

CARMONA RESOURCES



## SITE INFORMATION

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**Revised Closure Report  
Ophelia 27 CTB - #501H  
Lea County, New Mexico  
Unit G Sec 27 T26S R33E  
32.0151°, -103.5570°**

**Produced Water Release  
Point of Release: Polyline Rupture  
Release Date: 07/19/15  
Volume Released: 250 Barrels of Produced Water  
Volume Recovered: 200 Barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:  
EOG Resources  
5509 Champions Drive  
Midland, TX 79706**

**Prepared by:  
Carmona Resources, LLC  
310 West Wall Street  
Suite 500  
Midland, Texas 79701**

310 West Wall Street, Suite 500  
Midland TX, 79701  
432.813.1992

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January 19, 2023

New Mexico Oil Conservation Division  
1220 South St, Francis Drive  
Santa Fe, NM 87505

**Re: Revised Closure Report  
Ophelia 27 CTB - #501H  
EOG Resources Inc.  
Site Location: Unit G, S27, T26S, R33E  
(Lat 32.0151°, Long -103.5570°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site activities at the Ophelia 27 CTB - #501H. The site is located at 32.0151°, -103.5570° within Unit G, S27, T26S, R33E, in Lea County, New Mexico (Figures 1 and 2).

### **1.0 Site information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 19, 2015, caused by an over-pressurized polyline rupture. It released approximately two hundred and fifty (250) barrels of produced water, and approximately two hundred (200) barrels of produced water were recovered. The impacted area occurred on the pad and migrated into the pasture. The impacted area measured approximately 235'x35', shown in Figure 3. The initial C-141 form is attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 0.16 miles North of the site in S27, T26S, R33E and was drilled in 1981. The well has a reported depth to groundwater of 80.17' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 10,000 mg/kg.

### **4.0 Site Assessment Activities**

#### **Initial Assessment**

On March 2, 2021, a third-party company performed site assessment activities to evaluate soil impacts

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432.813.1992



stemming from the release. A total of six (6) sample points (S-1 through S-6) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 1.5 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3. Refer to Table 1.

On January 4, 2023, Carmona Resources, LLC personnel were on-site to recollect one horizontal sample (located off the pad) at H-4; the sample was installed 0.5 ft below the surface. Due to the progression and time, the hydrocarbon attenuated naturally. This sample was re-collected regarding a denial from the NMOCD on December 29, 2022. The soil sample was collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4,500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3.

### **5.0 Conclusions**

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

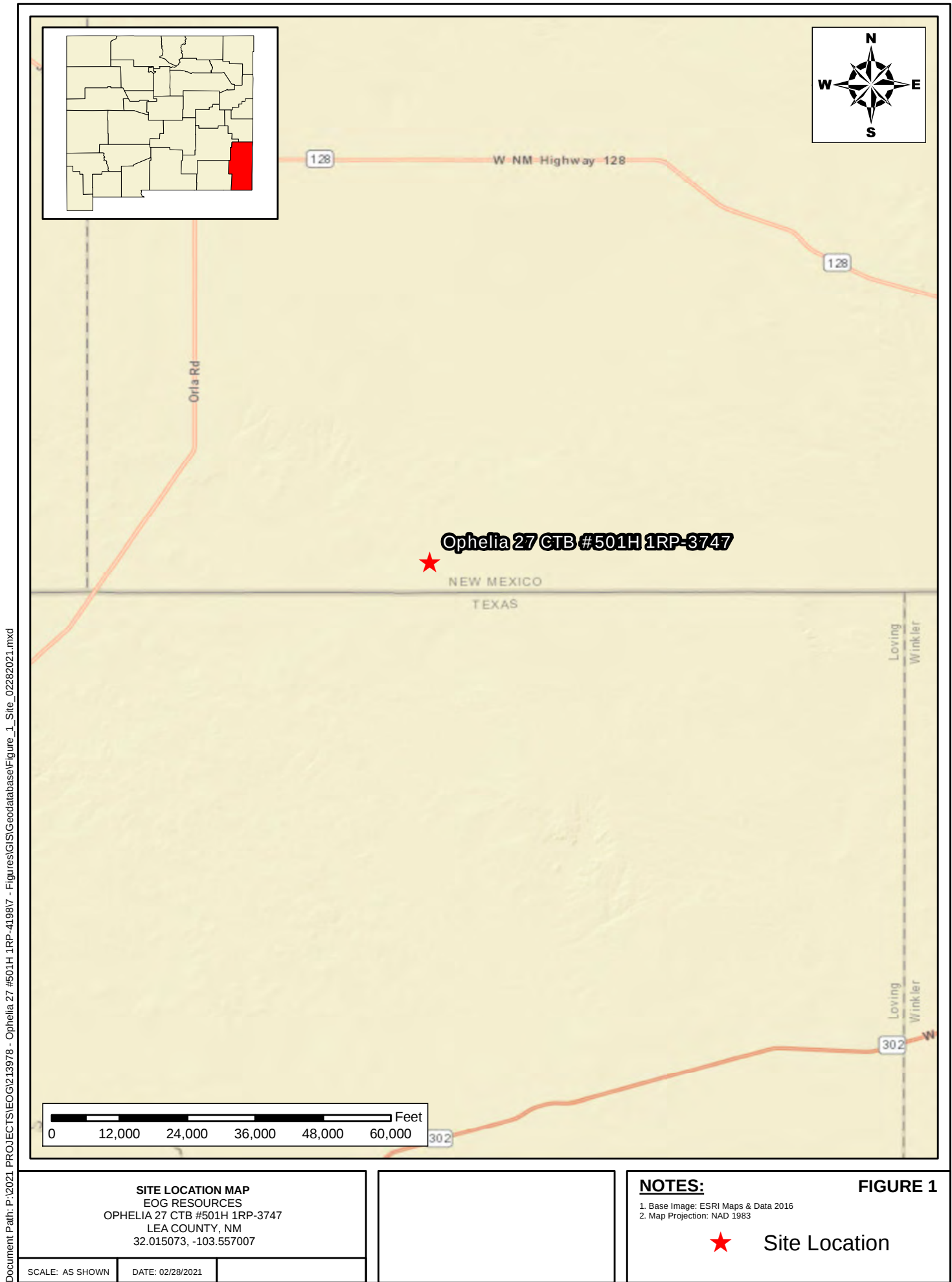
Mike Carmona  
Environmental Manager

Conner Moehring  
Sr. Project Manager

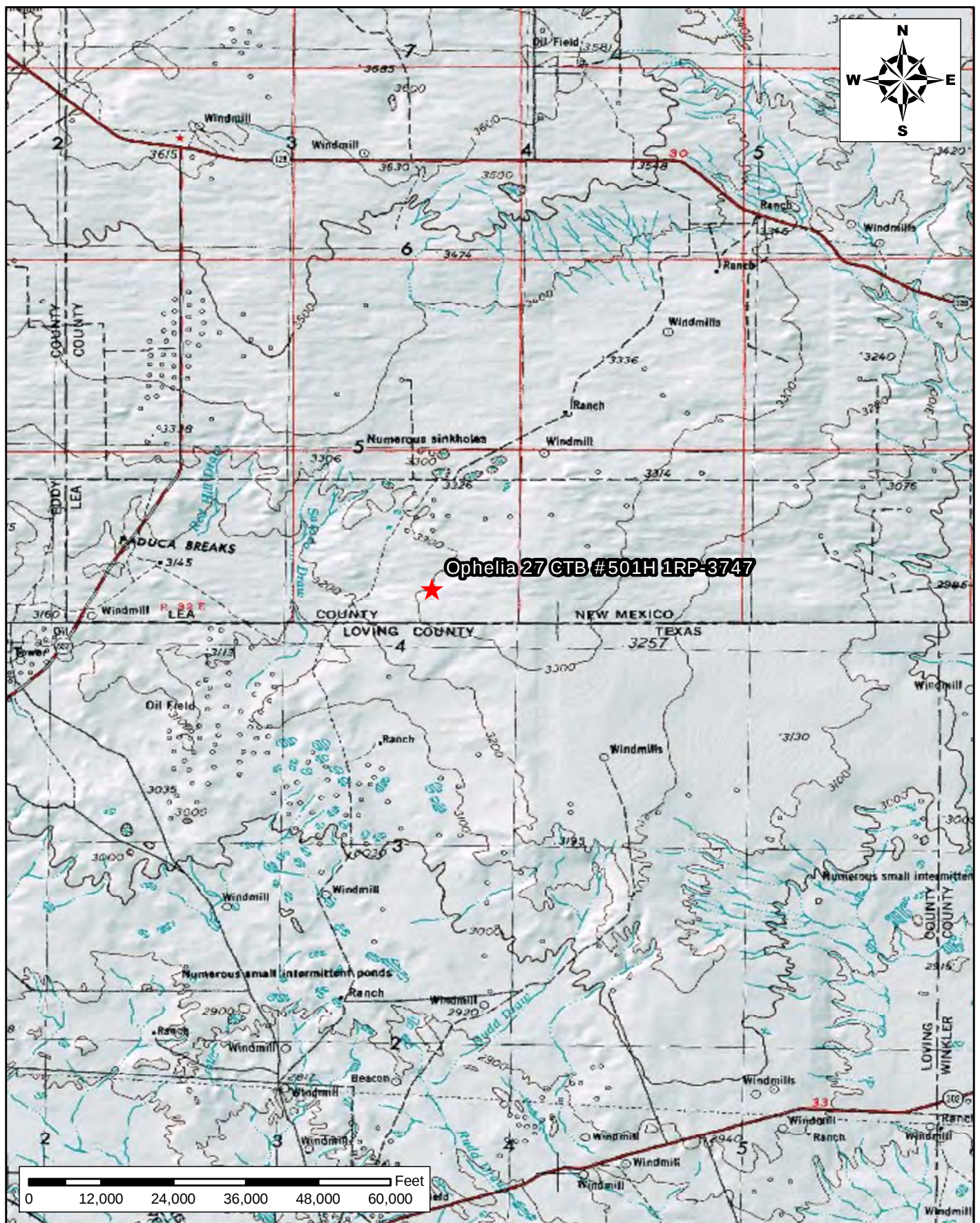
## FIGURES

CARMONA RESOURCES





Document Path: P:\2021 PROJECTS\EOG\213978 - Ophelia 27 #501H 1RP-3747 - Figures\GIS\Geodatabase\Figure\_2\_AREA\_02282021.mxd



AREA MAP  
EOG RESOURCES  
OPHELIA 27 CTB #501H 1RP-3747  
LEA COUNTY, NM  
32.015073, -103.557007

SCALE: AS SHOWN DATE: 02/28/2021

#### NOTES:

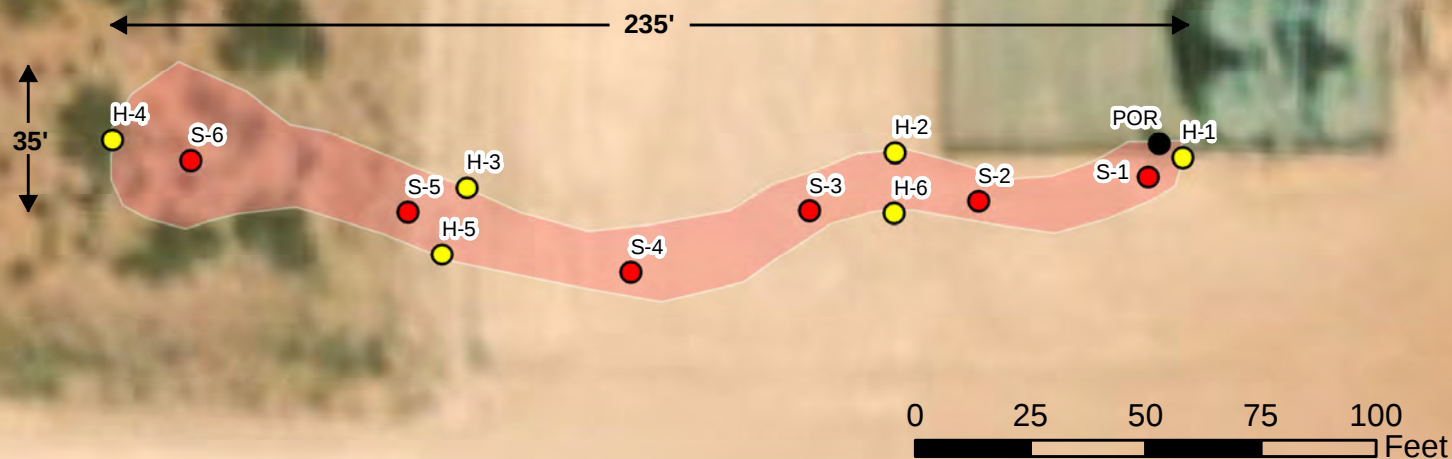
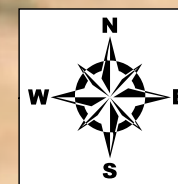
1. Base Image: ESRI Maps & Data 2016
2. Map Projection: NAD 1983



Site Location

FIGURE 3

| Sample ID                 | Latitude | Longitude  |
|---------------------------|----------|------------|
| <b>Point of Release</b>   |          |            |
| POR                       | 32.01608 | -103.55818 |
| <b>Horizontal Samples</b> |          |            |
| H-1                       | 32.01607 | -103.55816 |
| H-2                       | 32.01607 | -103.55836 |
| H-3                       | 32.01604 | -103.55866 |
| H-4                       | 32.01606 | -103.55891 |
| H-5                       | 32.01600 | -103.55868 |
| H-6                       | 32.01603 | -103.55836 |
| <b>Sample Points</b>      |          |            |
| S-1                       | 32.01606 | -103.55818 |
| S-2                       | 32.01604 | -103.55830 |
| S-3                       | 32.01603 | -103.55842 |
| S-4                       | 32.01599 | -103.55854 |
| S-5                       | 32.01602 | -103.55870 |
| S-6                       | 32.01605 | -103.55885 |



### LEGEND

- Sample Point
- Horizontal Sample
- Point of Release
- Impacted Area

**SAMPLE LOCATION MAP**  
**OPHELIA 27 501H 1RP-3747**  
 EOG RESOURCES INC  
 LEA COUNTY, NEW MEXICO

### NOTES:

1. Base Image: ESRI Maps and Data 2017  
 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

SCALE: AS SHOWN

DATE: 03/18/2021

## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**EOG**  
**Ophelia 27 #501H 1RP-3747**  
**Lea County, New Mexico**

| Sample ID                        | Date      | Depth (ft) | TPH (mg/kg) |       |       |             | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|-----------|------------|-------------|-------|-------|-------------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |           |            | GRO         | DRO   | MRO   | Total       |                 |                 |                      |                |                    |                  |
| S-1                              | 3/2/2021  | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00201        | <0.00201        | <0.00201             | <0.00201       | <0.00201           | 53.80            |
| S-2                              | 3/2/2021  | 0-0.5      | <49.8       | <49.8 | <49.8 | <49.8       | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 54.7             |
| S-3                              | 3/2/2021  | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 8.03             |
| S-4                              | 3/2/2021  | 0-1        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00202        | <0.00202        | <0.00202             | <0.00202       | <0.00202           | 8.01             |
|                                  | "         | 1-1.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00202        | <0.00202        | <0.00202             | <0.00202       | <0.00202           | 9.60             |
| S-5                              | 3/2/2021  | 0-1        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 7.70             |
|                                  | "         | 1-1.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00201        | <0.00201        | <0.00201             | <0.00201       | <0.00201           | 7.89             |
| S-6                              | 3/2/2021  | 0-1        | 74.6        | <50.0 | <50.0 | <50.0       | <0.00202        | <0.00202        | <0.00202             | <0.00202       | <0.00202           | 8.20             |
|                                  | "         | 1-1.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 7.98             |
| H-1                              | 3/2/2021  | 0-0.5      | <49.8       | <49.8 | <49.8 | <49.8       | <0.00198        | <0.00198        | <0.00198             | <0.00198       | <0.00198           | 9.71             |
| H-2                              | 3/2/2021  | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 7.90             |
| H-3                              | 3/2/2021  | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 8.98             |
| H-4                              | 3/2/2021  | 0-0.5      | 192         | <49.9 | <49.9 | 192         | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 8.44             |
|                                  | 01/4/2023 | 0.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.00            |
| H-5                              | 3/2/2021  | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00198        | <0.00198        | <0.00198             | <0.00198       | <0.00198           | 8.18             |
| H-6                              | 3/2/2021  | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 8.10             |
| Regulatory Criteria <sup>A</sup> |           |            | 1,000 mg/kg |       |       | 2,500 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 10,000 mg/kg     |

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal Sample

## APPENDIX B

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

## EOG Resources

## Photograph No. 1

Facility: Ophelia 27 501H 1RP-3747

County: Lea County, New Mexico

## Description:

View Northeast of point of release



## Photograph No. 2

Facility: Ophelia 27 501H 1RP-3747

County: Lea County, New Mexico

## Description:

View West of Sample points



## Photograph No. 3

Facility: Ophelia 27 501H 1RP-3747

County: Lea County, New Mexico

## Description:

View Southeast of sample points



## PHOTOGRAPHIC LOG

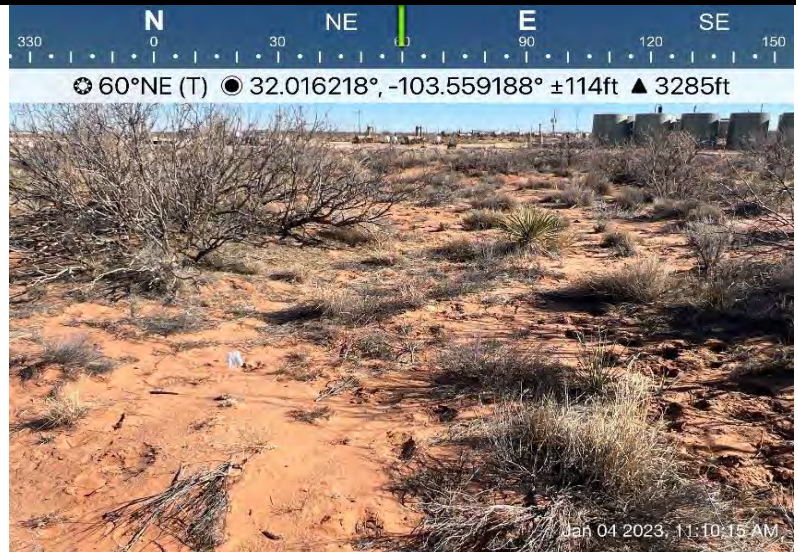
### EOG Resources

**Photograph No. 4**

**Facility:** Ophelia 27 #501H 1RP-3747

**County:** Lea County, New Mexico

**Description:**  
View Northeast, area of H-4.



## APPENDIX C

CARMONA RESOURCES



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 August 8, 2011  
Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

|                 |                                       |               |                     |
|-----------------|---------------------------------------|---------------|---------------------|
| Name of Company | EOG Resources, Inc.                   | Contact       | Zane Kurtz          |
| Address         | 5509 Champions Dr., Midland, TX 79706 | Telephone No. | 432-425-2023        |
| Facility Name   | Ophelia 27 CTB - #501H                | Facility Type | CTB                 |
| Surface Owner   | EOG Resources, Inc.                   | Mineral Owner | EOG Resources, Inc. |
|                 |                                       | API No.       | 30-025-42044        |

### LOCATION OF RELEASE

|             |         |          |       |               |                  |               |                |        |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| G           | 27      | 26S      | 33E   | 2,420         | North            | 1,625         | East           | Lea    |

**Latitude** 32.0151 **Longitude** -103.5570

### NATURE OF RELEASE

|                             |                                                                                                           |                                           |                   |                            |                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------|----------------------------|-------------------|
| Type of Release             | Produced Water                                                                                            | Volume of Release                         | 250 bbls          | Volume Recovered           | 200 bbls          |
| Source of Release           | Rupture of poly line                                                                                      | Date and Hour of Occurrence               | 7/19/2015 8:00 AM | Date and Hour of Discovery | 7/19/2015 8:00 AM |
| Was Immediate Notice Given? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          |                   |                            |                   |
| By Whom?                    | Date and Hour                                                                                             |                                           |                   |                            |                   |
| Was a Watercourse Reached?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                       | If YES, Volume Impacting the Watercourse. |                   |                            |                   |

If a Watercourse was Impacted, Describe Fully.\*  
No watercourse was reached by spill.

Describe Cause of Problem and Remedial Action Taken.\*

Approximately 250 bbls of produced water was released due to the rupture of over-pressurized poly water line (50 bbls recovered). Most of the spill remained on the pad; however, a portion of the unrecovered water did leave the CTB pad associated with Ophelia 27 #501H and #703H. The produced water line failure was associated exclusively with Ophelia 27 #501H (API 30-025-42044). On behalf of EOG Resources, Inc., CH2M HILL will perform a site visit on July 22, 2015 to document spill conditions and collect preliminary site characterization soil samples.

Describe Area Affected and Cleanup Action Taken.\*

EOG Resources, Inc. proposes to characterize the spill area by collecting soil samples for the purpose of horizontally and vertically delineating impacts to site soils for BTEX, TPH, and chloride. The impacted area will be excavated, stockpiled on polyethylene sheeting, and transported to a permitted disposal facility. Excavated areas will be backfilled to existing grade with fill from a non-impacted source.

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:                                       |  |  |                             | <b>OIL CONSERVATION DIVISION</b>                                                                                            |  |
| Printed Name: Zane Kurtz                         |                                                                                     |  |                             | Approved by Environmental Specialist:  |  |
| Title: Sr. Safety & Environmental Representative | Approval Date: 07/22/2015                                                           |  | Expiration Date: 09/22/2015 |                                                                                                                             |  |
| E-mail Address: Zane_Kurtz@eogresources.com      | Conditions of Approval:                                                             |  |                             | Attached <input type="checkbox"/>                                                                                           |  |
| Date: 07-21-2015 Phone: 432-425-2023             | Discrete site samples required. Delineate and remediate per NMOCD guidelines.       |  |                             | ogrid 7377                                                                                                                  |  |

\* Attach Additional Sheets If Necessary

Geotagged photos of remediation required.

pJXK1520354909

nJXK1520354698

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| 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?                                                                                                           | _____ (ft bgs)                                           |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input 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 ½-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.

State of New Mexico  
Oil Conservation Division

Page 4

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| 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: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: James Kennedy Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

|                |  |
|----------------|--|
| Incident ID    |  |
| 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: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: James Kennedy Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**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: Ashley Maxwell Date: 7/28/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

---

**From:** James Kennedy  
**Sent:** Tuesday, January 3, 2023 10:54 AM  
**To:** Mike Carmona  
**Subject:** FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 58217

This is the Ophelia 27 501H, you did for us at NTG. Please review and lets figure out what we need to do to get closure.

**James F. Kennedy**

Environmental Specialist  
Midland Division  
C: 432-258-4346  
O: 432-848-9146



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**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>  
**Sent:** Thursday, December 29, 2022 9:54 AM  
**To:** James Kennedy <[James\\_Kennedy@eogresources.com](mailto:James_Kennedy@eogresources.com)>  
**Subject:** The Oil Conservation Division (OCD) has rejected the application, Application ID: 58217

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nJXK1520354698, for the following reasons:

- **Horizontal and vertical delineation submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC.** The values for determination of horizontal impact are derived by either approved "background" values or Table I Closure Criteria for releases where groundwater is at a depth of 50 feet or less. This is especially important for "on-pad" releases to ensure the release did not extend to the "off-pad"/pasture area. A visual footprint on the surface is not sufficient to assess the horizontal extent of the release. Laboratory data must be provided as evidence of delineation efforts. Any sample exceeding approved "background" values or Table I Closure Criteria for releases where groundwater is at a depth of 50 feet or less requires additional samples for horizontal delineation.
- **Sample area H-4 is located off pad and is subject to 19.15.29.12 C(3)-The responsible party shall remediate the impacted surface area of a release not occurring on a lined, bermed or otherwise contained exploration, development, production or storage site to meet the standards of Table I of 19.15.29.12 NMAC or other applicable remediation standards and restore and reclaim the area pursuant to 19.15.29.13 NMAC.**

- **Submit work plan or closure report via the OCD permitting portal by March 31, 2023.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 58217.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,  
Ashley Maxwell  
Projects Environmental Specialist - A  
505-635-5000  
[Ashley.Maxwell@emnrd.nm.gov](mailto:Ashley.Maxwell@emnrd.nm.gov)

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

## APPENDIX D

CARMONA RESOURCES



Nearest water well

EOG Resources

**Legend**

- 0.16 Miles
- 0.44 Miles
- 0.46 Miles
- 0.5 Mile Radius
- 0.52 Miles
- NMSEO Water Well
- Ophelia 27 #501H 1RP-3747
- USGS Water Well

110' - Drilled 2012

125' - Drilled 1992

76.6' - Drilled 2001

80.17' - Drilled 1981

Ophelia 27 #501H 1RP-3747



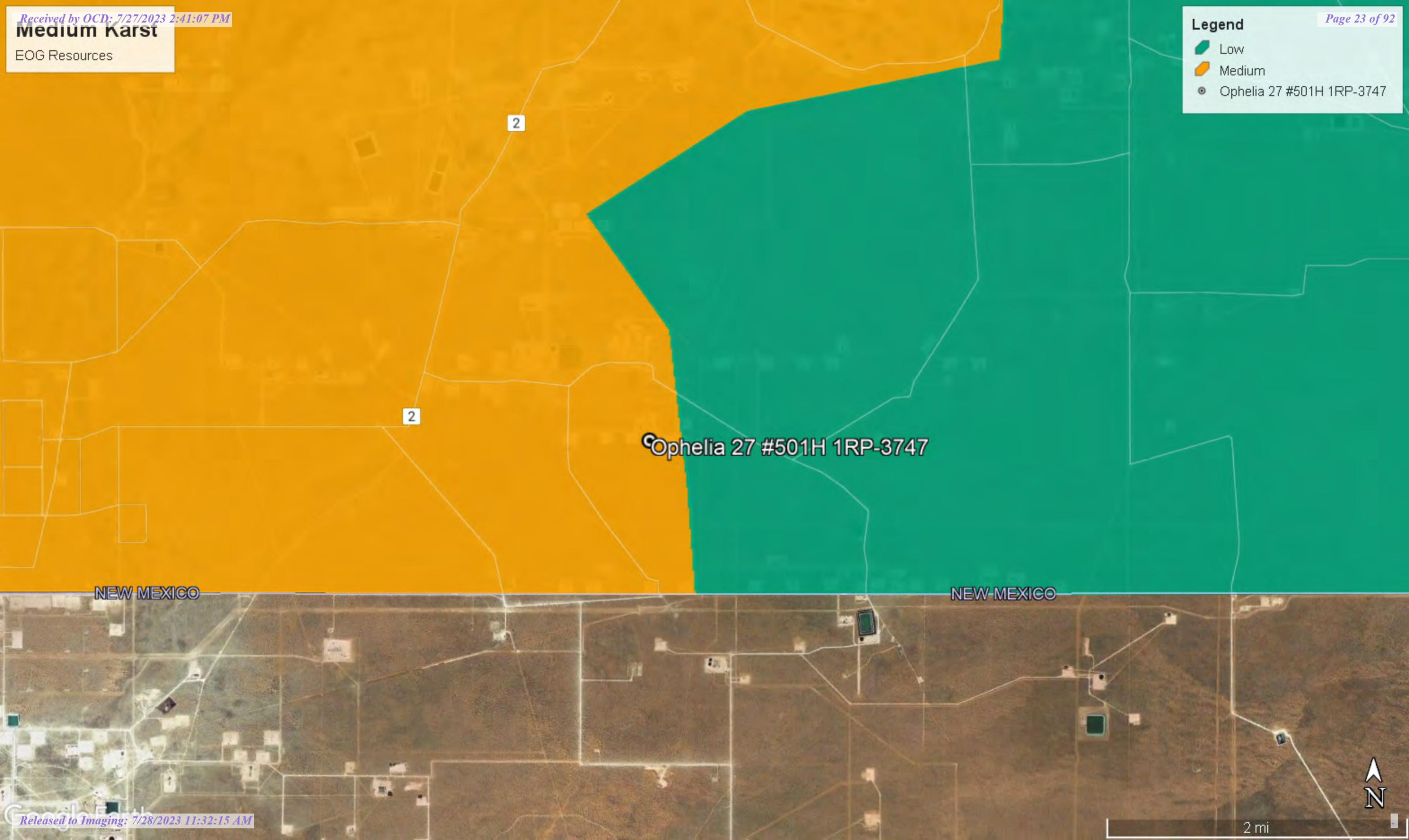
2000 ft

Medium Karst

EOG Resources

Legend

- Low
- Medium
- Ophelia 27 #501H 1RP-3747



NEW MEXICO

NEW MEXICO

Ophelia 27 #501H 1RP-3747

2 mi



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number              | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y       | Depth Well | Depth Water | Water Column |
|-------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|---------|------------|-------------|--------------|
| <a href="#">C 02270</a> |              | CUB   | LE     | 1    | 1    | 2   | 27  | 26S | 33E | 636063 | 3543722 | 150        | 125         | 25           |

Average Depth to Water: **125 feet**

Minimum Depth: **125 feet**

Maximum Depth: **125 feet**

Record Count: 1

### Basin/County Search:

**County:** Lea

### PLSS Search:

**Section(s):** 27

**Township:** 26S

**Range:** 33E

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320056103333501

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320056103333501 26S.33E.27.21132

Lea County, New Mexico  
Latitude 32°00'56", Longitude 103°33'35" NAD27  
Land-surface elevation 3,273 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement | ?<br>Water<br>level<br>appr<br>statu |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--------------------------------------|
| 1970-12-07 |      |                                           | D                      | 62610                                               | 3195.49                                                           | NGVD29                          | 1           | Z                             |                          |                               |                                      |
| 1970-12-07 |      |                                           | D                      | 62611                                               | 3197.07                                                           | NAVD88                          | 1           | Z                             |                          |                               |                                      |
| 1970-12-07 |      |                                           | D                      | 72019                                               | 75.93                                                             |                                 | 1           | Z                             |                          |                               |                                      |
| 1976-01-08 |      |                                           | D                      | 62610                                               | 3195.65                                                           | NGVD29                          | 1           | Z                             |                          |                               |                                      |
| 1976-01-08 |      |                                           | D                      | 62611                                               | 3197.23                                                           | NAVD88                          | 1           | Z                             |                          |                               |                                      |
| 1976-01-08 |      |                                           | D                      | 72019                                               | 75.77                                                             |                                 | 1           | Z                             |                          |                               |                                      |
| 1981-03-25 |      |                                           | D                      | 62610                                               | 3191.25                                                           | NGVD29                          | 1           | Z                             |                          |                               |                                      |
| 1981-03-25 |      |                                           | D                      | 62611                                               | 3192.83                                                           | NAVD88                          | 1           | Z                             |                          |                               |                                      |
| 1981-03-25 |      |                                           | D                      | 72019                                               | 80.17                                                             |                                 | 1           | Z                             |                          |                               |                                      |

Explanation

| Section                        | Code   | Description                                   |
|--------------------------------|--------|-----------------------------------------------|
| Water-level date-time accuracy | D      | Date is accurate to the Day                   |
| Parameter code                 | 62610  | Groundwater level above NGVD 1929, feet       |
| Parameter code                 | 62611  | Groundwater level above NAVD 1988, feet       |
| Parameter code                 | 72019  | Depth to water level, feet below land surface |
| Referenced vertical datum      | NAVD88 | North American Vertical Datum of 1988         |
| Referenced vertical datum      | NGVD29 | National Geodetic Vertical Datum of 1929      |
| Status                         | 1      | Static                                        |
| Method of measurement          | Z      | Other.                                        |
| Measuring agency               |        | Not determined                                |

| Section                     | Code | Description                                                  |
|-----------------------------|------|--------------------------------------------------------------|
| Source of measurement       |      | Not determined                                               |
| Water-level approval status | A    | Approved for publication -- Processing and review completed. |

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**Title:** Groundwater for New Mexico: Water Levels  
**URL:** <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



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0.29   0.25 nadww01



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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320059103333501

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320059103333501 26S.33E.27.21112

Lea County, New Mexico  
Latitude 32°01'16.0", Longitude 103°33'33.9" NAD83  
Land-surface elevation 3,252.00 feet above NGVD29  
The depth of the well is 200 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement | ?<br>Water<br>level<br>appr<br>statu |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--------------------------------------|
| 1954-07-26 |      |                                           | D 62610                |                                                     | 3172.29                                                           | NGVD29                          | 1           | Z                             |                          |                               |                                      |
| 1954-07-26 |      |                                           | D 62611                |                                                     | 3173.87                                                           | NAVD88                          | 1           | Z                             |                          |                               |                                      |
| 1954-07-26 |      |                                           | D 72019                | 79.71                                               |                                                                   |                                 | 1           | Z                             |                          |                               |                                      |
| 1976-01-08 |      |                                           | D 62610                |                                                     | 3175.48                                                           | NGVD29                          | 1           | Z                             |                          |                               |                                      |
| 1976-01-08 |      |                                           | D 62611                |                                                     | 3177.06                                                           | NAVD88                          | 1           | Z                             |                          |                               |                                      |
| 1976-01-08 |      |                                           | D 72019                | 76.52                                               |                                                                   |                                 | 1           | Z                             |                          |                               |                                      |
| 1986-03-04 |      |                                           | D 62610                |                                                     | 3174.86                                                           | NGVD29                          | 1           | Z                             |                          |                               |                                      |
| 1986-03-04 |      |                                           | D 62611                |                                                     | 3176.44                                                           | NAVD88                          | 1           | Z                             |                          |                               |                                      |
| 1986-03-04 |      |                                           | D 72019                | 77.14                                               |                                                                   |                                 | 1           | Z                             |                          |                               |                                      |
| 1990-11-27 |      |                                           | D 62610                |                                                     | 3175.46                                                           | NGVD29                          | 1           | Z                             |                          |                               |                                      |
| 1990-11-27 |      |                                           | D 62611                |                                                     | 3177.04                                                           | NAVD88                          | 1           | Z                             |                          |                               |                                      |
| 1990-11-27 |      |                                           | D 72019                | 76.54                                               |                                                                   |                                 | 1           | Z                             |                          |                               |                                      |
| 1996-03-05 |      |                                           | D 62610                |                                                     | 3174.61                                                           | NGVD29                          | 1           | S                             |                          |                               |                                      |
| 1996-03-05 |      |                                           | D 62611                |                                                     | 3176.19                                                           | NAVD88                          | 1           | S                             |                          |                               |                                      |
| 1996-03-05 |      |                                           | D 72019                | 77.39                                               |                                                                   |                                 | 1           | S                             |                          |                               |                                      |
| 2001-02-27 |      |                                           | D 62610                |                                                     | 3175.40                                                           | NGVD29                          | 1           | S                             |                          |                               |                                      |
| 2001-02-27 |      |                                           | D 62611                |                                                     | 3176.98                                                           | NAVD88                          | 1           | S                             |                          |                               |                                      |
| 2001-02-27 |      |                                           | D 72019                | 76.60                                               |                                                                   |                                 | 1           | S                             |                          |                               |                                      |

Explanation

| Section                        | Code   | Description                                                  |
|--------------------------------|--------|--------------------------------------------------------------|
| Water-level date-time accuracy | D      | Date is accurate to the Day                                  |
| Parameter code                 | 62610  | Groundwater level above NGVD 1929, feet                      |
| Parameter code                 | 62611  | Groundwater level above NAVD 1988, feet                      |
| Parameter code                 | 72019  | Depth to water level, feet below land surface                |
| Referenced vertical datum      | NAVD88 | North American Vertical Datum of 1988                        |
| Referenced vertical datum      | NGVD29 | National Geodetic Vertical Datum of 1929                     |
| Status                         | 1      | Static                                                       |
| Method of measurement          | S      | Steel-tape measurement.                                      |
| Method of measurement          | Z      | Other.                                                       |
| Measuring agency               |        | Not determined                                               |
| Source of measurement          |        | Not determined                                               |
| Water-level approval status    | A      | Approved for publication -- Processing and review completed. |

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**Title:** Groundwater for New Mexico: Water Levels  
**URL:** <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



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Page Last Modified: 2023-01-09 17:10:45 EST  
0.31 0.28 nadww01



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X      | Y       |
|----------|------------|-----|-----|----|-----|-----|-----|--------|---------|
| C        | 02270      | 1   | 1   | 2  | 27  | 26S | 33E | 636063 | 3543722 |

**Driller License:** 208 **Driller Company:** VAN NOY, W.L.

**Driller Name:** UNKNOWN

**Drill Start Date:** 08/28/1992

**Drill Finish Date:** 12/31/1910

**Plug Date:**

**Log File Date:** 10/28/1992

**PCW Rcv Date:**

**Source:** Shallow

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:** 15 GPM

**Casing Size:** 8.00

**Depth Well:** 150 feet

**Depth Water:** 125 feet

### Water Bearing Stratifications:

**Top Bottom Description**

225 265 Sandstone/Gravel/Conglomerate

### Casing Perforations:

**Top Bottom**

205 265

**Meter Number:** 16561

**Meter Make:** MASTERMETER

**Meter Serial Number:** 8112517

**Meter Multiplier:** 100.0000

**Number of Dials:** 6

**Meter Type:** Diversion

**Unit of Measure:** Gallons

**Return Flow Percent:**

**Usage Multiplier:**

**Reading Frequency:**

### Meter Readings (in Acre-Feet)

| Read Date  | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 04/01/2014 | 2014 | 132970      | A    | RPT |         | 0                 |
| 07/01/2014 | 2014 | 145195      | A    | RPT |         | 3.752             |
| 10/01/2014 | 2014 | 153126      | A    | RPT |         | 2.434             |
| 12/31/2014 | 2014 | 153126      | A    | RPT |         | 0                 |
| 02/01/2015 | 2015 | 153126      | A    | RPT |         | 0                 |
| 03/01/2015 | 2015 | 153126      | A    | RPT |         | 0                 |
| 04/01/2015 | 2015 | 153126      | A    | RPT |         | 0                 |
| 05/01/2015 | 2015 | 153126      | A    | RPT |         | 0                 |
| 05/31/2015 | 2015 | 153126      | A    | RPT |         | 0                 |
| 07/01/2015 | 2015 | 153126      | A    | RPT |         | 0                 |
| 08/01/2015 | 2015 | 153126      | A    | RPT |         | 0                 |
| 10/01/2015 | 2015 | 153216      | A    | RPT |         | 0.028             |

| **YTD Meter Amounts: | Year | Amount |
|----------------------|------|--------|
|                      | 2014 | 6.186  |
|                      | 2015 | 0.028  |

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1/9/23 2:51 PM

POINT OF DIVERSION SUMMARY





# New Mexico Office of the State Engineer

## Point of Diversion Summary

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(quarters are smallest to largest)

(NAD83 UTM in meters)

|                 |                   |            |            |           |            |           |            |          |          |
|-----------------|-------------------|------------|------------|-----------|------------|-----------|------------|----------|----------|
| <b>Well Tag</b> | <b>POD Number</b> | <b>Q64</b> | <b>Q16</b> | <b>Q4</b> | <b>Sec</b> | <b>Tw</b> | <b>Rng</b> | <b>X</b> | <b>Y</b> |
| C               | 03577 POD1        | 3          | 3          | 3         | 22         | 26S       | 33E        | 636010   | 3543771  |

x

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| <b>Driller License:</b> 1654 | <b>Driller Company:</b> NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC |
| <b>Driller Name:</b>         |                                                                            |

|                                     |                                      |                                |
|-------------------------------------|--------------------------------------|--------------------------------|
| <b>Drill Start Date:</b> 11/19/2012 | <b>Drill Finish Date:</b> 11/20/2012 | <b>Plug Date:</b>              |
| <b>Log File Date:</b> 12/11/2012    | <b>PCW Rcv Date:</b>                 | <b>Source:</b> Shallow         |
| <b>Pump Type:</b>                   | <b>Pipe Discharge Size:</b>          | <b>Estimated Yield:</b> 35 GPM |
| <b>Casing Size:</b> 6.00            | <b>Depth Well:</b> 750 feet          | <b>Depth Water:</b> 110 feet   |

x

|                                       |            |               |                               |
|---------------------------------------|------------|---------------|-------------------------------|
| <b>Water Bearing Stratifications:</b> | <b>Top</b> | <b>Bottom</b> | <b>Description</b>            |
|                                       | 95         | 150           | Sandstone/Gravel/Conglomerate |
|                                       | 200        | 710           | Sandstone/Gravel/Conglomerate |

x

|                             |            |               |
|-----------------------------|------------|---------------|
| <b>Casing Perforations:</b> | <b>Top</b> | <b>Bottom</b> |
|                             | 180        | 200           |
|                             | 690        | 750           |

x

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>Meter Number:</b> 16570          | <b>Meter Make:</b> MASTERMETER    |
| <b>Meter Serial Number:</b> 6985354 | <b>Meter Multiplier:</b> 100.0000 |
| <b>Number of Dials:</b> 6           | <b>Meter Type:</b> Diversion      |
| <b>Unit of Measure:</b> Gallons     | <b>Return Flow Percent:</b>       |
| <b>Usage Multiplier:</b>            | <b>Reading Frequency:</b>         |

### Meter Readings (in Acre-Feet)

| Read Date  | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 04/01/2014 | 2014 | 123440      | A    | RPT |         | 0                 |
| 07/01/2014 | 2014 | 160772      | A    | RPT |         | 11.457            |
| 10/01/2014 | 2014 | 193527      | A    | RPT |         | 10.052            |
| 12/31/2014 | 2014 | 237836      | A    | RPT |         | 13.598            |
| 02/01/2015 | 2015 | 247102      | A    | RPT |         | 2.844             |
| 03/02/2015 | 2015 | 260095      | A    | RPT |         | 3.987             |
| 04/01/2015 | 2015 | 268444      | A    | RPT |         | 2.562             |
| 04/30/2015 | 2015 | 284991      | A    | RPT |         | 5.078             |
| 05/31/2015 | 2015 | 296985      | A    | RPT |         | 3.681             |
| 07/01/2015 | 2015 | 313077      | A    | RPT |         | 4.938             |
| 08/01/2015 | 2015 | 321571      | A    | RPT |         | 2.607             |
| 08/31/2015 | 2015 | 333738      | A    | RPT |         | 3.734             |
| 10/01/2015 | 2015 | 340361      | A    | RPT |         | 2.033             |

|                             |             |               |
|-----------------------------|-------------|---------------|
| <b>**YTD Meter Amounts:</b> | <b>Year</b> | <b>Amount</b> |
|                             | 2014        | 35.107        |
|                             | 2015        | 31.464        |

x

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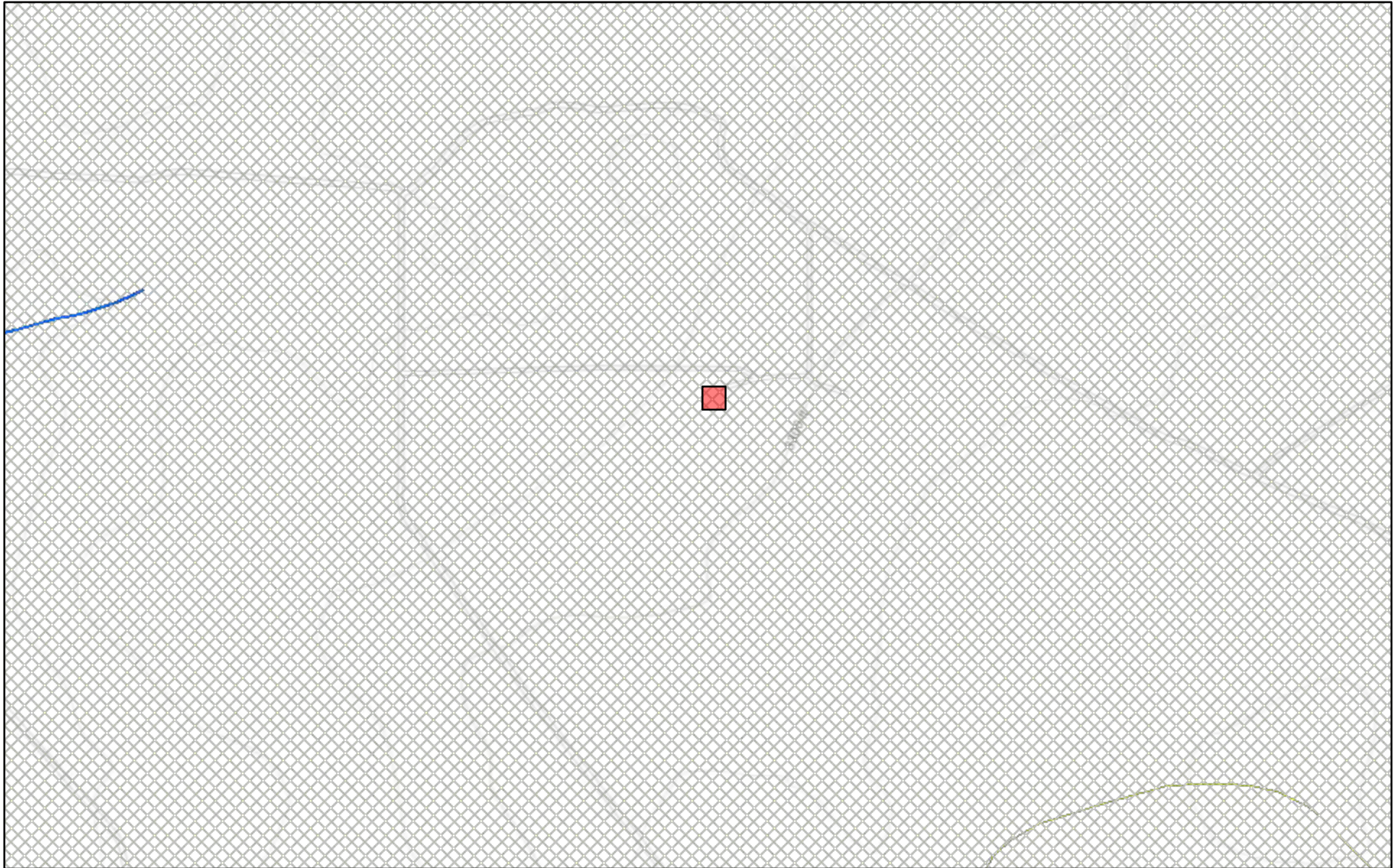
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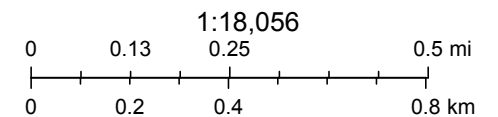
1/10/23 7:17 AM

POINT OF DIVERSION SUMMARY

# New Mexico NFHL Data



January 10, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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## APPENDIX E

CARMONA RESOURCES



# Analytical Report 690333

for

**NT Global**

**Project Manager: Mike Carmona**

**Ophelia 27 #501h 1RP-3747**

**213977**

**03.08.2021**

Collected By: Client



**1211 W. Florida Ave  
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):  
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)  
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):  
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)  
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)  
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)  
Xenco-Carlsbad (LELAP): Louisiana (05092)  
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)  
Xenco-Tampa: Florida (E87429), North Carolina (483)



03.08.2021

Project Manager: **Mike Carmona**

**NT Global**

701 Tradewinds Blvd

Midland, TX 79706

Reference: Eurofins Xenco, LLC Report No(s): **690333**

**Ophelia 27 #501h 1RP-3747**

Project Address: Lea Co, NM

**Mike Carmona:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 690333. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 690333 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Jessica Kramer".

**Jessica Kramer**

Project Manager

*A Small Business and Minority Company*

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

## Certificate of Analysis Summary 690333



NT Global, Midland, TX

Project Name: Ophelia 27 #501h 1RP-3747

**Project Id:** 213977  
**Contact:** Mike Carmona  
**Project Location:** Lea Co, NM

**Date Received in Lab:** Thu 03.04.2021 09:58**Report Date:** 03.08.2021 18:09**Project Manager:** Jessica Kramer

| <i>Analysis Requested</i>                | <i>Lab Id:</i>    | 690333-001       | 690333-002       | 690333-003       | 690333-004       | 690333-005       | 690333-006       |
|------------------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                          | <i>Field Id:</i>  | H-1 (0-6")       | H-2 (0-6")       | H-3 (0-6")       | H-4 (0-6")       | H-5 (0-6")       | H-6 (0-6")       |
|                                          | <i>Depth:</i>     |                  |                  |                  |                  |                  |                  |
|                                          | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             |
|                                          | <i>Sampled:</i>   | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 |
| <b>BTEX by EPA 8021B</b>                 | <i>Extracted:</i> | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 |
|                                          | <i>Analyzed:</i>  | 03.05.2021 22:04 | 03.05.2021 22:24 | 03.05.2021 22:45 | 03.05.2021 23:05 | 03.05.2021 23:26 | 03.05.2021 23:46 |
|                                          | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Benzene                                  |                   | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00200 0.00200 |
| Toluene                                  |                   | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00200 0.00200 |
| Ethylbenzene                             |                   | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00200 0.00200 |
| m,p-Xylenes                              |                   | <0.00397 0.00397 | <0.00400 0.00400 | <0.00400 0.00400 | <0.00398 0.00398 | <0.00397 0.00397 | <0.00399 0.00399 |
| o-Xylene                                 |                   | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00200 0.00200 |
| Total Xylenes                            |                   | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00200 0.00200 |
| Total BTEX                               |                   | <0.00198 0.00198 | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 | <0.00198 0.00198 | <0.00200 0.00200 |
| <b>Inorganic Anions by EPA 300/300.1</b> | <i>Extracted:</i> | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 |
|                                          | <i>Analyzed:</i>  | 03.05.2021 05:07 | 03.05.2021 05:12 | 03.05.2021 05:18 | 03.05.2021 05:23 | 03.05.2021 05:28 | 03.05.2021 05:44 |
|                                          | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Chloride                                 |                   | 9.71 5.00        | 7.90 4.95        | 8.98 4.95        | 8.44 4.95        | 8.18 5.03        | 8.10 4.99        |
| <b>TPH By SW8015 Mod</b>                 | <i>Extracted:</i> | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.04.2021 12:00 | 03.04.2021 12:00 |
|                                          | <i>Analyzed:</i>  | 03.05.2021 17:52 | 03.05.2021 18:35 | 03.05.2021 18:56 | 03.05.2021 19:17 | 03.04.2021 18:58 | 03.04.2021 19:19 |
|                                          | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)        |                   | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | 192 49.9         | <49.9 49.9       | <50.0 50.0       |
| Diesel Range Organics (DRO)              |                   | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       | <49.9 49.9       | <50.0 50.0       |
| Motor Oil Range Hydrocarbons (MRO)       |                   | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       | <49.9 49.9       | <50.0 50.0       |
| Total TPH                                |                   | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | 192 49.9         | <49.9 49.9       | <50.0 50.0       |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 690333****NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

| Sample Id  | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|------------|--------|------------------|--------------|---------------|
| H-1 (0-6") | S      | 03.02.2021 00:00 |              | 690333-001    |
| H-2 (0-6") | S      | 03.02.2021 00:00 |              | 690333-002    |
| H-3 (0-6") | S      | 03.02.2021 00:00 |              | 690333-003    |
| H-4 (0-6") | S      | 03.02.2021 00:00 |              | 690333-004    |
| H-5 (0-6") | S      | 03.02.2021 00:00 |              | 690333-005    |
| H-6 (0-6") | S      | 03.02.2021 00:00 |              | 690333-006    |

**CASE NARRATIVE****Client Name: NT Global****Project Name: Ophelia 27 #501h 1RP-3747**

Project ID: 213977  
Work Order Number(s): 690333

Report Date: 03.08.2021  
Date Received: 03.04.2021

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**Sample receipt non conformances and comments:**

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**Sample receipt non conformances and comments per sample:**

None

**Analytical non conformances and comments:**

Batch: LBA-3152743 BTEX by EPA 8021B

Lab Sample ID 690333-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 690333-001, -002, -003, -004, -005, -006.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-1 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-001

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:

Seq Number: 3152651

Basis: Wet Weight

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 9.71   | 5.00 | mg/kg | 03.05.2021 05:07 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:

Seq Number: 3152840

Basis: Wet Weight

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <49.8  | 49.8 | mg/kg | 03.05.2021 17:52 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.8  | 49.8 | mg/kg | 03.05.2021 17:52 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.8  | 49.8 | mg/kg | 03.05.2021 17:52 | U    | 1   |
| Total TPH                          | PHC635     | <49.8  | 49.8 | mg/kg | 03.05.2021 17:52 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 94         | %     | 70-130 | 03.05.2021 17:52 |      |
| o-Terphenyl    | 84-15-1    | 88         | %     | 70-130 | 03.05.2021 17:52 |      |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-1 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-001

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Seq Number: 3152743

Basis: Wet Weight

| Parameter     | Cas Number  | Result   | RL      | Units | Analysis Date    | Flag | Dil |
|---------------|-------------|----------|---------|-------|------------------|------|-----|
| Benzene       | 71-43-2     | <0.00198 | 0.00198 | mg/kg | 03.05.2021 22:04 | UX   | 1   |
| Toluene       | 108-88-3    | <0.00198 | 0.00198 | mg/kg | 03.05.2021 22:04 | UX   | 1   |
| Ethylbenzene  | 100-41-4    | <0.00198 | 0.00198 | mg/kg | 03.05.2021 22:04 | UX   | 1   |
| m,p-Xylenes   | 179601-23-1 | <0.00397 | 0.00397 | mg/kg | 03.05.2021 22:04 | UX   | 1   |
| o-Xylene      | 95-47-6     | <0.00198 | 0.00198 | mg/kg | 03.05.2021 22:04 | UX   | 1   |
| Total Xylenes | 1330-20-7   | <0.00198 | 0.00198 | mg/kg | 03.05.2021 22:04 | U    | 1   |
| Total BTEX    |             | <0.00198 | 0.00198 | mg/kg | 03.05.2021 22:04 | U    | 1   |

| Surrogate            | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 4-Bromofluorobenzene | 460-00-4   | 104        | %     | 70-130 | 03.05.2021 22:04 |      |
| 1,4-Difluorobenzene  | 540-36-3   | 96         | %     | 70-130 | 03.05.2021 22:04 |      |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-2 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-002

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 7.90   | 4.95 | mg/kg | 03.05.2021 05:12 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.05.2021 18:35 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.05.2021 18:35 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.05.2021 18:35 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.05.2021 18:35 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 96         | %     | 70-130 | 03.05.2021 18:35 |      |
| o-Terphenyl    | 84-15-1    | 89         | %     | 70-130 | 03.05.2021 18:35 |      |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-2 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-002

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Seq Number: 3152743

Basis: Wet Weight

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:24     | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:24     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:24     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00400          | 0.00400      | mg/kg         | 03.05.2021 22:24     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:24     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:24     | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:24     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 97                | %            | 70-130        | 03.05.2021 22:24     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 98                | %            | 70-130        | 03.05.2021 22:24     |             |     |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-3 (0-6")**  
Lab Sample Id: 690333-003

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.98   | 4.95 | mg/kg | 03.05.2021 05:18 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <50.0             | 50.0         | mg/kg         | 03.05.2021 18:56     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <50.0             | 50.0         | mg/kg         | 03.05.2021 18:56     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <50.0             | 50.0         | mg/kg         | 03.05.2021 18:56     | U           | 1   |
| Total TPH                          | PHC635            | <50.0             | 50.0         | mg/kg         | 03.05.2021 18:56     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 96                | %            | 70-130        | 03.05.2021 18:56     |             |     |
| o-Terphenyl                        | 84-15-1           | 90                | %            | 70-130        | 03.05.2021 18:56     |             |     |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-3 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-003

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:45     | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:45     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:45     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00400          | 0.00400      | mg/kg         | 03.05.2021 22:45     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:45     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:45     | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 22:45     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 99                | %            | 70-130        | 03.05.2021 22:45     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 96                | %            | 70-130        | 03.05.2021 22:45     |             |     |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-4 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-004

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.44   | 4.95 | mg/kg | 03.05.2021 05:23 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | 192    | 49.9 | mg/kg | 03.05.2021 19:17 |      | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <49.9  | 49.9 | mg/kg | 03.05.2021 19:17 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <49.9  | 49.9 | mg/kg | 03.05.2021 19:17 | U    | 1   |
| Total TPH                          | PHC635     | 192    | 49.9 | mg/kg | 03.05.2021 19:17 |      | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 117        | %     | 70-130 | 03.05.2021 19:17 |      |
| o-Terphenyl    | 84-15-1    | 108        | %     | 70-130 | 03.05.2021 19:17 |      |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-4 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-004

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Seq Number: 3152743

Basis: Wet Weight

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 03.05.2021 23:05     | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 03.05.2021 23:05     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 03.05.2021 23:05     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 03.05.2021 23:05     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 03.05.2021 23:05     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 03.05.2021 23:05     | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 03.05.2021 23:05     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 100               | %            | 70-130        | 03.05.2021 23:05     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 95                | %            | 70-130        | 03.05.2021 23:05     |             |     |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-5 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-005

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.18   | 5.03 | mg/kg | 03.05.2021 05:28 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.04.2021 12:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152662

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <49.9             | 49.9         | mg/kg         | 03.04.2021 18:58     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <49.9             | 49.9         | mg/kg         | 03.04.2021 18:58     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <49.9             | 49.9         | mg/kg         | 03.04.2021 18:58     | U           | 1   |
| Total TPH                          | PHC635            | <49.9             | 49.9         | mg/kg         | 03.04.2021 18:58     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 100               | %            | 70-130        | 03.04.2021 18:58     |             |     |
| o-Terphenyl                        | 84-15-1           | 101               | %            | 70-130        | 03.04.2021 18:58     |             |     |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-5 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-005

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Seq Number: 3152743

Basis: Wet Weight

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00198          | 0.00198      | mg/kg         | 03.05.2021 23:26     | U           | 1   |
| Toluene              | 108-88-3          | <0.00198          | 0.00198      | mg/kg         | 03.05.2021 23:26     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00198          | 0.00198      | mg/kg         | 03.05.2021 23:26     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00397          | 0.00397      | mg/kg         | 03.05.2021 23:26     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00198          | 0.00198      | mg/kg         | 03.05.2021 23:26     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00198          | 0.00198      | mg/kg         | 03.05.2021 23:26     | U           | 1   |
| Total BTEX           |                   | <0.00198          | 0.00198      | mg/kg         | 03.05.2021 23:26     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 105               | %            | 70-130        | 03.05.2021 23:26     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 93                | %            | 70-130        | 03.05.2021 23:26     |             |     |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-6 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-006

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.10   | 4.99 | mg/kg | 03.05.2021 05:44 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.04.2021 12:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152662

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <50.0             | 50.0         | mg/kg         | 03.04.2021 19:19     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <50.0             | 50.0         | mg/kg         | 03.04.2021 19:19     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <50.0             | 50.0         | mg/kg         | 03.04.2021 19:19     | U           | 1   |
| Total TPH                          | PHC635            | <50.0             | 50.0         | mg/kg         | 03.04.2021 19:19     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 103               | %            | 70-130        | 03.04.2021 19:19     |             |     |
| o-Terphenyl                        | 84-15-1           | 107               | %            | 70-130        | 03.04.2021 19:19     |             |     |



# Certificate of Analytical Results 690333

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **H-6 (0-6")**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690333-006

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 23:46     | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 23:46     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 23:46     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00399          | 0.00399      | mg/kg         | 03.05.2021 23:46     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 23:46     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 23:46     | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 03.05.2021 23:46     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 87                | %            | 70-130        | 03.05.2021 23:46     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 101               | %            | 70-130        | 03.05.2021 23:46     |             |     |



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\*\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.      **ND** Not Detected.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

**SMP** Client Sample      **BLK** Method Blank

**BKS/LCS** Blank Spike/Laboratory Control Sample      **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

**MD/SD** Method Duplicate/Sample Duplicate      **MS** Matrix Spike      **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

\* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



## NT Global

### Ophelia 27 #501h 1RP-3747

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152651

Matrix: Solid

Prep Method: E300P

Date Prep: 03.04.2021

MB Sample Id: 7722549-1-BLK

LCS Sample Id: 7722549-1-BKS

LCSD Sample Id: 7722549-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride  | <5.00     | 250          | 240        | 96       | 240         | 96        | 90-110 | 0    | 20        | mg/kg | 03.05.2021 04:03 |      |

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152651

Matrix: Soil

Prep Method: E300P

Date Prep: 03.04.2021

Parent Sample Id: 690144-013

MS Sample Id: 690144-013 S

MSD Sample Id: 690144-013 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 14.4          | 250          | 261       | 99      | 261        | 99       | 90-110 | 0    | 20        | mg/kg | 03.05.2021 04:19 |      |

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152651

Matrix: Soil

Prep Method: E300P

Date Prep: 03.04.2021

Parent Sample Id: 690333-005

MS Sample Id: 690333-005 S

MSD Sample Id: 690333-005 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 8.18          | 252          | 256       | 98      | 256        | 98       | 90-110 | 0    | 20        | mg/kg | 03.05.2021 05:34 |      |

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3152662

Matrix: Solid

Prep Method: SW8015P

Date Prep: 03.04.2021

MB Sample Id: 7722600-1-BLK

LCS Sample Id: 7722600-1-BKS

LCSD Sample Id: 7722600-1-BSD

| Parameter                         | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0     | 1000         | 1120       | 112      | 1100        | 110       | 70-130 | 2    | 20        | mg/kg | 03.04.2021 10:53 |      |
| Diesel Range Organics (DRO)       | <50.0     | 1000         | 1100       | 110      | 1090        | 109       | 70-130 | 1    | 20        | mg/kg | 03.04.2021 10:53 |      |

| Surrogate      | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 70      |         | 128      |          | 129       |           | 70-130 | %     | 03.04.2021 10:53 |
| o-Terphenyl    | 76      |         | 124      |          | 127       |           | 70-130 | %     | 03.04.2021 10:53 |

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3152840

Matrix: Solid

Prep Method: SW8015P

Date Prep: 03.05.2021

MB Sample Id: 7722738-1-BLK

LCS Sample Id: 7722738-1-BKS

LCSD Sample Id: 7722738-1-BSD

| Parameter                         | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0     | 1000         | 1020       | 102      | 1010        | 101       | 70-130 | 1    | 20        | mg/kg | 03.05.2021 13:08 |      |
| Diesel Range Organics (DRO)       | <50.0     | 1000         | 881        | 88       | 849         | 85        | 70-130 | 4    | 20        | mg/kg | 03.05.2021 13:08 |      |

| Surrogate      | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 78      |         | 84       |          | 82        |           | 70-130 | %     | 03.05.2021 13:08 |
| o-Terphenyl    | 74      |         | 81       |          | 77        |           | 70-130 | %     | 03.05.2021 13:08 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## NT Global

### Ophelia 27 #501h 1RP-3747

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3152662

Matrix: Solid

Prep Method: SW8015P

Date Prep: 03.04.2021

MB Sample Id: 7722600-1-BLK

**Parameter**

|                                    | MB<br>Result | Units | Analysis<br>Date | Flag |
|------------------------------------|--------------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0        | mg/kg | 03.04.2021 10:32 |      |

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3152840

Matrix: Solid

Prep Method: SW8015P

Date Prep: 03.05.2021

MB Sample Id: 7722738-1-BLK

**Parameter**

|                                    | MB<br>Result | Units | Analysis<br>Date | Flag |
|------------------------------------|--------------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0        | mg/kg | 03.05.2021 12:46 |      |

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3152662

Matrix: Soil

Prep Method: SW8015P

Date Prep: 03.04.2021

Parent Sample Id: 690143-021

MS Sample Id: 690143-021 S

MSD Sample Id: 690143-021 SD

**Parameter**

|                                   | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units | Analysis<br>Date | Flag |
|-----------------------------------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <49.9            | 997             | 995          | 100        | 990           | 99          | 70-130 | 1    | 20           | mg/kg | 03.04.2021 11:56 |      |
| Diesel Range Organics (DRO)       | <49.9            | 997             | 984          | 99         | 983           | 99          | 70-130 | 0    | 20           | mg/kg | 03.04.2021 11:56 |      |

**Surrogate**

|                | MS<br>%Rec | MS<br>Flag | MSD<br>%Rec | MSD<br>Flag | Limits | Units | Analysis<br>Date |
|----------------|------------|------------|-------------|-------------|--------|-------|------------------|
| 1-Chlorooctane | 128        |            | 130         |             | 70-130 | %     | 03.04.2021 11:56 |
| o-Terphenyl    | 125        |            | 125         |             | 70-130 | %     | 03.04.2021 11:56 |

**Analytical Method:** TPH By SW8015 Mod

Seq Number: 3152840

Matrix: Soil

Prep Method: SW8015P

Date Prep: 03.05.2021

Parent Sample Id: 690337-001

MS Sample Id: 690337-001 S

MSD Sample Id: 690337-001 SD

**Parameter**

|                                   | Parent<br>Result | Spike<br>Amount | MS<br>Result | MS<br>%Rec | MSD<br>Result | MSD<br>%Rec | Limits | %RPD | RPD<br>Limit | Units | Analysis<br>Date | Flag |
|-----------------------------------|------------------|-----------------|--------------|------------|---------------|-------------|--------|------|--------------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0            | 1000            | 1260         | 126        | 1280          | 128         | 70-130 | 2    | 20           | mg/kg | 03.05.2021 14:12 |      |
| Diesel Range Organics (DRO)       | <50.0            | 1000            | 1120         | 112        | 1130          | 113         | 70-130 | 1    | 20           | mg/kg | 03.05.2021 14:12 |      |

**Surrogate**

|                | MS<br>%Rec | MS<br>Flag | MSD<br>%Rec | MSD<br>Flag | Limits | Units | Analysis<br>Date |
|----------------|------------|------------|-------------|-------------|--------|-------|------------------|
| 1-Chlorooctane | 112        |            | 114         |             | 70-130 | %     | 03.05.2021 14:12 |
| o-Terphenyl    | 109        |            | 111         |             | 70-130 | %     | 03.05.2021 14:12 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## NT Global

Ophelia 27 #501h 1RP-3747

## Analytical Method: BTEX by EPA 8021B

Seq Number: 3152743

MB Sample Id: 7722661-1-BLK

Matrix: Solid

LCS Sample Id: 7722661-1-BKS

Prep Method: SW5035A

Date Prep: 03.05.2021

LCSD Sample Id: 7722661-1-BSD

| Parameter    | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.00200  | 0.100        | 0.107      | 107      | 0.100       | 100       | 70-130 | 7    | 35        | mg/kg | 03.05.2021 19:43 |      |
| Toluene      | <0.00200  | 0.100        | 0.101      | 101      | 0.0946      | 95        | 70-130 | 7    | 35        | mg/kg | 03.05.2021 19:43 |      |
| Ethylbenzene | <0.00200  | 0.100        | 0.106      | 106      | 0.100       | 100       | 70-130 | 6    | 35        | mg/kg | 03.05.2021 19:43 |      |
| m,p-Xylenes  | <0.00400  | 0.200        | 0.213      | 107      | 0.200       | 100       | 70-130 | 6    | 35        | mg/kg | 03.05.2021 19:43 |      |
| o-Xylene     | <0.00200  | 0.100        | 0.106      | 106      | 0.0997      | 100       | 70-130 | 6    | 35        | mg/kg | 03.05.2021 19:43 |      |

| Surrogate            | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 88      |         | 102      |          | 101       |           | 70-130 | %     | 03.05.2021 19:43 |
| 4-Bromofluorobenzene | 96      |         | 99       |          | 99        |           | 70-130 | %     | 03.05.2021 19:43 |

## Analytical Method: BTEX by EPA 8021B

Seq Number: 3152743

Parent Sample Id: 690333-001

Matrix: Soil

MS Sample Id: 690333-001 S

Prep Method: SW5035A

Date Prep: 03.05.2021

MSD Sample Id: 690333-001 SD

| Parameter    | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.00198      | 0.0992       | 0.0104    | 10      | 0.00992    | 10       | 70-130 | 5    | 35        | mg/kg | 03.05.2021 20:24 | X    |
| Toluene      | <0.00198      | 0.0992       | 0.00596   | 6       | 0.00559    | 6        | 70-130 | 6    | 35        | mg/kg | 03.05.2021 20:24 | X    |
| Ethylbenzene | <0.00198      | 0.0992       | 0.00545   | 5       | 0.00462    | 5        | 70-130 | 16   | 35        | mg/kg | 03.05.2021 20:24 | X    |
| m,p-Xylenes  | <0.00397      | 0.198        | 0.0118    | 6       | 0.00985    | 5        | 70-130 | 18   | 35        | mg/kg | 03.05.2021 20:24 | X    |
| o-Xylene     | <0.00198      | 0.0992       | 0.00919   | 9       | 0.00772    | 8        | 70-130 | 17   | 35        | mg/kg | 03.05.2021 20:24 | X    |

| Surrogate            | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 99      |         | 98       |          | 70-130 | %     | 03.05.2021 20:24 |
| 4-Bromofluorobenzene | 105     |         | 101      |          | 70-130 | %     | 03.05.2021 20:24 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## Chain of Custody

Work Order No: 69D333

Page 1 of 1

|                  |                     |                         |                            |
|------------------|---------------------|-------------------------|----------------------------|
| Project Manager: | Mike Carmona        | Bill to: (if different) | James Kennedy              |
| Company Name:    | NTG Environmental   | Company Name:           | EOG Resources              |
| Address:         | 701 Tradewinds BLVD | Address:                | 5509 Champions Dr          |
| City, State ZIP: | Midland, TX 79706   | City, State ZIP:        | Midland, Tx 79706          |
| Phone:           | 432-813-0263        | Email:                  | James_Kennedy@eogresources |

| Work Order Comments                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> upfund <input type="checkbox"/>       |  |
| State of Project:                                                                                                                                                              |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                               |  |

|                                                                   |  |                           |                                                                              |                          |
|-------------------------------------------------------------------|--|---------------------------|------------------------------------------------------------------------------|--------------------------|
| Project Name:                                                     |  | Ophelia 27 #501H 1RP-3747 | Turn Around                                                                  |                          |
| Project Number:                                                   |  | 213977                    | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |                          |
| Project Location                                                  |  | Lea Co. NM                | Due Date: 22 Apr                                                             |                          |
| Sampler's Name:                                                   |  | Conner M                  | TAT starts the day received by the lab, if received by 4:30pm                |                          |
| PO #:                                                             |  |                           |                                                                              |                          |
| SAMPLE RECEIPT                                                    |  | Temp Blank:               | Yes No                                                                       | (Yes) Wet Ice: (Yes) No  |
| Received intact:                                                  |  | (Yes) No                  | Thermometer ID:                                                              | 1129                     |
| Cooler Custody Seals:                                             |  | Yes No                    | Correction Factor:                                                           | 0.5                      |
| Sample Custody Seals:                                             |  | Yes No                    | N/A                                                                          | Temperature Reading: 3.5 |
| Total Containers:                                                 |  |                           | Corrected Temperature:                                                       | 4.0                      |
| Parameters                                                        |  |                           |                                                                              |                          |
| BTEx 8021B                                                        |  |                           |                                                                              |                          |
| 8015M ( GRO + DRO + MRO)                                          |  |                           |                                                                              |                          |
| Chlordie 300.0                                                    |  |                           |                                                                              |                          |
| HOLD                                                              |  |                           |                                                                              |                          |
| Preservative Codes                                                |  |                           |                                                                              |                          |
| None: NO DI Water: H <sub>2</sub> O                               |  |                           |                                                                              |                          |
| Cool: Cool MeOH: Me                                               |  |                           |                                                                              |                          |
| HCL: HC HNO <sub>3</sub> : HN                                     |  |                           |                                                                              |                          |
| H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |  |                           |                                                                              |                          |
| H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                           |                                                                              |                          |
| NaHSO <sub>4</sub> : NABIS                                        |  |                           |                                                                              |                          |
| Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NASO <sub>3</sub> |  |                           |                                                                              |                          |
| Zn Acetate+NaOH: Zn                                               |  |                           |                                                                              |                          |
| NaOH+Ascorbic Acid: SAPC                                          |  |                           |                                                                              |                          |

[illegible]

Additoinal Comments:

Notices: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| 1 <i>Conan Murray</i>        | <i>[Signature]</i>       | 3/4/21    | 2                            |                          |           |
| 3                            |                          | 955       | 4                            |                          |           |
| 5                            |                          |           | 6                            |                          |           |

# Eurofins Xenco, LLC

## Prelogin/Nonconformance Report- Sample Log-In

Client: NT Global

Date/ Time Received: 03.04.2021 09.58.00 AM

Work Order #: 690333

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

| Sample Receipt Checklist                                | Comments |
|---------------------------------------------------------|----------|
| #1 *Temperature of cooler(s)?                           | 4        |
| #2 *Shipping container in good condition?               | Yes      |
| #3 *Samples received on ice?                            | Yes      |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A      |
| #5 Custody Seals intact on sample bottles?              | N/A      |
| #6 *Custody Seals Signed and dated?                     | N/A      |
| #7 *Chain of Custody present?                           | Yes      |
| #8 Any missing/extra samples?                           | No       |
| #9 Chain of Custody signed when relinquished/ received? | Yes      |
| #10 Chain of Custody agrees with sample labels/matrix?  | Yes      |
| #11 Container label(s) legible and intact?              | Yes      |
| #12 Samples in proper container/ bottle?                | Yes      |
| #13 Samples properly preserved?                         | Yes      |
| #14 Sample container(s) intact?                         | Yes      |
| #15 Sufficient sample amount for indicated test(s)?     | Yes      |
| #16 All samples received within hold time?              | Yes      |
| #17 Subcontract of sample(s)?                           | N/A      |
| #18 Water VOC samples have zero headspace?              | N/A      |

\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 03.04.2021

Checklist reviewed by:



Jessica Kramer

Date: 03.04.2021

# Analytical Report 690337

for

**NT Global**

**Project Manager: Mike Carmona**

**Ophelia 27 #501h 1RP-3747**

**213977**

**03.08.2021**

Collected By: Client



**1211 W. Florida Ave  
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):  
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)  
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):  
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)  
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)  
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)  
Xenco-Carlsbad (LELAP): Louisiana (05092)  
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)  
Xenco-Tampa: Florida (E87429), North Carolina (483)



03.08.2021

Project Manager: **Mike Carmona**

**NT Global**

701 Tradewinds Blvd

Midland, TX 79706

Reference: Eurofins Xenco, LLC Report No(s): **690337**

**Ophelia 27 #501h 1RP-3747**

Project Address: Lea Co, NM

**Mike Carmona:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 690337. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 690337 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Jessica Kramer".

---

**Jessica Kramer**

Project Manager

*A Small Business and Minority Company*

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 690337****NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

| Sample Id    | Matrix | Date Collected   | Sample Depth | Lab Sample Id |
|--------------|--------|------------------|--------------|---------------|
| S-1 (0-6')   | S      | 03.02.2021 00:00 |              | 690337-001    |
| S-2 (0-6')   | S      | 03.02.2021 00:00 |              | 690337-002    |
| S-3 (0-6')   | S      | 03.02.2021 00:00 |              | 690337-003    |
| S-4 (0-1')   | S      | 03.02.2021 00:00 |              | 690337-004    |
| S-4 (1-1.5') | S      | 03.02.2021 00:00 |              | 690337-005    |
| S-5 (0-1')   | S      | 03.02.2021 00:00 |              | 690337-006    |
| S-5 (1-1.5') | S      | 03.02.2021 00:00 |              | 690337-007    |
| S-6(0-1')    | S      | 03.02.2021 00:00 |              | 690337-008    |
| S-6 (1-1.5') | S      | 03.02.2021 00:00 |              | 690337-009    |

## Certificate of Analysis Summary 690337

NT Global, Midland, TX

Project Name: Ophelia 27 #501h 1RP-3747

Project Id: 213977  
 Contact: Mike Carmona  
 Project Location: Lea Co, NM

Date Received in Lab: Thu 03.04.2021 09:58

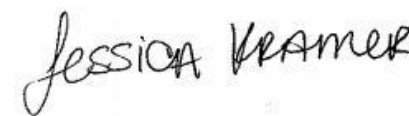
Report Date: 03.08.2021 17:48

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                | <i>Lab Id:</i>    | 690337-001       | 690337-002       | 690337-003       | 690337-004       | 690337-005       | 690337-006       |
|------------------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                          | <i>Field Id:</i>  | S-1 (0-6')       | S-2 (0-6')       | S-3 (0-6')       | S-4 (0-1')       | S-4 (1-1.5')     | S-5 (0-1')       |
|                                          | <i>Depth:</i>     |                  |                  |                  |                  |                  |                  |
|                                          | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             | SOIL             |
|                                          | <i>Sampled:</i>   | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 |
| <b>BTEX by EPA 8021B</b>                 | <i>Extracted:</i> | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 |
|                                          | <i>Analyzed:</i>  | 03.06.2021 00:06 | 03.06.2021 00:27 | 03.06.2021 00:47 | 03.06.2021 01:08 | 03.06.2021 02:31 | 03.06.2021 02:51 |
|                                          | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Benzene                                  |                   | <0.00201 0.00201 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00202 0.00202 | <0.00200 0.00200 |
| Toluene                                  |                   | <0.00201 0.00201 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00202 0.00202 | <0.00200 0.00200 |
| Ethylbenzene                             |                   | <0.00201 0.00201 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00202 0.00202 | <0.00200 0.00200 |
| m,p-Xylenes                              |                   | <0.00402 0.00402 | <0.00398 0.00398 | <0.00400 0.00400 | <0.00403 0.00403 | <0.00403 0.00403 | <0.00399 0.00399 |
| o-Xylene                                 |                   | <0.00201 0.00201 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00202 0.00202 | <0.00200 0.00200 |
| Total Xylenes                            |                   | <0.00201 0.00201 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00202 0.00202 | <0.00200 0.00200 |
| Total BTEX                               |                   | <0.00201 0.00201 | <0.00199 0.00199 | <0.00200 0.00200 | <0.00202 0.00202 | <0.00202 0.00202 | <0.00200 0.00200 |
| <b>Inorganic Anions by EPA 300/300.1</b> | <i>Extracted:</i> | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:00 |
|                                          | <i>Analyzed:</i>  | 03.05.2021 05:49 | 03.05.2021 06:06 | 03.05.2021 06:11 | 03.05.2021 06:16 | 03.05.2021 06:21 | 03.05.2021 06:27 |
|                                          | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Chloride                                 |                   | 53.8 4.97        | 54.7 4.95        | 8.03 5.02        | 8.01 4.96        | 9.60 5.04        | 7.70 5.00        |
| <b>TPH By SW8015 Mod</b>                 | <i>Extracted:</i> | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.05.2021 12:00 |
|                                          | <i>Analyzed:</i>  | 03.05.2021 13:50 | 03.05.2021 14:55 | 03.05.2021 15:16 | 03.05.2021 15:44 | 03.05.2021 16:05 | 03.05.2021 16:27 |
|                                          | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)        |                   | <50.0 50.0       | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       | <50.0 50.0       |
| Diesel Range Organics (DRO)              |                   | <50.0 50.0       | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       | <50.0 50.0       |
| Motor Oil Range Hydrocarbons (MRO)       |                   | <50.0 50.0       | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       | <50.0 50.0       |
| Total TPH                                |                   | <50.0 50.0       | <49.8 49.8       | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       | <50.0 50.0       |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



## Certificate of Analysis Summary 690337

NT Global, Midland, TX

Project Name: Ophelia 27 #501h 1RP-3747

Project Id: 213977  
 Contact: Mike Carmona  
 Project Location: Lea Co, NM

Date Received in Lab: Thu 03.04.2021 09:58  
 Report Date: 03.08.2021 17:48  
 Project Manager: Jessica Kramer

|                                          |                   |                  |                  |                  |  |  |  |
|------------------------------------------|-------------------|------------------|------------------|------------------|--|--|--|
| <b>Analysis Requested</b>                | <b>Lab Id:</b>    | 690337-007       | 690337-008       | 690337-009       |  |  |  |
|                                          | <b>Field Id:</b>  | S-5 (1-1.5')     | S-6(0-1')        | S-6 (1-1.5')     |  |  |  |
|                                          | <b>Depth:</b>     |                  |                  |                  |  |  |  |
|                                          | <b>Matrix:</b>    | SOIL             | SOIL             | SOIL             |  |  |  |
|                                          | <b>Sampled:</b>   | 03.02.2021 00:00 | 03.02.2021 00:00 | 03.02.2021 00:00 |  |  |  |
| <b>BTEX by EPA 8021B</b>                 | <b>Extracted:</b> | 03.05.2021 16:00 | 03.05.2021 16:00 | 03.05.2021 16:00 |  |  |  |
|                                          | <b>Analyzed:</b>  | 03.06.2021 03:12 | 03.06.2021 03:32 | 03.06.2021 03:52 |  |  |  |
|                                          | <b>Units/RL:</b>  | mg/kg RL         | mg/kg RL         | mg/kg RL         |  |  |  |
| Benzene                                  |                   | <0.00201 0.00201 | <0.00202 0.00202 | <0.00200 0.00200 |  |  |  |
| Toluene                                  |                   | <0.00201 0.00201 | <0.00202 0.00202 | <0.00200 0.00200 |  |  |  |
| Ethylbenzene                             |                   | <0.00201 0.00201 | <0.00202 0.00202 | <0.00200 0.00200 |  |  |  |
| m,p-Xylenes                              |                   | <0.00402 0.00402 | <0.00404 0.00404 | <0.00401 0.00401 |  |  |  |
| o-Xylene                                 |                   | <0.00201 0.00201 | <0.00202 0.00202 | <0.00200 0.00200 |  |  |  |
| Total Xylenes                            |                   | <0.00201 0.00201 | <0.00202 0.00202 | <0.00200 0.00200 |  |  |  |
| Total BTEX                               |                   | <0.00201 0.00201 | <0.00202 0.00202 | <0.00200 0.00200 |  |  |  |
| <b>Inorganic Anions by EPA 300/300.1</b> | <b>Extracted:</b> | 03.04.2021 19:00 | 03.04.2021 19:00 | 03.04.2021 19:20 |  |  |  |
|                                          | <b>Analyzed:</b>  | 03.05.2021 06:32 | 03.05.2021 06:37 | 03.05.2021 07:09 |  |  |  |
|                                          | <b>Units/RL:</b>  | mg/kg RL         | mg/kg RL         | mg/kg RL         |  |  |  |
| Chloride                                 |                   | 7.89 4.99        | 8.20 5.05        | 7.98 4.99        |  |  |  |
| <b>TPH By SW8015 Mod</b>                 | <b>Extracted:</b> | 03.05.2021 12:00 | 03.05.2021 12:00 | 03.05.2021 12:00 |  |  |  |
|                                          | <b>Analyzed:</b>  | 03.05.2021 16:48 | 03.05.2021 17:09 | 03.05.2021 17:31 |  |  |  |
|                                          | <b>Units/RL:</b>  | mg/kg RL         | mg/kg RL         | mg/kg RL         |  |  |  |
| Gasoline Range Hydrocarbons (GRO)        |                   | <50.0 50.0       | 74.6 50.0        | <49.9 49.9       |  |  |  |
| Diesel Range Organics (DRO)              |                   | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       |  |  |  |
| Motor Oil Range Hydrocarbons (MRO)       |                   | <50.0 50.0       | <50.0 50.0       | <49.9 49.9       |  |  |  |
| Total TPH                                |                   | <50.0 50.0       | 74.6 50.0        | <49.9 49.9       |  |  |  |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico





## CASE NARRATIVE

**Client Name:** NT Global

**Project Name:** Ophelia 27 #501h 1RP-3747

Project ID: 213977  
Work Order Number(s): 690337

Report Date: 03.08.2021  
Date Received: 03.04.2021

---

**Sample receipt non conformances and comments:**

---

**Sample receipt non conformances and comments per sample:**

None



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-1 (0-6')**  
Lab Sample Id: 690337-001

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 53.8   | 4.97 | mg/kg | 03.05.2021 05:49 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <50.0             | 50.0         | mg/kg         | 03.05.2021 13:50     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <50.0             | 50.0         | mg/kg         | 03.05.2021 13:50     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <50.0             | 50.0         | mg/kg         | 03.05.2021 13:50     | U           | 1   |
| Total TPH                          | PHC635            | <50.0             | 50.0         | mg/kg         | 03.05.2021 13:50     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 102               | %            | 70-130        | 03.05.2021 13:50     |             |     |
| o-Terphenyl                        | 84-15-1           | 99                | %            | 70-130        | 03.05.2021 13:50     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-1 (0-6')**  
Lab Sample Id: 690337-001

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00201          | 0.00201      | mg/kg         | 03.06.2021 00:06     | U           | 1   |
| Toluene              | 108-88-3          | <0.00201          | 0.00201      | mg/kg         | 03.06.2021 00:06     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00201          | 0.00201      | mg/kg         | 03.06.2021 00:06     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00402          | 0.00402      | mg/kg         | 03.06.2021 00:06     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00201          | 0.00201      | mg/kg         | 03.06.2021 00:06     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00201          | 0.00201      | mg/kg         | 03.06.2021 00:06     | U           | 1   |
| Total BTEX           |                   | <0.00201          | 0.00201      | mg/kg         | 03.06.2021 00:06     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 93                | %            | 70-130        | 03.06.2021 00:06     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 105               | %            | 70-130        | 03.06.2021 00:06     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-2 (0-6')**  
Lab Sample Id: 690337-002

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 54.7   | 4.95 | mg/kg | 03.05.2021 06:06 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <49.8             | 49.8         | mg/kg         | 03.05.2021 14:55     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <49.8             | 49.8         | mg/kg         | 03.05.2021 14:55     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <49.8             | 49.8         | mg/kg         | 03.05.2021 14:55     | U           | 1   |
| Total TPH                          | PHC635            | <49.8             | 49.8         | mg/kg         | 03.05.2021 14:55     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 103               | %            | 70-130        | 03.05.2021 14:55     |             |     |
| o-Terphenyl                        | 84-15-1           | 102               | %            | 70-130        | 03.05.2021 14:55     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-2 (0-6')**  
Lab Sample Id: 690337-002

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 03.06.2021 00:27     | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 03.06.2021 00:27     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 03.06.2021 00:27     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 03.06.2021 00:27     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 03.06.2021 00:27     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 03.06.2021 00:27     | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 03.06.2021 00:27     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 102               | %            | 70-130        | 03.06.2021 00:27     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 94                | %            | 70-130        | 03.06.2021 00:27     |             |     |



# Certificate of Analytical Results 690337

## NT Global, Midland, TX

Ophelia 27 #501h 1RP-3747

Sample Id: **S-3 (0-6')**  
Lab Sample Id: 690337-003

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.03   | 5.02 | mg/kg | 03.05.2021 06:11 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.05.2021 15:16 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.05.2021 15:16 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.05.2021 15:16 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.05.2021 15:16 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 96         | %     | 70-130 | 03.05.2021 15:16 |      |
| o-Terphenyl    | 84-15-1    | 94         | %     | 70-130 | 03.05.2021 15:16 |      |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-3 (0-6')**  
Lab Sample Id: 690337-003

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 00:47     | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 00:47     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 00:47     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00400          | 0.00400      | mg/kg         | 03.06.2021 00:47     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 00:47     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 00:47     | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 00:47     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 100               | %            | 70-130        | 03.06.2021 00:47     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 94                | %            | 70-130        | 03.06.2021 00:47     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-4 (0-1')**  
Lab Sample Id: 690337-004

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.01   | 4.96 | mg/kg | 03.05.2021 06:16 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <50.0  | 50.0 | mg/kg | 03.05.2021 15:44 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <50.0  | 50.0 | mg/kg | 03.05.2021 15:44 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <50.0  | 50.0 | mg/kg | 03.05.2021 15:44 | U    | 1   |
| Total TPH                          | PHC635     | <50.0  | 50.0 | mg/kg | 03.05.2021 15:44 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3   | 92         | %     | 70-130 | 03.05.2021 15:44 |      |
| o-Terphenyl    | 84-15-1    | 88         | %     | 70-130 | 03.05.2021 15:44 |      |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-4 (0-1')**  
Lab Sample Id: 690337-004

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 01:08     | U           | 1   |
| Toluene              | 108-88-3          | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 01:08     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 01:08     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00403          | 0.00403      | mg/kg         | 03.06.2021 01:08     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 01:08     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 01:08     | U           | 1   |
| Total BTEX           |                   | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 01:08     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 99                | %            | 70-130        | 03.06.2021 01:08     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 93                | %            | 70-130        | 03.06.2021 01:08     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-4 (1-1.5')**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690337-005

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 9.60   | 5.04 | mg/kg | 03.05.2021 06:21 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <49.9             | 49.9         | mg/kg         | 03.05.2021 16:05     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <49.9             | 49.9         | mg/kg         | 03.05.2021 16:05     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <49.9             | 49.9         | mg/kg         | 03.05.2021 16:05     | U           | 1   |
| Total TPH                          | PHC635            | <49.9             | 49.9         | mg/kg         | 03.05.2021 16:05     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 90                | %            | 70-130        | 03.05.2021 16:05     |             |     |
| o-Terphenyl                        | 84-15-1           | 88                | %            | 70-130        | 03.05.2021 16:05     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-4 (1-1.5')**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690337-005

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Seq Number: 3152743

Basis: Wet Weight

| Parameter     | Cas Number  | Result   | RL      | Units | Analysis Date    | Flag | Dil |
|---------------|-------------|----------|---------|-------|------------------|------|-----|
| Benzene       | 71-43-2     | <0.00202 | 0.00202 | mg/kg | 03.06.2021 02:31 | U    | 1   |
| Toluene       | 108-88-3    | <0.00202 | 0.00202 | mg/kg | 03.06.2021 02:31 | U    | 1   |
| Ethylbenzene  | 100-41-4    | <0.00202 | 0.00202 | mg/kg | 03.06.2021 02:31 | U    | 1   |
| m,p-Xylenes   | 179601-23-1 | <0.00403 | 0.00403 | mg/kg | 03.06.2021 02:31 | U    | 1   |
| o-Xylene      | 95-47-6     | <0.00202 | 0.00202 | mg/kg | 03.06.2021 02:31 | U    | 1   |
| Total Xylenes | 1330-20-7   | <0.00202 | 0.00202 | mg/kg | 03.06.2021 02:31 | U    | 1   |
| Total BTEX    |             | <0.00202 | 0.00202 | mg/kg | 03.06.2021 02:31 | U    | 1   |

| Surrogate            | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 1,4-Difluorobenzene  | 540-36-3   | 93         | %     | 70-130 | 03.06.2021 02:31 |      |
| 4-Bromofluorobenzene | 460-00-4   | 94         | %     | 70-130 | 03.06.2021 02:31 |      |



# Certificate of Analytical Results 690337

## NT Global, Midland, TX

Ophelia 27 #501h 1RP-3747

Sample Id: S-5 (0-1')  
Lab Sample Id: 690337-006

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 7.70   | 5.00 | mg/kg | 03.05.2021 06:27 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:27     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:27     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:27     | U           | 1   |
| Total TPH                          | PHC635            | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:27     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 91                | %            | 70-130        | 03.05.2021 16:27     |             |     |
| o-Terphenyl                        | 84-15-1           | 89                | %            | 70-130        | 03.05.2021 16:27     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-5 (0-1')**  
Lab Sample Id: 690337-006

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 02:51     | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 02:51     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 02:51     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00399          | 0.00399      | mg/kg         | 03.06.2021 02:51     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 02:51     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 02:51     | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 02:51     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 95                | %            | 70-130        | 03.06.2021 02:51     |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 96                | %            | 70-130        | 03.06.2021 02:51     |             |     |



# Certificate of Analytical Results 690337

## NT Global, Midland, TX

Ophelia 27 #501h 1RP-3747

Sample Id: S-5 (1-1.5')

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690337-007

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 7.89   | 4.99 | mg/kg | 03.05.2021 06:32 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:48     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:48     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:48     | U           | 1   |
| Total TPH                          | PHC635            | <50.0             | 50.0         | mg/kg         | 03.05.2021 16:48     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 92                | %            | 70-130        | 03.05.2021 16:48     |             |     |
| o-Terphenyl                        | 84-15-1           | 89                | %            | 70-130        | 03.05.2021 16:48     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-5 (1-1.5')**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690337-007

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152743

| Parameter     | Cas Number  | Result   | RL      | Units | Analysis Date    | Flag | Dil |
|---------------|-------------|----------|---------|-------|------------------|------|-----|
| Benzene       | 71-43-2     | <0.00201 | 0.00201 | mg/kg | 03.06.2021 03:12 | U    | 1   |
| Toluene       | 108-88-3    | <0.00201 | 0.00201 | mg/kg | 03.06.2021 03:12 | U    | 1   |
| Ethylbenzene  | 100-41-4    | <0.00201 | 0.00201 | mg/kg | 03.06.2021 03:12 | U    | 1   |
| m,p-Xylenes   | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 03.06.2021 03:12 | U    | 1   |
| o-Xylene      | 95-47-6     | <0.00201 | 0.00201 | mg/kg | 03.06.2021 03:12 | U    | 1   |
| Total Xylenes | 1330-20-7   | <0.00201 | 0.00201 | mg/kg | 03.06.2021 03:12 | U    | 1   |
| Total BTEX    |             | <0.00201 | 0.00201 | mg/kg | 03.06.2021 03:12 | U    | 1   |

| Surrogate            | Cas Number | % Recovery | Units | Limits | Analysis Date    | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 1,4-Difluorobenzene  | 540-36-3   | 93         | %     | 70-130 | 03.06.2021 03:12 |      |
| 4-Bromofluorobenzene | 460-00-4   | 96         | %     | 70-130 | 03.06.2021 03:12 |      |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-6(0-1')**  
Lab Sample Id: 690337-008

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152651

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 8.20   | 5.05 | mg/kg | 03.05.2021 06:37 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152840

| Parameter                                | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| <b>Gasoline Range Hydrocarbons (GRO)</b> | PHC610            | 74.6              | 50.0         | mg/kg         | 03.05.2021 17:09     |             | 1   |
| Diesel Range Organics (DRO)              | C10C28DRO         | <50.0             | 50.0         | mg/kg         | 03.05.2021 17:09     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO)       | PHCG2835          | <50.0             | 50.0         | mg/kg         | 03.05.2021 17:09     | U           | 1   |
| <b>Total TPH</b>                         | PHC635            | 74.6              | 50.0         | mg/kg         | 03.05.2021 17:09     |             | 1   |
| <b>Surrogate</b>                         | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                           | 111-85-3          | 130               | %            | 70-130        | 03.05.2021 17:09     |             |     |
| o-Terphenyl                              | 84-15-1           | 118               | %            | 70-130        | 03.05.2021 17:09     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-6(0-1')**  
Lab Sample Id: 690337-008

Matrix: Soil  
Date Collected: 03.02.2021 00:00

Date Received: 03.04.2021 09:58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:  
Basis: Wet Weight

Seq Number: 3152743

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 03:32     | U           | 1   |
| Toluene              | 108-88-3          | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 03:32     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 03:32     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00404          | 0.00404      | mg/kg         | 03.06.2021 03:32     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 03:32     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 03:32     | U           | 1   |
| Total BTEX           |                   | <0.00202          | 0.00202      | mg/kg         | 03.06.2021 03:32     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 101               | %            | 70-130        | 03.06.2021 03:32     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 93                | %            | 70-130        | 03.06.2021 03:32     |             |     |



# Certificate of Analytical Results 690337

## NT Global, Midland, TX

Ophelia 27 #501h 1RP-3747

Sample Id: **S-6 (1-1.5')**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690337-009

Date Collected: 03.02.2021 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

Analyst: CHE

Date Prep: 03.04.2021 19:20

% Moisture:

Basis: Wet Weight

Seq Number: 3152661

| Parameter | Cas Number | Result | RL   | Units | Analysis Date    | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride  | 16887-00-6 | 7.98   | 4.99 | mg/kg | 03.05.2021 07:09 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 03.05.2021 12:00

% Moisture:

Basis: Wet Weight

Seq Number: 3152840

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <49.9             | 49.9         | mg/kg         | 03.05.2021 17:31     | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <49.9             | 49.9         | mg/kg         | 03.05.2021 17:31     | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <49.9             | 49.9         | mg/kg         | 03.05.2021 17:31     | U           | 1   |
| Total TPH                          | PHC635            | <49.9             | 49.9         | mg/kg         | 03.05.2021 17:31     | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 96                | %            | 70-130        | 03.05.2021 17:31     |             |     |
| o-Terphenyl                        | 84-15-1           | 93                | %            | 70-130        | 03.05.2021 17:31     |             |     |



# Certificate of Analytical Results 690337

**NT Global, Midland, TX**

Ophelia 27 #501h 1RP-3747

Sample Id: **S-6 (1-1.5')**

Matrix: Soil

Date Received: 03.04.2021 09:58

Lab Sample Id: 690337-009

Date Collected: 03.02.2021 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 03.05.2021 16:00

% Moisture:

Seq Number: 3152743

Basis: Wet Weight

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 03:52     | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 03:52     | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 03:52     | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00401          | 0.00401      | mg/kg         | 03.06.2021 03:52     | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 03:52     | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 03:52     | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 03.06.2021 03:52     | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 98                | %            | 70-130        | 03.06.2021 03:52     |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 94                | %            | 70-130        | 03.06.2021 03:52     |             |     |

## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\*\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.      **ND** Not Detected.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

**SMP** Client Sample      **BLK** Method Blank

**BKS/LCS** Blank Spike/Laboratory Control Sample      **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

**MD/SD** Method Duplicate/Sample Duplicate      **MS** Matrix Spike      **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

\* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



## NT Global

### Ophelia 27 #501h 1RP-3747

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152651

Matrix: Solid

Prep Method: E300P

Date Prep: 03.04.2021

MB Sample Id: 7722549-1-BLK

LCS Sample Id: 7722549-1-BKS

LCSD Sample Id: 7722549-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride  | <5.00     | 250          | 240        | 96       | 240         | 96        | 90-110 | 0    | 20        | mg/kg | 03.05.2021 04:03 |      |

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152661

Matrix: Solid

Prep Method: E300P

Date Prep: 03.04.2021

MB Sample Id: 7722551-1-BLK

LCS Sample Id: 7722551-1-BKS

LCSD Sample Id: 7722551-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride  | <5.00     | 250          | 242        | 97       | 242         | 97        | 90-110 | 0    | 20        | mg/kg | 03.05.2021 06:59 |      |

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152651

Matrix: Soil

Prep Method: E300P

Date Prep: 03.04.2021

Parent Sample Id: 690144-013

MS Sample Id: 690144-013 S

MSD Sample Id: 690144-013 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 14.4          | 250          | 261       | 99      | 261        | 99       | 90-110 | 0    | 20        | mg/kg | 03.05.2021 04:19 |      |

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152651

Matrix: Soil

Prep Method: E300P

Date Prep: 03.04.2021

Parent Sample Id: 690333-005

MS Sample Id: 690333-005 S

MSD Sample Id: 690333-005 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 8.18          | 252          | 256       | 98      | 256        | 98       | 90-110 | 0    | 20        | mg/kg | 03.05.2021 05:34 |      |

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152661

Matrix: Soil

Prep Method: E300P

Date Prep: 03.04.2021

Parent Sample Id: 690337-009

MS Sample Id: 690337-009 S

MSD Sample Id: 690337-009 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 7.98          | 250          | 261       | 101     | 262        | 102      | 90-110 | 0    | 20        | mg/kg | 03.05.2021 07:15 |      |

**Analytical Method: Inorganic Anions by EPA 300/300.1**

Seq Number: 3152661

Matrix: Soil

Prep Method: E300P

Date Prep: 03.04.2021

Parent Sample Id: 690339-006

MS Sample Id: 690339-006 S

MSD Sample Id: 690339-006 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride  | 19.3          | 249          | 267       | 99      | 268        | 100      | 90-110 | 0    | 20        | mg/kg | 03.05.2021 08:29 |      |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



## NT Global

### Ophelia 27 #501h 1RP-3747

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3152840

MB Sample Id: 7722738-1-BLK

Matrix: Solid

LCS Sample Id: 7722738-1-BKS

Prep Method: SW8015P

Date Prep: 03.05.2021

LCSD Sample Id: 7722738-1-BSD

| Parameter                         | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0     | 1000         | 1020       | 102      | 1010        | 101       | 70-130 | 1    | 20        | mg/kg | 03.05.2021 13:08 |      |
| Diesel Range Organics (DRO)       | <50.0     | 1000         | 881        | 88       | 849         | 85        | 70-130 | 4    | 20        | mg/kg | 03.05.2021 13:08 |      |

| Surrogate      | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 78      |         | 84       |          | 82        |           | 70-130 | %     | 03.05.2021 13:08 |
| o-Terphenyl    | 74      |         | 81       |          | 77        |           | 70-130 | %     | 03.05.2021 13:08 |

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3152840

Matrix: Solid

MB Sample Id: 7722738-1-BLK

Prep Method: SW8015P

Date Prep: 03.05.2021

| Parameter                          | MB Result | Units | Analysis Date    | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0     | mg/kg | 03.05.2021 12:46 |      |

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3152840

Matrix: Soil

Parent Sample Id: 690337-001

MS Sample Id: 690337-001 S

Prep Method: SW8015P

Date Prep: 03.05.2021

MSD Sample Id: 690337-001 SD

| Parameter                         | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0         | 1000         | 1260      | 126     | 1280       | 128      | 70-130 | 2    | 20        | mg/kg | 03.05.2021 14:12 |      |
| Diesel Range Organics (DRO)       | <50.0         | 1000         | 1120      | 112     | 1130       | 113      | 70-130 | 1    | 20        | mg/kg | 03.05.2021 14:12 |      |

| Surrogate      | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 112     |         | 114      |          | 70-130 | %     | 03.05.2021 14:12 |
| o-Terphenyl    | 109     |         | 111      |          | 70-130 | %     | 03.05.2021 14:12 |

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3152743

Matrix: Solid

MB Sample Id: 7722661-1-BLK

LCS Sample Id: 7722661-1-BKS

Prep Method: SW5035A

Date Prep: 03.05.2021

LCSD Sample Id: 7722661-1-BSD

| Parameter    | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.00200  | 0.100        | 0.107      | 107      | 0.100       | 100       | 70-130 | 7    | 35        | mg/kg | 03.05.2021 19:43 |      |
| Toluene      | <0.00200  | 0.100        | 0.101      | 101      | 0.0946      | 95        | 70-130 | 7    | 35        | mg/kg | 03.05.2021 19:43 |      |
| Ethylbenzene | <0.00200  | 0.100        | 0.106      | 106      | 0.100       | 100       | 70-130 | 6    | 35        | mg/kg | 03.05.2021 19:43 |      |
| m,p-Xylenes  | <0.00400  | 0.200        | 0.213      | 107      | 0.200       | 100       | 70-130 | 6    | 35        | mg/kg | 03.05.2021 19:43 |      |
| o-Xylene     | <0.00200  | 0.100        | 0.106      | 106      | 0.0997      | 100       | 70-130 | 6    | 35        | mg/kg | 03.05.2021 19:43 |      |

| Surrogate            | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 88      |         | 102      |          | 101       |           | 70-130 | %     | 03.05.2021 19:43 |
| 4-Bromofluorobenzene | 96      |         | 99       |          | 99        |           | 70-130 | %     | 03.05.2021 19:43 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

[D] = 100\*(C-A) / B  
RPD = 200\* | (C-E) / (C+E) |  
[D] = 100 \* (C) / [B]  
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
A = Parent Result  
C = MS/LCS Result  
E = MSD/LCSD Result

MS = Matrix Spike  
B = Spike Added  
D = MSD/LCSD % Rec



**NT Global**  
Ophelia 27 #501h 1RP-3747

**Analytical Method:** BTEX by EPA 8021B

Seq Number: 3152743

Parent Sample Id: 690333-001

Matrix: Soil

MS Sample Id: 690333-001 S

Prep Method: SW5035A

Date Prep: 03.05.2021

MSD Sample Id: 690333-001 SD

| Parameter    | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date    | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene      | <0.00198      | 0.0992       | 0.0104    | 10      | 0.00992    | 10       | 70-130 | 5    | 35        | mg/kg | 03.05.2021 20:24 | X    |
| Toluene      | <0.00198      | 0.0992       | 0.00596   | 6       | 0.00559    | 6        | 70-130 | 6    | 35        | mg/kg | 03.05.2021 20:24 | X    |
| Ethylbenzene | <0.00198      | 0.0992       | 0.00545   | 5       | 0.00462    | 5        | 70-130 | 16   | 35        | mg/kg | 03.05.2021 20:24 | X    |
| m,p-Xylenes  | <0.00397      | 0.198        | 0.0118    | 6       | 0.00985    | 5        | 70-130 | 18   | 35        | mg/kg | 03.05.2021 20:24 | X    |
| o-Xylene     | <0.00198      | 0.0992       | 0.00919   | 9       | 0.00772    | 8        | 70-130 | 17   | 35        | mg/kg | 03.05.2021 20:24 | X    |

| Surrogate            | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date    |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene  | 99      |         | 98       |          | 70-130 | %     | 03.05.2021 20:24 |
| 4-Bromofluorobenzene | 105     |         | 101      |          | 70-130 | %     | 03.05.2021 20:24 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



Chain of Custody

Work Order No: 690337

Page 1 of 1

|                  |                     |                         |                                |
|------------------|---------------------|-------------------------|--------------------------------|
| Project Manager: | Mike Carmona        | Bill to: (if different) | James Kennedy                  |
| Company Name:    | NTG Environmental   | Company Name:           | EOG Resources                  |
| Address:         | 701 Tradewinds Blvd | Address:                | 5509 Champions Dr              |
| City, State ZIP: | Midland, TX 79706   | City, State ZIP:        | Midland, Tx 79706              |
| Phone:           | 432-813-0263        | Email:                  | James_Kennedy@eogresources.com |

|                                                                                                                                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                                                             |  |
| Program: <input type="checkbox"/> UST/PSR <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>            |  |
| State of Project:                                                                                                                                                                                               |  |
| Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PSR/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> Adapt <input type="checkbox"/> Other:                                                                                                       |  |

|                       |                                                                     |                                                               |                                                                     |            |                                                                     |                            |           |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
|-----------------------|---------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------|------------|---------------------------------------------------------------------|----------------------------|-----------|------------------------------|--|--|--|--|--|--|--|-------------------------------------------------------------------|--------------------|--|--|-----------------|--|
| Project Name:         | Ophelia 27 #501H 1RP-3747                                           | Turn Around                                                   |                                                                     | Pres. Code | ANALYSIS REQUEST                                                    |                            |           |                              |  |  |  |  |  |  |  |                                                                   | Preservative Codes |  |  |                 |  |
| Project Number:       | 213977                                                              | <input type="checkbox"/> Routine                              | <input checked="" type="checkbox"/> Rush                            |            | None: NO                                                            | DI Water: H <sub>2</sub> O |           |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| Project Location:     | Lea Co, NM                                                          | Due Date:                                                     | 7/2/24                                                              |            | Cool: Cool                                                          | MeOH: Me                   |           |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| Sampler's Name:       | Conner M                                                            | TAT starts the day received by the lab, if received by 4:30pm |                                                                     |            | HCL: HC                                                             | HNO <sub>3</sub> : HN      |           |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| PO #:                 |                                                                     |                                                               |                                                                     |            | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                     | NaOH: Na                   |           |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| SAMPLE RECEIPT        |                                                                     | Temp Blank:                                                   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                            |           |                              |  |  |  |  |  |  |  | HOLD                                                              |                    |  |  |                 |  |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                                               |                                                                     |            | 11/29                                                               |                            |           |                              |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                    |  |  |                 |  |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:                                            |                                                                     |            | 0.5                                                                 |                            |           |                              |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |                    |  |  |                 |  |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading:                                          |                                                                     |            | 3.5                                                                 |                            |           |                              |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                    |  |  |                 |  |
| Total Containers:     |                                                                     | Corrected Temperature:                                        |                                                                     |            | 4.0                                                                 |                            |           |                              |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |                    |  |  |                 |  |
|                       |                                                                     |                                                               |                                                                     |            |                                                                     |                            |           |                              |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |                    |  |  |                 |  |
| Sample Identification |                                                                     | Date                                                          | Time                                                                | Soil       | Water                                                               | Grab/Comp                  | # of Cont | Parameters                   |  |  |  |  |  |  |  |                                                                   |                    |  |  | Sample Comments |  |
| S-1 (0-6")            |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         | BTEX 8021B                   |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-2 (0-6")            |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         | TPH 8015M ( GRO + DRO + MRO) |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-3 (0-6")            |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         | Chlordie 300.0               |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-4 (0-1')            |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-4 (1-1.5')          |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-5 (0-1')            |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-5 (1-1.5')          |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-6 (0-1')            |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |
| S-6 (1-1.5')          |                                                                     | 3/2/2021                                                      |                                                                     | X          |                                                                     | Grab                       | 1         |                              |  |  |  |  |  |  |  |                                                                   |                    |  |  |                 |  |

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| <i>Conner M</i>              | <i>James Kennedy</i>     | 3/2/21    |                              |                          |           |
|                              |                          | 953       |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |

# Eurofins Xenco, LLC

## Prelogin/Nonconformance Report- Sample Log-In

Client: NT Global

Date/ Time Received: 03.04.2021 09.58.00 AM

Work Order #: 690337

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

| Sample Receipt Checklist                                | Comments |
|---------------------------------------------------------|----------|
| #1 *Temperature of cooler(s)?                           | 4        |
| #2 *Shipping container in good condition?               | Yes      |
| #3 *Samples received on ice?                            | Yes      |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A      |
| #5 Custody Seals intact on sample bottles?              | N/A      |
| #6 *Custody Seals Signed and dated?                     | N/A      |
| #7 *Chain of Custody present?                           | Yes      |
| #8 Any missing/extra samples?                           | No       |
| #9 Chain of Custody signed when relinquished/ received? | Yes      |
| #10 Chain of Custody agrees with sample labels/matrix?  | Yes      |
| #11 Container label(s) legible and intact?              | Yes      |
| #12 Samples in proper container/ bottle?                | Yes      |
| #13 Samples properly preserved?                         | Yes      |
| #14 Sample container(s) intact?                         | Yes      |
| #15 Sufficient sample amount for indicated test(s)?     | Yes      |
| #16 All samples received within hold time?              | Yes      |
| #17 Subcontract of sample(s)?                           | N/A      |
| #18 Water VOC samples have zero headspace?              | N/A      |

**\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 03.04.2021

Checklist reviewed by:



Jessica Kramer

Date: 03.04.2021



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

January 06, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: OPHELIA 27 #501H 1RP - 3747

Enclosed are the results of analyses for samples received by the laboratory on 01/05/23 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 01/05/2023  
 Reported: 01/06/2023  
 Project Name: OPHELIA 27 #501H 1RP - 3747  
 Project Number: NONE GIVEN  
 Project Location: EOG - LEA CO NM

Sampling Date: 01/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 ( 0.5' ) (H230055-01)**

| BTX 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           | 01/05/2023 | ND              | 2.06 | 103        | 2.00          | 0.772 |           |
| Toluene*       | <0.050 | 0.050           | 01/05/2023 | ND              | 2.24 | 112        | 2.00          | 1.07  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2023 | ND              | 2.23 | 112        | 2.00          | 0.394 |           |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2023 | ND              | 6.91 | 115        | 6.00          | 0.308 |           |
| Total BTX      | <0.300 | 0.300           | 01/05/2023 | ND              |      |            |               |       |           |

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 01/06/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2023 | ND              | 205 | 102        | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2023 | ND              | 200 | 100        | 200           | 4.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager

## Chain of Custody

Work Order No: H230055

Page 1 of 1

|                  |                             |                         |                                                                                    |
|------------------|-----------------------------|-------------------------|------------------------------------------------------------------------------------|
| Project Manager: | Conner Moehring             | Bill to: (if different) | James Kennedy                                                                      |
| Company Name:    | Carmona Resources           | Company Name:           | EOG Resources                                                                      |
| Address:         | 310 West Wall St. Suite 415 | Address:                | 5509 Champions Dr                                                                  |
| City, State ZIP: | Midland, TX 79701           | City, State ZIP:        | Midland, Tx 79706                                                                  |
| Phone:           | 432-813-6623                | Email:                  | <a href="mailto:James.Kennedy@eogresources.com">James.Kennedy@eogresources.com</a> |

| Work Order Comments                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>    |  |
| State of Project:                                                                                                                                                              |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                               |  |

[illegible][illegible]

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com), Clint Merritt [MerrittC@carmonaresources.com](mailto:MerrittC@carmonaresources.com)

|                              |            |                          |           |
|------------------------------|------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time  | Received by: (Signature) | Date/Time |
| <i>C. J. Smith</i>           | 11-23 1405 | <i>James A. Smith</i>    |           |

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

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

CONDITIONS  
  
Action 245291

CONDITIONS

|                                                                      |                                                           |
|----------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377                                            |
|                                                                      | Action Number:<br>245291                                  |
|                                                                      | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| amaxwell   | None      | 7/28/2023      |