

Incident ID	NAPP2102039553
District RP	
Facility ID	
Application ID	

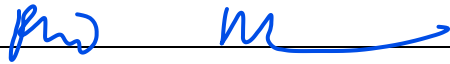
## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Robbie Runnels Title: Environmental Specialist  
 Signature:  Date: 6/8/2021  
 email: rrunnels@mewbourne.com Telephone: (575) 393-5905

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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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?	84 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 1/2-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ 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.

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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: Robbie Runnels Title: Environmental Specialist

Signature: \_\_\_\_\_ Date: 1/20/2021

email: rrunnels@mewbourne.com Telephone: (575) 393-5905

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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 Department

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

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## Release Notification

### Responsible Party

Responsible Party Mewbourne Oil Company	OGRID 14744
Contact Name Robbie Runnels	Contact Telephone 575-393-5905
Contact email rrunnels@mewbourne.com	Incident # (assigned by OCD)
Contact mailing address P.O. Box 5270, Hobbs, NM 88241	

### Location of Release Source

Latitude 32.209471

Longitude -104.222315  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Archduke 19 W2AP Fed Com #001H	Site Type: Production
Date Release Discovered 1/17/2021	API# (if applicable) 30-015-44462

Unit Letter	Section	Township	Range	County
A, I, P	19, 18	24S	27E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 200	Volume Recovered (bbls) 100
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: 4" poly produced water line failed.




State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was larger than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given to Cristina Eads on 1/20/2021 at 7:30 by email from Robbie Runnels.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: N/A
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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: <u>Robbie Runnels</u> Title: <u>Environmental Specialist</u>
Signature:  Date: <u>1/20/2021</u>
email: <u>rrunnels@mewbourne.com</u> Telephone: <u>575-393-5905</u>
<b><u>OCD Only</u></b>
Received by: <u>Ramona Marcus</u> Date: <u>1/22/2021</u>

\*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*

Location of spill: ARCHDUKE 19 W2AP FED COM #1H (32.209471, -104.222315 )  
Date of Spill: 1/17/2021

Estimated Daily Production Loss: 0 BBL Oil 200 BBL Water  
Site Soil Type: RM—Reeves-Reagan loams, 0 to 3 percent slopes

Total Area Calculations				
Total Surface Area	width	length	wet soil depth	oil (%)
Rectangle Area #1	26.0 ft	X 1,855.0 ft	X 0.0 in	0%
Rectangle Area #2	ft	ft	X in	0%
Rectangle Area #3	ft	ft	X in	0%
Rectangle Area #4	ft	ft	X in	0%
Rectangle Area #5	ft	ft	X in	0%
Rectangle Area #6	ft	ft	X in	0%
Rectangle Area #7	ft	ft	X in	0%
Rectangle Area #8	ft	ft	X in	0%

Porosity 0.250 gal per gal

Saturated Soil Volume Calculations:				
Area #1	48,230 sq. ft.	H2O	cu. ft.	oil
Area #2	0 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Area #3	0 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Area #4	0 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Area #5	0 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Area #6	0 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Area #7	0 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Area #8	0 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Total Solid/Liquid Volume:	48,230 sq. ft.	cu. ft.	cu. ft.	cu. ft.
Estimated Volumes Spilled				
Liquid in Soil:		H2O	BBL	oil
Liquid Recovered :		0.0 BBL	0.0	BBL
		100.0 BBL	0.0	BBL
Spill Liquid		100.0 BBL	0.0	BBL
Total Spill Liquid:			100.0	
Recovered Volumes				
Estimated oil recovered:		0.0 BBL		
Estimated water recovered:		100.0 BBL		

# Trinity Oilfield Services & Rentals, LLC



June 8, 2021

Oil Conservation Division, District 2  
811 South First Street,  
Artesia, New Mexico 88210

Re: **Request for Deferral and Closure**  
**Mewbourne Archduke 19 W2AP Federal 1H**  
**Tracking #: NAPP2102039553**  
**GPS: 32.209471 N, -104.222315 W**  
**Unit Letter A, Section 19, Twp.24S, R27E**

To Whom it May Concern,

Trinity Oilfield Services (Trinity), on behalf of Mewbourne Oil Company, hereby submits the following Deferral and Closure Report in response to a release that occurred at the above referenced location, and further described below.

Site Information	
Incident ID	NAPP2102039553
Site Name	Archduke 19 W2AP Federal 1H
Company	Mewbourne Oil Company
County	Eddy County, NM
ULSTR	Unit Ltr. A, Sect 19, Twp.24S, R27E
GPS Coordinates (WGS 84)	32.209471 N, -104.222315 W
Landowner	Federal and Private impact

## BACKGROUND AND RELEASE CHARACTERIZATION

On February 2, 2018, Mewbourne (MOC), discovered a release at the Archduke 19 W2AP Federal 1H battery and well site. A high-density polyethylene (HDPE) produced water line failed/ruptured resulting in a release of approximately 200 barrels (bbls) of produced water. The release affected an on-site area of the pad in the vicinity of two batteries, the production wells and the entrance to the pad location from County Road 748 (Old Cavern Highway). The release flowed off site and downslope along County Road 748 until its terminal point some 2100 feet downhill of the pad location. During the initial response actions, the produced water line was repaired, and a vacuum truck was utilized to recover approximately 100 bbls of free-standing liquid.

Release Information	
Date of Release	01/17/2021
Type of Release	Produced Water
Source of Release	4 Inch HDPE Produced Water Line
Volume Released – Produced Water	Approximately 200 bbls
Volume Recovered – Produced Water	Approximately 100 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Produced Water	0 bbls
Affected Area	Approximately 49,820 sq. ft.

## SITE INFORMATION AND CLOSURE CRITERIA

### Depth to Groundwater/Wellhead Protection:

Data Source	Well Number	Data Date	Depth
NMOSE	C 01169	Unknown	35 ft.
NMOSE	C 00929	06/07/60	33 ft.
USGS	N/A	N/A	N/A

A search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted to determine the average depth to groundwater within a one (1) mile radius of the release site and to see if there are any registered water wells within a one-half (1/2) mile radius of the impacted area. A NMOSE well (C 01169) is located slightly less than a mile (approximately 5,056 feet) northwest of the release site with a reported depth to groundwater of 35 feet below ground surface (bgs). There is no POD information provided for this well. The nearest well with POD information (C 00929) is over a mile (5,457 feet) distant. The depth to groundwater is reported as 33 feet bgs in the well. Both wells are to the west of the release area at a lower topographic elevation and nearby the Black River. There is no known groundwater information within one-half mile of the impacted area.

### General Site Characterization and Distance to Nearest Significant Watercourse:

Site Characterization	Distance to Nearest Watercourse
Medium Karst	2,000 feet

A risk-based evaluation and site determinations were performed in accordance with the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). According to the site characterization evaluation, the affected area has medium potential for cave and karst, and no other receptors (water wells, playas, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site. A ranking score of 20 was assigned to the site.

### Closure Criteria:

Recommended Remedial Action Levels (RRALs)	
Chlorides	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
Benzene	10 mg/kg
BTEX	50 mg/kg

## DELINEATION AND REMEDIATION ACTIVITIES

### Initial Sample Activities:

Delineation Summary	
Delineation Dates	2/1/2020 – 2/5/2020
Sample Locations	See below (54 Areas)
Total Initial Samples	179
Depths Sampled	Surface to 12 feet bgs
Map	Figure 3
Laboratory Results	Table 1

A total of fifty-four (54) delineation sample locations (SP1 - SP44, UB 222 – 226, UB-231, UB-234, UB-237, UB-240 and UB-243) were investigated using a hand auger or backhoe, to depths ranging between 2 and 12 ft bgs. A total of one-hundred seventy-nine (179) samples were collected during the delineation of the site.

**Confirmation Sampling Activities:**

Remediation Summary	
Remediation Dates	2/11/2021 – 4/23/2021
Liner Variance Request	None
Deferral Request - Facility Deconstruction Variance	Yes
NMOCD Confirmation Sample Notification	02/10/2021 @ 1620 to M. Bratcher
Confirmation Sample Area	200 Sq. Ft.
Confirmation Samples	Pad Floor & Wall, Pasture Floor & Wall
Total Confirmation Samples	548
Depths Excavated	Minimum of 4 ft to a maximum of 12 ft.
Total Cubic Yards Disposed	7,502 Cubic Yards

Impacted soil within the release perimeter were excavated “at risk” based on field chloride titration data to protect the Black River from the consequences of a pending precipitation event. Notification for the “at risk” excavation was given directly to Mike Bratcher of NMOCD on February 10, 2021, at 4:20 PM. A 200 square foot grid (10 ft. x 20 ft.) was superimposed over the release area using ArcGIS mapping technology. The initial excavation was performed in the west drainage ditch of the north-south trending County Road 748. Excavation began downslope at the terminal end of the impacted area and advanced upslope towards the source area of the release. During the initial excavation, impacted soil was loaded directly onto trucks and transported to R-360 Red Bluff The floor and sidewalls of the excavated ditch area were advanced vertically and laterally until field titration indicated chloride concentrations were below the strictest 19.15.29.12 Table 1 - New Mexico Administrative Code Closure Criteria (NMAC Table 1) of 600 mg/kg for areas where depth to groundwater is 50 feet bgs or less. The road ditch was backfilled with locally sourced materials concurrently with the excavation to minimize the hazard to traffic on the county road. An aliquot of each sample titrated in the field was sent to the laboratory for analysis of chloride, Benzene Toluene Ethylbenzene and Xylenes (BTEX) and Total Petroleum Hydrocarbons (TPH) to verify that the assigned grid area had been remediated to the strictest NMAC Table 1 criteria. Only one area of the road ditch (GA-65 through 69) had to be re-excavated to achieve final delineation of the site. Vertical delineation in the GA-65 through 69 area was advanced 11 to 12 feet to achieve vertical delineation. Approximately 7502 cubic yards of impacted soils were transported under manifest to an approved disposal facility; R-360 Red Bluff Permit # STF-065 (Texas).

Using the 200 sq. ft. map grid areas, a total of five hundred forty-eight (548) confirmation floor and associated wall soil samples, under battery Delineation Samples and Wall Comp samples were collected from the off-site road ditch and on-site pad areas. The “grid area” (GA) designated samples were 5-point composites of a “grid area” floor or an associated wall to the specific grid area. All “under battery” (UB) delineation samples were collected by hand auguring horizontally to the extent practicable (3 to 5 feet) through soils under the battery to delineate areas that could not be excavated without a major facility deconstruction. A deferral is requested below for the UB delineated locations. Both “Well Comp” wall and floor samples were collected to the extent practicable on the pad area at the tin horns surrounding the two well heads. The Well Comp samples are believed to be representative of the soil surrounding the tin horns. Again, soils in the “tin horn” areas could not be fully excavated due to facility deconstruction issues and a deferral is requested for the soils remaining at the well head tin horns.

All soil samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to NMOCD-approved laboratories [Hall Laboratories of Albuquerque, NM for analysis for total chloride using EPA Method 300.0; BTEX using EPA Method 8021 B; TPH including motor oil and diesel range organics (MRO and DRO) by EPA Method 8015M/D and gasoline range organics (GRO) by EPA Method 8015 D] or Cardinal Laboratories of Hobbs, NM for the analysis of chloride using EPA Method SM4500Cl-B, BTEX by EPA Method 8021 B and TPH constituents by EPA 8015M.

Upon receiving laboratory data for the grid area samples and verifying that the soils in-situ within the excavated grid areas yielded laboratory results below the NMAC Table 1 criteria where depth to groundwater is less than or equal to 50 feet bgs, the pad excavation area was backfilled with locally sourced, non-impacted caliche.

## SITE RECLAMATION AND RESTORATION

Areas affected by the Release and associated remediation activities were substantially restored to a condition which existed prior to the Release to the extent practicable. Excavated areas were backfilled with locally sourced, non-impacted "like" material. The affected area was contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with the applicable areal mixture during the first favorable growing season following closure of the site in accordance with the applicable regulatory agency.

## DEFERRAL AND CLOSURE REQUEST

Trinity, on behalf of Mewbourne Oil Company, is requesting deferrals of remediation on areas of the pad surrounding the two well heads (Well Comp sample areas 1 & 2) and UB (grid areas 222 through 226, plus grid areas 231, 234, 237, 240 & 243). The listed areas have been delineated to the extent practicable. **Further excavation in the vicinity of these production equipment areas would require a major facility deconstruction.** A deferral is requested for the areas specified above until the equipment is removed in "other operations at the end of the facility's useful life, or when the wells are plugged, and the facility is abandoned". Final remediation and reclamation will take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil or gas operations.

The Archduke 19 W2AP Federal 1H site has been remediated to meet the strictest standards of Table I of 19.15.29.12 NMAC. Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant closure approval for the Mewbourne Archduke 19 W2AP Federal 1H produced water release that occurred on January 17, 2021 (Tracking # nAPP2102039553).

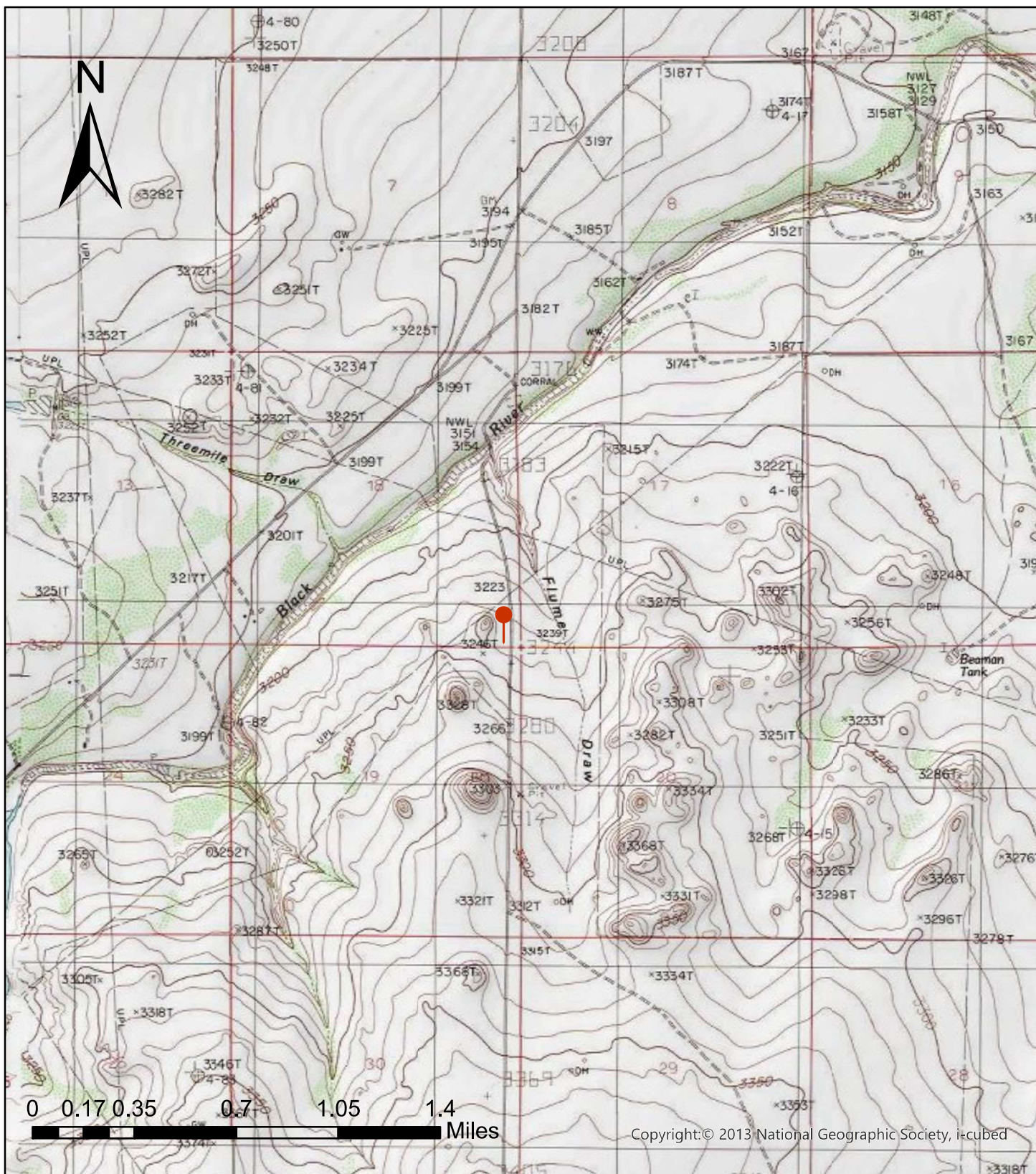
Supporting Documentation	
Initial C-141 with Spill Calculations	Signed and Attached
C-141, page 6	Signed and Attached
Depth to Groundwater Maps and Source	Attached
Delineation & Remediation Maps	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

Should you have any questions or concerns regarding the content of this Deferral and Closure Request, please do not hesitate to contact me.

Sincerely,

John P. Farrell P.G.  
Project Manager





**Legend:**

 Site Location

**Figure 1**  
**Site Location Map**  
**Mewbourne Oil Company**  
**Archduke 19 W2 AP FED COM #001H**  
**Eddy County, New Mexico**  
**NMOCD Reference # nAPP2102039553**



Trinity Oilfield Services & Rentals, LLC  
P.O. Box 2587  
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:  
2/16/2021

1 inch equals 2,500  
feet

**Figure 2**  
**CLOSURE CRITERIA JUSTIFICATION**

**MEWBOURNE OIL COMPANY**  
**ARCHDUKE 19 W2AP FED COM #001H**  
**EDDY COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: nAPP2102039553**



Groundwater, Water Wells & Other Water Sources	
Depth to groundwater (ft)?	Estimated at 84 ft but treated as less than 50 ft
Horizontal distance (ft) from all water sources within 0.5 miles?	N/A
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No
Within 1000' of any fresh water well or spring?	No
Surface Water	
Horizontal distance (ft) to nearest significant watercourse?	>1,000
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No
Within 200' of any lakebed, sinkhole or playa lake?	No
Human-Occupied, Environmental & Other Areas	
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No
Within 300' of an occupied permanent residence, school, hospital, institution or church?	No
Within 300' of a wetland?	No
Within the area overlying a subsurface mine?	No
Within an unstable area?	No
Within a 100-year floodplain?	No

Closure Criteria (mg/kg)*			
Benzene	BTEX	TPH (GRO + DRO + MRO)	Chloride
10	50	100	600

\*Numerical limits or natural background level, whichever is greater

**Note:** Due to the location of the Black River Tributary to the Pecos River approximately 2,000 feet to the north, along the County Road 748 ditch line, Mewbourne directed Trinity to remediate the site to the strictest Table 1 Criteria (Depth to Groundwater less than or equal to 50 ft. below surface).





#### Legend:

- Half Mile Buffer
- Site Location
- USGS Groundwater Eddy
- NMOSE Water Table Depth

**Figure 3**  
**Depth to Groundwater Map**  
**Mewbourne Oil Company**  
**Archduke 19 W2 AP FED COM #001H**  
**Eddy County, New Mexico**  
**NMOCD Reference # nAPP2102039553**



Trinity Oilfield Services & Rentals, LLC  
P.O. Box 2587  
Hobbs, NM 88241

Drawn By: DCD







Checked By: JEH

Current Time:  
2/16/2021

1 inch equals 1,667  
feet



**Legend:**

-  Site Location
-  FEMA 100 Yr Flood Zones
-  Half Mile Buffer
-  1000 ft. Buffer
-  USGS Groundwater Eddy
-  NMOSE Water Table Depth

**Figure 4**  
**Wellhead Protection Area Map**  
**Mewbourne Oil Company**  
**Archduke 19 W2 AP FED COM #001H**  
**Eddy County, New Mexico**  
**NMOCD Reference # nAPP2102039553**



Trinity Oilfield Services & Rentals, LLC  
P.O. Box 2587  
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:  
2/16/2021

1 inch equals 1,667 feet
--------------------------

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)			
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
SP-1 North Wall	1'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-1 Surface	Surface	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	1,402	ND	1,402	990	ND	
SP-1 SP-1 @ 2'	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-1 W. Wall	1'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-1 E. Wall	1'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-2 @ Surface	Surface	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,000	ND	
SP-2 @ 2'	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-2 E. Wall	1'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-2 W. Wall	1'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-3 @ Surface	Surface	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	18	ND	18	1,200	ND	
SP-3 @ 4'	4'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-3 W. Wall	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-3 E. Wall	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-4 @ Surface	Surface	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	22	ND	22	1,000	ND	
SP-4 @ 2'	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-4 E. Wall	1'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-4 W. Wall	1'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-5 @ Surface	Surface	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	ND	
SP-5 @ 4'	4'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-5 E. Wall	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-5 W. Wall	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-6 @ Surface	Surface	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	18	ND	18	15,000	ND	
SP-6 @ 4'	4'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-6 E. Wall	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-6 W. Wall	2'	2/1/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit



TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
SP-7 @ Surface	Surface	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15,000	
SP-7 @ 3'	3'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	16	ND	16	ND	ND	
SP-7 E. Wall	1.5'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-7 W. Wall	1.5'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-8 @ Surface	Surface	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	14	ND	14	ND	19,000	
SP-8 @ 2'	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-8 E. Wall	1'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-8 W. Wall	1'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-9 @ Surface	Surface	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	35	ND	35	ND	15,000	
SP-9 @ 4'	4'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-9 E. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-9 W. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-10 @ Surface	Surface	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	32	ND	32	ND	16,000	
SP-10 @ 5'	5'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-10 E. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-10 W. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-11 @ Surface	Surface	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27,000	
SP-11 @ 4'	4'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-11 E. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-11 W. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-12 @ Surface	Surface	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	13	ND	13	ND	22,000	
SP-12 @ 4'	4'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-12 E. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-12 W. Wall	2'	21/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY  
ARCHDUKE 19 W2AP FEDERAL 001H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)			
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
SP-13 @ Surface	Surface	2/2/2021	Grab	In-Situ	ND	ND	0.082	ND	0.082	62	480	310	852	ND		
SP-13 @ 4'	4'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	23,000		
SP-13 E. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-13 W. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-14 @ Surface	Surface	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-14 @ 4'	4'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	16,000		
SP-14 E. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-14 W. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-15 @ Surface	Surface	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	6.6	35	72	114	ND		
SP-15 @ 4'	4'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,000		
SP-15 E. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-15 W. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-16 @ Surface	Surface	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,600		
SP-16 @ 4'	4'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-16 E. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-16 W. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-17 @ Surface	Surface	2/2/2021	Grab	In-Situ	ND	0.19	0.46	3.5	4.15	390	460	170	1,020	24,000		
SP-17 @ 5'	5'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-17 E. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	9.4	ND	9	ND		
SP-17 W. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-18 @ Surface	Surface	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	29	120	130	279	16,000		
SP-18 @ 5'	5'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-18 E. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-18 W. Wall	2'	2/2/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
SP-19 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	63	58	121	18,000		
SP-19 @ 5'	5'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-19 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-19 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-20 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	36	310	210	556	14,000		
SP-20 @ 10'	10'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100		
SP-20 @ 11'	11'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16		
SP-20 @ 12'	12'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-20 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-20 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-21 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	0.11	0.66	0.77	100	800	230	1,130	15,000		
SP-21 @ 4'	4'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-21 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-21 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-22 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	17,000		
SP-22 @ 10'	10'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100		
SP-22 @ 11'	11'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-22 @ 12'	12'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-22 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-22 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-23 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	10	76	120	206	11,000		
SP-23 @ 10'	10'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	960		
SP-23 @ 11'	11'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-23 @ 12'	12'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-23 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
SP-23 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-24 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	52	570	340	962	25,000		
SP-24 @ 10'	10'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	990		
SP-24 @ 11'	11'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-24 @ 12'	12'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-24 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	98		
SP-24 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	98		
SP-25 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	18,000		
SP-25 @ 5'	5'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	930		
SP-25 @ 6'	6'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16		
SP-25 @ 7'	7'	4/22/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
SP-25 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-25 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-26 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	91	160	83	334	11,000		
SP-26 @ 4'	4'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-26 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-26 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-27 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	130	110	240	19,000		
SP-27 @ 4'	4'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-27 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-27 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-28 @ Surface	Surface	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	18,000		
SP-28 @ 4'	4'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-28 E. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SP-28 W. Wall	2'	2/3/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	NE	100	600	
SP-29 @ Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18,000	
SP-29 @ 4'	4'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-29 E. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	16	ND	ND	16	ND	ND	
SP-29 W. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	16	ND	16	ND	ND	
SP-29 S. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-30 @ Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	53	120	173		3,400	
SP-30 @ 4'	4'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-30 E. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-30 S. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-31 @ Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	79	55	134		8,200	
SP-31 @ 4'	4'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-31 S. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-32 @ Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	27	ND	27		7,900	
SP-32 @ 4'	4'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	
SP-32 N. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-33 @ Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	400	340	740		13,000	
SP-33 @ 4'	4'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-33 E. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-33 S. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-34 @ Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	63	240	303		2,200	
SP-34 @ 4'	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	16	ND	16		ND	
SP-34 N. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	11	ND	11		ND	
SP-34 W. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit



TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	NE	100	600	
SP-35 @ Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	80	320	400	2,300		
SP-35 @ 4'	4'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-35 W. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-36 Surface	Surface	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	92	75	167	4,800		
SP-36 @ 4'	4'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-36 S. Wall	2'	2/4/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-37 Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	25	ND	25	3,600		
SP-37 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-38 @ Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	850	930	1,780	1,100		
SP-38 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-38 W. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-39 @ Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	15	ND	15	4,800		
SP-39 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND	ND	
SP-39 W. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-39 N. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	13	ND	13	ND	ND	
SP-40 @ Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	37	ND	37	8,300		
SP-40 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-40 N. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-41 Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	180	ND	180	14,000		
SP-41 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-41 N. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-41 E. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-41 W. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	NE	100	600	
SP-42 @ Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	4,600	ND	4,600	ND	6,400	
SP-42 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-42 E. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-43 @ Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	3,100	820	3,920	ND	26,000	
SP-43 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-43 E. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-44 @ Surface	Surface	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	7,800	990	8,790	ND	19,000	
SP-44 @ 4'	4'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-44 E. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP-44 S. Wall	2'	2/5/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-1 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	
GA-1 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	
GA-1 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-1 North Comp	2'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
GA-2 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	
GA-2 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	
GA-2 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-3 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	460	
GA-3 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	
GA-3 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	
GA-4 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75	
GA-4 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	79	
GA-4 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	
GA-5 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-5 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-5 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-6 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-6 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-6 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-7 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-7 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-7 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-8 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-8 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-8 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	9.3	ND	9.3	ND	ND	
GA-9 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-9 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-9 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND S	ND S	ND	ND	
GA-10 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-10 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-10 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND S	ND S	ND	ND	
GA-11 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-11 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-11 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-12 Floor Comp	Floor @ 4'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-12 East Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-12 West Wall Comp	2'	2/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-13 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-13 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-13 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-14 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-14 East Wall Comp	Floor @ 4'	3/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	ND	
GA-14 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-15 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-15 East Wall Comp	Floor @ 4'	3/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	160	ND	
GA-15 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M				EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600	
GA-15 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-16 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-16 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-16 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-17 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-17 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-17 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-18 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-18 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	9.4 S	ND S	9.4 S	ND	
GA-18 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-19 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-19 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-19 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-20 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-20 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-20 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-21 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-21 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-21 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-22 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-22 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-22 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-23 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-23 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-23 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-24 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-24 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-24 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-25 Floor Comp	Floor @ 4'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-25 East Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY  
ARCHDUKE 19 W2AP FEDERAL 001H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-25 West Wall Comp	2'	2/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-26 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	41	ND	41		
GA-26 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-26 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-27 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-27 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND S	ND S	ND S	ND S	ND	ND S	ND	ND	ND	ND		
GA-27 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-28 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-28 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-28 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-29 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-29 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-29 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-30 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-30 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-30 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-31 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-31 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-31 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-32 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-32 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-32 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-33 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-33 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-33 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-34 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-34 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-34 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-34 South Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-35 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)			
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-35 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-35 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-36 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-36 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-36 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-37 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-37 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-37 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-38 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-38 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-38 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-39 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-39 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-39 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-40 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-40 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-40 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-41 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-41 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-41 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-42 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-42 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-42 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-43 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-43 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-43 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-44 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-44 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-44 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-45 Floor Comp	Floor @ 4'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit



TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M				EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)	
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600	
GA-45 East Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-45 West Wall Comp	2'	2/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-46 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-46 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-46 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-47 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-47 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-47 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-48 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-48 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-48 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-49 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-49 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-49 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-50 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-50 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-50 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-51 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-51 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-51 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-52 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-52 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-52 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-53 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-53 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-53 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-54 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	41	76	117	ND
GA-54 Floor Comp	Floor @ 4'	3/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
GA-54 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-54 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M				EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)	
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600	
GA-55 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-55 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-55 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-56 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-56 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND S	ND	ND	ND	ND	
GA-56 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND S	ND	ND	ND	ND	
GA-57 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND S	14	ND	14	ND	
GA-57 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-57 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-58 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-58 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	
GA-58 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	
GA-59 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-59 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-59 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-60 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-60 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-60 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-61 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-61 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-61 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-62 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-62 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-62 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-63 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-63 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-63 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-64 Floor Comp	Floor @ 4'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-64 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-64 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit



TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-65 Floor Comp	Floor @ 8'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-65 East Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-65 West Wall Comp	2'	2/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND S	ND	ND	ND	ND		
GA-66 Floor Comp	Floor @ 8'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-66 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-66 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-67 Floor Comp	Floor @ 8'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-67 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-67 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-68 Floor Comp	Floor @ 8'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-68 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-68 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-69 Floor Comp	Floor @ 8'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-69 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-69 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-69 South Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-70 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-70 North Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16		
GA-70 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-70 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-71 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-71 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-71 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-72 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-72 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-72 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-73 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-73 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-73 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-74 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

**TABLE 1**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

MEWBOURNE OIL COMPANY  
ARCHDUKE 19 W2AP FEDERAL 001H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M				EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)	
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600	
GA-74 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-74 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-75 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-75 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-75 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	
GA-76 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-76 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-76 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-77 Floor Comp	Floor @ 4'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-77 East Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-77 West Wall Comp	2'	2/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-78 Floor Comp	Floor @ 4'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-78 East Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-78 West Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-79 Floor Comp	Floor @ 4'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-79 East Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-79 West Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-80 Floor Comp	Floor @ 4'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-80 East Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-80 West Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-81 Floor Comp	Floor @ 4'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-81 East Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-81 West Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-82 Floor Comp	Floor @ 4'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-82 East Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-82 West Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-83 Floor Comp	Floor @ 4'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-83 East Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-83 West Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-84 Floor Comp	Floor @ 4'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NE = Not Established  
ND = Not Detected  
Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M				EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)	
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600	
GA-84 East Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-84 West Wall Comp	2'	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-85 Floor Comp	Floor @ 6"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-85 East Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-85 West Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	ND
GA-86 Floor Comp	Floor @ 6"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-86 East Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-86 West Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-87 Floor Comp	Floor @ 6"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-87 East Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-87 West Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-88 Floor Comp	Floor @ 6"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-88 East Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-88 West Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-89 Floor Comp	Floor @ 6"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-89 East Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-89 West Wall Comp	3"	2/23/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-90 Floor Comp	Floor @ 6"	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-90 East Wall Comp	3"	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-90 West Wall Comp	3"	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-90 South Wall Comp	3"	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-91 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	ND
GA-91 West Wall Comp	2'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-92 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-93 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-94 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-95 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-96 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-96 West Wall Comp	2'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	ND
GA-97 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

## CONCENTRATIONS OF BENZENE, BTEX, TPH &amp; CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-97 West Wall Comp	2'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-98 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-99 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-100 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-101 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-102 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-103 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-104 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-104 West Wall Comp	2'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-105 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-106 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-107 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-108 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-109 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-109 West Wall Comp	2'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-109 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-110 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-110 West Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-111 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-112 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-113 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-113 West Wall Comp	2'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-114 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-115 Floor Comp	Floor @ 4'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-115 West Wall Comp	2'	2/24/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-116 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-117 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-118 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-119 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-120 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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