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

February 27, 2024

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

RE: Closure Report
Incident ID: NAB1822243840
Mobil 22 Federal North Pipeline
Project ID: 20180727-1300-mobil22fed

NMOCD:

McNabb Partners LLC submits this closure report on behalf of Stephens and Johnson Operating Company (SJOC). SJOC respectfully asks NMOCD for closure approval of Incident # NAB1822243840.

This Closure Report includes:

- Exhibit A - Site Map
- Exhibit B - Confirmation sample grid layout with square footage.
- Exhibit C - Confirmation sample locations.
- Table CR-1. Coordinates of the sample points.
- Table CR-2. Summary of analytical.
- Appendix A - Communications, including original C 141, approval of remediation plan and sampling notifications.
- Appendix B - Laboratory certificates of analysis.
- Appendix C - Digital Reporting Data, followed by release volume calculations at the time of initial reporting in 2018.

The site map is shown on Exhibit A, outlining the 2018 remediation extent, the 2024 remediation extent with the base grid locations, and proximity to utilities, pipelines, and the active well pad associated with the Mobil 22 Fed #1 well, and lease road.

Remediation activities began on January 12, 2024 with the excavation of base grid G-03 as described in remediation plan, approved by NMOCD on October 31, 2023. Based on field screening readings, excavation was extended to the south and west of the prior (2018)

remediation and release extent. The remediation extent was divided into sample grids of not more than 200 sq ft. Confirmation soil samples were collected from each grid base and around the perimeter of the release extent for laboratory analysis of chloride, TPH, Benzene, and BTEX. Sampling event notification was acknowledged by NMOCD on January 3, 2024.

Impacted areas were excavated until the walls and bases met closure criteria as defined below. Samples GS-04 E and GS-04.1 E (Exhibit C) are located on an active production site in-use for oil and gas operations and meet Closure Criteria per 19.15.29.12.C.(2) NMAC. Grid G-04 was extended east to contact the northwestern edge of the active production pad. Sample GS-04 E and GS-04.1 E is on the production pad where it is presumed to comingle with Incident ID NAPP2320031997, which is pending NMOCD remediation plan approval. All other confirmation sample points met the most stringent Closure Criteria.

Closure Criteria per Table 1 of 19.15.29 NMAC is summarized below, where depth to water is 67 feet:

DTW 51-100 ft	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
0 - 4 feet & "not in-use"	600	--	100	10	50
> 4 ft or "in-use"	10,000	1,000	2,500	10	50

Figures 1-3 document the excavation extent.

Figure 1: View of the western extent from the eastern edge of the excavation extent. Date: 2024-01-18 14:04:23. GPS: 32.021268, -103.964525

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Location: Mobil 22 Federal
Incident #: NAB1822243840

Figure 2: View of excavation extent, facing north from the southern portion of the excavation extent. Date: 2024-01-17 14:02:09. GPS: 32.021220, -103.964610

Figure 3: View of the eastern extent, from the southern extent facing north. Date: 2024-01-26 10:53:17. GPS: 32.021097, -103.964530

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During 2024 remediation activities approximately 185 cubic yards of excavated impacted material were hauled offsite to an approved facility for proper disposal. (Approximately 10 cu yrds of material reported to be removed in 2018.)

The remediated area was backfilled with clean non-waste containing material. The lease access road and active production pad was capped with caliche to restore the surface as in-use areas for oil and gas operations. The pipeline ROW was backfilled with caliche, capped with a minimum of 1-foot of topsoil, seeded, and contoured per 19.15.29.13 A-D NMAC. Figures 4 and 5 show restored areas.

The on-site area starting at the east wall of GS-04 and eastward will be remediated, restored, and reclaimed when the production pad is no longer in-use for oil and gas operations or during remedial activities for Incident # NAPP2320031997 per the approved remediation plan.

Figure 4: View of restored lease access road and pipeline ROW, facing south from the northern extent. Date Taken: 2024-02-09 10:51:31. GPS: 32.021358, -103.964669

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Figure 5: View of reclaimed pipeline ROW facing south from northern extent.
Date Taken: 2024-02-09 10:51:41. GPS: 32.021358, -103.964669

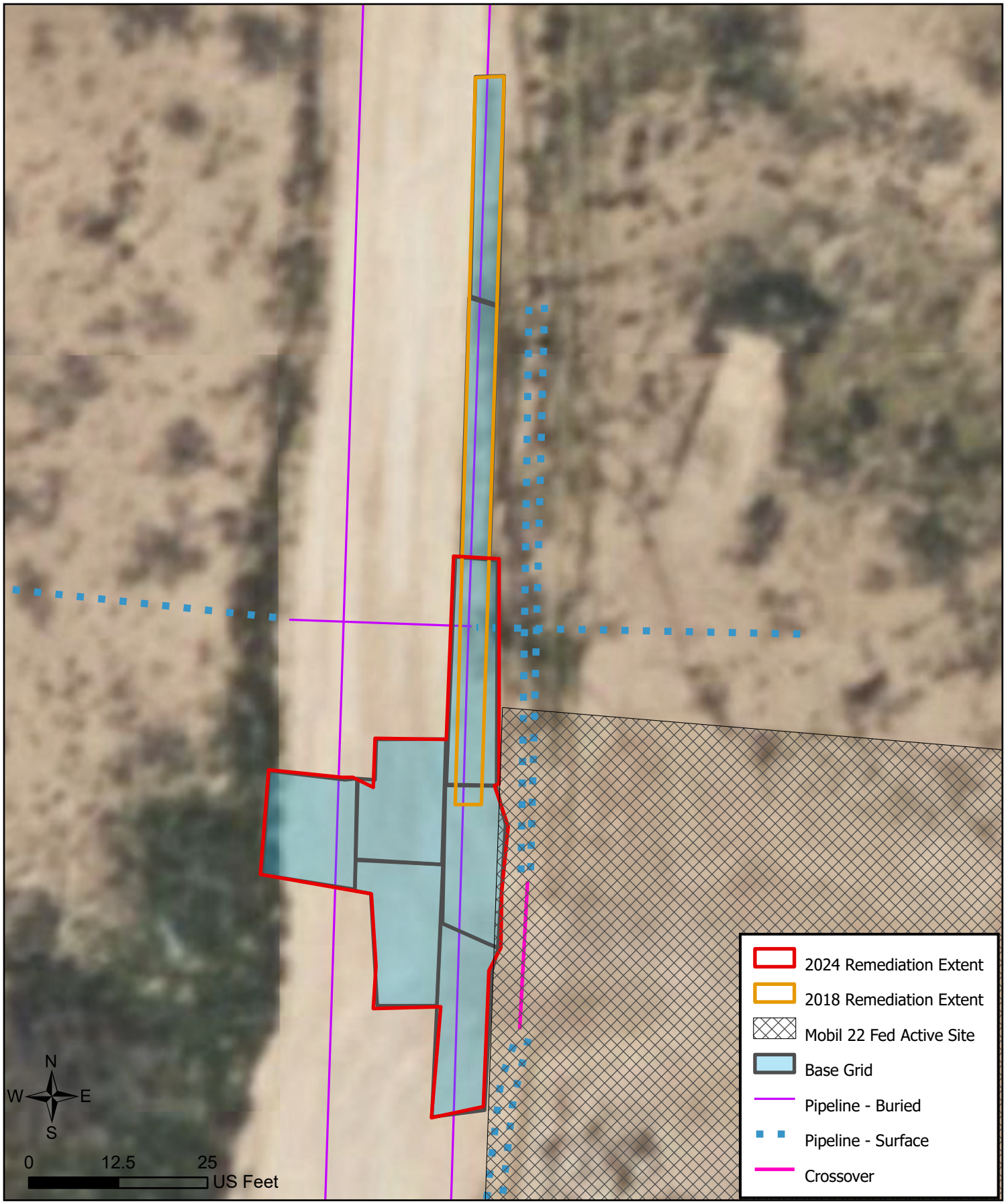
Please contact me with any questions.

Sincerely,

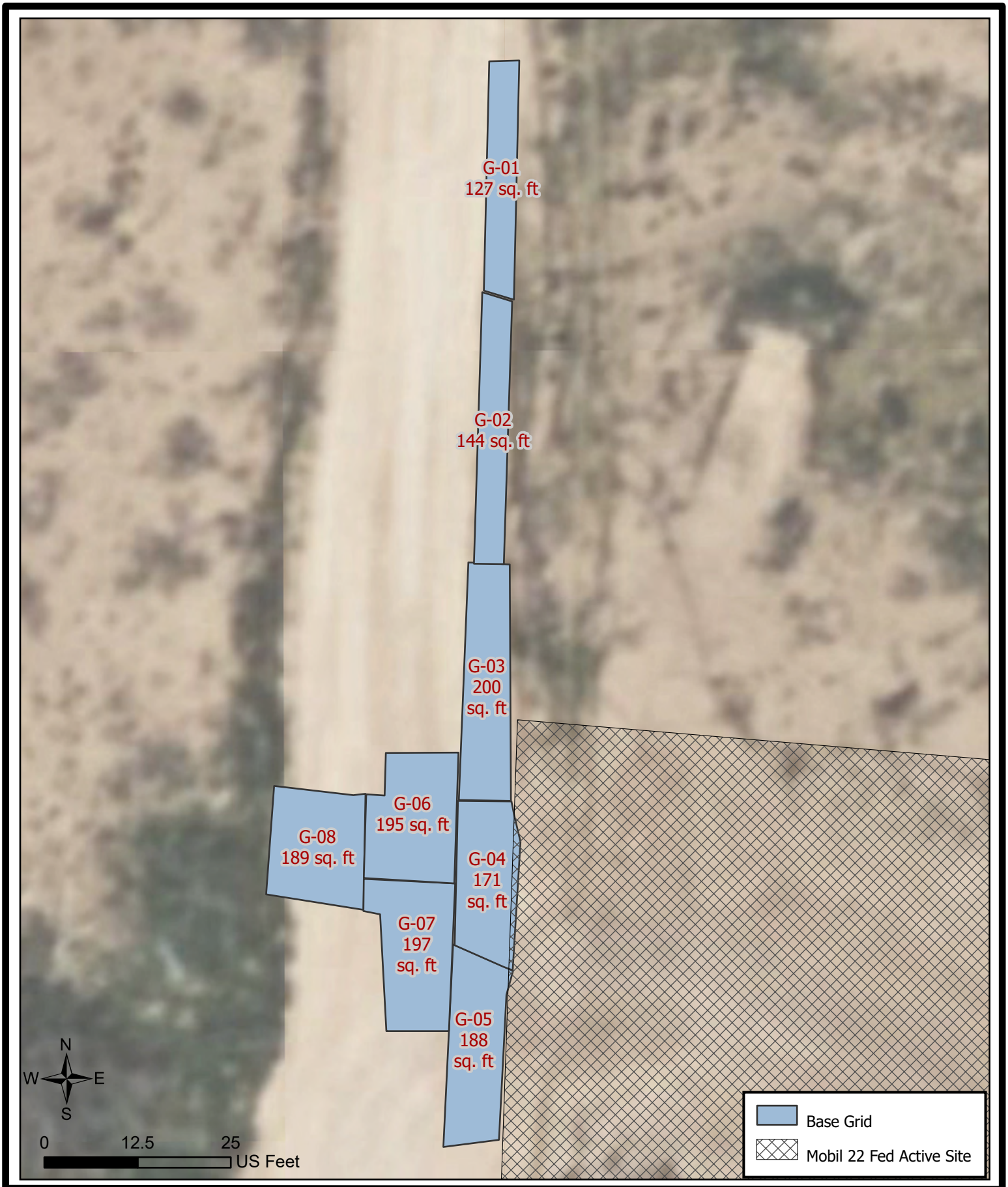
Andrew Parker
Environmental Manager
McNabb Partners
c: (970) 570-9535

Copy: Mike Kincaid; Stephen & Johnson Operating Company
Bureau of Land Management – Carlsbad Field Office.
Ross Ranch

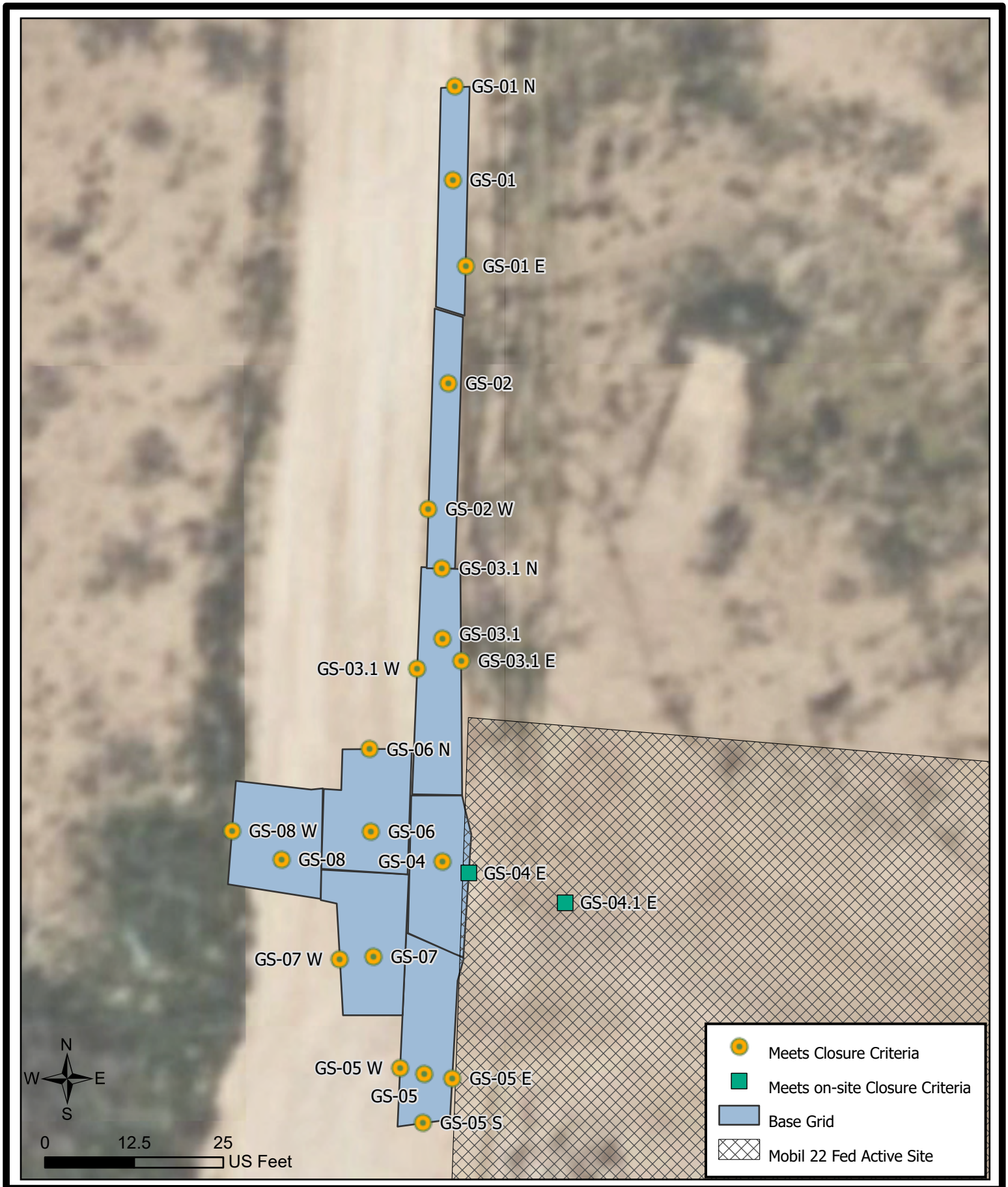
Exhibits



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Site Map SJOC: Mobil 22 Fed North Flowline	Exhibit A
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	02/13/2024



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Base Grid with Associated Square Footage SJOC: Mobil 22 Fed North Flowline	Exhibit B
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	02/01/2024



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Sample Point Locations SJOC: Mobil 22 Fed North Flowline	Exhibit C
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	02/01/2024

Tables

February 19, 2024

Table CR-1
Sample Point Coordinates

Incident ID: NAB1822243840
Mobil 22 Federal
Project ID: 20180727-1300-mobil22fed

Sample Point	Latitude	Longitude
GS-01	32.0215337	-103.9645490
GS-01 E	32.0214929	-103.9645310
GS-01 N	32.0215791	-103.9645464
GS-02	32.0214542	-103.9645493
GS-02 W	32.0213986	-103.9645671
GS-03	32.0213469	-103.9645546
GS-03 S	32.0212809	-103.9645573
GS-03.1	32.0213559	-103.9645547
GS-03.1 N	32.0213864	-103.9645528
GS-03.1 E	32.0213495	-103.9645411
GS-03.1 W	32.0213469	-103.9645733
GS-04	32.0212694	-103.9645533
GS-04 E	32.0212656	-103.9645405
GS-04.1 E	32.0212534	-103.9644986
GS-05	32.0211874	-103.9645625
GS-05 S	32.0211607	-103.9645635
GS-05 E	32.0211847	-103.9645457
GS-05 W	32.0211912	-103.9645810
GS-06	32.0211912	-103.9645868
GS-06 N	32.0213173	-103.9645889
GS-07	32.0212322	-103.9645861
GS-07 W	32.0212357	-103.9646047
GS-08	32.0212704	-103.9646284
GS-08 W	32.0212821	-103.9646548

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CR-2
Summary of Analytical

Incident ID: NAB1822243840
Mobil 22 Federal
Project ID: 20180727-1300-mobil22fed

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						10000	1000	2500	10	50			
GS-01	9/26/2023	1.75			off-site	149	ND	ND	ND	ND		Envirotech	E309234
GS-01 E	9/26/2023		0	2	off-site	ND	ND	ND	ND	ND		Envirotech	E309234
GS-01 N	9/26/2023		0	2	off-site	105	<20	ND	ND	ND		Envirotech	E309234
GS-02	9/26/2023	1.5			off-site	34.5		ND	ND	ND		Envirotech	E309234
GS-02 W	9/26/2023		0	2	off-site	55.8	ND	ND	ND	ND		Envirotech	E309234
GS-03 S	9/26/2023		0	1.75	off-site	563	ND	ND	ND	ND	Removed	Envirotech	E309234
GS-03	9/26/2023	2			off-site	675	ND	ND	ND	ND	Removed	Envirotech	E309234
GS-03.1	1/11/2024	3			off-site	192	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 N	1/11/2024		0	1	off-site	32	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 N	1/11/2024		1	2	off-site	64	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 N	1/11/2024	3			off-site	192	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 E	1/11/2024		0	1	off-site	96	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 E	1/11/2024		1	2	off-site	288	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 E	1/11/2024	3			off-site	192	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 W	1/11/2024		0	1	off-site	96	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 W	1/11/2024		1	2	off-site	224	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-03.1 W	1/11/2024	3			off-site	112	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-04	1/23/2024	4.1			off-site	560	<20	<30	<0.05	<0.3		Cardinal	H240313
GS-04 E	1/23/2024		0	2	on-site	1390	<20	<30	<0.05	<0.3		Cardinal	H240313
GS-04 E	1/23/2024		2	4	on-site	1260	<20	<30	<0.05	<0.3		Cardinal	H240313
GS-04 E	1/23/2024	4.1			on-site	480	<20	<30	<0.05	<0.3		Cardinal	H240313
GS-04.1 E	1/23/2024		0	2	on-site	1520	<32.1	<42.1	<0.05	<0.3		Cardinal	H240313
GS-04.1 E	1/23/2024		2	4	on-site	880	<20	<30	<0.05	<0.3		Cardinal	H240313
GS-04.1 E	1/23/2024	4.1			on-site	240	<20	<30	<0.05	<0.3		Cardinal	H240313
GS-05	1/12/2024	3			off-site	80	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 S	1/12/2024		0	1	off-site	32	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 S	1/12/2024		1	2	off-site	64	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 S	1/12/2024	3			off-site	160	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 E	1/12/2024		0	1	off-site	32	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 E	1/12/2024		1	2	off-site	32	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 E	1/12/2024	3			off-site	48	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 W	1/12/2024		0	1	off-site	48	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 W	1/12/2024		1	2	off-site	112	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-05 W	1/12/2024	3			off-site	160	<20	<30	<0.05	<0.3		Cardinal	H240153
GS-06	1/22/2024	4			off-site	432	<20	<30	<0.05	<0.3		Cardinal	H240276
GS-06 N	1/22/2024		0	2	off-site	112	<20	<30	<0.05	<0.3		Cardinal	H240276
GS-06 N	1/22/2024		2	4	off-site	160	<20	<30	<0.05	<0.3		Cardinal	H240276

February 19, 2024

CR-2
Summary of Analytical

Incident ID: NAB1822243840
Mobil 22 Federal
Project ID: 20180727-1300-mobil22fed

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						10000	1000	2500	10	50			
GS-07	1/22/2024	4			off-site	640	<20	<30	<0.05	<0.3	Removed	Cardinal	H240276
GS-07	1/26/2024	4.2			off-site	32	<20	<30	<0.05	<0.3		Cardinal	H240375
GS-07 W	1/22/2024		0	2	off-site	96	<20	<30	<0.05	<0.3		Cardinal	H240276
GS-07 W	1/22/2024		2	4	off-site	112	<20	<30	<0.05	<0.3		Cardinal	H240276
GS-07 W	1/26/2024	4.2			off-site	160	<20	<30	<0.05	<0.3		Cardinal	H240376
GS-08	1/22/2024	1			off-site	128	<93.5	<139.5	<0.05	<0.3	Removed	Cardinal	H240276
GS-08	1/26/2024	1.5			off-site	128	<20	<30	<0.05	<0.3		Cardinal	H240375
GS-08 W	1/22/2024		0	1	off-site	80	<20	<30	<0.05	<0.3		Cardinal	H240276
GS-08 W	1/26/2024	1.5			off-site	16	<20	<30	<0.05	<0.3		Cardinal	H240376
Caliche Backfill	1/12/2024					32	<20	<30	<0.05	<0.3		Cardinal	H240152
Topsoil Backfill	1/12/2024					<16	<20	<30	<0.05	<0.3		Cardinal	H240152
ND = not detected													

Appendix A

Communications

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1822243840 19958 RECEIVED

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Stephens & Johnson Operating Co.	Contact Mike Kincaid
Address P O Box 2249, Wichita Falls, TX 76307	Telephone No. 940-716-5333
Facility Name Mobil "22" Federal Lease	Facility Type Oil Well Flowline

Surface Owner Ross Ranch	Mineral Owner BLM – Minerals Management	API No. 30-015-24955

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	22	26S	29E	500	South	470	East	Eddy

Latitude 32.0215687 **Longitude** -103.9645668 NAD83

NATURE OF RELEASE

Type of Release Oil and Salt Water	Volume of Release 2 bbls oil, 2 bbls salt water	Volume Recovered None
Source of Release Oil Well Flowline	Date and Hour of Occurrence 7/27/18	Date and Hour of Discovery 7/27/18
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Shelly Tucker	
By Whom? Travis Herron - Pumper	Date and Hour 7/27/18	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

Describe Cause of Problem and Remedial Action Taken.*

Flowline leak. Oil well shut down until flowline can be repaired.

AUG 06 2018

DISTRICT II-ARTESIA O.C.D.

Describe Area Affected and Cleanup Action Taken.*

The area affected is a lease road. The size of the affected area is approximately 3 feet wide and 100 feet long. Contaminated dirt has been removed.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: William M. Kincaid	OIL CONSERVATION DIVISION
Printed Name: William M. Kincaid	Approved by Environmental Specialist:
Title: Petroleum Engineer	Approval Date: 8/8/18 Expiration Date: N/A
E-mail Address: mkincaid@sjoc.net	Conditions of Approval: See attached Attached ☒ AP-4905
Date: 7/31/18 Phone: 940-716-5333	

* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on ___08/06/18_____ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4905 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _2__ office in Artesia_ on or before _09/06/18_____. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Andrew Parker

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Tuesday, September 19, 2023 11:30 AM
To: Andrew Parker; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Cc: Mike Kincaid; Andrew Cloutier; dwmeyer@verizon.net; Morgan, Crisha A; Zac McNabb
Subject: RE: [EXTERNAL] NAB1822243840 48-hr Confirmation Sampling Notice MOBIL "22" FEDERAL LEASE

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: Tuesday, September 19, 2023 10:11 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Mike Kincaid <MKincaid@sjoc.net>; Andrew Cloutier <ACloutier@hinklelawfirm.com>; dwmeyer@verizon.net; Morgan, Crisha A <camorgan@blm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Zac McNabb <Zac@mcnabbpartners.com>
Subject: [EXTERNAL] NAB1822243840 48-hr Confirmation Sampling Notice MOBIL "22" FEDERAL LEASE

Mr. Bratcher:

Incident Number NAB1822243840 is located along the pipeline/lease road north-northwest of the Mobile 22 Fed production site and former tank battery. Therefore, a remediation & closure report will be submitted separately from the remaining incidents referenced below.

As stated on the C-141 dated 07/31/2018, the release was remediated by the time of C-141 submission. No confirmation samples were collected. Please accept this email as the 48-hour confirmation sampling notice. The remediation extent will be sampled per 19.15.29 NMAC where each sample location shall not exceed 200 sq. ft. If confirmation sample results exhibit concentrations above Closure Criteria a remediation plan will be submitted to NMOCD for approval.

Soil sampling is anticipated to commence on Tuesday September 26th.

Incidents on active production site that will be addressed under separate cover:
nAPP2320031997
NAB1819054040 (2RP-4839)
NAB1822240516 (2RP-4909)
NMCS0331657138

Reproduced from email

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Thursday, June 15, 2023 11:07 AM

…
OCD notes the following open "Incidents" (unauthorized produced fluid releases) associated with this production site:

NMCS0331657138 *(Dated 07/16/2004)*
NAB1819054040 *(Date of discovery listed as 06/24/2018)*
NAB1822243840 *(Date of discovery listed as 07/27/2018)*
NAB1822240516 *(Date of discovery listed as 07/26/2018)*

These open incidents are to be addressed by SJOC during this investigation/remediation process.
…

Please contact me if you have any questions.

Regards,

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

Andrew Parker

From: Devire Crabb <DCrabb@sjoc.net>
Sent: Tuesday, October 31, 2023 9:48 AM
To: Andrew Parker; Mike Kincaid
Subject: FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 280817

Importance: High

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, October 31, 2023 10:33 AM
To: Devire Crabb <DCrabb@sjoc.net>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 280817

To whom it may concern (c/o Devire Crabb for STEPHENS & JOHNSON OP CO),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1822243840,
with the following conditions:

- **Remediation plan approved. Submit a report via the OCD permitting portal by March 4, 2024.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Ashley Maxwell
Projects Environmental Specialist - A
505-635-5000
Ashley.Maxwell@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Devire Crabb
To: Andrew Parker; Mike Kincaid
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 299450
Date: Wednesday, January 3, 2024 10:49:50 AM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, January 3, 2024 11:47 AM
To: Devire Crabb <DCrabb@sjoc.net>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 299450

To whom it may concern (c/o Devire Crabb for STEPHENS & JOHNSON OP CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAB1822243840.

The sampling event is expected to take place:

When: 01/08/2024 @ 10:30
Where: P-22-26S-29E 330 FSL 330 FEL (32.0208473,-103.96418)

Additional Information: Andrew Parker: 970-570-9535

Additional Instructions: NA

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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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 318923

QUESTIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318923
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1822243840**
Incident Name	**NAB1822243840 MOBIL "22" FEDERAL LEASE @ 30-015-24955**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-24955] MOBIL 22 FEDERAL #001**

Location of Release Source	
Site Name	**MOBIL "22" FEDERAL LEASE**
Date Release Discovered	**07/27/2018**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,170
What is the estimated number of samples that will be gathered	22
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/12/2024
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Andrew Parker 970-570-9535
Please provide any information necessary for navigation to sampling site	Sampling was delayed from initial date 01/08/2024 due to weather conditions and resource availability.

District I
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State of New Mexico
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Santa Fe, NM 87505

CONDITIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318923
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparkermp	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/29/2024

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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS

Action 318930

QUESTIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318930
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1822243840**
Incident Name	**NAB1822243840 MOBIL "22" FEDERAL LEASE @ 30-015-24955**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-24955] MOBIL 22 FEDERAL #001**

Location of Release Source	
Site Name	**MOBIL "22" FEDERAL LEASE**
Date Release Discovered	**07/27/2018**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,170
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/22/2024
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Andrew Parker 970-570-9535
Please provide any information necessary for navigation to sampling site	Additional sampling required to confirm clean walls and bases with extended excavation.

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

CONDITIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318935
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparkermp	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/29/2024

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State of New Mexico
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QUESTIONS

Action 318935

QUESTIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318935
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1822243840**
Incident Name	**NAB1822243840 MOBIL "22" FEDERAL LEASE @ 30-015-24955**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-24955] MOBIL 22 FEDERAL #001**

Location of Release Source	
Site Name	**MOBIL "22" FEDERAL LEASE**
Date Release Discovered	**07/27/2018**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,170
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/23/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Andrew Parker 970-570-9535
Please provide any information necessary for navigation to sampling site	Additional sampling required to delineate walls and bases with extended excavation.

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CONDITIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318930
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparkermp	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/29/2024

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State of New Mexico
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Santa Fe, NM 87505

QUESTIONS

Action 318937

QUESTIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318937
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1822243840**
Incident Name	**NAB1822243840 MOBIL "22" FEDERAL LEASE @ 30-015-24955**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-24955] MOBIL 22 FEDERAL #001**

Location of Release Source	
Site Name	**MOBIL "22" FEDERAL LEASE**
Date Release Discovered	**07/27/2018**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,170
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/26/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Andrew Parker 970-570-9535
Please provide any information necessary for navigation to sampling site	Additional sampling required to confirm clean walls and bases with extended excavation.

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CONDITIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318937
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
aparkermp	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/29/2024

Appendix B

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:	20180727-1300-Mobil22
Work Order:	E309234
Job Number:	23083-0001
Received:	9/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/23

Date Reported: 10/4/23

Andrew Parker
4008 N Grimes #270
Hobbs, NM 88240

Project Name: 20180727-1300-Mobil22
Workorder: E309234
Date Received: 9/29/2023 9:00:00AM

Andrew Parker,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2023 9:00:00AM, under the Project Name: 20180727-1300-Mobil22.

The analytical test results summarized in this report with the Project Name: 20180727-1300-Mobil22 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
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/04/23 10:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
GS-01N 0-2FT	E309234-01A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-01E 0-2FT	E309234-02A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-01 1.75FT	E309234-03A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-02W 0-2FT	E309234-04A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-02 1.5FT	E309234-05A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-03S 0-1.75FT	E309234-06A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-03 2FT	E309234-07A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-01N 0-2FT

E309234-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**105**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-01E 0-2FT

E309234-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.2 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	ND	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-01 1.75FT

E309234-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*92.6 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**149**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-02W 0-2FT

E309234-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*96.9 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**55.8**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-02 1.5FT

E309234-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*95.0 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**34.5**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-03S 0-1.75FT

E309234-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*92.2 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**563**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-03 2FT

E309234-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**675**	20.0	1	10/02/23	10/02/23	

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

Volatile Organics by EPA 8021B

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 (2339120-BLK1)									Prepared: 09/30/23 Analyzed: 09/30/23
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	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2339120-BS1)									Prepared: 09/30/23 Analyzed: 09/30/23
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.1	70-130			
Toluene	4.79	0.0250	5.00		95.7	70-130			
o-Xylene	4.75	0.0250	5.00		95.0	70-130			
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2339120-MS1)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Benzene	4.64	0.0250	5.00	ND	92.9	54-133			
Ethylbenzene	4.50	0.0250	5.00	ND	90.1	61-133			
Toluene	4.67	0.0250	5.00	ND	93.4	61-130			
o-Xylene	4.61	0.0250	5.00	ND	92.2	63-131			
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike Dup (2339120-MSD1)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Benzene	4.91	0.0250	5.00	ND	98.2	54-133	5.55	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	5.34	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	5.38	20	
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	5.52	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	5.18	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131	5.29	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.9*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2339120-BLK1)									Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.95*		*8.00*		*86.9*	*70-130*			
LCS (2339120-BS2)									Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0		79.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.3*	*70-130*			
Matrix Spike (2339120-MS2)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.11*		*8.00*		*88.9*	*70-130*			
Matrix Spike Dup (2339120-MSD2)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	1.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.00*		*8.00*		*87.5*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

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 (2339124-BLK1)									Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*66.4*		*50.0*		*133*	*50-200*			
LCS (2339124-BS1)									Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*66.7*		*50.0*		*133*	*50-200*			
Matrix Spike (2339124-MS1)				**Source: E309239-03**					Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	38-132			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			
Matrix Spike Dup (2339124-MSD1)				**Source: E309239-03**					Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	38-132	2.60	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.3*	*50-200*			

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

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 (2340007-BLK1)									Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	ND	20.0							
LCS (2340007-BS1)									Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2340007-MS1)				**Source: E309233-01**					Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	467	20.0	250	275	77.2	80-120			M2
Matrix Spike Dup (2340007-MSD1)				**Source: E309233-01**					Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	502	20.0	250	275	90.8	80-120	7.06	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:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/04/23 10:36

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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 1

Client: McNabb Partners	Bill To
Project: ~~2018~~ 20180727-1300 - Mobil22	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# E309234 | 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
10:15	9/26	Soil	1	GS-01N 0-2 FT	1							X		
11:45			1	GS-01E 0-2FT	2									
13:00				GS-01 1.75 FT	3									
11:20				GS-02W 0-2 FT	4									
13:15				GS-02 1.5 FT	5									
10:50				GS-03S 0-1.75 FT	6									
12:20				GS-03 2 FT	7									

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	9/28/23	07:15	Michelle Gonzales	9-28-23	1045
Michelle Gonzales	9-28-23	1515	Kennedy Garcia	9-28-23	1515
Kennedy Garcia	9-28-23	2111	[signature]	9.29.23	900
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.

envirotech

Envirotech Analytical Laboratory

Printed: 9/30/2023 11:16:15AM

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:	09/29/23 09:00	Work Order ID:	E309234
Phone:	(970) 570-9535	Date Logged In:	09/29/23 12:48	Logged In By:	Alexa Michaels
Email:	andrew@mcnabbpartners.com	Due Date:	10/05/23 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

January 17, 2024

ANDREW PARKER

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MOBIL 22 FEDERAL

Enclosed are the results of analyses for samples received by the laboratory on 01/12/24 15:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:	01/12/2024	Sampling Date:	01/12/2024
Reported:	01/17/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBILE22FED	Sample Received By:	Dionica Hinojos
Project Location:	MALJAMAR, NM		

Sample ID: CALICHE BACKFILL (H240152-01)

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	01/15/2024	ND	2.15	108	2.00	0.771	
Toluene*	<0.050	0.050	01/15/2024	ND	2.14	107	2.00	0.748	
Ethylbenzene*	<0.050	0.050	01/15/2024	ND	2.12	106	2.00	0.236	
Total Xylenes*	<0.150	0.150	01/15/2024	ND	6.19	103	6.00	0.367	
Total BTEX	<0.300	0.300	01/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *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	**32.0**	16.0	01/15/2024	ND	464	116	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	01/15/2024	ND	187	93.6	200	2.42	
DRO >C10-C28*	<10.0	10.0	01/15/2024	ND	187	93.4	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/15/2024	ND					

Surrogate: 1-Chlorooctane *92.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	01/12/2024	Sampling Date:	01/12/2024
Reported:	01/17/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBILE22FED	Sample Received By:	Dionica Hinojos
Project Location:	MALJAMAR, NM		

Sample ID: TOP SOIL BACKFILL (H240152-02)

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	01/15/2024	ND	2.15	108	2.00	0.771	
Toluene*	<0.050	0.050	01/15/2024	ND	2.14	107	2.00	0.748	
Ethylbenzene*	<0.050	0.050	01/15/2024	ND	2.12	106	2.00	0.236	
Total Xylenes*	<0.150	0.150	01/15/2024	ND	6.19	103	6.00	0.367	
Total BTEX	<0.300	0.300	01/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.4 %* *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	<16.0	16.0	01/15/2024	ND	464	116	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	01/15/2024	ND	187	93.6	200	2.42	
DRO >C10-C28*	<10.0	10.0	01/15/2024	ND	187	93.4	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/15/2024	ND					

Surrogate: 1-Chlorooctane *85.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.2 %* *49.1-148*

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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

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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: Stephen Johnson
Project Name: 20180727-1305-Mobil22Fed
Project Location: Mobil 22 Federal
Sampler Name: Christopher Turner

BILL TO

P.O. #: 20180727-1305-Mobil22Fed
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
H240152-1	Caliche Backfill	G	1			X					X		01.12	11:25	X	X	X
-2	Top soil Backfill	↓	↓			↓					↓		01.12	11:30	↓	↓	↓

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

Relinquished By: Date: 01.12.23 Time: 3:48 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 0.8 Corrected Temp. °C
Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: Temp Blank 1.1°C
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

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.4 07/11/23

CARDINAL Laboratories

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

January 22, 2024

ANDREW PARKER

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MOBIL 22 FED

Enclosed are the results of analyses for samples received by the laboratory on 01/12/24 15:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS - 03.1 3 FT	H240153-01	Soil	11-Jan-24 11:50	12-Jan-24 15:48
GS - 03.1 N 0-1 FT	H240153-02	Soil	11-Jan-24 12:03	12-Jan-24 15:48
GS - 03.1 N 1-2 FT	H240153-03	Soil	11-Jan-24 12:09	12-Jan-24 15:48
GS - 03.1 N 3 FT	H240153-04	Soil	11-Jan-24 12:15	12-Jan-24 15:48
GS - 03.1 E 0-1 FT	H240153-05	Soil	11-Jan-24 12:23	12-Jan-24 15:48
GS - 03.1 E 1-2 FT	H240153-06	Soil	11-Jan-24 12:28	12-Jan-24 15:48
GS - 03.1 E 3 FT	H240153-07	Soil	11-Jan-24 12:32	12-Jan-24 15:48
GS - 03.1 W 0-1 FT	H240153-08	Soil	11-Jan-24 12:41	12-Jan-24 15:48
GS - 03.1 W 1-2 FT	H240153-09	Soil	11-Jan-24 12:45	12-Jan-24 15:48
GS - 03.1 W 3 FT	H240153-10	Soil	11-Jan-24 12:49	12-Jan-24 15:48
GS - 05 3 FT	H240153-11	Soil	12-Jan-24 11:59	12-Jan-24 15:48
GS - 05 S 0-1 FT	H240153-12	Soil	12-Jan-24 12:20	12-Jan-24 15:48
GS - 05 S 1-2 FT	H240153-13	Soil	12-Jan-24 12:40	12-Jan-24 15:48
GS - 05 S 3 FT	H240153-14	Soil	12-Jan-24 12:43	12-Jan-24 15:48
GS - 05 E 0-1 FT	H240153-15	Soil	12-Jan-24 12:51	12-Jan-24 15:48
GS - 05 E 1-2 FT	H240153-16	Soil	12-Jan-24 12:59	12-Jan-24 15:48
GS - 05 E 3 FT	H240153-17	Soil	12-Jan-24 13:05	12-Jan-24 15:48
GS - 05 W 0-1 FT	H240153-18	Soil	12-Jan-24 13:08	12-Jan-24 15:48
GS - 05 W 1-2 FT	H240153-19	Soil	12-Jan-24 13:12	12-Jan-24 15:48
GS - 05 W 3 FT	H240153-20	Soil	12-Jan-24 13:26	12-Jan-24 15:48

01/22/24 - Client changed the sample IDs on -12, -13 and -14 (see COC). This is the revised report and will replace the one sent on 01/17/24.

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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 3 FT

H240153-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	4011513	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*80.5 %*	*48.2-134*		*4011502*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.9 %*	*49.1-148*		*4011502*	MS	*15-Jan-24*	*8015B*	

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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 N 0-1 FT

H240153-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011513	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*83.8 %*	*48.2-134*		*4011502*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*91.0 %*	*49.1-148*		*4011502*	MS	*15-Jan-24*	*8015B*	

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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 N 1-2 FT

H240153-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	4011513	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*77.9 %*	*48.2-134*		*4011502*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.0 %*	*49.1-148*		*4011502*	MS	*15-Jan-24*	*8015B*	

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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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 N 3 FT

H240153-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	4011513	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011502	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*78.2 %*	*48.2-134*		*4011502*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.1 %*	*49.1-148*		*4011502*	MS	*15-Jan-24*	*8015B*	

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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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 E 0-1 FT

H240153-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	4011513	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*73.8 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*74.0 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 E 1-2 FT

H240153-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**288**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*61.0 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*60.7 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 E 3 FT

H240153-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*84.9 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.0 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 W 0-1 FT

H240153-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**96.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	17-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	17-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	17-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*93.1 %*	*48.2-134*		*4011503*	MS	*17-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.0 %*	*49.1-148*		*4011503*	MS	*17-Jan-24*	*8015B*	

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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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 W 1-2 FT

H240153-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*77.7 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.9 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 03.1 W 3 FT

H240153-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*80.5 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.7 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 3 FT

H240153-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*73.2 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.1 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 S 0-1 FT

H240153-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*78.3 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.6 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 S 1-2 FT

H240153-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011504	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011504*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*77.1 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.1 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 S 3 FT

H240153-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011520*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*69.8 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*71.7 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 E 0-1 FT

H240153-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*4011520*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*83.3 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*84.2 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 E 1-2 FT

H240153-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011520*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*81.4 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.3 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 E 3 FT

H240153-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011520*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011503	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*77.9 %*	*48.2-134*		*4011503*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*80.2 %*	*49.1-148*		*4011503*	MS	*15-Jan-24*	*8015B*	

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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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 W 0-1 FT

H240153-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011520*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*79.1 %*	*48.2-134*		*4011517*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*71.7 %*	*49.1-148*		*4011517*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 W 1-2 FT

H240153-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011520*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*70.1 %*	*48.2-134*		*4011517*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*62.9 %*	*49.1-148*		*4011517*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

GS - 05 W 3 FT

H240153-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	4011510	CT	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4011520	JH	15-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4011520*	JH	*15-Jan-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011517	MS	15-Jan-24	8015B	
Surrogate: 1-Chlorooctane			*68.8 %*	*48.2-134*		*4011517*	MS	*15-Jan-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*64.2 %*	*49.1-148*		*4011517*	MS	*15-Jan-24*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011510 - 1:4 DI Water										
Blank (4011510-BLK1)				Prepared & Analyzed: 15-Jan-24						
Chloride	ND	16.0	mg/kg							
LCS (4011510-BS1)				Prepared & Analyzed: 15-Jan-24						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (4011510-BSD1)				Prepared & Analyzed: 15-Jan-24						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
Batch 4011513 - 1:4 DI Water										
Blank (4011513-BLK1)				Prepared & Analyzed: 15-Jan-24						
Chloride	ND	16.0	mg/kg							
LCS (4011513-BS1)				Prepared & Analyzed: 15-Jan-24						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4011513-BSD1)				Prepared & Analyzed: 15-Jan-24						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011504 - Volatiles										
Blank (4011504-BLK1)				Prepared & Analyzed: 15-Jan-24						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0513*		mg/kg	*0.0500*		*103*	*71.5-134*			
LCS (4011504-BS1)				Prepared & Analyzed: 15-Jan-24						
Benzene	2.21	0.050	mg/kg	2.00		111	82.8-130			
Toluene	2.24	0.050	mg/kg	2.00		112	86-128			
Ethylbenzene	2.23	0.050	mg/kg	2.00		112	85.9-128			
m,p-Xylene	4.55	0.100	mg/kg	4.00		114	89-129			
o-Xylene	2.23	0.050	mg/kg	2.00		111	86.1-125			
Total Xylenes	6.78	0.150	mg/kg	6.00		113	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0508*		mg/kg	*0.0500*		*102*	*71.5-134*			
LCS Dup (4011504-BSD1)				Prepared & Analyzed: 15-Jan-24						
Benzene	2.17	0.050	mg/kg	2.00		108	82.8-130	1.95	15.8	
Toluene	2.19	0.050	mg/kg	2.00		109	86-128	2.34	15.9	
Ethylbenzene	2.19	0.050	mg/kg	2.00		109	85.9-128	2.12	16	
m,p-Xylene	4.48	0.100	mg/kg	4.00		112	89-129	1.54	16.2	
o-Xylene	2.19	0.050	mg/kg	2.00		110	86.1-125	1.73	16.7	
Total Xylenes	6.67	0.150	mg/kg	6.00		111	88.2-128	1.60	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0506*		mg/kg	*0.0500*		*101*	*71.5-134*			
Batch 4011520 - Volatiles										
Blank (4011520-BLK1)				Prepared & Analyzed: 15-Jan-24						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011520 - Volatiles										
Blank (4011520-BLK1)				Prepared & Analyzed: 15-Jan-24						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0518*		mg/kg	*0.0500*		*104*	*71.5-134*			
LCS (4011520-BS1)				Prepared & Analyzed: 15-Jan-24						
Benzene	2.17	0.050	mg/kg	2.00		108	82.8-130			
Toluene	2.19	0.050	mg/kg	2.00		109	86-128			
Ethylbenzene	2.20	0.050	mg/kg	2.00		110	85.9-128			
m,p-Xylene	4.48	0.100	mg/kg	4.00		112	89-129			
o-Xylene	2.20	0.050	mg/kg	2.00		110	86.1-125			
Total Xylenes	6.69	0.150	mg/kg	6.00		111	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0513*		mg/kg	*0.0500*		*103*	*71.5-134*			
LCS Dup (4011520-BSD1)				Prepared & Analyzed: 15-Jan-24						
Benzene	2.17	0.050	mg/kg	2.00		108	82.8-130	0.00555	15.8	
Toluene	2.20	0.050	mg/kg	2.00		110	86-128	0.337	15.9	
Ethylbenzene	2.19	0.050	mg/kg	2.00		110	85.9-128	0.244	16	
m,p-Xylene	4.47	0.100	mg/kg	4.00		112	89-129	0.212	16.2	
o-Xylene	2.19	0.050	mg/kg	2.00		110	86.1-125	0.495	16.7	
Total Xylenes	6.67	0.150	mg/kg	6.00		111	88.2-128	0.306	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0507*		mg/kg	*0.0500*		*101*	*71.5-134*			

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CARDINAL Laboratories

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

Analytical Results For:

MC NABB SERVICES P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011502 - General Prep - Organics										
Blank (4011502-BLK1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*55.7*		mg/kg	*50.0*		*111*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*62.6*		mg/kg	*50.0*		*125*	*49.1-148*			
LCS (4011502-BS1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	187	10.0	mg/kg	200		93.6	66.4-123			
DRO >C10-C28	187	10.0	mg/kg	200		93.4	66.5-118			
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	77.6-123			
Surrogate: 1-Chlorooctane	*45.6*		mg/kg	*50.0*		*91.2*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.8*		mg/kg	*50.0*		*97.7*	*49.1-148*			
LCS Dup (4011502-BSD1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	192	10.0	mg/kg	200		95.9	66.4-123	2.42	17.7	
DRO >C10-C28	190	10.0	mg/kg	200		95.1	66.5-118	1.74	21	
Total TPH C6-C28	382	10.0	mg/kg	400		95.5	77.6-123	2.08	18.5	
Surrogate: 1-Chlorooctane	*46.2*		mg/kg	*50.0*		*92.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.8*		mg/kg	*50.0*		*97.5*	*49.1-148*			
Batch 4011503 - General Prep - Organics										
Blank (4011503-BLK1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*42.9*		mg/kg	*50.0*		*85.9*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*44.1*		mg/kg	*50.0*		*88.3*	*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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011503 - General Prep - Organics										
LCS (4011503-BS1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	171	10.0	mg/kg	200		85.7	66.4-123			
DRO >C10-C28	167	10.0	mg/kg	200		83.6	66.5-118			
Total TPH C6-C28	339	10.0	mg/kg	400		84.6	77.6-123			
Surrogate: 1-Chlorooctane	*44.6*		mg/kg	*50.0*		*89.2*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*45.3*		mg/kg	*50.0*		*90.5*	*49.1-148*			
LCS Dup (4011503-BSD1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	177	10.0	mg/kg	200		88.3	66.4-123	2.96	17.7	
DRO >C10-C28	171	10.0	mg/kg	200		85.3	66.5-118	2.01	21	
Total TPH C6-C28	347	10.0	mg/kg	400		86.8	77.6-123	2.49	18.5	
Surrogate: 1-Chlorooctane	*45.9*		mg/kg	*50.0*		*91.9*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*46.6*		mg/kg	*50.0*		*93.3*	*49.1-148*			
Batch 4011517 - General Prep - Organics										
Blank (4011517-BLK1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*42.0*		mg/kg	*50.0*		*84.0*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*38.1*		mg/kg	*50.0*		*76.1*	*49.1-148*			
LCS (4011517-BS1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	178	10.0	mg/kg	200		88.9	66.4-123			
DRO >C10-C28	163	10.0	mg/kg	200		81.7	66.5-118			
Total TPH C6-C28	341	10.0	mg/kg	400		85.3	77.6-123			
Surrogate: 1-Chlorooctane	*43.4*		mg/kg	*50.0*		*86.9*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*41.0*		mg/kg	*50.0*		*81.9*	*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 P. O. BOX 5753 HOBBS NM, 88240	Project: MOBIL 22 FED Project Number: 20180727-1300-MOBIL22FED Project Manager: ANDREW PARKER Fax To: (575) 391-8484	Reported: 22-Jan-24 15:57

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011517 - General Prep - Organics										
LCS Dup (4011517-BSD1)				Prepared & Analyzed: 15-Jan-24						
GRO C6-C10	184	10.0	mg/kg	200		92.0	66.4-123	3.49	17.7	
DRO >C10-C28	170	10.0	mg/kg	200		85.2	66.5-118	4.28	21	
Total TPH C6-C28	355	10.0	mg/kg	400		88.6	77.6-123	3.87	18.5	
Surrogate: 1-Chlorooctane	*44.9*		mg/kg	*50.0*		*89.7*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*43.0*		mg/kg	*50.0*		*86.0*	*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: Stephen E Johnson
Project Name:	20180727-1300-mobil22Fed
Project Location:	Mobil 22 Federal
Sampler Name:	Christopher Turner

BILL TO

P.O. #:	20180727-1300-mobil22Fed
Company:	McNabb Partners
Attn:	andrew@mcnabbpartners.com
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.: H240153

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)
1	GS-03.1	3 Ft	C	1			X					X		01.11.23	11:50	X	X	X
2	GS-03.1N	0-1 Ft													12:03			
3	GS-03.1N	1-2 Ft													12:09			
4	GS-03.1N	3 Ft													12:15			
5	GS-03.1E	0-1 Ft													12:23			
6	GS-03.1E	1-2 Ft													12:28			
7	GS-03.1E	3 Ft													12:32			
8	GS-03.1W	0-1 Ft													12:41			
9	GS-03.1W	1-2 Ft													12:45			
10	GS-03.1W	3 Ft	↓	↓			↓					↓		↓	12:49	↓	↓	↓

Relinquished By:	Date: 01.12.23	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 3:40		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		Temp Blank 1.1°C

Delivered By: (Circle One)	Observed Temp. °C 0.8°C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No		Standard ☑ / Rush ☐	Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No / Observed Temp. °C / Corrected Temp. °C
				Thermometer ID #140 Correction Factor 0°C	

FORM-006 R 3.4 07/11/23

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CARDINAL Laboratories

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(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: Stephen & Johnson
Project Name:	20180727-1300-mobil22Fed
Project Location:	Mobil22Fed
Sampler Name:	Christopher Turner

BILL TO

P.O. #:	20180727-1300-mobil22Fed
Company:	McNabb Partner
Attn:	andrew@mcnabbpartners.com
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

H240173

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)
11	GS-05	3 Ft	C	1			X					X		01.12.23	11:59	X	X	X
* 12	GS-05NS	0-1 Ft													12:20			
* 13	GS-05NS	1-2 Ft													12:40			
14	GS-05NS	3 Ft													12:43			
15	GS-05E	0-1 Ft													12:51			
16	GS-05E	1-2 Ft													12:59			
17	GS-05E	3 Ft													1:05			
18	GS-05W	0-1 Ft													1:08			
19	GS-05W	1-2 Ft													1:12			
20	GS-05W	3 Ft	V	V			V					V		V	1:26	V	V	V

Relinquished By:	Date: 01.12.23 SC	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 3:48		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: * Customer requested Sample ID Changes on 1/22/24
	Time:		Temp Blank 1.1°C

Delivered By: (Circle One)	Observed Temp. °C 0.8°C	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☐ Yes ☐ Yes ☐ No ☐ No		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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CARDINAL Laboratories

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

January 25, 2024

ANDREW PARKER

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MOBIL 22 NORTH PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 01/22/24 14:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 06 N 0-2 FT (H240276-01)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *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	**112**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.0 %* *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:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 06 N 2-4 FT (H240276-02)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *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	**160**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					

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

Surrogate: 1-Chlorooctadecane *88.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 06 4 FT (H240276-03)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *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	**432**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.1 %* *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
ANDREW PARKER
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 07 W 0-2 FT (H240276-04)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					

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

Surrogate: 1-Chlorooctadecane *88.7 %* *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
ANDREW PARKER
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 07 W 2-4 FT (H240276-05)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *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	**112**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					

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

Surrogate: 1-Chlorooctadecane *89.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 07 4 FT (H240276-06)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *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	**640**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					

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

Surrogate: 1-Chlorooctadecane *89.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 08 W 0-1 FT (H240276-07)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					

Surrogate: 1-Chlorooctane *95.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.7 %* *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:	01/22/2024	Sampling Date:	01/22/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 08 1 FT (H240276-08)

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	01/23/2024	ND	2.18	109	2.00	0.187	
Toluene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	0.00469	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.18	109	2.00	0.206	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.39	106	6.00	0.371	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *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	**128**	16.0	01/23/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	211	106	200	1.55	
DRO >C10-C28*	**83.5**	10.0	01/23/2024	ND	216	108	200	2.08	
EXT DRO >C28-C36	**46.0**	10.0	01/23/2024	ND					

Surrogate: 1-Chlorooctane *87.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.3 %* *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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: McNabb Partners
Project Manager: Andrew Parker
Address: On-File
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner: Stephen & Johnson
Project Name: 20180727-1500-Mobil 22 Fed
Project Location: Mobil 22 North Pipeline
Sampler Name: Christopher Turner

BILL TO
P.O. #: 20180727-1500-Mobil 22 Fed
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)
H240276 1	GS-06 N	0-2 Ft	C	1			X					X		01/22	11:22	X	X	X
2	GS-06 N	2-4 Ft	"	"			"					"		"	11:24			
3	GS-06	4 Ft	"	"			"					"		"	11:28			
4	GS-07 W	0-2 Ft	"	"			"					"		"	11:33			
5	GS-07 W	2-4 Ft	"	"			"					"		"	11:37			
6	GS-07	4 Ft	"	"			"					"		"	11:43			
7	GS-08 W	0-1 Ft	"	"			"					"		"	11:52			
8	GS-08	1 Ft	V	V			V					V		V	11:48	V	V	V

Relinquished By: Date: 1-22-24 Time: 1437 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 3.8
Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TC

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

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

FORM-006 R 3.4 07/11/23

CARDINAL Laboratories

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

January 29, 2024

ANDREW PARKER

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MOBIL 22 NORTH PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 01/24/24 8:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: GS - 04 4.1' (H240313-01)

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	01/24/2024	ND	2.19	109	2.00	1.23	
Toluene*	<0.050	0.050	01/24/2024	ND	2.20	110	2.00	1.73	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.19	109	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**560**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	207	104	200	2.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

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

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

Cardinal Laboratories *=Accredited Analyte

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:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: GS - 04E 0-2' (H240313-02)

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	01/24/2024	ND	2.19	109	2.00	1.23	
Toluene*	<0.050	0.050	01/24/2024	ND	2.20	110	2.00	1.73	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.19	109	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**1390**	16.0	01/24/2024	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	207	104	200	2.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

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

Surrogate: 1-Chlorooctadecane *99.4 %* *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

Analytical Results For:

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

Received:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: GS - 04E 2-4' (H240313-03)

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	01/24/2024	ND	2.19	109	2.00	1.23	
Toluene*	<0.050	0.050	01/24/2024	ND	2.20	110	2.00	1.73	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.19	109	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**1260**	16.0	01/24/2024	ND	416	104	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	01/24/2024	ND	207	104	200	2.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *93.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.0 %* *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:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: GS - 04E 4.1' (H240313-04)

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	01/24/2024	ND	2.19	109	2.00	1.23	
Toluene*	<0.050	0.050	01/24/2024	ND	2.20	110	2.00	1.73	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.19	109	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**480**	16.0	01/24/2024	ND	416	104	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	01/24/2024	ND	207	104	200	2.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *77.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *73.1 %* *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:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: GS - 04.1E 0-2' (H240313-05)

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	01/24/2024	ND	2.19	109	2.00	1.23	
Toluene*	<0.050	0.050	01/24/2024	ND	2.20	110	2.00	1.73	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.19	109	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**1520**	16.0	01/24/2024	ND	416	104	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	01/24/2024	ND	207	104	200	2.95	
DRO >C10-C28*	**22.1**	10.0	01/24/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *98.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.2 %* *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:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: GS - 04.1E 2-4' (H240313-06)

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	01/24/2024	ND	2.19	109	2.00	1.23	
Toluene*	<0.050	0.050	01/24/2024	ND	2.20	110	2.00	1.73	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.19	109	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.62	110	6.00	1.45	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**880**	16.0	01/24/2024	ND	416	104	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	01/24/2024	ND	207	104	200	2.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *83.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.6 %* *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:	01/24/2024	Sampling Date:	01/23/2024
Reported:	01/29/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: GS - 04.1E 4.1' (H240313-07)

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	01/24/2024	ND	2.18	109	2.00	7.38	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	107	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.21	111	2.00	15.0	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.63	111	6.00	16.0	
Total BTEX	<0.300	0.300	01/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**240**	16.0	01/24/2024	ND	416	104	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	01/24/2024	ND	207	104	200	2.95	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	201	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *88.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.3 %* *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

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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 Partners
Address:
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner: Stephens & Johnson
Project Name: 20180727-1300-mobil22Fed
Project Location: Mobil 22 North Pipeliner
Sampler Name: Christopher Turner

BILL TO

P.O. #: 20180727-1300-mobil22Fed
Company: McNabb Partners
Attn: andrew@mcnabbpartners.com
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. A240813

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)
1	GS-04	4.1Ft	C	1			X					X		01.23.24	2:25	X	X	X
2	GS-04E	0-2Ft													2:35			
3	GS-04E	2-4Ft													2:41			
4	GS-04E	4.1Ft													2:45			
5	GS-04.1E	0-2Ft													2:14			
6	GS-04.1E	2-4Ft													2:20			
7	GS-04.1E	4.1Ft													2:00			

Relinquished By: Date: 1/24/24 Time: 8:34 Received By:
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 4.6°C
Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No / Intact ☐ Yes ☐ No
CHECKED BY: (Initials) DA

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

REMARKS:
Temp Blank 3.8

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

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

January 31, 2024

ANDREW PARKER

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MOBIL 22 PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 08 1.5FT (H240375-01)

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	01/30/2024	ND	2.09	104	2.00	12.0	
Toluene*	<0.050	0.050	01/30/2024	ND	2.17	108	2.00	9.47	QR-03
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	9.63	QR-03
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.90	115	6.00	9.12	QR-03
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	**128**	16.0	01/29/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	203	101	200	0.400	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

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

Surrogate: 1-Chlorooctadecane *95.3 %* *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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1300-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 07 4.2FT (H240375-02)

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	01/30/2024	ND	2.09	104	2.00	12.0	
Toluene*	<0.050	0.050	01/30/2024	ND	2.17	108	2.00	9.47	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	9.63	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.90	115	6.00	9.12	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/29/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	0.400	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *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

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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: Stephen & Johnson
Project Name: 20180727-1300-Mobil22Fed
Project Location: Mobil 22 Pipeline
Sampler Name: Christopher Turner

BILL TO
P.O. #: 20180727-1300-Mobil22Fed
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)
H240375																		
1	GS-08	1.5 Ft	C	1			X					X		01.26.24	10:43	X	X	X
2	GS-07	4.2 Ft	↓	↓			↓					↓		↓	10:37	↓	↓	↓

Relinquished By: Date: 1-26-24 Time: 1545 Received By: Tamara Maldonado
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 36 Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) JD

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

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

January 31, 2024

ANDREW PARKER

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: MOBIL 22 NORTH PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 08W 1.5FT (H240376-01)

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	01/30/2024	ND	2.09	104	2.00	12.0	
Toluene*	<0.050	0.050	01/30/2024	ND	2.17	108	2.00	9.47	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	9.63	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.90	115	6.00	9.12	
Total BTEX	<0.300	0.300	01/30/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/29/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	0.400	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *93.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.3 %* *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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	MOBIL 22 NORTH PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	20180727-1500-MOBIL22FED	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: GS - 07W 4.2FT (H240376-02)

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	01/30/2024	ND	2.09	104	2.00	12.0	
Toluene*	<0.050	0.050	01/30/2024	ND	2.17	108	2.00	9.47	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.28	114	2.00	9.63	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.90	115	6.00	9.12	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**160**	16.0	01/29/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	203	101	200	0.400	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	201	101	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *91.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.4 %* *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

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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:
Project Name: 20180727-1300-mobil22Fed
Project Location: Mobil 22 North Pipeline
Sampler Name: Christopher Turner

BILL TO

P.O. #: 20180727-1300-mcnabb22Fed
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)
H240376-1	GS-08 W	1.5Ft	C	1			X					X		1.26.24	10:25			
-2	GS-07 W	4.2Ft	↓	↓			↓					↓		↓	10:29			

Relinquished By: Date: 1-26-24 Time: 1545 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 3.6
Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)

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

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Appendix C

Digital Reporting Data

Location: Mobil 22 Federal
Incident ID: NAB1822243840
Lat/Long: 32.0215599, -103.9645521 (NAD83)
Unit/Township/Range/Section: UL P, Sec 22, T 26S, R 29 E

NOR information	
Location of Release Source	
Site Name	Moble 22 Fed N Pipeline
Date released discovered	07/27/2018
Surface owner	Ross Ranch
Incident Details	
Incident Type	Produced Water
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 to fresh water?	No
Nature and Volume of Release	
• Crude oil released (bbls) Details	2
• Produced water released (bbls) Details	2
• Is the concentration of chloride in the produced water > 10,000 mg/l	Yes
• Condensate released (bbls) Details	No
• Natural Gas Vented (Mcf) Details	No
• Natural Gas Flared (Mcf) Details	No
• Other released details	No
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown and/or Fire or any negative lost amounts)	
Is this a gas only submission (i.e only significant Mcf values reported)?	No
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC?	No
Reasons why this would be considered a submission for a notification of a major release	NA
The source of the release has been stopped	Yes
The impacted area has been secured to protect human health and the environment	Yes
Release materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	Yes
All free liquids and recoverable materials have been removed and managed appropriately	Yes
If all of the actions described above have not been undertaken, explain why	

Location: Mobil 22 Federal
Incident ID: NAB1822243840
Lat/Long: 32.0215599, -103.9645521 (NAD83)
Unit/Township/Range/Section: UL P, Sec 22, T 26S, R 29 E

Site Characterization	
What is the shallowest depth to groundwater (ft bgs) Plate 2	67.1; 250 ft from release
What measure was used to determine this?	OSE file
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	879 ft NE of release
• Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark) Plate 4	>1/2 miles
• An occupied permanent residence, school, hospital, institution or church Plate 5	>1/2 mile
• A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes Plate 3	0.44 miles NE
• Any other fresh water well or spring Plate 3	0.44 miles NE
• Incorporated municipal boundaries or a defined municipal fresh water well field Plate 3	>1/2 mile
• A wetland Plate 6	>1 mile
• A subsurface mine Plate 7	>1 mile
• A (non-karst) unstable area	>1mile
• Categorize the risk of this well/site being in a karst geology Plate 8	Medium
• A 100-year floodplain Plate 9	>1/2 mile
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

Location: Mobil 22 Federal
Incident ID: NAB1822243840
Lat/Long: 32.0215599, -103.9645521 (NAD83)
Unit/Township/Range/Section: UL P, Sec 22, T 26S, R 29 E

Remediation Plan	
Requesting a remediation plan approval with this submission?	No
Have the lateral and vertical extents of the contamination been fully delineated *(attach report demonstrating lateral and vertical extents)*?	No
Was this release entirely contained within a lined containment area?	No
Soil Contamination Sampling (Highest observable value for each in mg/kg)	
• Chloride	1520
• TPH (DRO+GRO+MRO)	<139.5
• GRO+DRO	<32.1
• BTEX	<0.3
• Benzene	<0.05
On what estimated date will the remediation commence	January 12, 2024
On what date will (or did) the final sampling or liner inspection occur	January 26, 2024
On what date will (or was) the remediation completed	February 9, 2024
What is the estimated surface area (in square feet) that will be reclaimed	1170 (+300 in 2018) = 1470
What is the estimated volume (in cubic yards) that will be reclaimed	185 (+10 in 2018) = 195
What is the estimated surface area (in square ft) that will be remediated	1170 (+300 in 2018) = 1470
What is the estimated volume (in cubic yards) that will be remediated	185 (+10 in 2018) = 195
The remediation will (or is expected to) utilize the following processes to remediate/reduce contaminants:	
• Excavation and off-site disposal	Yes
• Excavation and on-site disposal	
• Soil Vapor Extraction (in Situ)	
• Chemical processing (in Situ)	
• Biological processing (in Situ)	
• Physical processing (in Situ)	
• Groundwater abatement	
• Other (non-listed remedial process)	
• Other non-listed remedial process. Please specify	
Attach proposed remediation plan narrative, including anticipated timelines for beginning and completion of remediation	

Location: Mobil 22 Federal
Incident ID: NAB1822243840
Lat/Long: 32.0215599, -103.9645521 (NAD83)
Unit/Township/Range/Section: UL P, Sec 22, T 26S, R 29 E

Remediation Closure Request	
Requesting a remediation closure approval with this submission?	Yes
Have the lateral and vertical extents of contamination been fully delineated?	No - delineation of the eastern extent of Grid G-04 may be comingled with on pad release (See Incident # NAPP2320031997)
Was this release entirely contained within a lined containment area?	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized?	NA
What was the total surface area (in sq ft) remediated?	1170 (+300 2018) = 1470
What was the total volume (cubic yards) remediated?	185 cu yards per remediation extent and depth (+ approx. 10 cu yards 2018) = 195
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of 4 ft non waste containing material with concentration less than 600 mg/kg chlorides?	Yes
What was the total surface area (in sq ft) reclaimed?	1170 (+300 in 2018) = 1470
What was the total volume (in cubic yards) reclaimed?	185 per remediation extent and depth (+ approx. 10 cu yrds 2018) =195
Summarize any addition remediation activities not included in answers above	Eastern extent of G-04 will be addressed with delineation/remediation of Incident ID# # NAPP2320031997
The remediation closure request requires the following attachments: Scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling and a narrative of the remedial activities.	

Location: Mobil 22 Federal
Incident ID: NAB1822243840
Lat/Long: 32.0215599, -103.9645521 (NAD83)
Unit/Township/Range/Section: UL P, Sec 22, T 26S, R 29 E

Reclamation Report	
Requestion a reclamation approval with this submission	No
What was the total reclamation surface area (in sq ft) for this site	1170
What was the total volume of replacement material (in cubic yards) for this site	Caliche: 168 cu yards + Topsoil: 34 cu yds = 202
Is the soils top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) reseeding commenced	02/09/2024
Summarize any additional reclamation activities not included by answers above	Reclaimed to caliche road and pipeline ROW
Reclamation report requires the following attachments: Scaled site map, photographs of reclamation, reseeding plan, relevant field notes, narrative of the reclamation activities	

Spill Dimensions to Volume of Release			
Input	**volume of affected soil**	**[feet^3]**	682.50
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10
Output	volume of fluid	[feet^3]	**23.9**
		[gal]	**178.7**
		Barrels	4.3

From GIS	
Sq. Ft	390
Depth (ft)	1.75
Cu. Ft	682.5

Total Release Volume	Barrels	4.3
Produced Water	Barrels	2.1
Crude Oil	Barrels	2.1

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

October 27, 2023

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

RE: Characterization Report and Remediation Workplan
Incident ID: NAB1822243840
Mobil 22 Federal
Project ID: 20180727-1300-mobil22fed

NMOCD:

McNabb Partners LLC submits this characterization report and remediation workplan on behalf of Stephens and Johnson Operating Company (SJOC).

Incident Number NAB1822243840 is addressed in this report. The incident is located offsite, to the northwest of the active Mobil 22 Federal production site. The release occurred on July 27, 2018, from a leak at a surface oil flowline. The flowline was adjacent to the lease road, northwest of the Mobil 22 Fed production site. The release consisted of approximately 2 bbls of oil and 2 bbls of produced water and covered an area of approximately 300 square ft. The well was shut down and the flowline was repaired. Although the release is <5 bbls and non-reportable, a C-141 NOR was submitted to NMOCD on July 31, 2018. Within 24-hours of the release, an area of approximately 250 cubic ft of impacted soil was excavated and transported off-site to an approved disposal facility.

This report addresses Incident NAB1822243840

Incident #	Date	RP #	AKA
NAB1822243840	07/27/2018	2RP-4905	Oil Well Flowline

The below Incidents related to the Mobil 22 Federal Battery location will be reported under a separate report cover.

Incident #	Date	RP #	AKA
NAPP2320031997	(Legacy Release) Submitted 07/19/2023		Tank Battery Area
NAB1822240516	07/26/2018	2RP-4909	Flowline Header
NAB1819054040	06/24/2018	2RP-4839	Water Injection
NMCS0331657138	07/16/2004		Tank Pump

Figure 1: Southern portion of release facing south. (Additional site photos to be included with remediation/closure report). Date: 2023-07-20 14:21:03; GPS: 32.021361, -103.964578

1. Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to the C-141 characterization checklist for additional setback criteria and verification (Plates 2-9).

1.1. Site Map

The horizontal extent of the release was determined by reported visual observations. Plate 1 shows the release extent relative to the Mobil 22 Federal #1 Wellhead. The source of the release is located at 32.0215599, -103.9645521 (Lat, Long; NAD83). The release extent covered an area of approximately 300 sq. ft.

1.2. Depth to Ground Water

The nearest measurement of depth to water are from two soil borings which were drilled by Atkins Engineering in July 2022, located approximately 250-300 ft south of the release extent. The borings are identified on Plate 2 according to their OSE File #. Depth to water gauged at 67-feet below ground surface (bgs). The driller logs are located in Appendix B. These borings have been plugged.

Boring ID	OSE File #	Depth to Water (ft)
TW-1	C-04653 (POD6)	67.1
TW-2	C-04653 (POD5)	67.7

1.3. Wellhead Protection Area

Plate 3 shows that the release extent is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within ½-mile of any documented water sources (wells and springs). The water well USGS-9523 is located 0.44 miles to the northeast.
- 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. Water well USGS-9401 is mislocated in the USGS database and is located 1-mile west of the release extent. The PLSS attribute data locates this well in 26S.29E.22.333. The metadata for the USGS-9401 well with Site Number “320112103574501” is located in Appendix B.

1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:

- Within ½ mile of a significant water course. The intermittent watercourse is located 879 feet northeast of the release extent.
- Not within 300 feet of a continuously flowing watercourse or any other significant watercourse.
- Not within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

1.5. Soil/Waste Characteristics

The USDA Natural Resources Conservation Service (NRCS) soil survey[1] describes the upper 5-feet of lithology as

Upton-Simona Complex, 1 to 15% slopes, eroded: with a composition of

- Upton Soils (45% of area)
  - Slope: 1 to 15 percent
  - Typical profile
    - ✓ H1 - 0 to 9 inches: gravelly loam
    - ✓ H2 - 9 to 13 inches: gravelly loam
    - ✓ H3 - 13 to 21 inches: cemented
    - ✓ H4 - 21 to 60 inches: very gravelly loam
- Simona Soils (35% of area)
  - Slope: 1 to 5 percent
  - Typical profile
    - ✓ H1 - 0 to 6 inches: gravelly fine sandy loam
    - ✓ H2 - 6 to 20 inches: gravelly fine sandy loam
    - ✓ H3 - 20 to 24 inches: indurated

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

The release extent was divided into sample grids of not more than 200 sq ft. A soil sample was collected from each grid base and around the perimeter of the release extent for laboratory analysis of chloride, TPH, Benzene, and BTEX.

- Plate 10 shows the confirmation sample grid layout with square footage.
- Plate 11 shows the confirmation sample locations.
- Table A shows the coordinates of the sample points.
- Table B shows the summary of analytical.

Closure Criteria as listed in Table 1 of 19.15.29 NMAC, where depth to water is 67 feet, is defined as

DTW 51-100 ft	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
0 - 4 feet & "not in-use"	600	--	100	10	50
> 4 ft or "in-use"	10,000	1,000	2,500	10	50

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

2. Remediation & Restoration Workplan

SJOC proposes to complete remediation efforts initiated in July 2018 as a part of the initial response at the time of the release occurrence.

Characterization/delineation samples were not collected during initial remediation activities. Therefore, sampling was conducted on 09/26/2023 to satisfy 19.15.29 NMAC. Sampling results indicate that all sample points, except for base grid G-03, met the most stringent closure criteria as noted above and therefore do not require further remediation. The prior remediation effort did not exceed 1-foot in depth as impact did not appear to extend beyond ½ to one foot in depth.

SJOC proposes to excavate base grid G-03 until the base and wall samples meet the above closure criteria for off-site areas. As indicated in the 2-day sampling notice email to NMOCD on 09/17/2023, characterization/delineation sample points that met closure criteria will also be used as confirmation sampling for closure.

When remediation and confirmation sampling is completed at G-03, the excavated area will be backfilled with clean soil and the surface will be contoured and restored as an established pipeline ROW per 19.15.29.13.A-C.

An estimated 200 cu. ft. of material will be excavated and hauled off-site to an approved disposal facility. Remediation will begin within 90-days of workplan approval. If confirmation samples meet the above closure criteria, we will submit a closure report within 45-days of laboratory results.

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

Sincerely,

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

Copy: Mike Kincaid; Stephen & Johnson Operating Company
Bureau of Land Management – Carlsbad Field Office.
Ross Ranch

State of New Mexico
Oil Conservation Division

Incident ID	NAB1822243840
District RP	2RP-4905
Facility ID	
Application ID	

Site Assessment/Characterization

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? **Plate 2**	67 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? **Plate 4**	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? **Plate 4**	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? **Plate 5**	☐ Yes ☒ No
Are the lateral extents of the release 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? **Plate 3**	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? **Plate 3**	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? **Plate 3**	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland? **Plate 6**	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine? **Plate 7**	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology? **Plate 8** Release is located in a medium potential Karst area.	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain? **Plate 9**	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information Additional photos of site and remediation to be included in closure report
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1822243840
District RP	2RP-4905
Facility ID	
Application ID	

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.

Printed Name: William M. Kincaid Title: Petroleum Engineer

Signature: William M. Kincaid Date: 10/27/2023

email: mkincaid@sjoc.net Telephone: 940-716-5333

OCD Only

Received by: Shelly Wells Date: 10/30/2023

State of New Mexico
Oil Conservation Division

Incident ID	NAB1822243840
District RP	2RP-4905
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: William M Kincaid Title: Petroleum Engineer

Signature: William M. Kincaid Date: 10/27/2023

email: mkincaid@sjoc.net Telephone: 940-716-5333

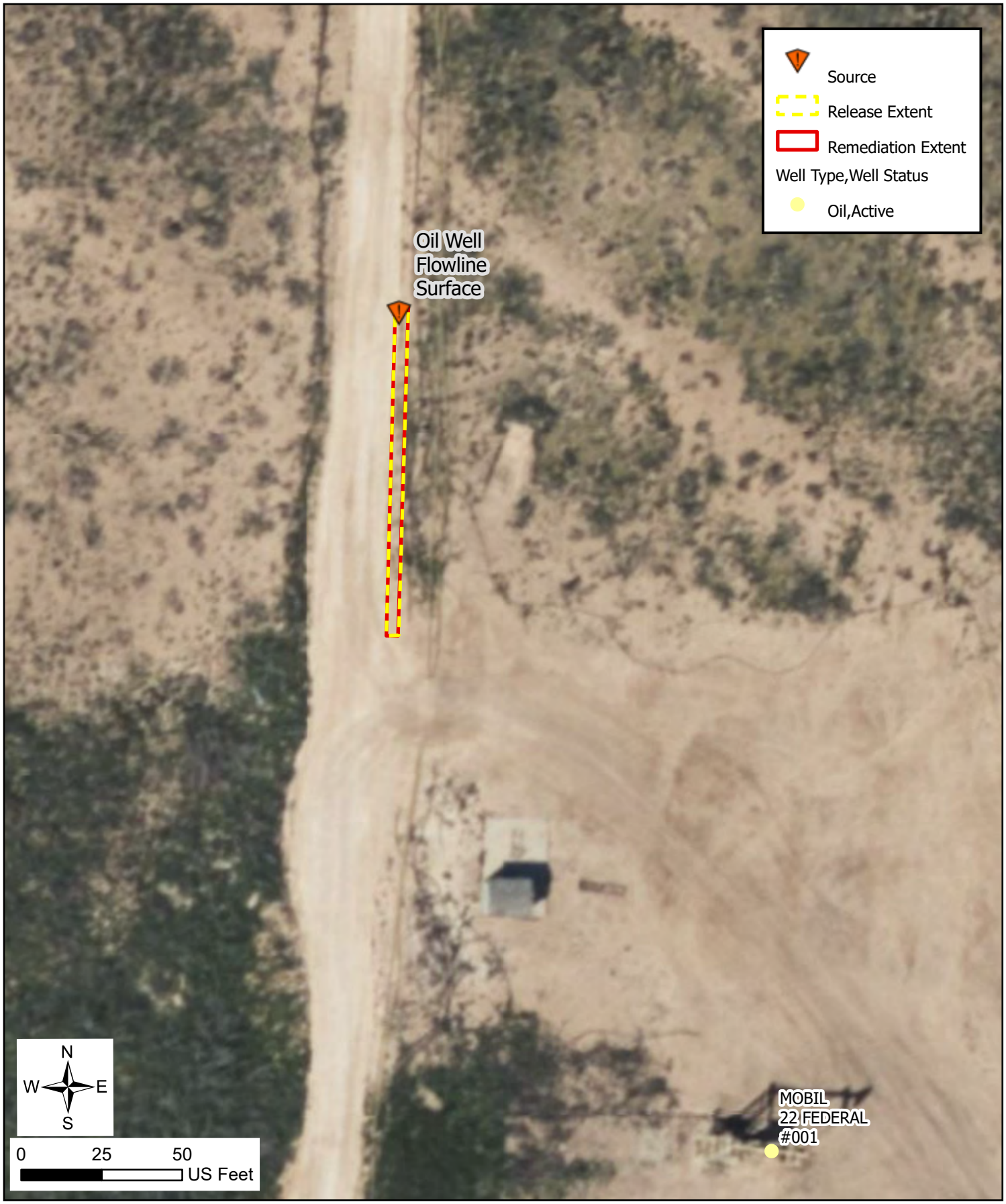
OCD Only

Received by: Shelly Wells Date: 10/30/2023

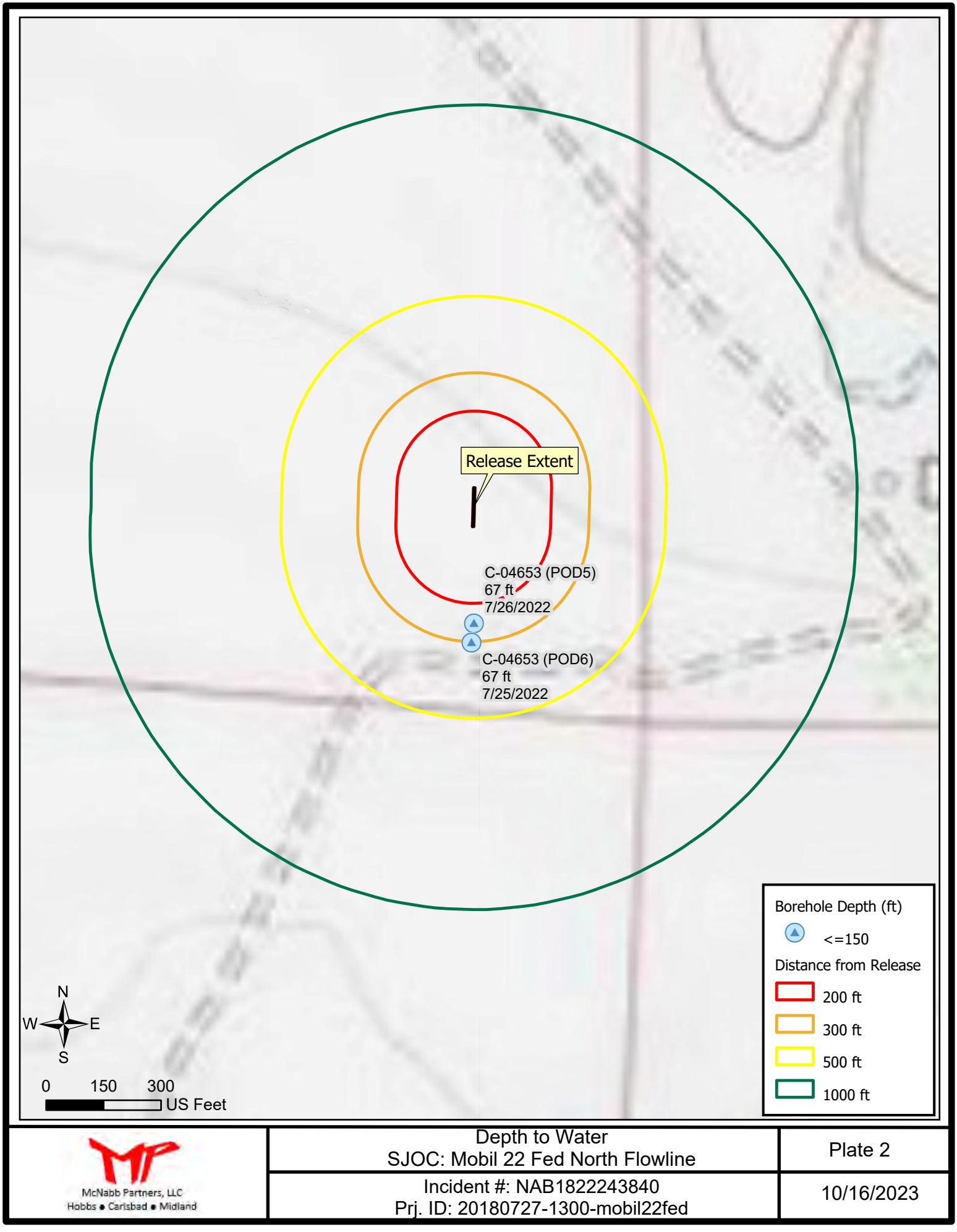
☑ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Ashley Maxwell Date: 10/31/2023

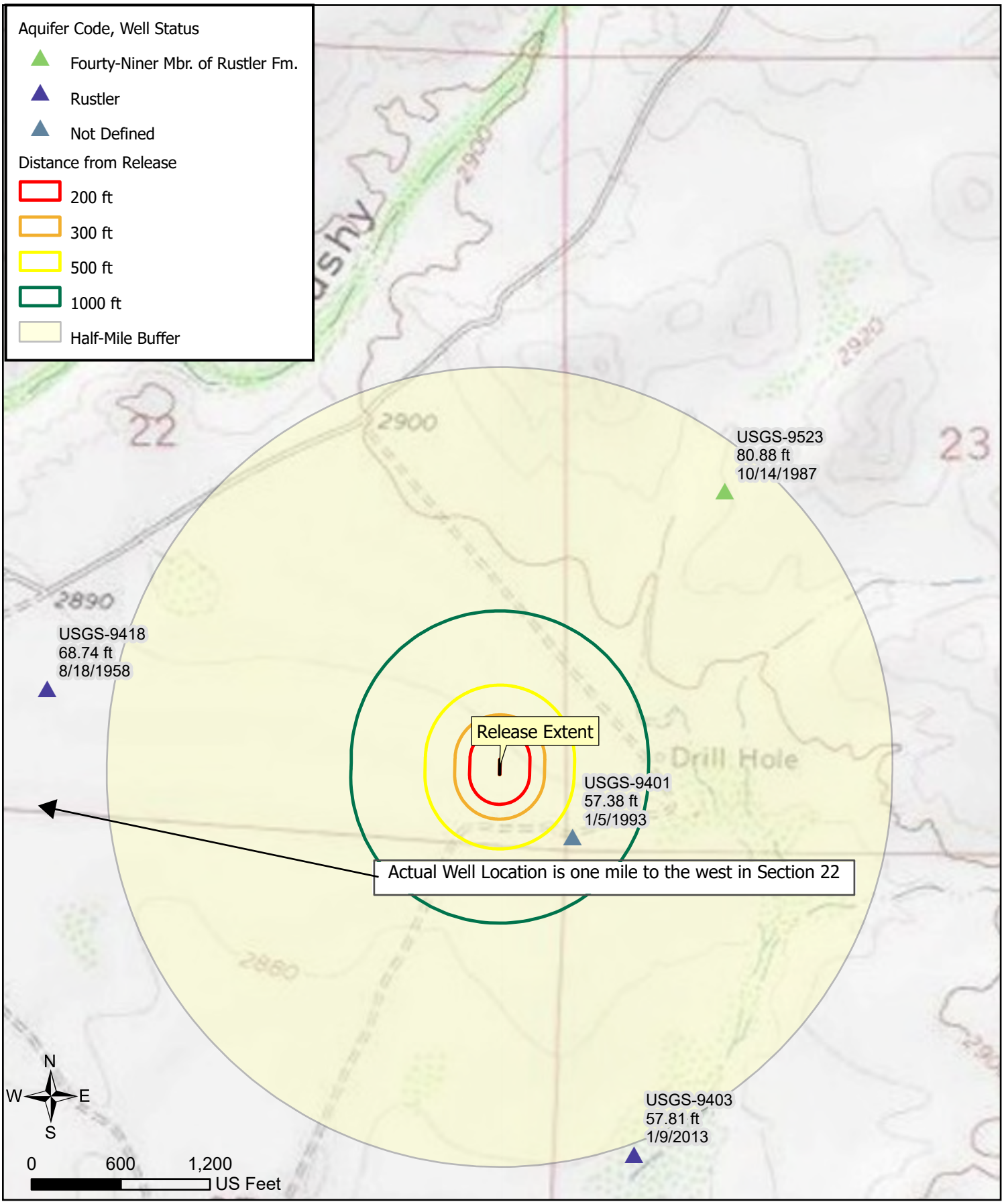
Plates



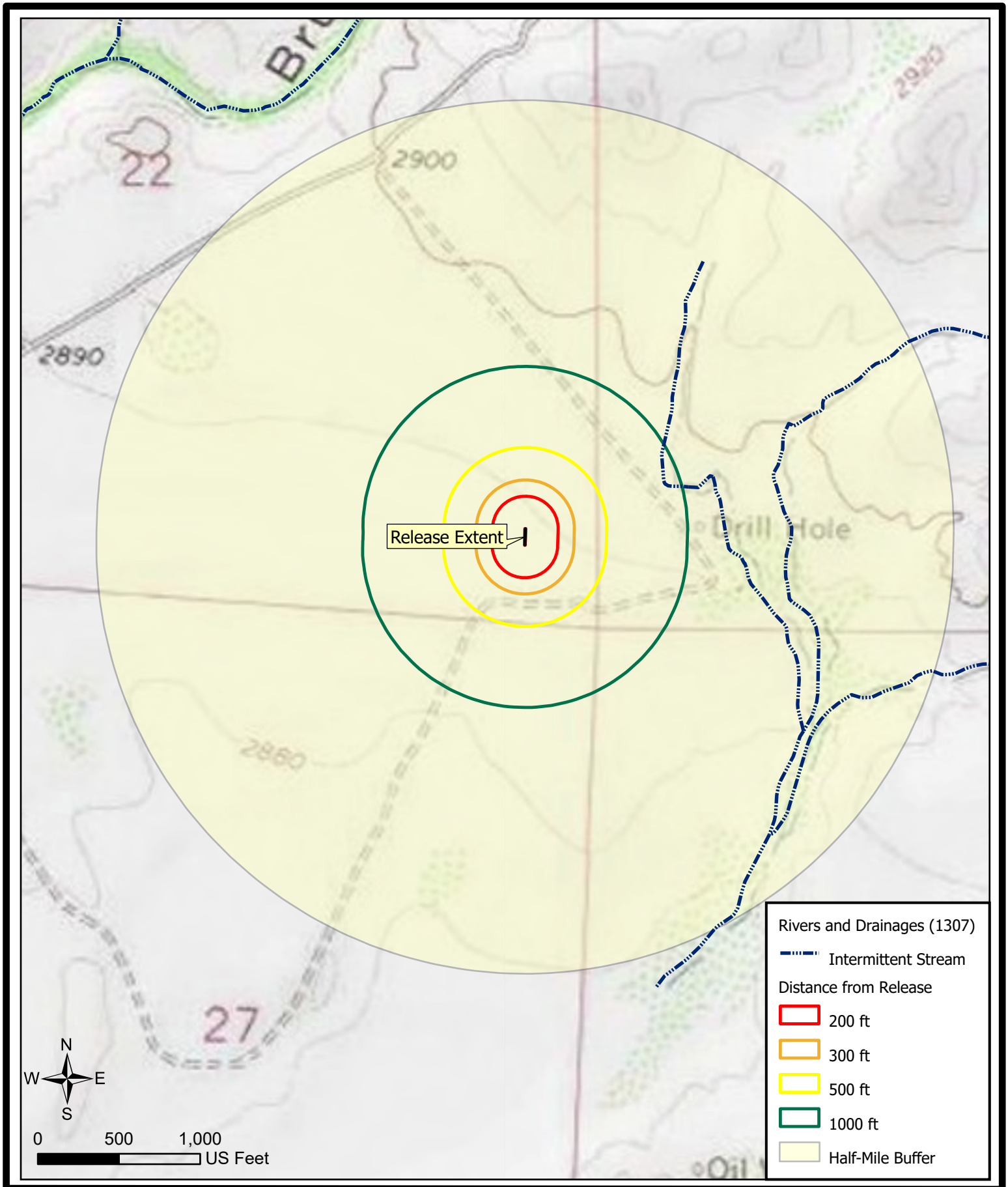
McNabb Partners, LLC Hobbs • Carlsbad • Midland	Site Map SJOC: Mobil 22 Fed North Flowline	Plate 1
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16/2023



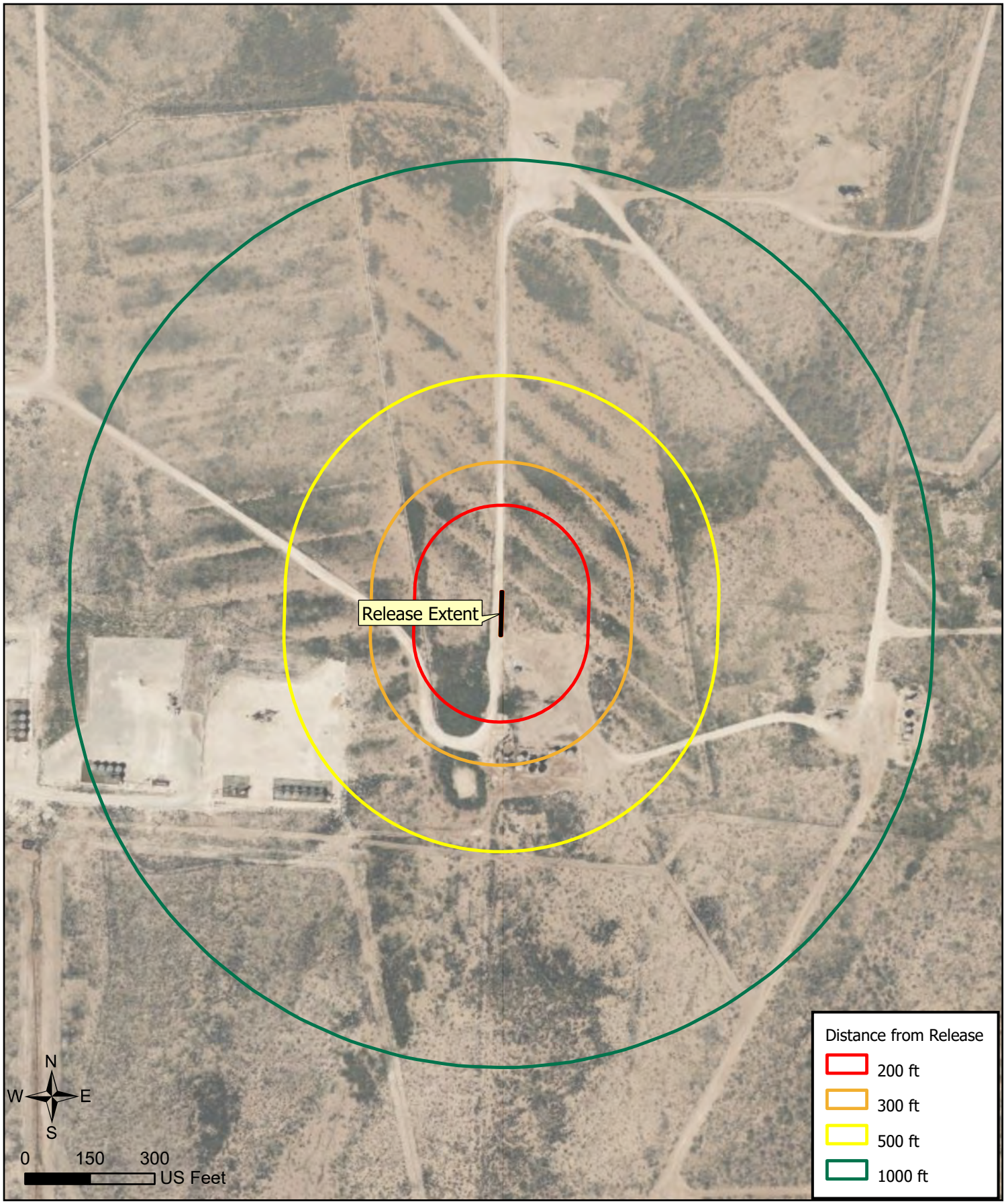
McNabb Partners, LLC Hobbs • Carlsbad • Midland	Depth to Water SJOC: Mobil 22 Fed North Flowline	Plate 2
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16/2023



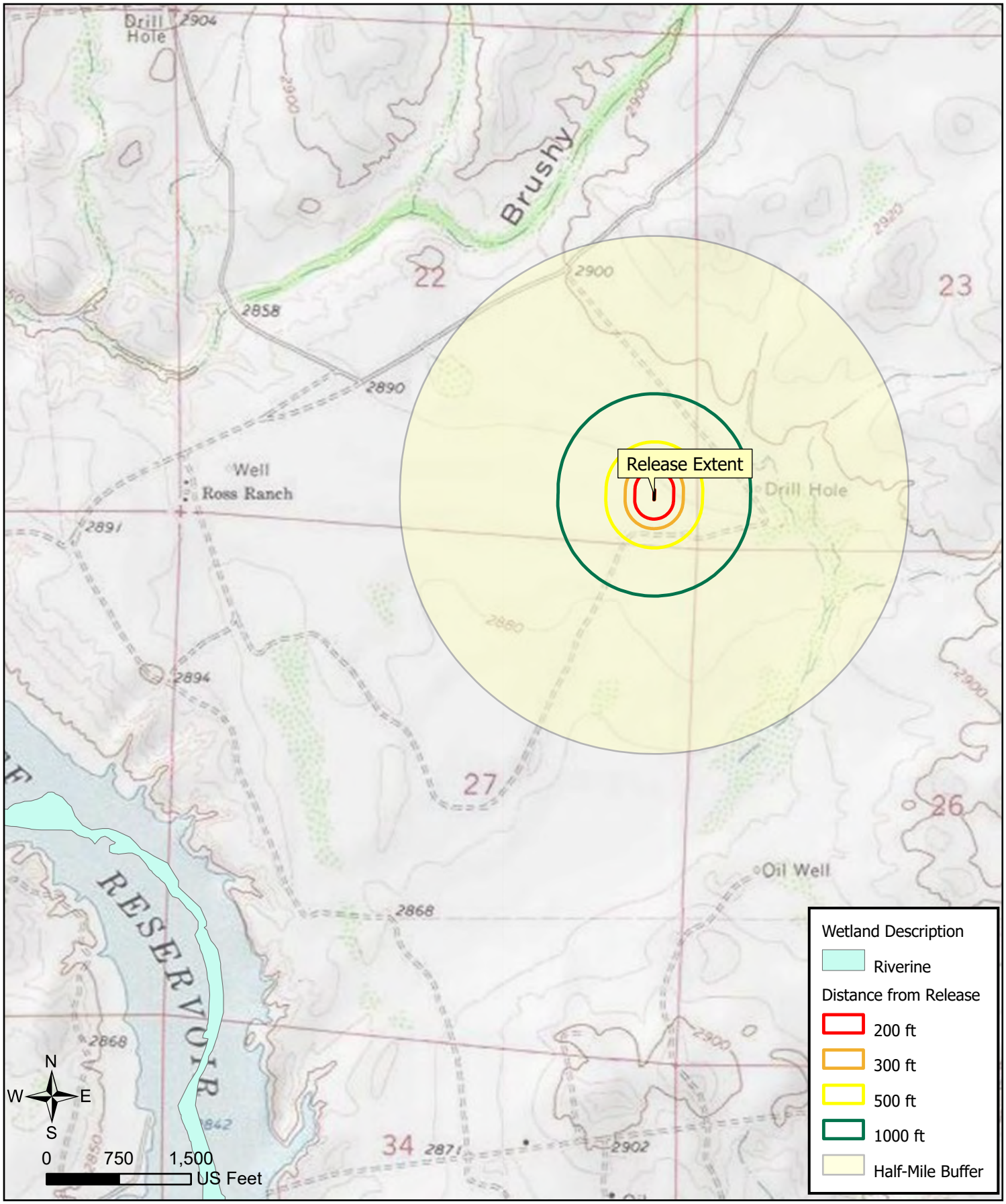
McNabb Partners, LLC Hobbs • Carlsbad • Midland	Wellhead Protection SJOC: Mobil 22 Fed North Flowline	Plate 3
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/17/2023



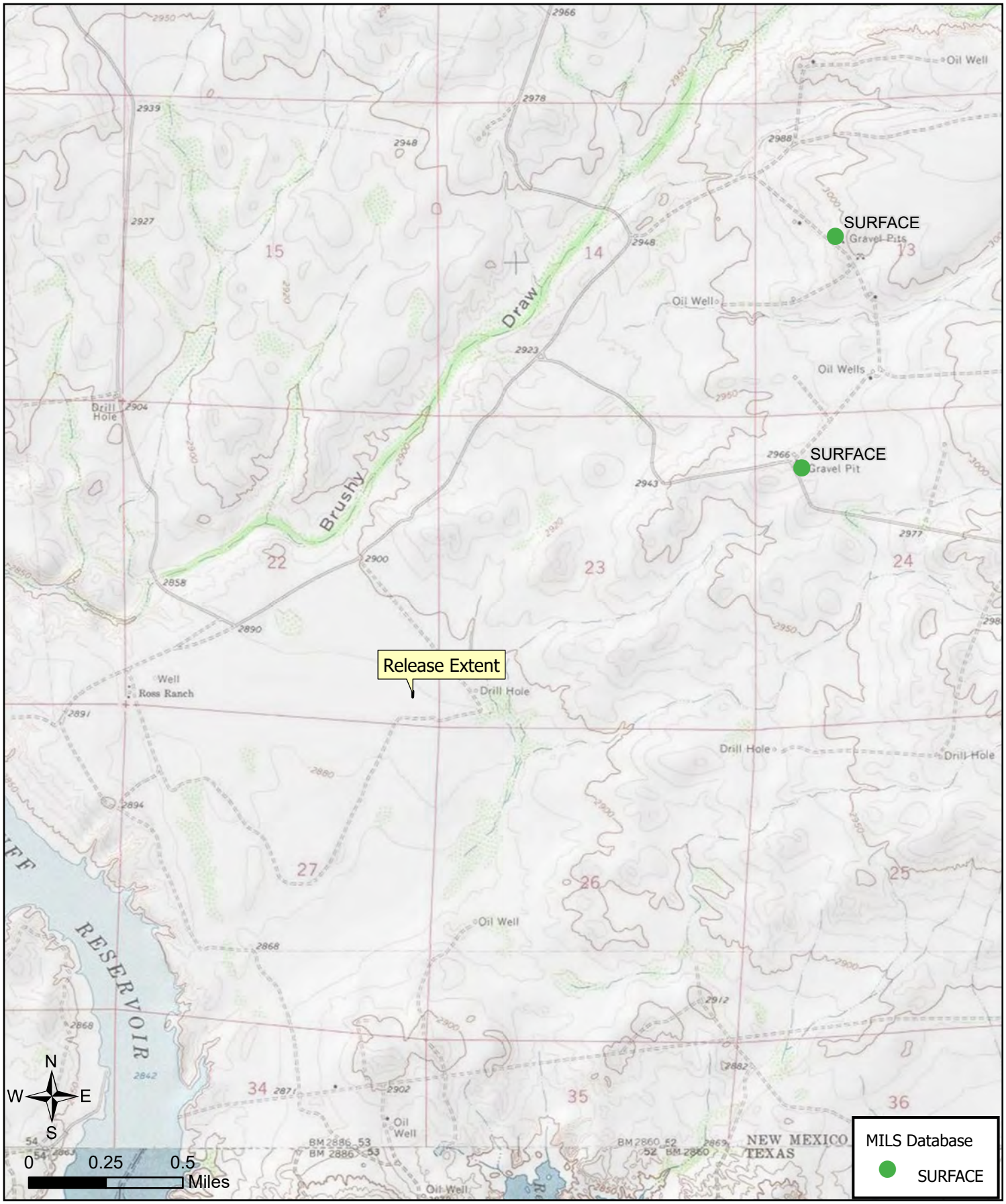
McNabb Partners, LLC Hobbs • Carlsbad • Midland	Significant Watercourses SJOC: Mobil 22 Fed North Flowline	Plate 4
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16/2023



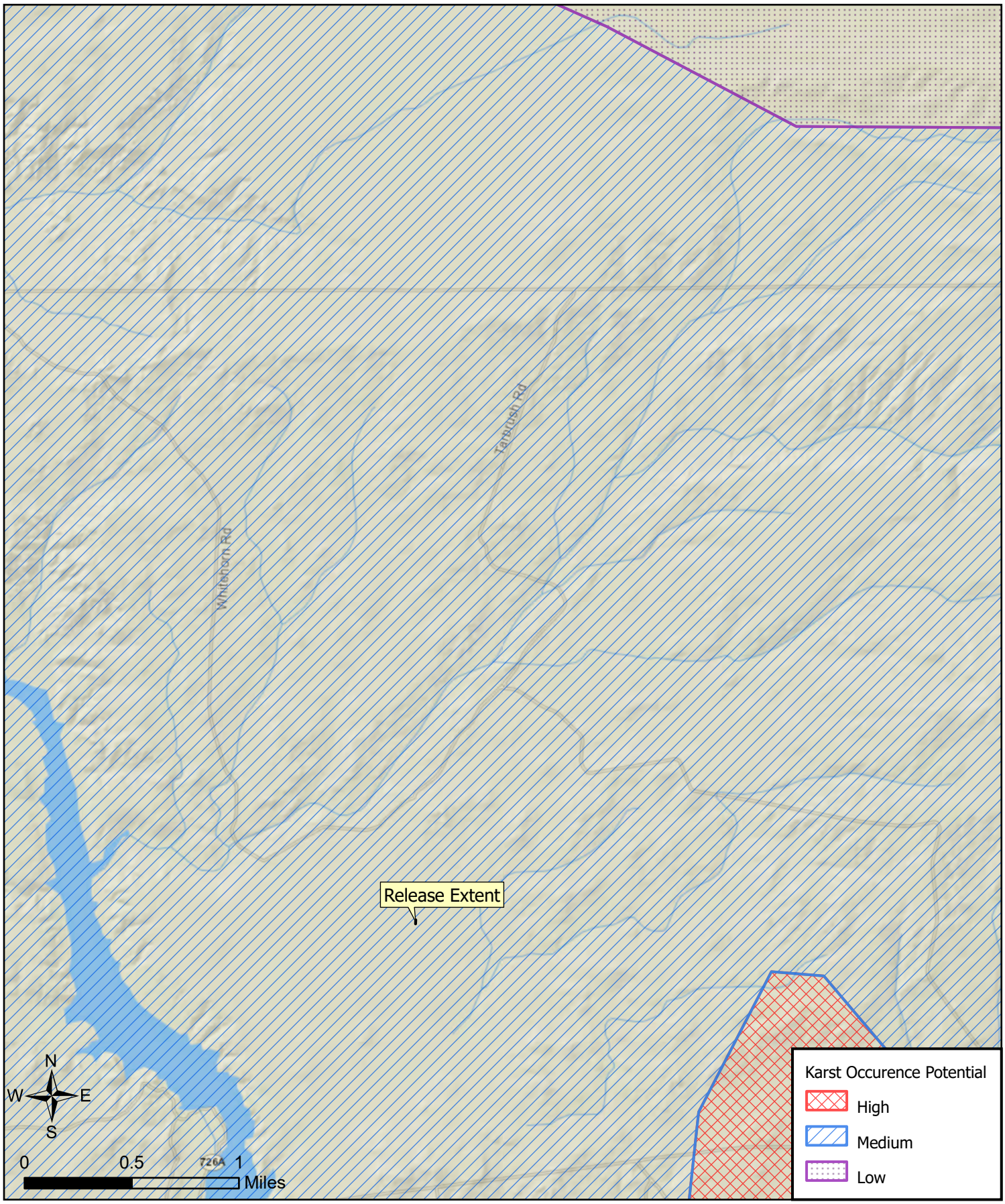
McNabb Partners, LLC Hobbs • Carlsbad • Midland	Nearby Structures SJOC: Mobil 22 Fed North Flowline	Plate 5
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16/2023



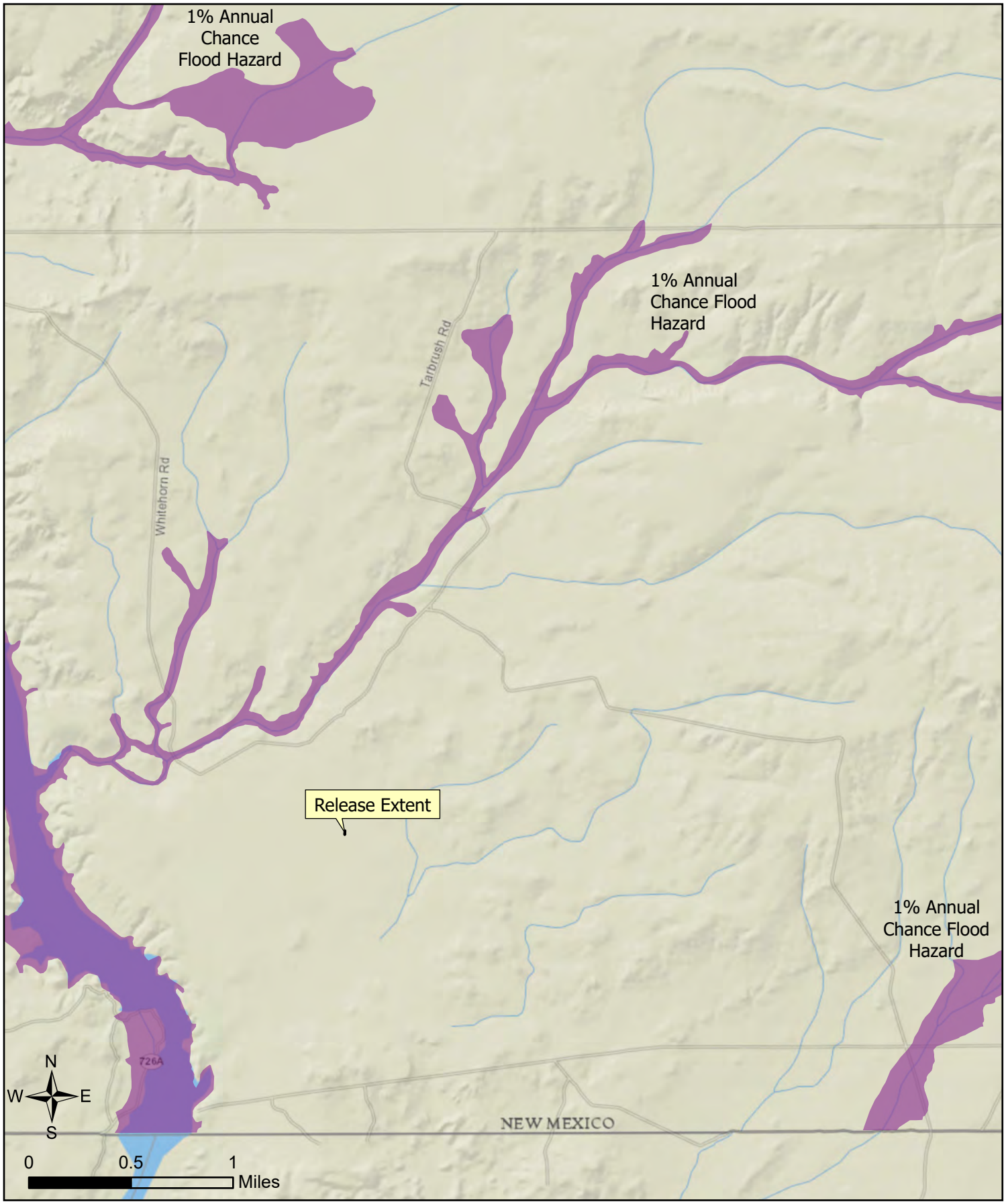
McNabb Partners, LLC Hobbs • Carlsbad • Midland	Wetlands SJOC: Mobil 22 Fed North Flowline	Plate 6
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16/2023



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Mines and Minerals SJOC: Mobil 22 Fed North Flowline	Plate 7
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16/2023



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Karst Occurrence Potential SJOC: Mobil 22 Fed North Flowline	Plate 8
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16.2023



McNabb Partners, LLC Hobbs • Carlsbad • Midland	Flood Hazard SJOC: Mobil 22 Fed North Flowline	Plate 9
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/16/2023

McNabb Partners, LLC Hobbs • Carlsbad • Midland	Base Sample Grid and Associated Square Footage SJOC: Mobil 22 Fed North Flowline	Plate 10
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/18/2023

McNabb Partners, LLC Hobbs • Carlsbad • Midland	Sample Point Locations SJOC: Mobil 22 Fed North Flowline	Plate 11
	Incident #: NAB1822243840 Prj. ID: 20180727-1300-mobil22fed	10/18/2023

Tables

October 18, 2023

Table A
Sample Point Coordinates

Incident ID: NAB1822243840
Mobil 22 Federal
Project ID: 20180727-1300-mobil22fed

Sample Point	Latitude	Longitude
GS-01	32.0215337	-103.964549
GS-01 E	32.0214929	-103.964531
GS-01 N	32.0215791	-103.964546
GS-02	32.0214542	-103.964549
GS-02 W	32.0213986	-103.964567
GS-03	32.0213469	-103.964555
GS-03 S	32.0212809	-103.964557

October 18, 2023

Table B
Summary of Analytical

Incident ID: NAB1822243840
Mobil 22 Federal
Project ID: 20180727-1300-mobil22fed

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	100	10	50			
> 4 ft or "in-use"						10000	1000	2500	10	50			
GS-01	9/26/2023	1.75			off-site	149	ND	ND	ND	ND	Hand Auger refusal	Envirotech	E309234
GS-01 E	9/26/2023		0	2	off-site	ND	ND	ND	ND	ND	Hand Auger refusal	Envirotech	E309234
GS-01 N	9/26/2023		0	2	off-site	105	ND	ND	ND	ND	Hand Auger refusal	Envirotech	E309234
GS-02	9/26/2023	1.5			off-site	34.5	ND	ND	ND	ND	Hand Auger refusal	Envirotech	E309234
GS-02 W	9/26/2023		0	2	off-site	55.8	ND	ND	ND	ND	Hand Auger refusal	Envirotech	E309234
GS-03	9/26/2023	2			off-site	675	ND	ND	ND	ND	Hand Auger refusal	Envirotech	E309234
GS-03 S	9/26/2023		0	1.75	off-site	563	ND	ND	ND	ND	Hand Auger refusal	Envirotech	E309234
Exceed Closure Criteria													

Appendix A

Communications

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1822243840 19958 RECEIVED **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company Stephens & Johnson Operating Co.	Contact Mike Kincaid
Address P O Box 2249, Wichita Falls, TX 76307	Telephone No. 940-716-5333
Facility Name Mobil "22" Federal Lease	Facility Type Oil Well Flowline

Surface Owner Ross Ranch	Mineral Owner BLM – Minerals Management	API No. 30-015-24955

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	22	26S	29E	500	South	470	East	Eddy

Latitude 32.0215687 **Longitude** -103.9645668 NAD83

NATURE OF RELEASE

Type of Release Oil and Salt Water	Volume of Release 2 bbls oil, 2 bbls salt water	Volume Recovered None
Source of Release Oil Well Flowline	Date and Hour of Occurrence 7/27/18	Date and Hour of Discovery 7/27/18
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Shelly Tucker	
By Whom? Travis Herron - Pumper	Date and Hour 7/27/18	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
AUG 06 2018
DISTRICT II-ARTESIA O.C.D.

Describe Cause of Problem and Remedial Action Taken.*

Flowline leak. Oil well shut down until flowline can be repaired.

Describe Area Affected and Cleanup Action Taken.*

The area affected is a lease road. The size of the affected area is approximately 3 feet wide and 100 feet long. Contaminated dirt has been removed.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: William M. Kincaid	OIL CONSERVATION DIVISION
Printed Name: William M. Kincaid	Approved by Environmental Specialist:
Title: Petroleum Engineer	Approval Date: 8/8/18 Expiration Date: N/A
E-mail Address: mkincaid@sjoc.net	Conditions of Approval: See attached Attached ☒ AP-4905
Date: 7/31/18 Phone: 940-716-5333	

* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on ___08/06/18_____ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4905 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _2__ office in Artesia_ on or before _09/06/18_____. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Andrew Parker

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Tuesday, September 19, 2023 11:30 AM
To: Andrew Parker; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Cc: Mike Kincaid; Andrew Cloutier; dwmeyer@verizon.net; Morgan, Crisha A; Zac McNabb
Subject: RE: [EXTERNAL] NAB1822243840 48-hr Confirmation Sampling Notice MOBIL "22" FEDERAL LEASE

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: Tuesday, September 19, 2023 10:11 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Mike Kincaid <MKincaid@sjoc.net>; Andrew Cloutier <ACloutier@hinklelawfirm.com>; dwmeyer@verizon.net; Morgan, Crisha A <camorgan@blm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Zac McNabb <Zac@mcnabbpartners.com>
Subject: [EXTERNAL] NAB1822243840 48-hr Confirmation Sampling Notice MOBIL "22" FEDERAL LEASE

Mr. Bratcher:

Incident Number NAB1822243840 is located along the pipeline/lease road north-northwest of the Mobile 22 Fed production site and former tank battery. Therefore, a remediation & closure report will be submitted separately from the remaining incidents referenced below.

As stated on the C-141 dated 07/31/2018, the release was remediated by the time of C-141 submission. No confirmation samples were collected. Please accept this email as the 48-hour confirmation sampling notice. The remediation extent will be sampled per 19.15.29 NMAC where each sample location shall not exceed 200 sq. ft. If confirmation sample results exhibit concentrations above Closure Criteria a remediation plan will be submitted to NMOCD for approval.

Soil sampling is anticipated to commence on Tuesday September 26th.

Incidents on active production site that will be addressed under separate cover:
nAPP2320031997
NAB1819054040 (2RP-4839)
NAB1822240516 (2RP-4909)
NMCS0331657138

Reproduced from email

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Thursday, June 15, 2023 11:07 AM

…
OCD notes the following open "Incidents" (unauthorized produced fluid releases) associated with this production site:

NMCS0331657138 *(Dated 07/16/2004)*
NAB1819054040 *(Date of discovery listed as 06/24/2018)*
NAB1822243840 *(Date of discovery listed as 07/27/2018)*
NAB1822240516 *(Date of discovery listed as 07/26/2018)*

These open incidents are to be addressed by SJOC during this investigation/remediation process.
…

Please contact me if you have any questions.

Regards,

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

Appendix B

Well Logs

Atkins
ENGINEERING ASSOCIATES INC.

2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

July 8, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4653 Pod-5-6

To whom it may concern:

Attached please find a well log & record for C-4653 POD-5-6 , and Plugging Record for C-4653 POD-6. , in duplicate. C-4653 POD 1-4 , will not be used, please note that these can be canceled.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD-5 (TW-2)	n/a	C-4653

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Stephens & Johnson Operating Co.	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
PO BOX 2249	Wichita Falls	TX	7307-2249

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	1	14.42	N
	LONGITUDE	103	57	52.42	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SE SE SE Sec. 22 T26S R29E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/26/2022	7/26/2022	Soil Boring	±72	±67

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 67.7

DATE STATIC MEASURED: 7/27/2022

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	72	±6.5	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	25	25	Sand, medium/fine grained, poorly graded, with clay, Dark Brown	Y ✓ N	
25	45	20	Sand, medium/fine grained, poorly graded, with gravel (0.25"), Tan Brown	Y ✓ N	
45	64	19	Sand, medium/fine grained, poorly graded, Tan Brown	Y ✓ N	
64	70	6	Clay, Medium Plastic, with sand and caliche, gypsum Reddish Brown, moist	✓ Y N	
70	72	62	Sand, medium/fine grained, poorly graded, with gravel (0.25-.75"), Tan Brown	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Secured soil boring with auger and hydrated bentonite, to seal the boring to the ground surface. Pending approval from New Mexico State Oil and Gas Division on completing as a monitoring well.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt, Lucas Middleton

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 8/18/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

OSE DIT AUG 18 2022 PM 2:18

WR-20 Well Record and Log-forsign

Final Audit Report 2022-08-18

Created:	2022-08-18
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAxlYfsKCP6cfmOzjy3gfvdCq3Zc7gy0wQ

"WR-20 Well Record and Log-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2022-08-18 - 5:25:02 PM GMT- IP address: 64.17.71.25

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-08-18 - 5:26:01 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2022-08-18 - 7:49:05 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-08-18 - 7:50:46 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2022-08-18 - 7:50:46 PM GMT

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD-6 (TW-1)	n/a	C-4653

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Stephens & Johnson Operating Co.	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
PO BOX 2249	Wichita Falls	TX	7307-2249

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	1	13.71	N
	LONGITUDE	103	57	52.14	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SE SE SE Sec. 22 T26S R29E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/25/2022	7/25/2022	Soil Boring	±74	±67

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 67.1

DATE STATIC MEASURED: 7/26/2022

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	74	±6.5	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	14	14	Clay, Medium Plastic, with sand and caliche, Brown	Y ✓ N	
14	30	16	Sand, medium/fine grained, poorly graded, increasing clay, Tan	Y ✓ N	
30	44	14	Clay, Medium Plastic, with sand and calchie, gypsum Reddish Brown	Y ✓ N	
44	54	10	Sand, medium/fine grained, poorly graded, with clay, Tan	Y ✓ N	
54	60	6	Clay, Stiff, Medium Plastic, with brown sand Reddish Brown	Y ✓ N	
60	64	4	Clay, Stiff, Medium Plastic, with cemented sand, Reddish Brown	Y ✓ N	
64	74	10	Clay, Low Plastic, with sand and caliche, gypsum Reddish Brown, wet	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Grouted from total depth to surface using augers as tremie Plugged using Type I/II neat cement (5.2 gallons per 94 lb. sack)

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt, Lucas Middleton

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 8/18/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

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: C-4653 POD-6

Well owner: Stephens & Johnson Operating Co. Phone No.: _____

Mailing address: PO BOX 2249

City: Wichita Falls State: Texas Zip code: 7307-2249

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): _____
Shane Eldridge

4) Date well plugging began: 7/26/2022 Date well plugging concluded: 7/26/2022

5) GPS Well Location: Latitude: 32 deg, 1 min, 13.71 sec
Longitude: 103 deg, 57 min, 52.14 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 74 ft below ground level (bgl),
by the following manner: weighted tape

7) Static water level measured at initiation of plugging: 67.1 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 7/1/2022

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):

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.)
	0-74' Neat Cement Type I/II	Approx. 135 gallons	127 gallons	Augers	

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

III. SIGNATURE:

I, Jackie D. Atkins, 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.

Jack Atkins — Signature of Well Driller

8/18/2022 — Date

Version: September 8, 2009
Page 2 of 2

OSE DIT AUG 18 2022 PM 2:10

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USGS Water Resources

Data Category: Site Information | Geographic Area: United States | GO

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- Full News

USGS 320112103574501 26S.29E.22.333242

SUMMARY OF ALL AVAILABLE DATA | GO

Well Site

DESCRIPTION:

Latitude 32°01'12", Longitude 103°57'45" NAD27
Eddy County, New Mexico , Hydrologic Unit 13070001
Well depth: not determined.
Land surface altitude: 2,892.0 feet above NGVD29.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1993-01-05	1993-01-05	1
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center
Email questions about this site to New Mexico Water Science Center Water-Data Inquiries

---

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms

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:	20180727-1300-Mobil22
Work Order:	E309234
Job Number:	23083-0001
Received:	9/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/23

Date Reported: 10/4/23

Andrew Parker
4008 N Grimes #270
Hobbs, NM 88240

Project Name: 20180727-1300-Mobil22
Workorder: E309234
Date Received: 9/29/2023 9:00:00AM

Andrew Parker,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2023 9:00:00AM, under the Project Name: 20180727-1300-Mobil22.

The analytical test results summarized in this report with the Project Name: 20180727-1300-Mobil22 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
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/04/23 10:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
GS-01N 0-2FT	E309234-01A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-01E 0-2FT	E309234-02A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-01 1.75FT	E309234-03A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-02W 0-2FT	E309234-04A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-02 1.5FT	E309234-05A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-03S 0-1.75FT	E309234-06A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.
GS-03 2FT	E309234-07A	Soil	09/26/23	09/29/23	Glass Jar, 2 oz.

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-01N 0-2FT

E309234-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**105**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-01E 0-2FT

E309234-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.2 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	ND	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-01 1.75FT

E309234-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*92.6 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**149**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-02W 0-2FT

E309234-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*96.9 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**55.8**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-02 1.5FT

E309234-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.8 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*95.0 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**34.5**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-03S 0-1.75FT

E309234-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*92.2 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**563**	20.0	1	10/02/23	10/02/23	

Sample Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

GS-03 2FT

E309234-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.6 %*	*70-130*	*09/30/23*	*09/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/30/23*	*09/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2340007
Chloride	**675**	20.0	1	10/02/23	10/02/23	

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

Volatile Organics by EPA 8021B

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 (2339120-BLK1)									Prepared: 09/30/23 Analyzed: 09/30/23
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	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2339120-BS1)									Prepared: 09/30/23 Analyzed: 09/30/23
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.1	70-130			
Toluene	4.79	0.0250	5.00		95.7	70-130			
o-Xylene	4.75	0.0250	5.00		95.0	70-130			
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2339120-MS1)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Benzene	4.64	0.0250	5.00	ND	92.9	54-133			
Ethylbenzene	4.50	0.0250	5.00	ND	90.1	61-133			
Toluene	4.67	0.0250	5.00	ND	93.4	61-130			
o-Xylene	4.61	0.0250	5.00	ND	92.2	63-131			
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike Dup (2339120-MSD1)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Benzene	4.91	0.0250	5.00	ND	98.2	54-133	5.55	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	5.34	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	5.38	20	
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	5.52	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	5.18	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131	5.29	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.9*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2339120-BLK1)									Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.95*		*8.00*		*86.9*	*70-130*			
LCS (2339120-BS2)									Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0		79.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.3*	*70-130*			
Matrix Spike (2339120-MS2)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.11*		*8.00*		*88.9*	*70-130*			
Matrix Spike Dup (2339120-MSD2)				**Source: E309234-04**					Prepared: 09/30/23 Analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	1.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.00*		*8.00*		*87.5*	*70-130*			

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

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 (2339124-BLK1)									Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*66.4*		*50.0*		*133*	*50-200*			
LCS (2339124-BS1)									Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*66.7*		*50.0*		*133*	*50-200*			
Matrix Spike (2339124-MS1)				**Source: E309239-03**					Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	38-132			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			
Matrix Spike Dup (2339124-MSD1)				**Source: E309239-03**					Prepared: 09/30/23 Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	38-132	2.60	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.3*	*50-200*			

QC Summary Data

McNabb Partners	Project Name:	20180727-1300-Mobil22	**Reported:**
4008 N Grimes #270	Project Number:	23083-0001	
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/4/2023 10:36:38AM

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 (2340007-BLK1)									Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	ND	20.0							
LCS (2340007-BS1)									Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2340007-MS1)				**Source: E309233-01**					Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	467	20.0	250	275	77.2	80-120			M2
Matrix Spike Dup (2340007-MSD1)				**Source: E309233-01**					Prepared: 10/02/23 Analyzed: 10/02/23
Chloride	502	20.0	250	275	90.8	80-120	7.06	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:	20180727-1300-Mobil22	
4008 N Grimes #270	Project Number:	23083-0001	**Reported:**
Hobbs NM, 88240	Project Manager:	Andrew Parker	10/04/23 10:36

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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 1

Client: McNabb Partners	Bill To
Project: ~~2018~~ 20180727-1300 - Mobil22	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		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E309234	23083-0001				X		
							RCRA

State: NM X | 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
10:15	9/26	Soil	1	GS-01N 0-2 FT	1							X		
11:45			1	GS-01E 0-2FT	2									
13:00				GS-01 1.75 FT	3									
11:20				GS-02W 0-2 FT	4									
13:15				GS-02 1.5 FT	5									
10:50				GS-03S 0-1.75 FT	6									
12:20				GS-03 2FT	7									

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	9/28/23	07:15	Michelle Gonzales	9-28-23	1045
Michelle Gonzales	9-28-23	1515	Kennedy Garcia	9-28-23	1515
Kennedy Garcia	9-28-23	2111		9.29.23	900
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.

envirotech

Envirotech Analytical Laboratory

Printed: 9/30/2023 11:16:15AM

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:	09/29/23 09:00	Work Order ID:	E309234
Phone:	(970) 570-9535	Date Logged In:	09/29/23 12:48	Logged In By:	Alexa Michaels
Email:	andrew@mcnabbpartners.com	Due Date:	10/05/23 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.

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CONDITIONS

Action 280817

CONDITIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 280817
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation plan approved. Submit a report via the OCD permitting portal by March 4, 2024.	10/31/2023

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QUESTIONS

Action 318988

QUESTIONS

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1822243840**
Incident Name	**NAB1822243840 MOBIL "22" FEDERAL LEASE @ 30-015-24955**
Incident Type	**Oil Release**
Incident Status	**Reclamation Report Received**
Incident Well	**[30-015-24955] MOBIL 22 FEDERAL #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MOBIL "22" FEDERAL LEASE
Date Release Discovered	07/27/2018
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
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: Equipment Failure | Flow Line - Production | Crude Oil | Released: 2 BBL | Recovered: 0 BBL | Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 2 BBL | Recovered: 0 BBL | Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: andrew@mcnabbpartners.com Date: 02/29/2024

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QUESTIONS (continued)

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	1520
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	139.5
GRO+DRO (EPA SW-846 Method 8015M)	32.1
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	01/12/2024
On what date will (or did) the final sampling or liner inspection occur	01/26/2024
On what date will (or was) the remediation complete(d)	02/09/2024
What is the estimated surface area (in square feet) that will be reclaimed	1170
What is the estimated volume (in cubic yards) that will be reclaimed	185
What is the estimated surface area (in square feet) that will be remediated	1170
What is the estimated volume (in cubic yards) that will be remediated	185
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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QUESTIONS (continued)

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	*Not answered.*
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360
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: 02/29/2024

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)

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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)

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**318937**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/26/2024**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**1170**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1170
What was the total volume (cubic yards) remediated	185
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1170
What was the total volume (in cubic yards) reclaimed	185
Summarize any additional remediation activities not included by answers (above)	Eastern extent of base grid G-04 will be further assessed with delineation/remediation of Incident ID# napp2320031997. Please refer to text.

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

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

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: andrew@mcnabbpartners.com Date: 02/29/2024

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QUESTIONS (continued)

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1170
What was the total volume of replacement material (in cubic yards) for this site	202
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	02/09/2024
Summarize any additional reclamation activities not included by answers (above)	Reclaimed to preexisting conditions as caliche road and pipeline ROW
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: andrew@mcnabbpartners.com Date: 02/29/2024

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

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

QUESTIONS (continued)

Operator: STEPHENS & JOHNSON OP CO P.O. Box 2249 Wichita Falls, TX 76307	OGRID: 19958
	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 318988

CONDITIONS

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	Action Number: 318988
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Reclamation approved. Areas not reasonably needed for production or drilling activities will still need to be revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report.	3/7/2024
amaxwell	The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/7/2024
amaxwell	OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/7/2024