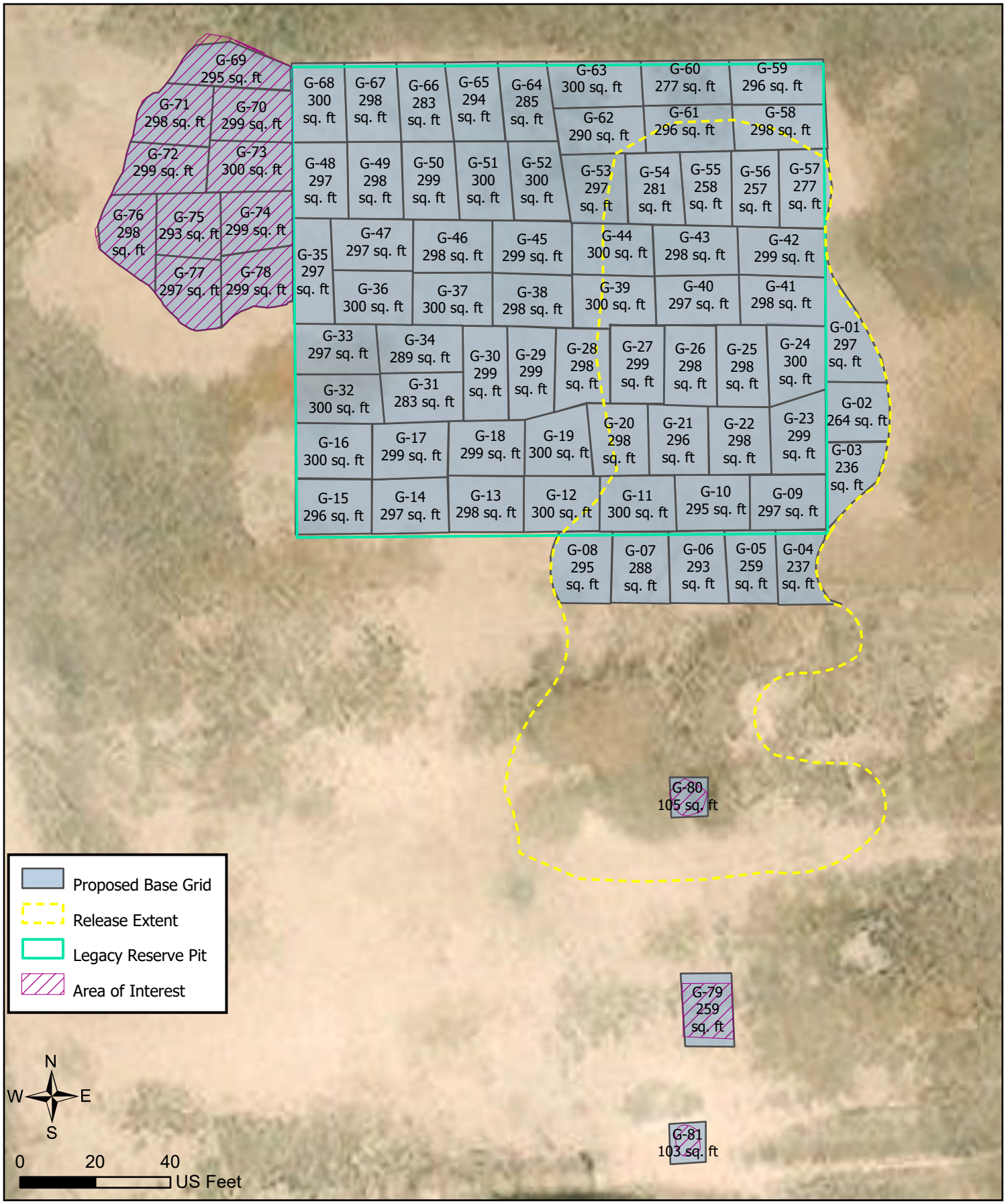
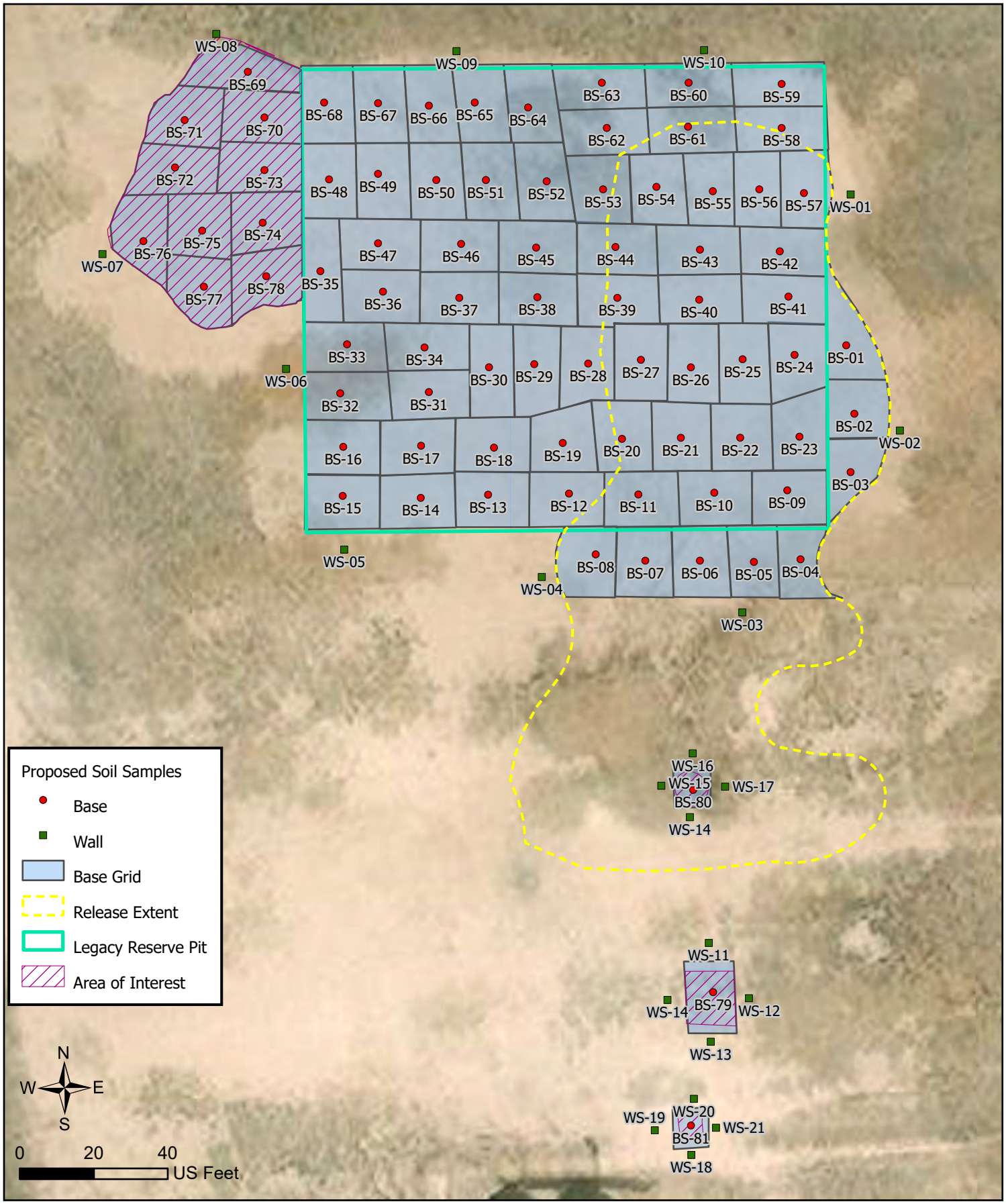
Flood Hazard Robert AGX State 1	Plate 9
Incident #: nAPP2304441722 Prj. ID: 20230713-1151-robertAGX1	04/16/2024



McNabb Partners, LLC Hobbs ● Carlsbad ● Midland	Characterization Sample Points Robert AGX State 1	Plate 10
	Incident #: nAPP2304441722 Prj. ID: 20230713-1151-robertAGX1	07/01/2024



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Sample Grid with Associated Square Footage - Revised Robert AGX State 1	Plate 11
	Incident #: nAPP2304441722 Prj. ID: 20230713-1151-robertAGX1	07/02/2024



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Proposed Confirmation Sample Points - Revised Robert AGX State 1	Plate 12
	Incident #: nAPP2304441722 Prj. ID: 20230713-1151-robertAGX1	07/02/2024

Tables

Sample Point	Latitude	Longitide
CS-01.1	32.9138501	-103.3705777
CS-01.2	32.9137767	-103.3705852
CS-01.3	32.9135675	-103.3705342
CS-02	32.9142006	-103.3709802
CS-03	32.9144928	-103.3705808
CS-04	32.9142200	-103.3703721
CS-05	32.9140327	-103.3705833
CS-06	32.9143694	-103.3705552
CS-07	32.9141942	-103.3705485
CS-08	32.9142943	-103.3707038
CS-09	32.9142079	-103.3708538
CS-10	32.9144203	-103.3708674
CS-11	32.9143954	-103.3709930
CS-12	32.9145028	-103.3710026
CS-12.1	32.9145415	-103.3709917
CS-13	32.9144016	-103.3710928
CS.13.1	32.9143986	-103.3711452
CS-14	32.9143003	-103.3707198
CS-15	32.9139245	-103.3705966
CS-16	32.9136763	-103.3706055

Table B
Summary of Analytical

Incident ID: nAPP2304411122
Robert AGX State 1
Project ID: 20230713-1151-robertAGX1

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Category	Lab	Lab #
NMOCD Closure Criteria												
0 - 4 feet & "not in-use"					600	--	100	10	50			
> 4 ft					10,000	1,000	2,500	10	50			
CS-01.1	10/5/2023		0	1.5	587	ND	ND	ND	ND		Envirotech	E310050
CS-01.1	10/5/2023		1.5	3	519	ND	ND	ND	0.13		Envirotech	E310050
CS-01.2	10/5/2023		0	1.5	842	ND	ND	ND	ND		Envirotech	E310050
CS-01.3	10/5/2023		0	1	ND	ND	ND	ND	ND	Horizontal Delineation	Envirotech	E310050
CS-02	10/5/2023		0	1.5	ND	ND	ND	ND	ND	Horizontal Delineation	Envirotech	E310050
CS-03	10/5/2023		0	1.5	47.5	ND	ND	ND	ND	Horizontal Delineation	Envirotech	E310050
CS-04	10/5/2023		0	2	28.7	ND	ND	ND	ND	Horizontal Delineation	Envirotech	E310050
CS-05	10/5/2023		0	2	160	ND	ND	ND	ND	Horizontal Delineation	Envirotech	E310050
CS-05	10/5/2023	2			301	ND	ND	ND	ND	Horizontal Delineation	Envirotech	E310050
CS-06	10/5/2023		0	2	6130	ND	ND	ND	ND		Envirotech	E310050
CS-06	10/5/2023		2	3	4940	81.7	182.7	ND	ND		Envirotech	E310050
CS-06	10/6/2023	3.5			2310	ND	ND	ND	ND		Envirotech	E310050
CS-07	10/5/2023		0	2	4710	41.2	41.2	ND	ND		Envirotech	E310050
CS-07	10/5/2023		2	4	5830	ND	ND	ND	ND		Envirotech	E310050
CS-07	10/5/2023	4.2			1920	ND	ND	ND	ND		Envirotech	E310050
CS-08	10/6/2023		0	2	18400	45.5	45.5	ND	ND		Envirotech	E310050
CS-08	10/6/2023		2	3.5	16600	139	217.1	ND	ND		Envirotech	E310050
CS-08	10/6/2023	4.25			5500	ND	ND	ND	ND	Vertical Delineation	Envirotech	E310050
CS-09	10/6/2023		0	2	4020	ND	ND	ND	ND		Envirotech	E310050
CS-09	10/6/2023		2	4	1880	ND	ND	ND	ND		Envirotech	E310050
CS-09	10/6/2023	4.2			90.8	ND	ND	ND	ND	Vertical Delineation	Envirotech	E310050
CS-10	10/6/2023		0	2	16300	123	243	ND	ND		Envirotech	E310050
CS-10	10/6/2023	2.5			1040	ND	ND	ND	ND		Envirotech	E310050
CS-11	6/18/2024		0	2	3000	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-11	6/18/2024		2	4	784	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-12	6/18/2024		0	2	656	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-12	6/18/2024		2	4	448	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-12.1	6/20/2024		0	2.5	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H243707
CS-13	6/18/2024		0	2	1410	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-13	6/18/2024		2	4	432	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-13.1	6/20/2024		0	1	32	<20	<30	<0.05	<0.3	Horizontal Delineation	Cardinal	H243707
CS-14	6/18/2024		0	2	11800	<91.5	<118.1	<0.05	<0.3		Cardinal	H243583
CS-14	6/18/2024		2	4	11200	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-14	6/18/2024		4	6	6930	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-14	6/18/2024		6	8	432	<20	<30	<0.05	<0.3	Vertical Delineation	Cardinal	H243583

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Category	Lab	Lab #
NMOCD Closure Criteria												
0 - 4 feet & "not in-use"					600	--	100	10	50			
> 4 ft					10,000	1,000	2,500	10	50			
CS-15	6/18/2024		0	2	2160	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-15	6/18/2024		2	4	576	<37.3	<57.4	<0.05	<0.3		Cardinal	H243583
CS-16	6/18/2024		0	2	1880	<20	<30	<0.05	<0.3		Cardinal	H243583
CS-16	6/18/2024		2	4	784	<20	<30	<0.05	<0.3		Cardinal	H243583
Exceed NMOCD Closure Criteria												
ND = non detect												

Appendix A

Communications

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 185491

QUESTIONS

Operator: Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	OGRID: 330447
	Action Number: 185491
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Roberts AGX State 1
Date Release Discovered	02/06/2023
Surface Owner	State

Incident Details *Please answer all the questions in this group.*	
Incident Type	Blow Out
Did this release result in a fire or is the result of a fire	No
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	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	Cause: Blow Out | Valve | Natural Gas Vented | Released: 0 Mcf (Unknown Released Amount) | Recovered: 0 Mcf | Lost: 0 Mcf.
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)	Leak on surface casing valve blowing out gas and formation mud/fluid

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QUESTIONS (continued)

Operator: Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	OGRID: 330447
	Action Number: 185491
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**Yes, according to supplied volumes this appears to be a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• Unauthorized release an unknown volume (TBD) of gases exceeding 500 Mcf
If YES, was immediate notice given to the OCD, by whom	Ashley Innes
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher
If YES, was immediate notice given to the OCD, when	02/06/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	email
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 19.15.29.8 B. (4) 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	OGRID: 330447
	Action Number: 185491
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	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.
☑	I acknowledge the fact that 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.
☑	I acknowledge the fact that, 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.

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CONDITIONS

Operator:	OGRID:
Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	330447
	Action Number: 185491
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
cstuart	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/13/2023

From: Andrew Parker
To: Dimitry Nikanorov
Subject: FW: Legacy Reserve Pit Closure Pan Robert AGX State 1 API: 30-025-33406
Date: Tuesday, March 26, 2024 7:26:17 AM

And the follow up response from NMOCD.

Andrew Parker
Environmental Manager
McNabb Partners
c: (970) 570-9535

From: Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>
Sent: Monday, March 25, 2024 3:01 PM
To: Laura Parker <Laura@mcnabbpartners.com>; Andrew Parker <Andrew@mcnabbpartners.com>; chris.davis@contango.com; trey.haines@contango.com
Cc: Barr, Leigh, EMNRD <leighp.barr@emnrd.nm.gov>
Subject: Legacy Reserve Pit Closure Pan Robert AGX State 1 API: 30-025-33406

Legacy Reserve Pit Closure Pan Robert AGX State 1 API: 30-025-33406

Good afternoon Ms. Parker.

NMOCD has reviewed the proposed Closure Plan received from [330447] Contango Resources, LLC on March 5, 2024, Application ID: 320239, for a legacy pit associated with 30-025-33406 ROBERT AGX STATE #001. The proposed closure plan is denied for the following reason:

- The remediation and clean-up need to be based on an approved remediation plan meeting the requirements of 19.15.29 NMAC, given this is a legacy pit that was constructed and utilized prior to 19.15.17 NMAC development.

Please let me know if you have any additional questions.
Regards,

Victoria Venegas ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@emnrd.nm.gov
https://www.emnrd.nm.gov/ocd/

From: Laura Parker
To: Victoria.Venegas@emnrd.nm.gov
Cc: Andrew Parker; Chris.Davis@contango.com; Trey.Haines@contango.com
Subject: FW: Legacy Reserve Pit Closure Pan Robert AGX State 1 API: 30-025-33406
Date: Saturday, March 23, 2024 3:30:00 PM
Attachments: nAPP2304441722 Characterization and Remediation Plan Robert AGX State 1.pdf

Good Afternoon Ms. Venegas,

The response to your request for clarification is embedded in the email below. Please advise if you would like this information in another format.

Please let me know if you have any questions.

Laura Parker
Environmental Specialist
McNabb Partners
c: (505) 270-8647

From: Andrew Parker <Andrew@mcnabbpartners.com>
Sent: Thursday, March 21, 2024 4:13 PM
To: Laura Parker <Laura@mcnabbpartners.com>
Subject: FW: Legacy Reserve Pit Closure Pan Robert AGX State 1 API: 30-025-33406

See below.

Andrew Parker
Environmental Manager
McNabb Partners
c: (970) 570-9535

From: Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>
Sent: Thursday, March 21, 2024 1:13 PM
To: chris.davis@contango.com; Andrew Parker <Andrew@mcnabbpartners.com>
Subject: Legacy Reserve Pit Closure Pan Robert AGX State 1 API: 30-025-33406

Legacy Reserve Pit Closure Pan Robert AGX State 1 API: 30-025-33406

Good afternoon Mr. Parker,
Regarding Application ID: 320239 submitted to OCD on 03/05/2024, could you please clarify the following:

1. The closure plan states that this is a “legacy **buried** reserve pit.” How old is this pit and was it buried with liner and stabilized waste? Is there any analytical data for when this was buried? Robert AGX State 1 was drilled in 1996 by Yates Petroleum Corporation. Contango Resources lease transfer occurred on 1/28/2021. No documentation of the pit is available on NMOCD online, however, aerial photography (Google Earth) shows the horseshoe pit present in September of 1996. The next available image is from 10/2002 and the pit is not visible. Numerous subsequent images, as well as recent surface use implies the liquids were removed and waste stabilized, supporting vehicular movement. We do not have any information about how the pit was closed post completion of drilling or if any sampling was done. This occurred prior to the creation of permitting requirements and standards developed in 2004 (19.15.2.50 NMAC).

   Site assessment for characterization of reported release, in preparation for site reclamation and restoration, identified impacted soils in the area of 1996 horseshoe pit. Characterization and delineation sampling of the release extent also assisted in defining the outline of what is presumed (based on available data) to be buried 1996 pit. Liner material was noted during characterization sample event. Information regarding current sampling and analytical was submitted in the pit closure plan.

   Attached is a copy of the remediation plan submitted to NMOCD, pending approval, for your reference. It is noteworthy that the analytical results of the pit material meet criteria for on-site burial.

2. The OCD is unclear what Contango plans to do with all the excavated waste. The closure plans states, “A lined on-site area will be used to stockpile excavated material. The burial trench will be located in the same location as the legacy pit, once excavated.” Contango is proposing in-place burial of the waste material from the pit within a burial trench in the footprint of the fully excavated pit location. Where on a map is this designated lined area? Liner area to stockpile pit material will be placed on the pad to the south of the pit, and overlying the release extent, pending burial. What does Contango plan to do with the liner after removing soil from the lined area? Liner material may be used to cap the in-place burial, if approved, or hauled off for proper disposal. What does Contango plan to do with the release extent outside of the pit area; will this waste be stockpiled on the lined area? Once the in-place burial of the reserve pit material is completed according to 19.15.17.11 K NMAC, remediation of any impacted soils from the release that is outside of the pit area will be hauled off site for disposal at a division approved facility as stated in the remediation plan. Approximately 250 yds of impacted material were hauled off for disposal at a division approved facility as part of the initial response to the release to reduce burden of contaminants.

3. The OCD did not see a paint filter liquids test as part of the closure plan. We will perform a paint filter liquids test on the excavated material from the pit.

Thank you for your cooperation.
Regards,

Victoria Venegas ● Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@emnrd.nm.gov
https://www.emnrd.nm.gov/ocd/

Andrew Parker

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Friday, September 29, 2023 1:09 PM
To: Andrew Parker; 'spills@slo.state.nm.us'; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Chris Davis; Trey Haines; Laura Parker
Subject: RE: [EXTERNAL] nAPP2304441722 48 Hr Sampling Notice

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Andrew Parker <andrew@mcnabbpartners.com>
Sent: Friday, September 29, 2023 12:40 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; 'spills@slo.state.nm.us' <spills@slo.state.nm.us>
Cc: Chris Davis <Chris.Davis@contango.com>; Trey Haines <Trey.Haines@contango.com>; Laura Parker <lparker@ameredev.com>
Subject: [EXTERNAL] nAPP2304441722 48 Hr Sampling Notice

NMOCD & SLO,

On the behalf of Contango Resources, please accept this email as the 2-day soil sampling notice for Incident Number nAPP2304441722. The soil sampling event is for release characterization. Some of the collected samples may be used for confirmation sampling during closure reporting. Soil sampling is scheduled for Wednesday, October 3rd.

A remediation plan will be submitted for approval following analytical results from the October 3rd sampling event.

Thank you,

Andrew Parker
Environmental Manager
McNabb Partners
c: (970) 570-9535

Appendix B

Well Logs

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Yates Petroleum Owner's Well No. _____
Street or Post Office Address c/o Glenn's Water Well Service
City and State P.O. Box 692 Tatum, New Mexico 88267

Well was drilled under Permit No. L-10,572 and is located in the:

a. _____ ¼ NW ¼ NE ¼ NE ¼ of Section 20 Township 16-S. Range 36-E. N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Glenn's Water Well Service License No. WD 421

Address P.O. Box 692 Tatum, New Mexico 88267

Drilling Began 6-27-96 Completed 6-27-96 Type tools rotary Size of hole 9 7/8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 160 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 70 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
80	155	75	sand	100

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6 5/8	.188		1	160	160	none	84	160

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY 509236

Date Received 07/03/96
Quad _____ FWL _____ FSL _____
File No. L-10,572 Use OWD Location No. 16.36.20.2210

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		
0	2	2	soil
2	28	26	caleche
28	65	37	sand and rock
65	80	15	sand
80	155	75	water sand
155	158	3	sandy clay
158	160	2	red clay

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Corky Glenn
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: L-10572 POD1

Well owner: Yates Petroleum Phone No.: 575-390-4740

Mailing address: 357 Wilks Rd

City: Lovington State: N.M. Zip code: 88260

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Roy Taylor Drilling

2) New Mexico Well Driller License No.: WD1626 Expiration Date: March 31 2025

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Roy Taylor

4) Date well plugging began: 11/30/23 Date well plugging concluded: 11/30/23

5) GPS Well Location: Latitude: 32 deg, 54 min, 51.0 sec
Longitude: 103 deg, 22 min, 16.016 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 160 ft below ground level (bgl), by the following manner: Solinst Model 122 Interface Meter;Lowering cable all of the way to the bottom getting a TD

7) Static water level measured at initiation of plugging: 70 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 11/9/23

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

took more cement then initially figured to fill the cavity

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Portland type I&II Cement Slurry SLR9SK00 Grout	359.5066 gallons	254.4822 gallons	Tremie Pipe	Pumped cement slurry from the bottom to the top.Well record showed perforations from 84' to 160'. From 84' to 5' below the ground surface. Pump slurry out and around the cut off casing then put clean soil on top.

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Roy Taylor, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Roy Taylor
Signature of Well Driller

12/4/2023
Date

Version: September 8, 2009
Page 2 of 2

(3)

Revised June 1972

Test hole 2
SANTA FE
513970

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Hulda R. Heidel Owner's Well No. _____
Street or Post Office Address 1018 West Ave. K
City and State Lovington, N.M.

Well was drilled under Permit No. L-7649 and is located in the:

a. _____ ¼ ~~NW~~ ¼ ~~SW~~ SE ¼ SE ¼ of Section 17 Township 16 S. Range 36 E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Lea County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor E.H. Sumruld License No. WD 230

Address 606 West Ave. I, Lovington, N. M.

Drilling Began 2-4-77 Completed 2-4-77 Type tools rotary Size of hole 4½ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 160 ft.

Completed well is ☐ shallow ☐ artesian. (Test hole) Depth to water upon completion of well 70 ½ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
74	101	27	sand with sand gravel &	
			layers of sandstone	
101	135	34	red sand with stringers of sandstone	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

STATE ENGINEER OFFICE
SANTA FE, N.M. 87501

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 2-17-77

Quad _____ FWL _____ FSL _____

File No. L-7649 Use DWD Location No. 16.36.17.44413

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	2½	2½	top soil
2½	5	2½	sandy caliche
5	24	19	caliche
24	70	46	dand w/ stringers of sandstone.
70	74	4	white clay & caliche
74	101	27	Brn. sand w/ sand gravel & layers of sandstone.
101	135	34	red sand w/ stringers of sandstone.
135	160	25	red sand,sandy clay w/ colored gravel

Section 7. REMARKS AND ADDITIONAL INFORMATION

STATE ENGINEER OFFICE
ROSWELL, N.M.
'77 FEB 17 AM 8 29

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

E. H. Sumrall
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Revised June 1972

Testholes
SANTA FE
513970

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Hulda R. Heidel Owner's Well No. _____
Street or Post Office Address 1018 W. Ave. K
City and State Lovington, N.M.

Well was drilled under Permit No. L-7649 and is located in the:

a. ____ ¼ ____ ¼ SE ¼ SE ¼ of Section 17 Township 16 S Range 36 E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Lea County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor E.H.Sumruld License No. Wd 230

Address 606 West Ave. I , Lovington, N.M.

Drilling Began 2-8-77 Completed 2-8-77 Type tools rotary Size of hole 4½ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 140 ft.

Completed well is ☑ shallow ☐ artesian. Depth to water upon completion of well 69' 9" ft.
(test hole)

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
78	95	17	sand & gravel	
98	125	27	sand w/ gravel & stringers of sandstone	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To

STATE ENGINEER OFFICE
SANTA FE, N.M. 87501
'77 FEB 15 PM 1 14

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 2-17-77

Quad _____ FWL _____ FSL _____

File No. L-7649 Use OWD Location No. 16.36.17.44412

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	1	1	top soil
1	25	24	caliche
25	78	53	sand & sandstone layers
78	95	17	sand w/sand gravel (brown)
95	98	3	hard sandstone (grey-brown)
98	125	27	sand w/gravel & stringers of sandstone (red-brn.
125	140	15	sand & sandy clay (red)

Section 7. REMARKS AND ADDITIONAL INFORMATION

'77 FEB 17 AM 8 26
STATE ENGINEER OFFICE
ROSWELL, N.M.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

E. H. Summerlin
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Appendix C

Certificates of Analysis

Report to:

Andrew Parker

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

McNabb Partners

Project Name:	20230713-1151- robert AGX 1
Work Order:	E310050
Job Number:	23083-0001
Received:	10/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/13/23

Date Reported: 10/13/23

Andrew Parker
4008 N Grimes #270
Hobbs, NM 88240

Project Name: 20230713-1151- robert AGX 1
Workorder: E310050
Date Received: 10/9/2023 8:25:00AM

Andrew Parker,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2023 8:25:00AM, under the Project Name: 20230713-1151- robert AGX 1.

The analytical test results summarized in this report with the Project Name: 20230713-1151- robert AGX 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

Michelle Golzales
Technical Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/23 15:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-01.1 0-1.5FT	E310050-01A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-01.2 0-1.5FT	E310050-02A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-01.1 1.5-3FT	E310050-03A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-02 0-1.5FT	E310050-04A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-03 0-1.5FT	E310050-05A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-04 0-2FT	E310050-06A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-01.3 0-1FT	E310050-07A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-05 0-2FT	E310050-08A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-05 2FT	E310050-09A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-07 0-2FT	E310050-10A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-07 2-4FT	E310050-11A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-07 4.2FT	E310050-12A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-06 0-2FT	E310050-13A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-06 2-3FT	E310050-14A	Soil	10/05/23	10/09/23	Glass Jar, 2 oz.
CS-06 3.5FT	E310050-15A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-08 0-2FT	E310050-16A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-08 2-3.5FT	E310050-17A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-08 4.25FT	E310050-18A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-09 0-2FT	E310050-19A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-09 2-4FT	E310050-20A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-09 4.2FT	E310050-21A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-10 0-2FT	E310050-22A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
CS-10 2.5FT	E310050-23A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-01.1 0-1.5FT

E310050-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*78.8 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**587**	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-01.2 0-1.5FT

E310050-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*80.8 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**842**	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-01.1 1.5-3FT

E310050-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	**0.0704**	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	**0.0598**	0.0500	1	10/09/23	10/10/23	
Total Xylenes	**0.130**	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*83.9 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**519**	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-02 0-1.5FT

E310050-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*74.1 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	ND	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-03 0-1.5FT

E310050-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*81.8 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**47.5**	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-04 0-2FT

E310050-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*81.0 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**28.7**	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-01.3 0-1FT

E310050-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*85.1 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	ND	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-05 0-2FT

E310050-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**160**	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-05 2FT

E310050-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**301**	20.0	1	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-07 0-2FT

E310050-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*10/09/23*	*10/10/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	**41.2**	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*88.7 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**4710**	400	20	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-07 2-4FT

E310050-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*83.5 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**5830**	400	20	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-07 4.2FT

E310050-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**1920**	40.0	2	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-06 0-2FT

E310050-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*76.2 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**6130**	400	20	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-06 2-3FT

E310050-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	**81.7**	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	**101**	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*82.1 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**4940**	400	20	10/09/23	10/10/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-06 3.5FT

E310050-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*79.8 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**2310**	40.0	2	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-08 0-2FT

E310050-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	**45.5**	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*78.7 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**18400**	1000	50	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-08 2-3.5FT

E310050-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	**139**	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	**78.1**	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**16600**	1000	50	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-08 4.25FT

E310050-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*78.2 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**5500**	400	20	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-09 0-2FT

E310050-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*90.3 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**4020**	200	10	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-09 2-4FT

E310050-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341005
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2341037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/11/23	
Surrogate: n-Nonane		*85.9 %*	*50-200*	*10/10/23*	*10/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2341018
Chloride	**1880**	40.0	2	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-09 4.2FT

E310050-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341011
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341011
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2341036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/10/23	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*10/10/23*	*10/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2341019
Chloride	**90.8**	20.0	1	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-10 0-2FT

E310050-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341011
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341011
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2341036
Diesel Range Organics (C10-C28)	**123**	25.0	1	10/10/23	10/10/23	
Oil Range Organics (C28-C36)	**120**	50.0	1	10/10/23	10/10/23	
Surrogate: n-Nonane		*84.9 %*	*50-200*	*10/10/23*	*10/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2341019
Chloride	**16300**	1000	50	10/09/23	10/11/23	

Sample Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

CS-10 2.5FT

E310050-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2341011
Benzene	ND	0.0250	1	10/09/23	10/11/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/11/23	
Toluene	ND	0.0250	1	10/09/23	10/11/23	
o-Xylene	ND	0.0250	1	10/09/23	10/11/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/11/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/11/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2341011
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/11/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*10/09/23*	*10/11/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2341036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/23	10/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/23	10/10/23	
Surrogate: n-Nonane		*81.9 %*	*50-200*	*10/10/23*	*10/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2341019
Chloride	**1040**	40.0	2	10/09/23	10/12/23	

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341005-BLK1)									Prepared: 10/09/23 Analyzed: 10/10/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			
LCS (2341005-BS1)									Prepared: 10/09/23 Analyzed: 10/10/23
Benzene	4.62	0.0250	5.00		92.4	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.3	70-130			
Toluene	4.72	0.0250	5.00		94.3	70-130			
o-Xylene	4.74	0.0250	5.00		94.8	70-130			
p,m-Xylene	9.62	0.0500	10.0		96.2	70-130			
Total Xylenes	14.4	0.0250	15.0		95.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike (2341005-MS1)				**Source: E310050-02**					Prepared: 10/09/23 Analyzed: 10/10/23
Benzene	4.43	0.0250	5.00	ND	88.6	54-133			
Ethylbenzene	4.51	0.0250	5.00	ND	90.3	61-133			
Toluene	4.53	0.0250	5.00	ND	90.5	61-130			
o-Xylene	4.59	0.0250	5.00	ND	91.8	63-131			
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	92.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			
Matrix Spike Dup (2341005-MSD1)				**Source: E310050-02**					Prepared: 10/09/23 Analyzed: 10/10/23
Benzene	4.40	0.0250	5.00	ND	88.1	54-133	0.589	20	
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133	0.0765	20	
Toluene	4.50	0.0250	5.00	ND	90.0	61-130	0.546	20	
o-Xylene	4.57	0.0250	5.00	ND	91.4	63-131	0.403	20	
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	63-131	0.0570	20	
Total Xylenes	13.8	0.0250	15.0	ND	91.9	63-131	0.172	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.3*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341011-BLK1)									Prepared: 10/09/23 Analyzed: 10/11/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.64*		*8.00*		*95.6*	*70-130*			
LCS (2341011-BS1)									Prepared: 10/09/23 Analyzed: 10/11/23
Benzene	4.43	0.0250	5.00		88.6	70-130			
Ethylbenzene	4.24	0.0250	5.00		84.7	70-130			
Toluene	4.42	0.0250	5.00		88.4	70-130			
o-Xylene	4.41	0.0250	5.00		88.2	70-130			
p,m-Xylene	8.77	0.0500	10.0		87.7	70-130			
Total Xylenes	13.2	0.0250	15.0		87.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2341011-MS1)				**Source: E310051-05**					Prepared: 10/09/23 Analyzed: 10/11/23
Benzene	4.75	0.0250	5.00	ND	95.0	54-133			
Ethylbenzene	4.55	0.0250	5.00	ND	91.1	61-133			
Toluene	4.74	0.0250	5.00	ND	94.8	61-130			
o-Xylene	4.70	0.0250	5.00	ND	94.1	63-131			
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			
Matrix Spike Dup (2341011-MSD1)				**Source: E310051-05**					Prepared: 10/09/23 Analyzed: 10/11/23
Benzene	4.57	0.0250	5.00	ND	91.4	54-133	3.81	20	
Ethylbenzene	4.38	0.0250	5.00	ND	87.6	61-133	3.92	20	
Toluene	4.56	0.0250	5.00	ND	91.2	61-130	3.87	20	
o-Xylene	4.52	0.0250	5.00	ND	90.4	63-131	3.98	20	
p,m-Xylene	9.05	0.0500	10.0	ND	90.5	63-131	4.07	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.5	63-131	4.04	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.2*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341005-BLK1)									Prepared: 10/09/23 Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
LCS (2341005-BS2)									Prepared: 10/09/23 Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike (2341005-MS2)				**Source: E310050-02**					Prepared: 10/09/23 Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			
Matrix Spike Dup (2341005-MSD2)				**Source: E310050-02**					Prepared: 10/09/23 Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.0	70-130	5.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.3*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341011-BLK1)									Prepared: 10/09/23 Analyzed: 10/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			
LCS (2341011-BS2)									Prepared: 10/09/23 Analyzed: 10/11/23
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2341011-MS2)				**Source: E310051-05**					Prepared: 10/09/23 Analyzed: 10/11/23
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	86.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
Matrix Spike Dup (2341011-MSD2)				**Source: E310051-05**					Prepared: 10/09/23 Analyzed: 10/11/23
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.3	70-130	0.369	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341036-BLK1)									Prepared: 10/10/23 Analyzed: 10/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.9*		*50.0*		*87.7*	*50-200*			
LCS (2341036-BS1)									Prepared: 10/10/23 Analyzed: 10/10/23
Diesel Range Organics (C10-C28)	217	25.0	250		86.6	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*50-200*			
Matrix Spike (2341036-MS1)				**Source: E310051-02**					Prepared: 10/10/23 Analyzed: 10/10/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.2	38-132			
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*50-200*			
Matrix Spike Dup (2341036-MSD1)				**Source: E310051-02**					Prepared: 10/10/23 Analyzed: 10/10/23
Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.6	38-132	1.78	20	
Surrogate: n-Nonane	*44.2*		*50.0*		*88.3*	*50-200*			

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341037-BLK1)									Prepared: 10/10/23 Analyzed: 10/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*50-200*			
LCS (2341037-BS1)									Prepared: 10/10/23 Analyzed: 10/11/23
Diesel Range Organics (C10-C28)	220	25.0	250		88.0	38-132			
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*50-200*			
Matrix Spike (2341037-MS1)				**Source: E310050-08**					Prepared: 10/10/23 Analyzed: 10/11/23
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132			
Surrogate: n-Nonane	*42.4*		*50.0*		*84.7*	*50-200*			
Matrix Spike Dup (2341037-MSD1)				**Source: E310050-08**					Prepared: 10/10/23 Analyzed: 10/11/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.6	38-132	3.21	20	
Surrogate: n-Nonane	*43.0*		*50.0*		*85.9*	*50-200*			

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341018-BLK1)									Prepared: 10/09/23 Analyzed: 10/10/23
Chloride	ND	20.0							
LCS (2341018-BS1)									Prepared: 10/09/23 Analyzed: 10/10/23
Chloride	271	20.0	250		108	90-110			
Matrix Spike (2341018-MS1)				**Source: E310050-01**					Prepared: 10/09/23 Analyzed: 10/10/23
Chloride	855	20.0	250	587	107	80-120			
Matrix Spike Dup (2341018-MSD1)				**Source: E310050-01**					Prepared: 10/09/23 Analyzed: 10/10/23
Chloride	864	20.0	250	587	111	80-120	1.06	20	

QC Summary Data

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/2023 3:03:01PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2341019-BLK1)									Prepared: 10/09/23 Analyzed: 10/11/23
Chloride	ND	20.0							
LCS (2341019-BS1)									Prepared: 10/09/23 Analyzed: 10/11/23
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2341019-MS1)				**Source: E310050-21**					Prepared: 10/09/23 Analyzed: 10/11/23
Chloride	343	20.0	250	90.8	101	80-120			
Matrix Spike Dup (2341019-MSD1)				**Source: E310050-21**					Prepared: 10/09/23 Analyzed: 10/11/23
Chloride	338	20.0	250	90.8	99.1	80-120	1.27	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

McNabb Partners	Project Name:	20230713-1151- robert AGX 1	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/13/23 15:03

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 3

Client: McNabb Partners	**Bill To**
Project: 20230713-1151 - robert A6X 1	Attention: McNabb Partners
Project Manager: Andrew Parker	Address: 4008 N. Grimes, PMB 270
Address:	City, State, Zip Hobbs, NM 88240
City, State, Zip	Phone: 575-397-0050
Phone: 970-570-9535	Email: kim@mcnabbpartners.com
Email: andrew@mcnabbpartners.com	
Report due by:	

Lab Use Only: Lab WO# E310050 | Job Number 23083-0001

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC - NM | TCEQ 1005- TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC - NM	Remarks
10:40	10/5	S	1	CS-01.1 0-1.5 FT	1	X	
11:10	10/5	S	1	CS-01.2 0-1.5 FT	2	X	
12:05	10/5	S	1	CS-01.1 1.5-3 FT	3	X	
09:55	10/5	S	1	CS-02 0-1.5 FT	4	X	
09:09	10/5	S	1	CS-03 0-1.5 FT	5	X	
10:24	10/5	S	1	CS-04 0-2 FT	6	X	
12:58	10/5	S	1	CS-01.3 0-1 FT	7	X	
13:15	10/5	S	1	CS-05 0-2 FT	8	X	
13:20	10/5	S	1	CS-05 2 FT	9	X	
13:42	10/5	S	1	CS-07 0-2FT	10	X	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Andrew Parker

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/6	13:00		10-6-23	1300
	10-6-23	1730		10/6/23	1770
	10/6/23	11:11pm		10.9.23	8:25

Lab Use Only — Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 3

Client: McNabb Partners	**Bill To**
Project: 20230713-1151-robertA6x1	Attention: McNabb Partners
Project Manager: Andrew Parker	Address: 4008 N. Grimes, PMB 270
Address:	City, State, Zip Hobbs, NM 88240
City, State, Zip	Phone: 575-397-0050
Phone: 970-570-9535	Email: kim@mcnabbpartners.com
Email: andrew@mcnabbpartners.com	
Report due by:	

Lab Use Only

Lab WO# E310050 | Job Number 23083-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
13:55	10/5	S	1	CS-07 2-4 FT	11							X		
14:42	10/5	S	1	CS-07 4.2 FT	12							X		
15:00	10/5	S	1	CS-06 0-2 FT	13							X		
15:15	10/5	S	1	CS-06 2-3 FT	14							X		
08:50	10/6	S	1	CS-06 3.5 FT	15							X		
09:00	10/6	S	1	CS-08 0-2 FT	16							X		
09:20	10/6	S	1	CS-08 2-3.5 FT	17							X		
10:42	10/6	S	1	CS-08 4.25 FT	18							X		
10:54	10/6	S	1	CS-09 0-2 FT	19							X		
1105	10/6	S	1	CS-09 2-4 FT	20							X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Andrew Parker

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Andrew Parker	10/6	13:00	Michelle Gaytan	10.6.23	1300
Michelle Gaytan	10.6.23	1730	Jen Luna	10/6/23	1730
Jen Luna	10/6/23	11:11am	Cathy Mar	10.9.23	8:25
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 3 of 3

Client: McNabb Partners	**Bill To**
Project: 20230713 - 1151 - robert AGX1	Attention: McNabb Partners
Project Manager: Andrew Parker	Address: 4008 N. Grimes, PMB 270
Address:	City, State, Zip Hobbs, NM 88240
City, State, Zip	Phone: 575-397-0050
Phone: 970-570-9535	Email: kim@mcnabbpartners.com
Email: andrew@mcnabbpartners.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E310050	23083-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
11:20	10/6	S	1	CS-09 4.2 FT	21							X		
11:42	10/6	S	1	CS-10 0-2FT	22							X		
12:05	10/6	S	1	CS-10 2.5 FT	23							X		

Analysis and Method

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Andrew Parker

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Andrew Parker	10/6	13:06	Michelle Cruz	10-6-23	1306
Michelle Cruz	10/6/23	1730	Jan Luna	10/6/23	1730
Jan Luna	10/6/23	11:11 pm	Cathy Man	10.9.23	8:25
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 10/9/2023 10:35:55AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	McNabb Partners	Date Received:	10/09/23 08:25	Work Order ID:	E310050
Phone:	(970) 570-9535	Date Logged In:	10/06/23 16:36	Logged In By:	Caitlin Mars
Email:	andrew@mcnabbpartners.com	Due Date:	10/13/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

CARDINAL Laboratories

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

June 24, 2024

DIMITRY NIKANOROV

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: ROBERT AGX

Enclosed are the results of analyses for samples received by the laboratory on 06/18/24 16:30.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 11 0-2 (H243583-01)

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	06/21/2024	ND	1.88	93.9	2.00	1.60	
Toluene*	<0.050	0.050	06/21/2024	ND	1.97	98.4	2.00	1.91	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.94	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	06/21/2024	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	**3000**	16.0	06/21/2024	ND	400	100	400	7.69	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 11 2-4 (H243583-02)

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	06/21/2024	ND	1.88	93.9	2.00	1.60	
Toluene*	<0.050	0.050	06/21/2024	ND	1.97	98.4	2.00	1.91	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.94	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**784**	16.0	06/21/2024	ND	400	100	400	7.69	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *98.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 12 0-2 (H243583-03)

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	06/21/2024	ND	1.88	93.9	2.00	1.60	
Toluene*	<0.050	0.050	06/21/2024	ND	1.97	98.4	2.00	1.91	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.94	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *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	**656**	16.0	06/21/2024	ND	400	100	400	7.69	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *89.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 12 2-4 (H243583-04)

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	06/21/2024	ND	1.88	93.9	2.00	1.60	
Toluene*	<0.050	0.050	06/21/2024	ND	1.97	98.4	2.00	1.91	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.94	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.12	102	6.00	2.04	
Total BTEX	<0.300	0.300	06/21/2024	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	**448**	16.0	06/21/2024	ND	400	100	400	7.69	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *87.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 13 0-2 (H243583-05)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *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	**1410**	16.0	06/21/2024	ND	400	100	400	7.69	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *90.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Analytical Results For:

MC NABB SERVICES
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P. O. BOX 5753
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Fax To: (575) 391-8484

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 13 2-4 (H243583-06)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *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	**432**	16.0	06/21/2024	ND	400	100	400	7.69	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *85.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.8 %* *49.1-148*

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Analytical Results For:

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P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 14 0-2 (H243583-07)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	**11800**	16.0	06/21/2024	ND	432	108	400	0.00	QM-07

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	**81.5**	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	**26.6**	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

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Fax To: (575) 391-8484

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 14 2-4 (H243583-08)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.0 %* *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	**11200**	16.0	06/21/2024	ND	432	108	400	0.00	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *98.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Analytical Results For:

MC NABB SERVICES
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Fax To: (575) 391-8484

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 14 4-6 (H243583-09)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *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	**6930**	16.0	06/21/2024	ND	432	108	400	0.00	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Analytical Results For:

MC NABB SERVICES
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Fax To: (575) 391-8484

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 14 6-8 (H243583-10)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *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	**432**	16.0	06/21/2024	ND	432	108	400	0.00	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *89.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *49.1-148*

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Analytical Results For:

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

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 16 0-2 (H243583-11)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *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	**1880**	16.0	06/21/2024	ND	432	108	400	0.00	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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Analytical Results For:

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

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 16 2-4 (H243583-12)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *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	**784**	16.0	06/21/2024	ND	432	108	400	0.00	

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	06/20/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

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Analytical Results For:

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Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 15 0-2 (H243583-13)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *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	**2160**	16.0	06/21/2024	ND	432	108	400	0.00	

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	06/21/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	<10.0	10.0	06/21/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Analytical Results For:

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HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	06/18/2024	Sampling Date:	06/18/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 15 2-4 (H243583-14)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *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	**576**	16.0	06/21/2024	ND	432	108	400	0.00	

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	06/21/2024	ND	191	95.4	200	3.33	
DRO >C10-C28*	**27.3**	10.0	06/21/2024	ND	204	102	200	2.77	
EXT DRO >C28-C36	**20.1**	10.0	06/21/2024	ND					

Surrogate: 1-Chlorooctane *98.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

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

Company Name: McNabb Partners	BILL TO
Project Manager: Dimitry 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: Contango	City:
Project Name: Robert AGX	State: Zip:
Project Location: Lea Co, NM	Phone #:
Sampler Name: Dimitry Nikanorov	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE:	PRESERV.: ICE / COOL	PRESERV.: OTHER:	SAMPLING: DATE	SAMPLING: TIME	Chloride	TPH	BTEX
H243583 1	CS-11	0-2	G	1			X					X		6/18/24	9:00	X	X	X
2	CS-11	2-4	G	1			X					X		6/18/24	9:30	X	X	X
3	CS-12	0-2	G	1			X					X		6/18/24	10:00	X	X	X
4	CS-12	2-4	G	1			X					X		6/18/24	10:30	X	X	X
5	CS-13	0-2	G	1			X					X		6/18/24	11:00	X	X	X
6	CS-13	2-4	G	1			X					X		6/18/24	11:30	X	X	X
7	CS-14	0-2	G	1			X					X		6/18/24	12:00	X	X	X
8	CS-14	2-4	G	1			X					X		6/18/24	12:30	X	X	X
9	CS-154 SC	4-6	G	1			X					X		6/18/24	13:00	X	X	X
10	CS-154 SC	6-8	G	1			X					X		6/18/24	13:30	X	X	X

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Relinquished By: [signature]	Date: 6-18-24 Time: 1630	Received By: [signature]	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: dmitrynikanorov1@gmail.com, dimitry@mcnabbpartners.com, andrew@mcnabbpartners.com
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.7 Corrected Temp. °C	Sample Condition Cool Intact ☑ Yes ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials) TO
Turnaround Time: Standard	Thermometer ID ~~#113~~ #140 Correction Factor ~~-0.5°C~~ TO. 6/18/24	Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	Observed Temp. °C Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

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

Company Name: McNabb Partners	BILL TO
Project Manager: Dimitry 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: Contango	City:
Project Name: Robert AGX	State: Zip:
Project Location: Lea Co, NM	Phone #:
Sampler Name: Dimitry Nikanorov	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride	TPH	BTEX
H243583 11	CS-16	0-2	G	1			X					X		6/18/24	14:00	X	X	X
12	CS-16	2-4	G	1			X					X		6/18/24	14:30	X	X	X
13	CS-15	0-2	G	1			X					X				X	X	X
14	CS-15	2-4	G	1			X					X				X	X	X

C 6/18/24

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Relinquished By: [signature]	Date: 6-18-24 Time: 16:30	Received By: [signature]	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: dmitrynikanorov1@gmail.com, dimitry@mcnabbpartners.com, andrew@mcnabbpartners.com
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.7 Corrected Temp. °C	Sample Condition Cool Intact ☑ Yes ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials) [initials]

Turnaround Time: Standard
Thermometer ID ~~#113~~ #140
Correction Factor ~~-0.5°C~~ [initials] 6/18/24

Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No Observed Temp. °C Corrected Temp. °C

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CARDINAL Laboratories

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June 28, 2024

ANDREW PARKER

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: ROBERT AGX STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 06/21/24 15:40.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/21/2024	Sampling Date:	06/20/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX STATE 1	Sampling Condition:	Cool & Intact
Project Number:	20230715-1151-ROBERTAGX1	Sample Received By:	Alyssa Parras
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 12.1 0-2.5' (H243707-01)

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	06/26/2024	ND	2.23	112	2.00	1.85	
Toluene*	<0.050	0.050	06/26/2024	ND	2.21	110	2.00	2.53	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	2.19	109	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	6.43	107	6.00	3.94	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	06/25/2024	ND	432	108	400	0.00	

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	06/28/2024	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/28/2024	ND	198	98.9	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	06/28/2024	ND					

Surrogate: 1-Chlorooctane *97.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/21/2024	Sampling Date:	06/20/2024
Reported:	06/28/2024	Sampling Type:	Soil
Project Name:	ROBERT AGX STATE 1	Sampling Condition:	Cool & Intact
Project Number:	20230715-1151-ROBERTAGX1	Sample Received By:	Alyssa Parras
Project Location:	CONTANGO - LEA CO NM		

Sample ID: CS - 13.1 0-1' (H243707-02)

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	06/26/2024	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	06/26/2024	ND	1.94	96.8	2.00	2.17	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.98	99.2	2.00	2.32	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.88	98.0	6.00	2.09	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *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	06/25/2024	ND	432	108	400	0.00	

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	06/25/2024	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	198	98.9	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane *90.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: On-File
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner: Contango
Project Name: 20230713-1151-Robert AGX 1
Project Location: Robert AGX State 1
Sampler Name: Christopher Turner

BILL TO

P.O. #: 20230713-1151-Robert AGX 1
Company: McNabb Partners
Attn: andrew@mcnabbpartners.com
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride	TPH (GRO+DRO+MRO)	BTEX (Benzene)
H24370-1	CS-12.1	0-2.5 Ft	C	1			X					X		06.20	1:15	X	X	X
2	CS-13.1	0-1 Ft	C	1			X					X		06.20	12:47	X	X	X

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Relinquished By: Date: 07.21.24 Time: 1540 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C Corrected Temp °C 1.8
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) AD

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor 0°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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Appendix D

Reclamation Plan

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

July 16, 2024

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

RE: Site Characterization and Remediation Work Plan Proposal
Incident ID: nAPP2304441722
Robert AGX State 1
Project ID: 20230713-1151-robertAGX1

NMOCD:

McNabb Partners LLC (McNabb) submits this revised Site Characterization and Remediation Work Plan on behalf of Contango Resources (Contango). This document describes site assessment and planned remedial activities to include the following impacted areas (Plate 1):

- The area of release Incident ID: nAPP2304441722
- The area of the legacy reserve pit (1996) comingled with release extent.
- Areas of Interest (AOI) identified by EM survey, visual site assessment.

This document also includes a sample grid variance request and request to recycle clean, onsite caliche as a portion of the backfill material during final surface reclamation as the location is no longer in-use for oil and gas operations.

The Reclamation plan, as proposed according to State Land Office guidelines, is attached in Appendix D.

The release was discovered on 02/06/2023 and the initial report estimated an unknown volume of release of gases and a leak from surface casing that included formation mud/fluid. Initial Notification of Release is in Appendix A. On further site evaluation, the nongaseous release volume is assessed to include approximately 17.8 bbls of oil and 14.5 bbls of produced water. Initial response included surface scraping of the mapped release extent (Plate 1). Approximately 250 cu yds of impacted material was hauled off to an approved disposal facility.

The release comingled with a legacy reserve pit. Per communication with NMOCD, the legacy reserve pit will be remediated in accordance with 19.15.29 NMAC. The associated correspondence with NMOCD is attached to this report in Appendix A. The release is shown in Figure 1. Figure 2 is a view of the release after initial surface scraping.

Figure 1: View of release extent facing northeast from the south. Date Taken: 02/06/2023, 12:36:06 GPS: 32.9138563, -103.3706660

Figure 2: View of the release extent facing northwest from the southeastern extent of the release after surface scraping. Date Taken: 02/07/2023 12:31;15 GPS: 103.3704967°W 32.9140062°N

In preparation for site reclamation, all areas of impact, identified by EM survey results or through visual site assessment, supported by characterization soil sample laboratory analysis, will also be remediated as a part of this process. This includes areas identified as:

AOI 1 – area NW of legacy reserve pit, comingled with pit area, suspect impact occurred during reserve pit operations.
AOI 3 – Adjacent to the wellhead and may reflect residual impacted material from the release after surface scraping. (Volume calculation: <1 bbl).

The following areas of interest are considered to be unrelated to this incident or the legacy reserve pit, however are included in remediation plan as a part of site reclamation. Volume calculations are less than 5 bbls.

AOI 2 – South of the release extent, adjacent to the footprint of the former tank battery.
AOI 4 – Surface staining noted during site assessment.

These areas are described in detail under Site Characterization below.

Following remediation, the location will be restored/reclaimed in conjuction with 19.15.29.13 NMAC and State Land Office Reclamation Plan (approval pending).

1 Site Characterization

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

1.1 Site Map

Plate 1 maps the features described in this section relative to the pad reclamation area, lease road (to be reclaimed per SLO requirements) and P&A'd wellhead. The horizontal extent of the release was mapped by Contango lease operators. The legacy reserve pit was georeferenced from 1996 Google Map image (Plate 1-1) showing the reserve pit and area of surface disturbance during operations. The release coordinates are centered on the plugged and abandoned oil and gas well. The coordinates are 32.9139330, -103.3705799 (NAD83/WGS84). The oil and gas well was plugged on 06/27/2023. The release extent and legacy reserve pit are contained within the area subject to reclamation per the State Land Office regulations 19.2.100.67 NMAC. The riser, also mapped on Plate 1, to the east of the pad is a sales riser not operated by Contango. The operator of the riser has been notified for proper decommissioning.

The release extent is estimated at 14,195 sq. ft. The estimated remediation extent is estimated at 24,300 sq. ft and comprises:

- Mapped Release Extent (minus area than may have been remediated with surface scraping)
- Legacy Reserve Pit - (approximately 21,009 sq ft release extent and reserve pit areas combined)
- Area of Interest 1 – An approximately 3000 sq ft area adjacent to and northwest of the Legacy Pit identified during an electromagnetic induction survey (EM Survey).
- Area of Interest 2 – An approximately 35 sq ft area where EM survey suggested Chloride concentration of < 600 mg/kg. (Approximately 1 bbl)
- Area of Interest 3 – An approximately 65 sq ft area where EM survey suggested Chloride concentration of < 600 mg/kg. (< 1 bbl)
- Area of Interest 4 - An approximately 191 sq foot area south of the P&A'd well identified during the initial site assessment (surface staining). (approximately 2.4 bbl)

The total Area of Pad Reclamation is approximately 117,497 sq ft. Lease access road in not included in this calculation but will be reclaimed per State Land Office requirements.

1.2 Depth to Ground Water

A water well located 94-feet west of the release and within the reclamation area was gauged on 10/30/2023, in preparation for the plugging of the water well. Depth-to-water during the plugging event measured 70-feet.

The water well is identified as L-10572. The OSE database plots the water well 237-feet southwest of the release. The actual location of the plugged water well is identified as Misc-436 (L-10572) on Plate 2. The well log and plugging record are located in Appendix B.

1.3 Wellhead Protection Area

Plate 3 shows that the reclamation area is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Not within ½-mile private and domestic water sources (wells and springs). A review of OSE files for the identified wells within a ½-mile shown on Plate 3 indicate that the permitted wells were exploratory/test holes for water availability. Well logs contain no indication that the wells were completed as water wells. Well logs for the two test holes located within 1000 ft of the release extent are located in Appendix B.

L-07165	Exploratory well
L-07649 (POD 3)	Test hole to determine water availability.

L-00209 (POD 7) L-07649 (POD 4)	1530 ft NE of release. No Well Record. Water right change of ownership on file. Test hole to determine water availability.
L-07649 (POD 2) L-07649 (POD 5)	Test hole to determine water availability. Test hole to determine water availability.

- 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 reclamation area 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). A Lake/Pond is identified 0.39-miles east-southeast of the release. Review of aerial imagery shows this lake/pond as a dry depression.

Site Characterization	
What is the shallowest depth to groundwater (ft bgs) Plate 2	70 ft bgs
What measure was used to determine this?	Direct
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 4	1898 ft to the SE
• Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark). Plate 4	1898 ft to the SE
• An occupied permanent residence, school, hospital, institution or church. Plate 5	0.53 miles to the south
• A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. Plate 3	>1/2 mile
• Any other fresh water well or spring. Plate 3	>1/2 mile
• Incorporated municipal boundaries or a defined municipal fresh water well field. Plate 3	>1 mile

• A wetland. Plate 6	1898 ft to the SE
• A subsurface mine. Plate 7	>1 mile
• 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	1.05 miles to the NE

1.5 Soil/Waste Characteristics

The USDA Natural Resources Conservation Service (NRCS) soil survey[1] describes near surface lithology as

> SW corner of the production site, with a portion of the access road: Kimbrough-Lea Complex, 0 to 3% slopes; with a composition of
>
> - 0 to 0.25 feet – gravelly loam
> - 0.25 to 0.83 feet – loam
> - 0.83 to 6.67 feet – cemented material
> - Depth to restrictive feature: 0.33 to 1.5 feet to petrocalcic
>
> Remaining production site (>80%): Lea Loam, 0 to 1% slopes; with a composition of
>
> - 0 to 2.2 feet –loam
> - 2.2 to 3 feet – cemented material
> - Depth to restrictive feature: 1.67 to 3.3 feet to petrocalcic

The Driller's Log from the plugged water well L-10572 (see Plate 2) agrees with the NRCS soil type in the upper 3-feet within the Lea Loam.

[1] https://websoilurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Closure Criteria as listed in Table 1 of 19.15.29 NMAC, where depth to water is 70 ft bgs (feet below ground surface) is defined as:

Upper 4 ft of topsoil:

- Chloride – 600 mg/kg
- TPH – 100 mg/kg
- BTEX – 50 mg/kg
- Benzene – 10 mg/kg

Greater than 4 ft bgs:

- Chloride - 10,000 mg/kg
- GRO+DRO – 1,000 mg/kg
- TPH – 2,500 mg/kg
- BTEX – 50 mg/kg
- Benzene – 10 mg/kg

The location was evaluated for chloride impacted soils through the use of an EM Survey, which suggests areas of impact within the release extent and legacy reserve pit, as well as identified areas of interest outside those features (as described in Section 1.1). This was followed by a series of characterization/delineation soil sample events. Soil samples were analyzed for chloride, TPH, BTEX, and Benzene. *None of the characterization/delineation samples will be used for confirmation samples.*

- Plate 10 shows the location of characterization/delineation sample points in relation to the release extent, reserve pit, and areas of interest. The EM survey data with estimated chloride concentrations and isocontours are also mapped for reference.
- Table A shows sample point coordinates
- Table B shows a summary of analytical
- Certificates of analysis are located in Appendix C

Horizontal delineation is demonstrated by sample points CS-01.3, CS-02, CS-03, CS-04, CS-12.1, CS-13.1.

Vertical delineation is demonstrated at CS-08, CS-09 and CS-14

Delineation sampling was limited in some areas due to tool refusal and will be fully evaluated at the time of remediation excavation.

Sample point CS-05 was within the mapped release extent but met closure criteria. This may indicate that initial surface scraping removed impacted soil in that area.

Sample point CS-01.1 also meets closure criteria which suggests that Areas of Interest 2 and 4 are unrelated to Incident ID nAPP2304441722.

2 Sample Grid Variance Request

Contango respectfully asks NMOCD for variance approval for a 300 sq ft sampling grid for both base and wall confirmation samples. Plates 11 shows the proposed sample grid with associated square footage.

The requested sample grid size will provide equal protection of fresh water, public health, and the environment according to the "10% Condition"[2] that states sample sizes should be no more than 10% of the population (release area) as long as it does not exceed 1,000[3] samples. Applying the 10% Condition, a sample grid size of 300 sq ft meets this condition.

Population (sq ft area)	Sample Size (grid sq. ft.)	No. of Sample Grids	% of Population (sq. ft. area)	Representative of Population	Meets 10% Condition
24,300	200	122	0.8%	99.2%	Yes
24,300	300	81	1.2%	98.8%	Yes
24,300	400	61	1.6%	98.4%	Yes
24,300	500	49	2.1%	97.9%	Yes
24,300	1,000	24	4.1%	95.9%	Yes
24,300	1,500	16	6.2%	93.8%	Yes
24,300	10,000	2	41.2%	58.8%	No

The proposed 300 sq. ft. sampling grid statistically provides equal significance of laboratory results as a 200 sq. ft. sampling grid for the constituents listed in Table 1 of 19.15.29 NMAC, where

- The 10% Condition is met.
- The proposed sample grid size represents 98.8% of the population (release area).

3 Remediation & Restoration Workplan

Remediation activities will commence within 45 days of workplan approval and be completed with final sampling within 90 days of workplan approval.

- Proposed sample grids are mapped on Plate 11.
- Proposed sample points area mapped on Plate 12.

Contango proposes to remediate the release extent, legacy reserve pit and the comingled AOI 1 (G-01- G-78), until all base and wall samples meet closure criteria per Table 1 19.15.29 NMAC where DTW is 70 ft bgs, as noted above. Based on characterization/delineation sampling, we anticipate excavating G-01 through G-78 to a depth of approximately 4 to 6 feet.

[2] https://web.ma.utexas.edu/users/mks/M358KInstr/TenPctCond.pdf

[3] https://tools4dev.org/resources/how-to-choose-a-sample-size/

Based on findings that CS-05 meets closure criteria, the southern portion of the release will be remediated according to base and wall sample findings from G-04 through G-08. Much of the impacted material in this area may have been remediated during the surface scraping as a part of the initial response. Excavation will extend to the south (with addition sample grids not to exceed 300 sq ft) until all walls and bases meet closure criteria.

AOI – 2 excavation will begin with sample grid G-81 and will continue until soil samples meet closure criteria in all 4 cardinal directions. Sample grids will not exceed 300 sq ft. Anticipate a depth to 2.5 ft.

AOI – 3 excavation will begin with sample grid G-80 and will continue until soil samples meet closure criteria in all 4 cardinal directions. Sample grids will not exceed 300 sq ft. Anticipate a depth to 2.5 ft.

AOI – 4 excavation will begin with sample grid G-79 and will continue until soil samples meet closure criteria in all 4 cardinal directions. Sample grids will not exceed 300 sq ft. Anticipate a depth to 4.25 ft.

Excavation will extend beyond the proposed sample grids if laboratory analysis identifies soil concentrations above Closure Criteria. Additional grids will not exceed 300 sq ft. All confirmation samples will be sent to a certified laboratory for analysis for all constituents of concern listed on Table 1 19.15.29 NMAC.

An area of approximately 24,300 sq ft will be remediated. Approximately, 4,220 cubic yards of material will be excavated and hauled off-site to an approved disposal facility. The excavation extent will be backfilled with at least 4 ft of clean earthen material, including at least 1 ft of suitable topsoil (2 ft if recycling of clean material is approved for use as backfill).

Contango requests approval for recycling of clean surface caliche from the pad and/or lease road for the base layer of backfill (also requesting approval from SLO). Proposed use of surface caliche as “clean” fill will meet the 20.9.2 NMAC (Solid Waste Management General Requirements), for “recycling” of clean material.

As noted in the site characterization section on soil characteristics, the native soils have a layer of topsoil of 1-1.5 ft depth covering a densely cemented caliche material, thus supporting use of clean caliche as backfill to match existing lithology. Recycling of clean material is beneficial by reducing emissions due to transport of materials, conserving space in landfills and conserving clean backfill resources per 20.9.2 NMAC.

Contango proposes that after all impacted materials have been removed from the location, the surface caliche will be scraped and stockpiled. The stockpile soil will be then sampled for chloride, TPH, BTEX and benzene using a 5 point composite sample technique, one sample per each 100 cubic yards. Only soil that meets the most stringent closure criteria as listed on Table 1 19.15.29 NMAC will be used as backfill. Material that does not meet criteria will be hauled offsite for disposal at an approved facility. If the use of onsite clean backfill is approved, backfill will occur to allow for a depth of 2 ft (per 20.9.2 NMAC) of imported topsoil above surface caliche deposit.

The location will be restored, reclaimed and revegetated per 19.15.29.13.A-D NMAC. Per 19.15.29.13.E, reclamation, restoration and revegetation will also comply with State Land Office regulations. Please refer to the reclamation plan prepared for SLO (pending approval) in Appendix D.

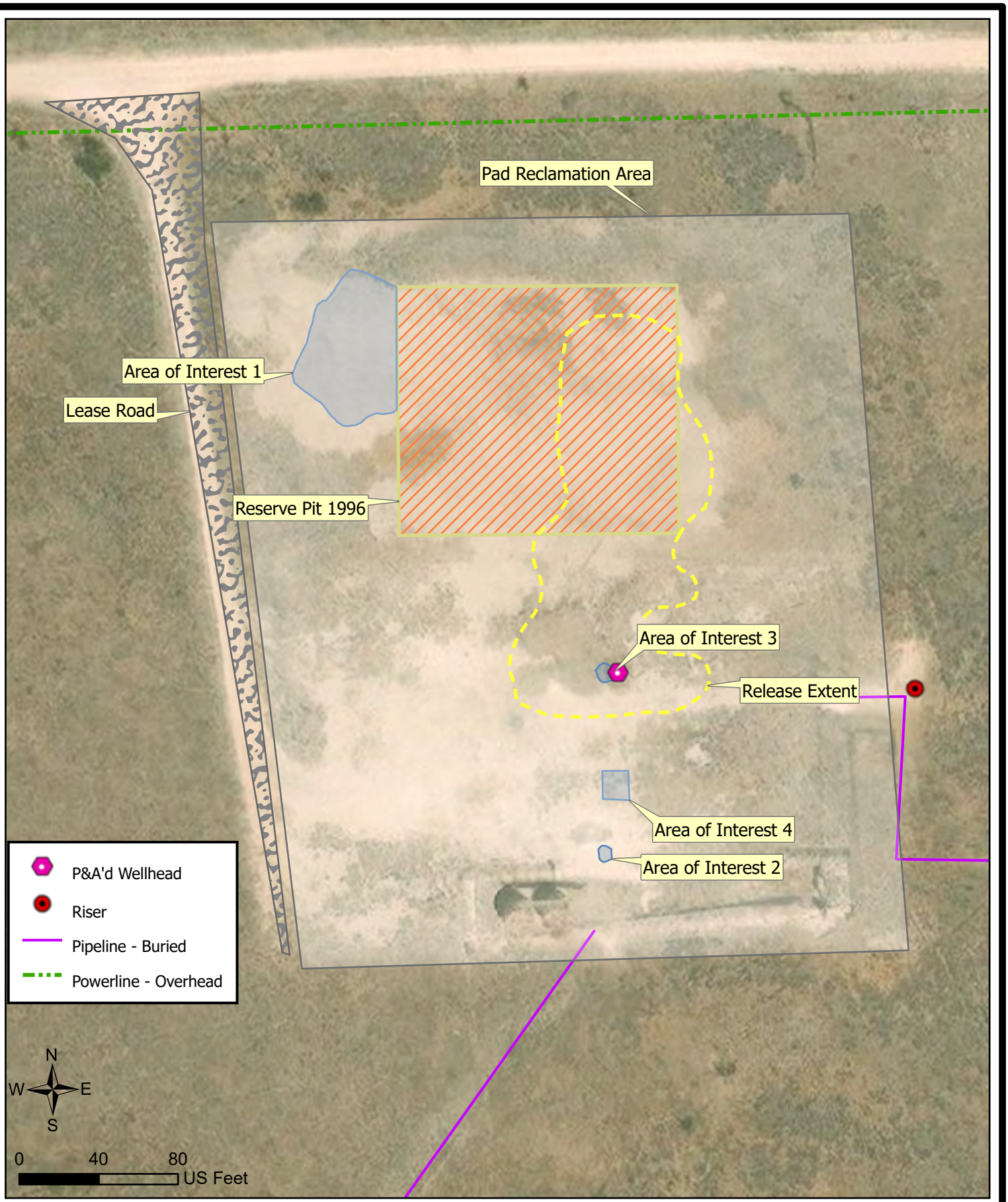
Please contact me with any questions at 970-570-9535.

Sincerely,
Andrew Parker

McNabb Partners LLC
Environmental Project Manager

Copy: New Mexico State Land Office
Contango Resources

Exhibits



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Site Map Reclamation Plan	Exhibit A
	Roberts AGX State 1 Prj. ID: 20230713-1151-robertAGX1	07/03/2024


2
8
6
4
4
10
16
14
8
12
6
4
2
4
4
2
Release Extent
Legacy Reserve Pit
Areas of Interest
P&A'd Wellhead
Effective Electrical Conductivity (ECe)
0 - 1.3 ft
(dS/m)
>16 (stongly saline)
8 - 16 (moderately saline)
4 - 8 (slightly saline)
2 - 4 (very slighlty saline)
<2 (non saline)
ECeh Isocontour
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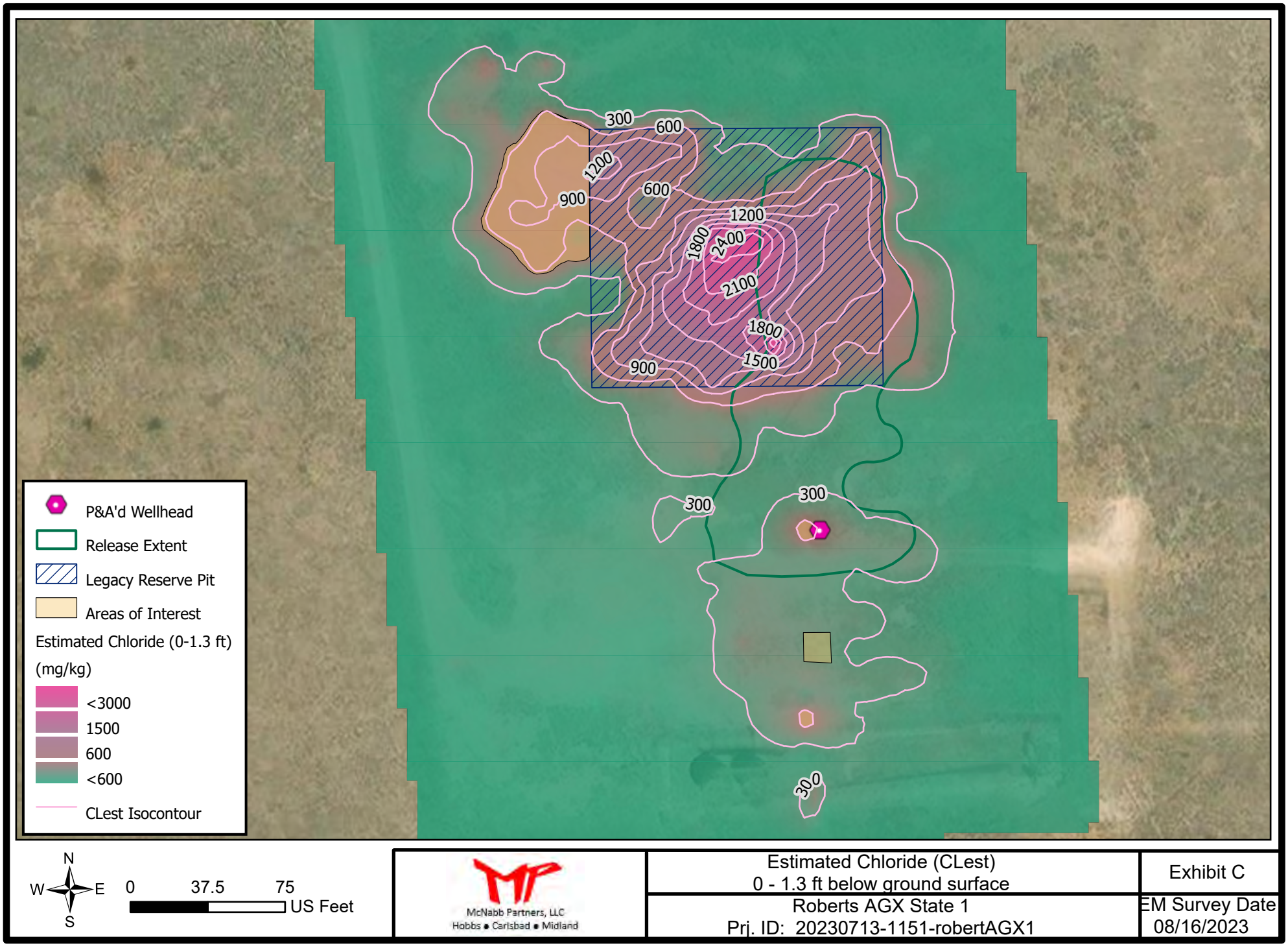
US Feet
McNabb Partners, LLC
Hobbs • Carlsbad • Midland
Effective Electrical Conductivity (ECe)
0 - 1.3 ft below ground surface
Exhibit B
Robert AGX State 1
Prj. ID: 20230713-1151-robertAGX1
EM Survey Date
08/16/2023


300
600
1200
900
600
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1800
2400
2100
1800
1500
900
300
300
300
P&A'd Wellhead
Release Extent
Legacy Reserve Pit
Areas of Interest
Estimated Chloride (0-1.3 ft)
(mg/kg)
<3000
1500
600
<600
CLest Isocontour
N
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37.5
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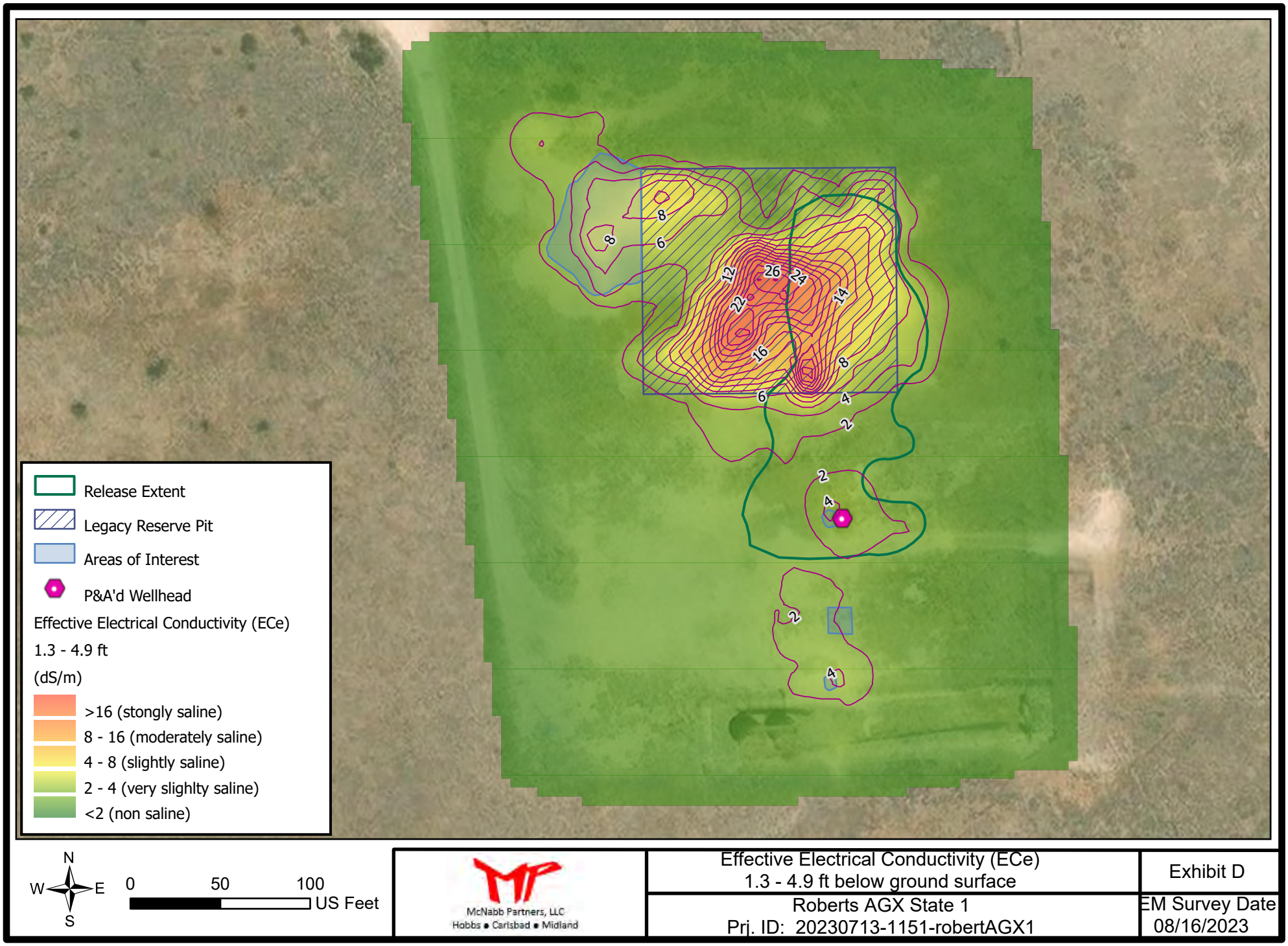
US Feet
McNabb Partners, LLC
Hobbs ● Carlsbad ● Midland
Estimated Chloride (CLest)
0 - 1.3 ft below ground surface
Roberts AGX State 1
Prj. ID: 20230713-1151-robertAGX1
Exhibit C
EM Survey Date
08/16/2023


Release Extent
Legacy Reserve Pit
Areas of Interest
P&A'd Wellhead
Effective Electrical Conductivity (ECe)
1.3 - 4.9 ft
(dS/m)
>16 (stongly saline)
8 - 16 (moderately saline)
4 - 8 (slightly saline)
2 - 4 (very slighlty saline)
<2 (non saline)
8
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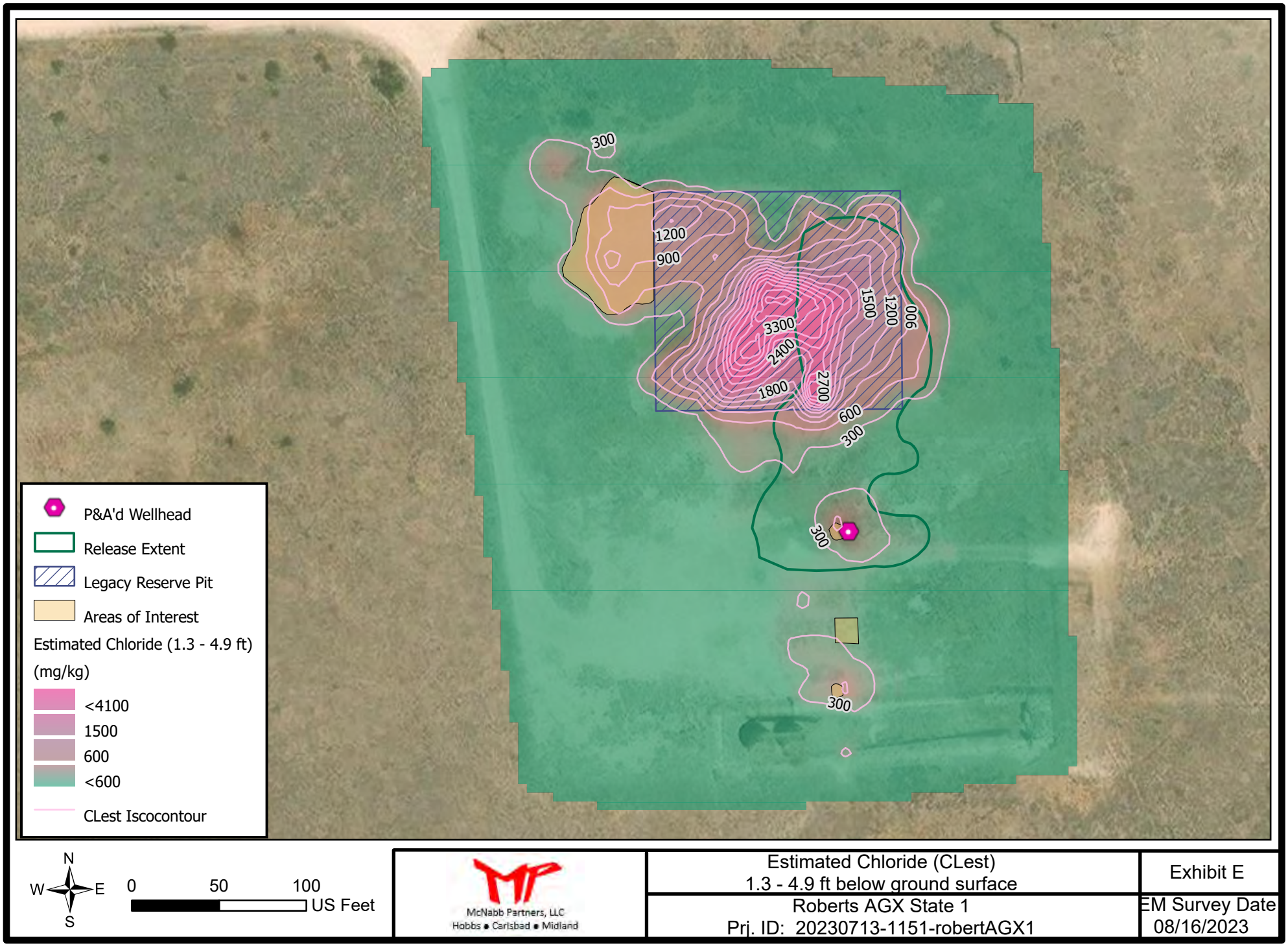
50
100
US Feet
McNabb Partners, LLC
Hobbs ● Carlsbad ● Midland
Effective Electrical Conductivity (ECe)
1.3 - 4.9 ft below ground surface
Exhibit D
Roberts AGX State 1
Prj. ID: 20230713-1151-robertAGX1
EM Survey Date
08/16/2023


300
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900
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3300
2400
2700
1800
600
300
300
300
P&A'd Wellhead
Release Extent
Legacy Reserve Pit
Areas of Interest
Estimated Chloride (1.3 - 4.9 ft)
(mg/kg)
<4100
1500
600
<600
CLest Iscocontour
N
W
E
S
0
50
100
US Feet
McNabb Partners, LLC
Hobbs ● Carlsbad ● Midland
Estimated Chloride (CLest)
1.3 - 4.9 ft below ground surface
Roberts AGX State 1
Prj. ID: 20230713-1151-robertAGX1
Exhibit E
EM Survey Date
08/16/2023

Appendix A

EM Survey Orientation

Electromagnetic Induction Survey Orientation

Electromagnetic Induction Surveys (EM Surveys) are commonly used to measure apparent electrical conductivity (ECa, "soil salinity") in soils without intrusive sampling. Employing a Geonics EM38-MK2 (Exhibit 1), field personnel can effectively delineate the horizontal extent of saline soils by measuring ECa and monitoring for ECa changes between background and higher EC readings.

Exhibit 1: Measuring ECa with the EM38 in the horizontal dipole position.

The EM Survey is conducted in the horizontal (h) and vertical (v) dipole modes at 0.5 and 1.0-meter coil separations. The EM38 can effectively measure salinity to a depth of 1-meter (4.9-feet). Sensitivity to surface material is presented in Table 1 and Figures 1a & 1b. Each coil separation and dipole mode listed in Table 1 is recorded by the EM38; allowing for the evaluation of salinity relative to depth over the four (4) depth ranges. The EM38 can record up to 5 measurements per second.

Coil Separation	Dipole Mode	Greatest Sensitivity	Relative Range	
meters		meters (feet)	Depth (meters)	Depth (feet)
0.5				
	Horizontal	0	0 - 0.4	0 - 1.3
	Vertical	0.2 (0.66)	0.2 - 0.8	0.7 - 2.5
1				
	Horizontal	0	0 - 0.8	0 - 2.5
	Vertical	0.4 (1.31)	0.4 - 1.5	1.3 - 4.9

Table 1: EM38-MK2 Sensitivity Ranges

Electromagnetic Induction Survey Orientation

The difference in sensitivity ranges in the two coil configurations and dipole modes is important; the horizontal dipole mode will be relatively sensitive to variations near surface whereas the vertical dipole mode will be insensitive near the surface and sensitive at greater depths. This difference in sensitivity allows for a quick method for determining whether the near surface soil is more conductive (higher salinity) than soils at depth, where

> *if a higher EC_a reading is obtained in the horizontal position than the vertical position, chloride has likely impacted the upper surface more than soils at lower depths. If a higher EC_a reading is obtained in the vertical position than the horizontal position, chloride has likely impacted soils at lower depths than the upper surface soils.*

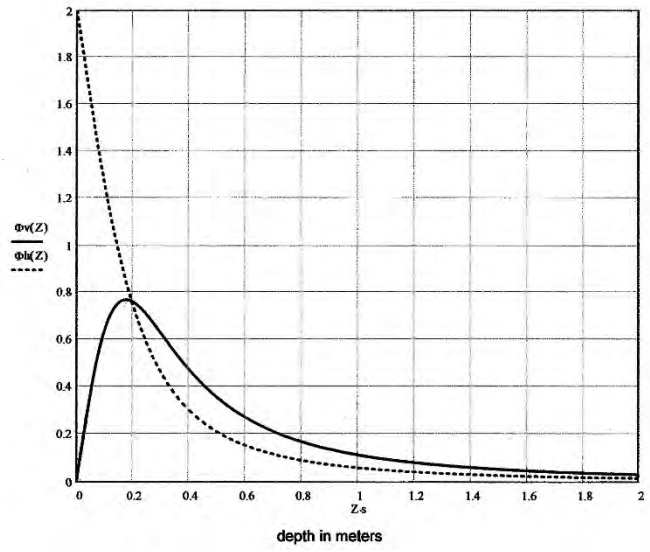


Figure 1a: 0.5-meter coil separation. Relative sensitivity with depth. Dashed line horizontal dipole mode. Solid line vertical dipole mode.

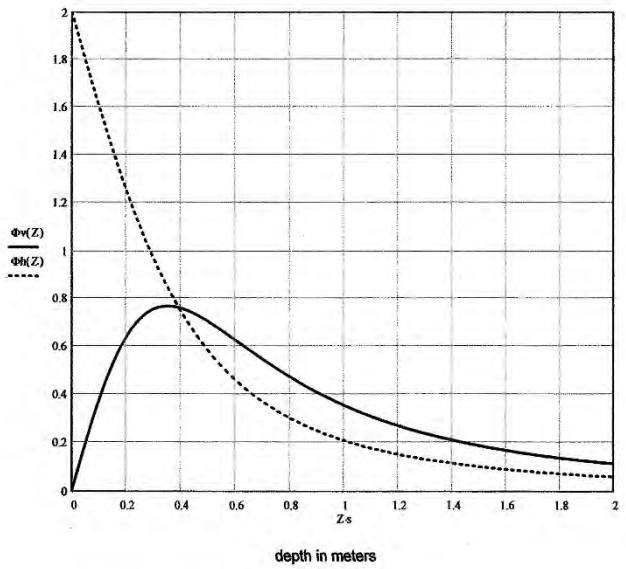


Figure 1b: 1.0-meter coil separation. Relative sensitivity with depth. Dashed line horizontal dipole mode. Solid line vertical dipole mode.

It is important to note that the EM38 is very susceptible to metal and electrical interferences. A metal object small as a steel nail can cause the apparent electrical conductivity to read high or go negative. EM Surveys near pipelines, wellheads, tank batteries, and powerlines must account for these interferences. The EM38 records both metal susceptibility and ECa during each measurement.

Andrew Parker (08/31/2023)

Electromagnetic Induction Survey Orientation

ECa concentrations measured by the Geonics EM38-MK2 instrument can be converted into effective electrical conductivity (ECe) concentrations using the generalized equation ECe=5ECa[1,2]. ECe is commonly used to determine the soil salinity class to evaluate plant productivity. Soil ECe can also be analyzed in a laboratory setting.

The Natural Resources Conservation Service (NRCS) publishes salinity classes (Table 2) to determine the salinity of soils based on ECe concentrations. The New Mexico State Land Office *Revegetation Guidelines Handbook for Southeastern NM, Soil Suitability Criteria* adopted the NRCS salinity class that establishes an ECe < 4 dS/m as suitable soils for surface reclamations.

NRCS Field Guide	
Salinity Class	ECe (dS/m)
Nonsaline	<2
Very Slightly Saline	2 - 4
Slightly Saline	4 - 8
Moderately Saline	8 - 16
Strongly Saline	>16

Table 2: Salinity Classes as defined by Natural Resources Conservation Service (NRCS)

Furthermore, ECe can be estimated by using a set of conversion factors[3] based on common soil types, where

Eq 1. $ECe = EC_{1:5} \times CF$

$EC_{1:5}$ = 20ml soil:100ml deionized water then mix, let settle, and test[4].

Hazelton Guide[2]	CF
Sand	17
Sandy Loam	11
Loam	10
Clay Loam	9
Light Medium Clay	8
Medium Clay	7
Heavy Clay	6

Table 3: Conversion Factors (CF) to calculate between $EC_{1:5}$ and ECe.

[1] McNeill, J.D. 1986. Rapid Accurate Mapping of Soil Salinity by Electromagnetic Ground Conductivity Meters. Geonics Limited Technical Note TN-18, Geonics Ltd., Mississauga, ON.
[2] ECe is expressed in dS/m. ECa is expressed in mS/m. A conversion factor of 100 is applied to convert mS/m to dS/m. ECe = 5(ECa/100).
[3] Hazelton, P. A. and Murphy, B.W. ed. (1992) *What do all the numbers mean? A guide for the interpretation of Soil Test Results.* Department of Conservation and Land Management (incorporating the Soil Conservation Service of NSW), Sydney.
[4] $EC_{1:5}$ is measured with a Hanna DiST4 EC Tester. $EC_{1:5}$ is commonly used for salinity field screening.

Andrew Parker (08/31/2023)

Electromagnetic Induction Survey Orientation

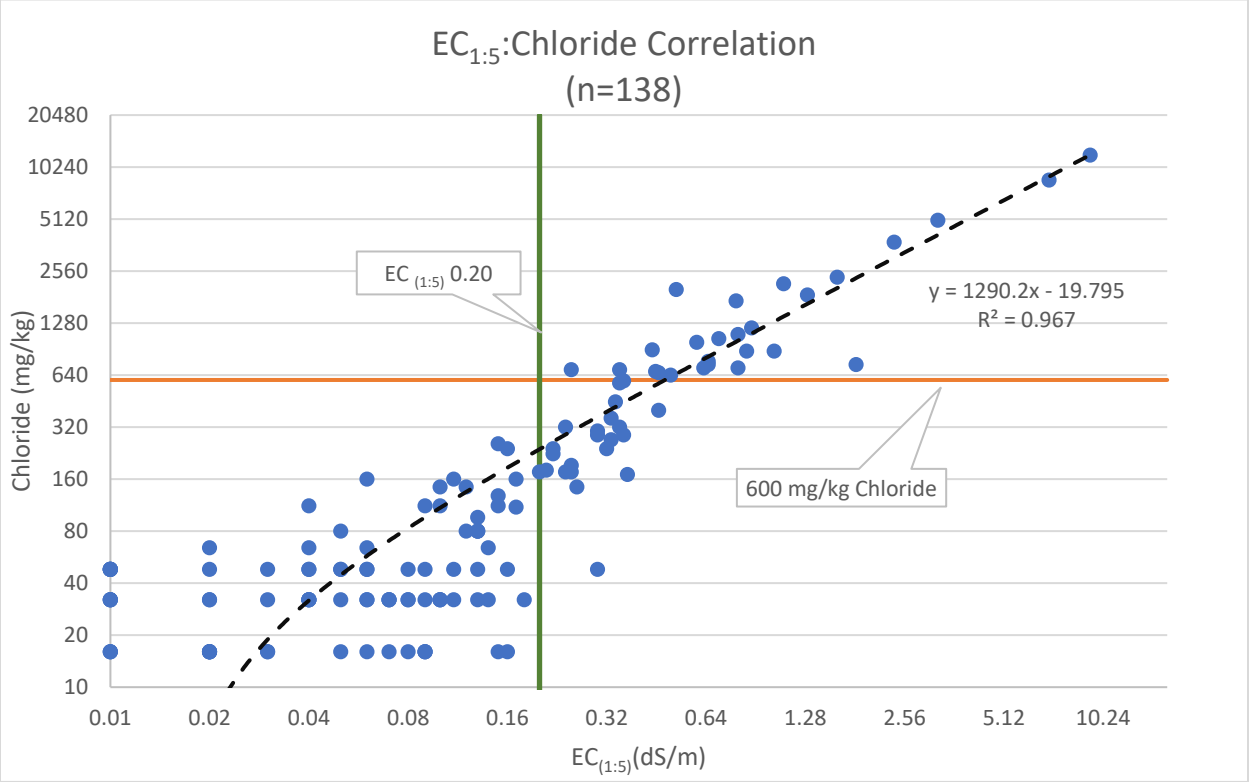
Chloride concentrations can be estimated from ECa by converting

ECa → ECe → $EC_{1:5}$ → Chloride

Converting $EC_{1:5}$ to Chloride uses regression analysis to calculate the y-intercept, where

Eq. 2: $y = 1290.2x - 19.795$

The below chart shows the correlation between $EC_{1:5}$ and laboratory analyzed chloride concentrations measured over 139 sample points (n=138). Analysis of data shows that $EC_{1:5}$ measurements greater than 0.20 dS/m (mS/cm) has potential to exhibit chloride concentrations greater than 600 mg/kg, which is NMOCD's Closure Criteria for remediation of spills in the upper 4-feet.



Equation 3 converts ECa to an estimated Chloride (Cl_{est}) concentration, where

Eq. 3: $Cl_{est} = (1290.2x) - 19.795$, where

$x = EC_{1:5} = \left(\frac{ECe}{CF}\right)$

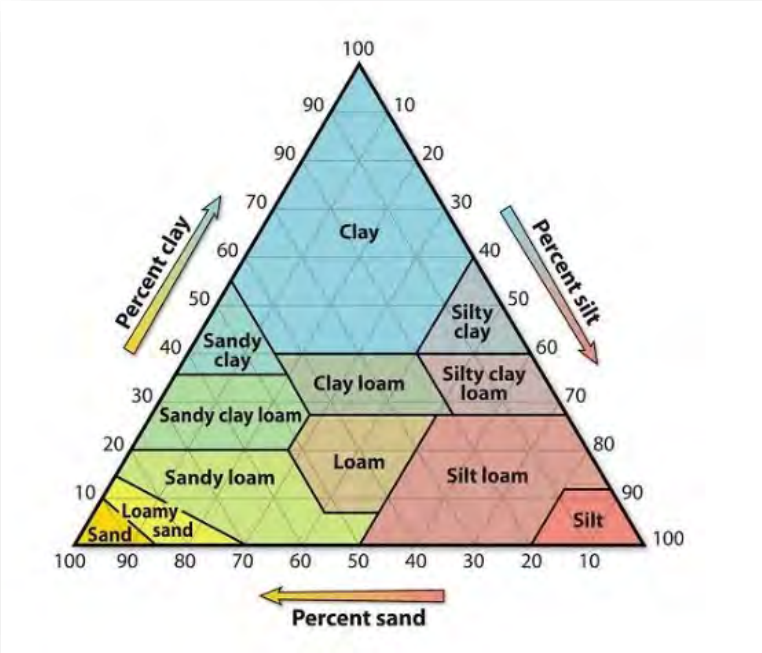
$ECe = 5\left(\frac{ECa}{100}\right)$

Andrew Parker (08/31/2023)

Electromagnetic Induction Survey Orientation

Applying Equation 3 to an ECa reading of 250 mS/m yields the following estimated chloride (Cl_{est}) concentrations.

To estimate chloride from EM38 ECa measurement					
ECa (mS/m)	ECe (dS/m)	Soil Type	CF	EC1:5 (dS/m)	Estimated Cl (mg/kg)
250	12.5	Sand	17	0.74	929
		Sandy Loam	11	1.14	1446
		Loam	10	1.25	1593
		Clay Loam	9	1.39	1772
		Light Medium Clay	8	1.56	1996
		Medium Clay	7	1.79	2284
		Heavy Clay	6	2.08	2668



Andrew Parker (08/31/2023)

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District II
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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 366722

QUESTIONS

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 366722
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2304441722**
Incident Name	**NAPP2304441722 ROBERTS AGX STATE 1 @ 30-025-33406**
Incident Type	**Blow Out**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-025-33406] ROBERT AGX STATE #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ROBERTS AGX STATE 1
Date Release Discovered	02/06/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Blow Out
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
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: Blow Out | Producing Well | Crude Oil | Released: 18 BBL | Recovered: 0 BBL | Lost: 18 BBL.
Produced Water Released (bbls) Details	Cause: Blow Out | Producing Well | Produced Water | Released: 15 BBL | Recovered: 0 BBL | Lost: 15 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	Cause: | | Other (Specify) | Released: 0 (Unknown Released Amount) | Recovered: 0 | Lost: 0 .
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Leak on surface casing valve blowing out gas and formation mud/fluid

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Phone:(505) 334-6178 Fax:(505) 334-6170
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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 (continued)

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 366722
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
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: Chris Davis Title: EHS Supervisor Email: chris.davis@contango.com Date: 12/27/2023

District I
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QUESTIONS (continued)

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 366722
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (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 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 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)	18400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	243
GRO+DRO (EPA SW-846 Method 8015M)	139
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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	09/15/2024
On what date will (or did) the final sampling or liner inspection occur	11/01/2024
On what date will (or was) the remediation complete(d)	11/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	117497
What is the estimated volume (in cubic yards) that will be reclaimed	4220
What is the estimated surface area (in square feet) that will be remediated	24300
What is the estimated volume (in cubic yards) that will be remediated	4220
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.	

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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
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QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	LEA LAND LANDFILL [fEEM0112342028]
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.*
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 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: andrew@mcnabbpartners.com Date: 07/24/2024
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.	

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QUESTIONS (continued)

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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

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**353410**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/18/2024**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**5000**

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	No

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CONDITIONS

Action 366722

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with conditions. Confirmation samples must be collected within all Areas of Interest at discrete depths (none of the 0-2' depth samples as were used during delineation). Lateral delineation samples must also be collected around southern half of “Release Extent” to ensure no contamination was left in place below the surface scrape. OCD notes that on pg. 9 of report, AOI-2 and AOI-4 seem to be switched or they are labeled incorrectly on Plate 1. AOI-2 location corresponds with sample point CS-16 which should be excavated to ~4.25 ft and AOI-4 matches up with sample point CS-01.2 which should be excavated to ~2.5 ft based on delineation results. OCD approves a variance to collect confirmation sidewall and base samples every 300 square feet. The reuse of surface caliche will be left up SLO. Submit remediation closure report to the OCD by 10/29/24.	7/31/2024