STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF WHIPTAIL MIDSTREAM LLC FOR HEARING ON REMEDIATION AND CLOSURE PLAN, RIO ARRIBA COUNTY, NEW MEXICO

Case No. 22782

REPLY TO THE OIL CONSERVATION DIVISION'S RESPONSE TO WHIPTAIL MIDSTREAM LLC'S MOTION FOR SUMMARY JUDGMENT AND CLOSURE

Whiptail Midstream LLC, ("Whiptail"), through its undersigned attorneys, files its Reply to the Oil Conservation Division's ("Division" or "OCD") Response to Whiptail's Motion for Summary Judgment and Closure ("Whiptail's Reply") as it seeks final closure of Incident ID No. nAPP2125652492/Action ID No. 61609 as a matter of law under NMAC Title 19, Chapter 15, Part 29. In support of its Reply, Whiptail states the following:

I. Material facts regarding remediation are not in dispute.

1. Although OCD's Response disputes select details and descriptions of certain facts, the core set of material facts involved in this case -- clearly identifiable and ascertainable -- are not in dispute, as described in Sections I through IV herein.

2. In sum, WSP USA Inc. ("WSP"), an experienced environmental company hired by Whiptail for clean-up, remediation, and closure, measured the horizontal extent of the release based on observations and determinations of wetness and discoloration, in strict accordance with Rule 19.15.29.12(D)("Closure requirements"). *See* Whiptail's Motion for Summary Judgment and Closure ("Whiptail's Motion"), Exhibit 1 at p. 19. After determining the horizontal extent of the release, WSP provided the OCD a precise and detailed map outlining the extent, limits, and parameters of the release. *See* Whiptail's Motion, Exhibit 1 at p. 22, the map also attached hereto

as Exhibit A.

3. This map shows that the area of release is limited to the operation area of the transfer site, and in all but one small zone, designated on the map as SS33, limited to the transfer site pad itself. SS33 is a small area that, at most, is 60 feet in length and 20 feet wide, directly adjacent to and wrapping around a part of the corner of the transfer site pad, on a gravel surface that has been designed and compacted to facilitate access to and work on the transfer site from the gravel road; the road, void of all vegetation prior to the release, has itself been designed and built to facilitate access to the transfer site for operations, maintenance and repairs. Based on the data provided of record, it is an undisputed material fact that the scope and extent of the release area as measured by WSP is limited to the area needed for production operations; and therefore, it fits as a factual matter within the specifications of the "carve-out" that excepts "areas reasonable for production operations." *See* 19.15.29.13(D) NMAC. This determination is a question of fact that the Division, as fact finder, should find in favor of Whiptail.

II. Under the facts, Whiptail has satisfied the requirements in NMAC 19.15.29.12 for remediation and closure.

4. OCD's claim, that Rule 19.15.29.12(C)(2) is the more specific rule and therefore controls, is mistaken. *See* OCD's Response at ¶¶ 24 and 25. Rule 19.15.29.12(C)(2) clearly is the broader Rule in the regulatory scheme of Part 29, in that, it provides a general summary and overview of remediation plans under 19.15.29.12(C) in relation to reclamation requirements under 19.15.29.13. The Rule explains that, first, Whiptail must restore and remediate the subject area to meet the standards of Table I, and then, secondly, restore and reclaim the area pursuant to the extent and terms of Rule 19.15.29.13. Tellingly, 19.15.29.12(C)(2) does not mention or address "closure," "closure requirements," or the criteria by which closure is obtained, nor for that matter does 19.15.29.13, the Rule governing reclamation.

5. Rule 19.15.29.12(D) is the only rule that specifically addresses "Closure requirements," that a party must satisfy for any major or minor releases, by completing the following: (D)(1) test remediated area; (D)(1)(a) notify OCD of sampling; (D)(1)(b) submit sample plan for OCD review and approval; (D)(1)(c) consider alternative sample plan; and (D)(2) have release area closed based on meeting Table I concentration levels.

6. Whiptail satisfied all "closure requirements" listed under the 19.15.29.12(D). Whiptail cleaned and remediated the release area; tested the area once remediated; complied with the regulatory sampling plan and notified the OCD; and confirmed that the concentrations in the test samples were less than or equal to the threshold concentrations in Table I, as required by (D)(1), (1)(a) – 1(c) and (2). Whiptail then properly submitted its closure report to the OCD, thus, documenting its compliance pursuant to 19.15.29.12(E). *See* Exhibit 1, pp. 4-6, in Whiptail's Motion. As a result, the OCD should have approved closure of the incident upon Whiptail's demonstration that it met the "closure requirements" enumerated in NMAC 19.15.29.12(D).

7. Rule 19.15.29.13, addressing reclamation, has a relationship to the remediation plan as generally described in Rule 19.15.29.12(C)(2). However, as OCD's Response itself confirms, the main function of Rule 19.15.29.13 is to provide certain "standards and timing" for reclamation requirements. *See* OCD Response at ¶ 21. This Rule does not specifically set the standard or criteria for closure. Contrary to OCD's assertions, Rule 19.15.29.13, same as 19.15.29.12(C)(2), never mentions or addresses approval or criteria for "closure" or "closure requirements." In fact, whether reclamation should be performed pursuant to the requirements of Rule 19.15.29.13 or pursuant to some other reclamation requirements is contingent upon external, extenuating factors such as, for example, an existing reclamation plan. *See* OCD's Response at ¶ 29 (OCD confirming that reclamation requirements imposed by other agencies, such as the BLM,

supersede OCD's reclamation requirements if they "[…] provide equal or better protection of fresh water, human health and the environment.") Thus, the reclamation requirements of Rule 19.15.29.13 are certainly not absolute nor dispositive on the matter of approving or denying closure.

III. Material facts regarding reclamation are not in dispute.

8. The full horizontal extent of the release area, as assessed and measured by Whiptail, pursuant to the requirements stated in Rule 19.15.29.12(D), is accurately illustrated in Exhibit A, attached hereto, and clearly delineates the parameters, boundaries, and limits of the release.

9. Whiptail has an existing reclamation plan in place with the Bureau of Land Management ("BLM") that accounts for full reclamation, restoration, and re-vegetation of the subject lands. *See* Whiptail's Motion, Exhibit 5; *see also* Self-affirmed Statement of Don Wicburg, Whiptail Management of Operations in environmental compliance, attached hereto as Exhibit B.

IV. Under the facts, Whiptail has satisfied reclamation requirements in NMAC 19.15.29.13 for purposes of closure pursuant to Table I in Part 29.

10. Since 19.15.29.13(D), as the controlling provision, excepts "areas reasonably needed for production operations" from the four-foot rule in 19.15.29.13(D)(1), the excavation of four feet of topsoil for re-vegetation does not apply for purposes of closure to the release area delineated by Whiptail's map in Exhibit A. The plain meaning of "operation" as reflected in Google's English online dictionary is "the fact or condition of functioning or being active." Thus, the Rule excepts areas reasonably needed for production to be functioning or active as a matter of fact or condition. Whiptail's map of the release area, encompassing a fully equipped transfer site filled with necessary machinery and an adjacent sliver of compacted, gravel road, necessary for access to, and maintenance and repair of, the equipment and machinery, define as a matter of undisputed material fact an area reasonably needed for production operations.

11. In addition, this case provides a separate dispositive factor to consider. Because the existing plan Whiptail has in place with the BLM provides equal or better protection of fresh water, human health and the environment, the BLM plan supersedes the provisions of 19.15.29.13, and closure should be granted on this separate basis as well.

V. OCD's interpretation of Part 29 undermines the primary purpose of the Oil and Gas Act and its statutory authority, causing harm to operators and owners.

12. NMSA 1978 § 70-2-11, as the statutory authority for 19.15.29 NMAC, specifically states that "it is the duty" of the Division "to prevent waste prohibited by this act and to protect correlative rights, as in this act provided." *See* 19.15.29.3 NMAC; *see also* Section 70-2-11(A); *Continental Oil Co. v. OCC,* 1962-NMSC-062, ¶ 11 (holding that the OCC [and likewise the OCD] "is a creature of statute, expressly defined, limited and empowered by the laws creating it," and that the agency's jurisdiction and power "is founded on the duty to prevent waste and protect correlative rights.") Therefore, not only must the Rules in Part 29 be interpreted and construed pursuant to principles of statutory construction as expressed in New Mexico case law, but more importantly, the Rules in Part 29 must, in good faith, be construed and interpreted in accordance with the statute that authorized Part 29 in the first place.

13. Part 29 provides important and necessary guidelines and requirements for protecting the environment, water, and human health through the remediation of releases and by describing the role reclamation plays within the overall process; but it is the statutory authority on which Part 29 is based that should drive the interpretation of its rules. The overriding duty of the Division under §70-2-11 should be to prevent waste of oil and gas and protect the correlative rights of owners, and therefore, where ambiguity arises in the rules, the Division should interpret and apply the rules in a manner consistent with §70-2-11 and the Oil and Gas Act ("Act"). When

balancing the priorities required for the prevention of waste and protection of correlative rights with the proper requirements for remediation and reclamation, the scales should tip in favor, to the extent feasible, of not harming, jeopardizing or unnecessarily burdening operations or the operator; not disrupting operations, production, or transport; and not jeopardizing the reliable and timely distribution of revenue to the rightful owners.

14. The OCD claims that the "carve-out" language in Rule 19.15.29.13(D) as construed by Whiptail leads to an absurd result because it would be an exception that swallows the rule. *See* OCD Response at ¶ 28. However, this is not true with the proper construction of the rule, placed in its proper context. The "carve-out" excepts the area reasonably needed for production operations after the "closure requirements" in Rule 19.15.29.12(D) have been fully met, including the concentration levels specified in Table I. Approval of closure under these circumstances preserves the proper balance, codified in the statutory authority, between preventing waste and promoting operations, on the one hand, and taking the necessary measures to provide clean up and remediation, as well as reclamation but only to the extent reclamation is applicable.

15. The higher standard of chloride concentration (less than 600 mg/kg, in the top four feet of topsoil) described in Rule 19.15.29.13(D)(1) is not designed to protect fresh water, human health, or the environment in general, but is specifically designed to establish vegetation at a specific site for purposes of reclamation, and Whiptail respectfully submits that this is an important distinction that must be accounted for under the statutory authority. Table I of Rule 19.15.29.12 establishes, in a dispositive manner, the concentration standards for "closure" for the protection of fresh water, human health, and the environment as a whole. *See, i.e.,* Table I in 19.15.29.12(E)(2) (Table I conclusively titled: "Closure Criteria for Soils Impacted by a Release.").

16. By imposing additional criteria under 19.15.29.13 that is specifically excluded by

the Rule itself, the OCD undermines the primary purpose of the statutory authority for Part 29, thereby causing harm to operators and owners. The OCD acknowledges that most release incidents involve the site of operations. *See* OCD Response at ¶ 26. Therefore, the interpretation proposed by the OCD would result in the majority of, if not all, incidents remaining open and active, and thus, the majority of operators, if not all operators, who in good faith remediate a release pursuant to Part 29 would still have to operate subject to the burden and stain imposed by an ongoing classification of non-compliance and the liabilities, negative impacts, and consequences that ensue. In effect, having an outcome in which most if not all operators are denied closure after satisfying the "closure requirements" pursuant to 19.15.29.12(D) and (E) is itself an absurd result that overreaches and swallows up Part 29.

17. The deferment proposed by the OCD unjustly places operators in a state of prolonged and perpetual non-compliance. Such a status would be highly disruptive to an operator's business operations. Investors, financial institutions, and insurance companies within the industry on which operators rely are highly sensitive to reports and classifications that suggest or imply non-compliance, environmental liabilities or cause low ESG scores. Operators are required to provide disclosures to such parties, and a disclosure that an operator is out of compliance with environmental regulations threatens insurability, spikes in premiums, company and asset valuations, and financial and investment disruptions. In certain cases, under the poor market conditions, such harms and burdens could affect operations and be a potential contributing factor to bankruptcies, shut-ins, and cessation of operations.

18. Furthermore, in order to avoid deferment and its negative consequences and obtain compliance and closure under the OCD's interpretation and application of Rule 19.15.29.13, an operator, such as Whiptail, would have to cease all operations, production and transport at the site;

remove machinery and equipment; excavate, remove and replace four feet top soil for the growth of vegetation in an area that had no vegetation or growth of vegetation prior to the release and will not see vegetation or growth of vegetation for the foreseeable future of ongoing operations. In effect, the OCD's interpretation of the rules penalizes an operator, who otherwise in good faith has met the closure requirements of Rule 19.15.29.12(D) and the concentration thresholds of Table I, and therefore, such interpretation should be viewed as an abuse of discretion. In both scenarios -- (1) whether the operator is subjected to an unjustified classification of non-compliance pursuant to an open incident report; or (2) whether the operator must cease operations to engage in unwarranted and inapplicable revegetation requirements based on the four-foot rule in 19.15.29.13(D)(1) when the area needed for operations is clearly excepted under the precise language of the Rule -- the operator will be threatened by and subjected to undue harm and hardship, undue waste of product, and a violation of correlative rights.

19. In contrast to OCD's interpretation, Whiptail respectfully submits that the criteria for closure of the incident should be based on the dispositive and controlling closure criteria in Rule 19.15.29.12(D), properly titled: "Closure Requirements," and its Table I, properly titled: "Closure Criteria for Soils Impacted by a Release." As such, Whiptail has demonstrated that it has more than met the thresholds of Table I and therefore has earned its right to closure.

20. Whiptail further submits that Rule 19.15.29.12(C)(2) is not the dispositive rule on closure but is a rule of explanation, pointing out how Rule 19.15.29.13 may come into play to the extent of its terms and language. For example, by meeting the closure requirements under 19.15.29.12(D) and Table I, Whiptail has satisfied the "either/or" option of Rule 19.15.29.13(A) which requires Whiptail to substantially restore the impacted surface area either (1) to the condition that existed prior to the release, or (2) to their final land use. Because the transfer site is still in use,

Whiptail chose option (1) and restored the site of the release (an area reasonably needed for production operations) to the condition that existed prior to the release. Prior to the release, the release site was a work site, without vegetation, and after clean-up, testing, and remediation, the site has been restored to the condition of a work site without vegetation that has met conditions prior to the release by satisfying the concentration standard of Table I for closure. Once option (1) is satisfied under the "either/or" proposition of 19.15.29.13(A), then option (2), the restoration of the lands to their final use with re-vegetation, is not required for purposes of closure.

21. This result leads directly to, and justifies, the exception in Rule 19.15.29.13(D) for areas needed for production operations. Because the release site, as a necessary site of operation, has been restored through remediation to the condition of Option (1) that existed prior to the release, the site fully satisfies required standards for the protection of fresh water, human health, and the environment. Therefore, the release site in this case should be excepted from the four-foot rule under 19.15.29.13(D)(1), a rule designed expressly for Option (2).

22. Hence, the application of the exception provided in 19.15.29.13(D) is in harmony with Whiptail's choice of option (1) in 19.15.29.13(A) and is consistent with and supports the requirements for closure in 19.15.29.12(D). And importantly, this interpretation respects the precise terms and language of the rules in Part 29 that uphold and preserve the important and necessary balance between (1) the prevention of waste and protection of correlative rights as required by the statutory authority, and (2) achieving vital protections for fresh water, human health, and the environment for which Part 29 was implemented.

23. Although OCD's Response indicates that the Division does not agree with Whiptail's interpretation of the relevant Rules in Part 29, there are indications and evidence in this case that certain ranking regulators in the Division do agree with Whiptail's interpretation, and

therefore, by definition, the interpretation is neither absurd nor inherently invalid. *See, i.e.,* Email from OCD Counsel expressing regulator's agreement with Whiptail's interpretation, attached hereto as Exhibit C. Furthermore, Whiptail's interpretation is supported by and fully consistent with previous decisions made by the OCD that have approved closure for this same transfer site based solely on the remediation and closure requirements under 19.15.29.12(D) and its Table I, excluding reclamation requirements under 19.15.29.13 as inapplicable under comparable facts. *See* Form C-141 approving and closing Incident No. NCS1909448080 on June 14, 2019, attached hereto as Exhibit D (*stating:* "Analytical report received and returned results are below closure criteria [of Table I] for this site," and approving closure despite "[t]here are areas of release that did not meet 600 mg/kg reclamation requirement [pursuant to 19.15.29.13(D)(1)].") By denying Whiptail closure, the OCD is deviating from established practices and engaging in newly crafted decisions that are capricious and arbitrary when compared with the precise requirements of the Rules and past decisions for approval of closure under comparable sets of facts.

24. Finally, because of measures taken by Whiptail, the incident in this case poses no threat or harm to the environment. Not only has Whiptail met the requirements for closure pursuant to Part 29, but it also has in place an existing plan with the BLM for full reclamation of the lands. *See* BLM Report of Undesirable Event, attached hereto as Exhibit E, showing that notice of the release was communicated to the BLM and has been accounted for as part of the BLM's final reclamation requirements. Thus, there are two layers of full protection in place for the subject lands, each satisfying independently the requirements for closure.

VI. Conclusion:

For the foregoing reasons, Whiptail respectfully requests that the Division grant Whiptail's Motion for Summary Judgment and Closure and find that Whiptail is entitled to closure as a matter

law for Incident ID No. nAPP2125652492/Action ID No. 61609 under the precise set of material facts relevant to this case, as follows:

1. That Whiptail satisfied the concentration levels of Table I, a fact that is not in dispute;
2. That the release was limited to areas reasonably needed for production operations, pursuant to NMAC 19.15.29.13D, a fact that should not be in dispute, based on data and exhibits provided; therefore, closure as a matter of law is justified based on Whiptail's satisfying the concentration levels in Table I of Part 29.
3. As an independent, dispostive factor supporting closure, finding that the subject lands are currently protected by an existing reclamation agreement with the BLM which supersedes the reclamation provisions of Part 29, pursuant to NMAC 19.15.29.13(E), based on a reasonable comparison of the provisions in NMAC 19.15.29.13 with the provisions of the existing BLM Plan.

Respectfully submitted,

ABADIE & SCHILL, PC

/s/ Darin C. Savage

Darin C. Savage

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Attorneys for Whiptail Midstream LLC

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was filed with the New Mexico Oil Conservation Division and was served on counsel of record via electronic mail on February 10, 2023:

Jesse K. Tremaine
JesseK.Tremaine@emnrd.nm.gov
Attorney for New Mexico Oil Conservation Division

/s/ Darin C. Savage

Darin C. Savage

EXHIBIT A

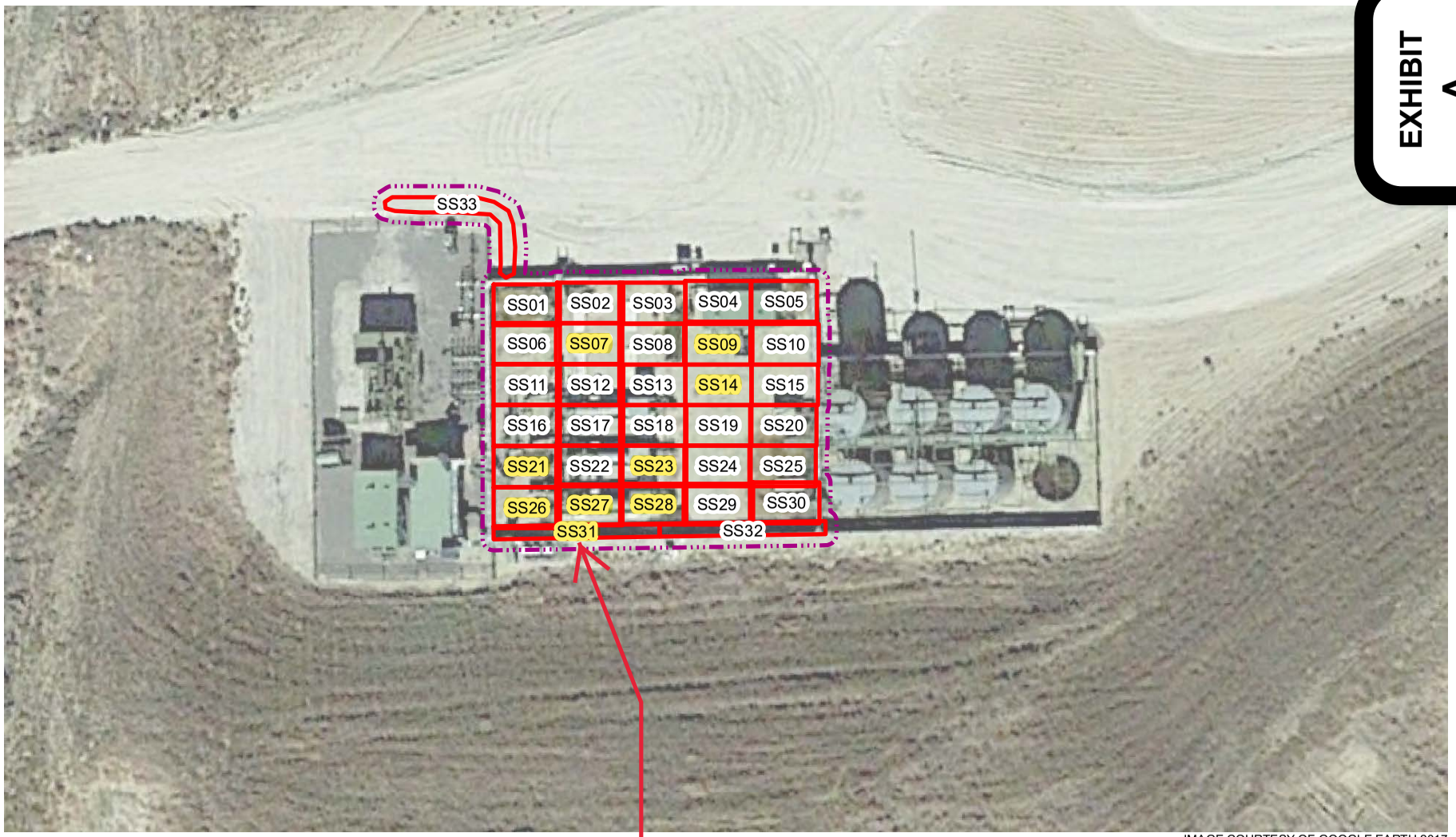

IMAGE COURTESY OF GOOGLE EARTH 2017

LEGEND

RELEASE PATH

CONFIRMATION SOIL SAMPLE LOCATION

Samples <600 mg/Kg for chloride - 9 total

0 40 80

Feet

N

FIGURE 3
CONFIRMATION SOIL SAMPLE LOCATIONS
MC COM #160
NESE SEC 35-T24N-R7W
RIO ARRIBA COUNTY, NEW MEXICO
WHIPTAIL ENERGY, INC.

C:\Users\UST\J689650\OneDrive - WSP O365\WHIPTAIL ENERGY\31403189_002_MC COM 160\MXD\31403189_002_FIG03_SITE_2021.mxd

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF WHIPTAIL MIDSTREAM LLC FOR HEARING ON REMEDIATION AND CLOSURE PLAN, RIO ARRIBA COUNTY, NEW MEXICO

Case No. 22782

SELF-AFFIRMED STATEMENT OF DON WICBURG

I, being duly sworn on oath, state the following:

1. I am over the age of eighteen years and have the capacity to execute this Statement, which is based on my personal knowledge.

2. I graduated from the University of Phoenix with a bachelor's degree in Business Management in 2001. I have been employed by Whiptail Midstream LLC ("Whiptail") for 5 years, and other organizations for approximately 20 years, in operations management and in the area of environmental compliance and regulation, working with the New Mexico Oil Conservation Division ("Division") and the federal Bureau of Land Management ("BLM"), among other agencies.

3. Should the Division find it useful in its review of this case, I would like the take the opportunity to point out some observations and note some important items in the plan for reclamation, restoration, and revegetation ("BLM Reclamation Plan") that Whiptail has in place with the BLM.

4. Exhibit 5 of Whiptail's Motion for Summary Judgment and Closure ("Whiptail's Motion") provides a copy of the BLM Reclamation Plan for your review. The Plan provides detailed provisions for both specificity and extent of the reclamation process as they apply to

EXHIBIT B

water management and drainage, erosion control requirements, and re-vegetation and vegetative regrowth. See, for example, pages 1 through 12 of the BLM Reclamation Plan.

5. The BLM Reclamation Plan also includes a post-reclamation annual monitoring and reporting provision, as well as long-term monitoring requirements to survey the site for revegetation every five years after attainment of the revegetation standard, and long-term monitoring can only cease after the company obtains a relinquishment from the BLM based on strict criteria. See, for example, pages 10 through 13 of the BLM Reclamation Plan.

6. The BLM Reclamation Plan has well documented evidence of pre-disturbance conditions of the federal lands in the area and requires the responsible party to attain the same in terms of erosion control and vegetative cover. See, for example, pages 3 through 5 of the BLM Reclamation Plan.

7. Based on my professional training and experience, when I compare the provisions of the BLM Reclamation Plan with the provisions of 19.15.29.13 NMAC, I find that the BLM Reclamation plan proves to provide equal or better protection of fresh water, human health, and the environment.

8. I would be available to the Division as a witness should the Division have further questions or need additional information about the scope and nature of the BLM Reclamation Program currently in place for the protection the lands involved in this case.

9. I understand that this Self-Affirmed Statement will be used as written testimony before the Division in Case No. 22782 and affirm that my testimony herein is true and correct, to the best of my knowledge and belief.

Don Wicburg

2/10/2023
Date

From: **Luck, Kaitlyn, EMNRD** Kaitlyn.Luck@emnrd.nm.gov
Subject: Whiptail case
Date: October 17, 2022 at 3:00 PM
To: Darin Savage darin@abadieschill.com

LE

Hi Darin. I hope you had a nice weekend.

I wanted to check in with you about the Whiptail case because I'm not sure if Jesse or anyone over here explained that this comes down to a policy decision by the OCD on the 4 foot rule. Jim agrees with your interpretation and I'm hoping the director will see it that way too. Will circle back with you just as soon as I discuss with her. Sorry for the delay on this one but it may be beginning of next week before we can get a final answer to you, but I'm hoping OCD won't have to file a response. My intent would be to update the status on the incident so that it satisfies Whiptail given this is an open facility. I'll check back in later this week.

Thanks for your patience,
Kaitlyn

Kaitlyn A. Luck
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NEW MEXICO emnrd Energy, Minerals and Natural Resources Department

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: **Enduring Resources**	OGRID: **372286**
Contact Name: **Chad Snell**	Contact Telephone: **505-444-0586**
Contact email: **csnell@enduringresources.com**	Incident # *(assigned by OCD)*: **NCS1909448080**
Contact mailing address: **200 Energy Court**	**Farmington, New Mexico 87401**

Location of Release Source

Additional Remediation # of chlorides AT P&A

Latitude **36. 2661852** Longitude **-107.537118**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: **MC 6 Com 160H**	Site Type: **Wellsite**
Date Release Discovered: **3/18/2019**	API# *(if applicable)* **30-039-31312**

NMOCD
JUN 14 2019
DISTRICT III

Unit Letter	Section	Township	Range	County
I	**35**	**24N**	**7W**	**Rio Arriba**

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) **10bbls**	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
On 3/18/2019, a release was discovered at the MC 6 Com 160H. Operator found that there was liquid under the liner and shortly discovered that the oil dump line piping had a leak. The facility was shut in to stop the leak. Equipment was moved and clean-up activities were completed.

EXHIBIT D

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

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?	142 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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: **Chad Snell** Title: **HSE Tech**

Signature: Date: 6-14-2019

email: **csnell@enduringresources.com** Telephone: **(505)444-0586**

OCD Only

Received by: OCD Date: 6/14/19

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

Closure Approved by: Date: 6/27/19

Printed Name: Cory Title: Environmental Spec.

MC 6 Com 160H Remediation Narrative

3/18/2019

A release had occurred at the MC 6 Com 160H on Monday March 18th 2019. An oil dump line on the separator had failed, causing the release of 10 barrels of oil beneath the liner. Production equipment was shut in to stop the release.

3/27/2019

All equipment was moved and clean-up activities began. A hydro-vac truck sucked up all free standing oil and contaminated soil from the release point. Approximately 80 barrels of contaminate was hauled off.

3/28/2019

Clean up activities continued using an excavator and labor hands to continue removing contaminated soil.

4/3/2019

Clean up activities were finished and confirmation sampling was scheduled with the NMOCD April 5th 2019. See attached *"Email Notification"*. Approximately 130 yards of contaminated soil was removed.

4/5/2019

NMOCD was onsite to witness sampling activities. Nine composite samples were taken from excavated area and sent in for analysis of BTEX, DRO/GRO/ORO, and Chlorides.

4/9/2019

Analytical report was received and returned results were above standards (Chlorides: 20,000 ppm, TPH: 2,500 ppm, DRO+GRO: 1,000ppm BTEX: 50 ppm Benzene: 10ppm). Closure criteria for this site is the least stringent due to ground water being over 100ft from surface,

which was found by a cathodic that was drilled at this site. See attached *"Ground Bed Drilling Log"*. Additional cleanup activities were scheduled.

4/15/2019

Additional clean-up activities were completed. Another 170 yards of contaminated soil was removed. Final closure sampling was scheduled for Wednesday June 17th 2019. See attached "Email Notification".

4/17/2019

NMOCD was not onsite to witness sampling activities. 18 composite sample were collected to meet 200 square foot rule. Samples were sent in for analysis of BTEX, GRO/DRO/ORO, and Chlorides.

4/22/2019

Analytical report received and returned results are below closure criteria for this site. No further action is required at this time.

There are areas of the release that did not meet the 600 mg/kg reclamation requirement, however these areas are currently in use for the exploration and production of oil and gas. Once the areas are no longer in use or at final abandon, Enduring Resources will return to the impacted areas and ensure the area is remediated per 19.15.29 NMAC.

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

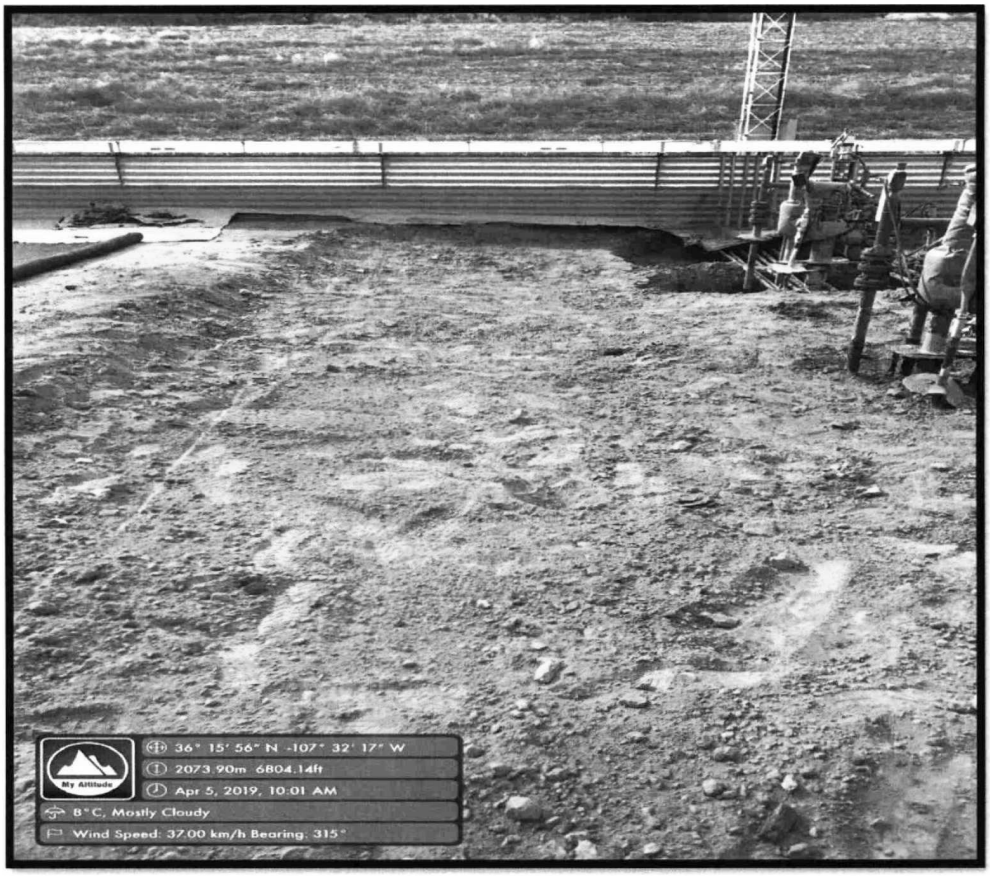
Photos of Release

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

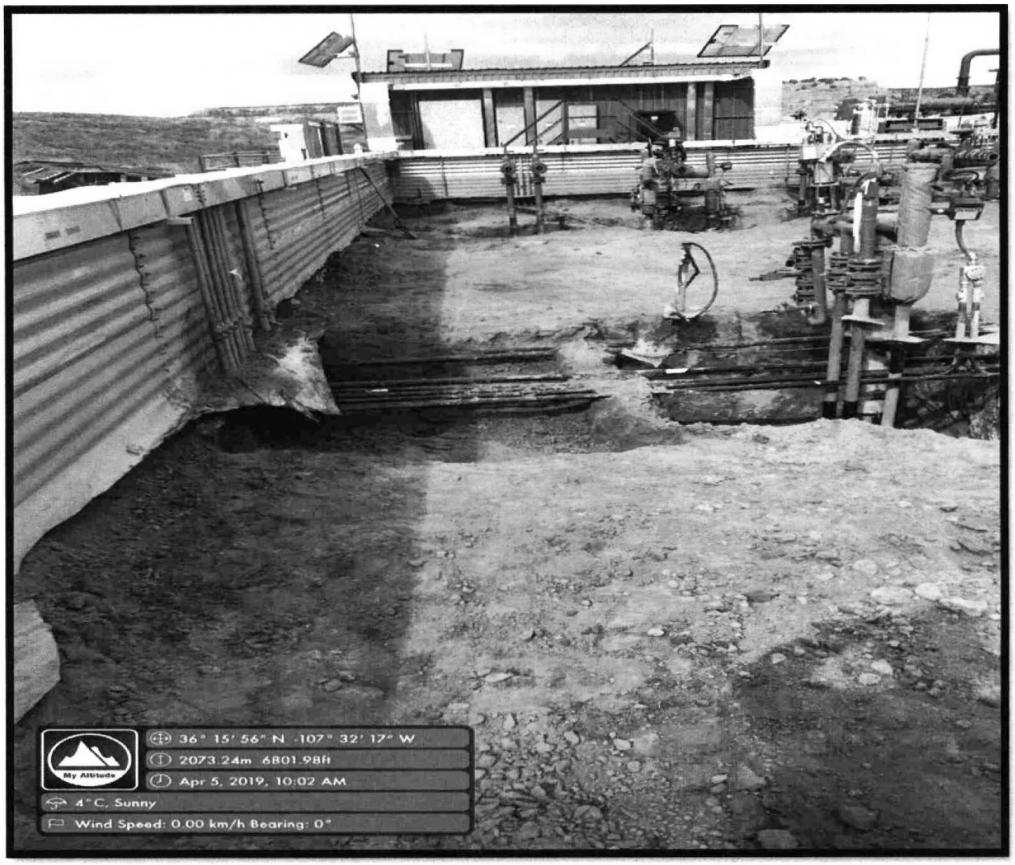
Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Photos After Clean-up and Sampling on 4/5/2019



Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312



Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Photos after Additional Clean-up and Sampling on 4/17/2019

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Enduring Resources, LLC
Photo Page
MC 6 Com 160
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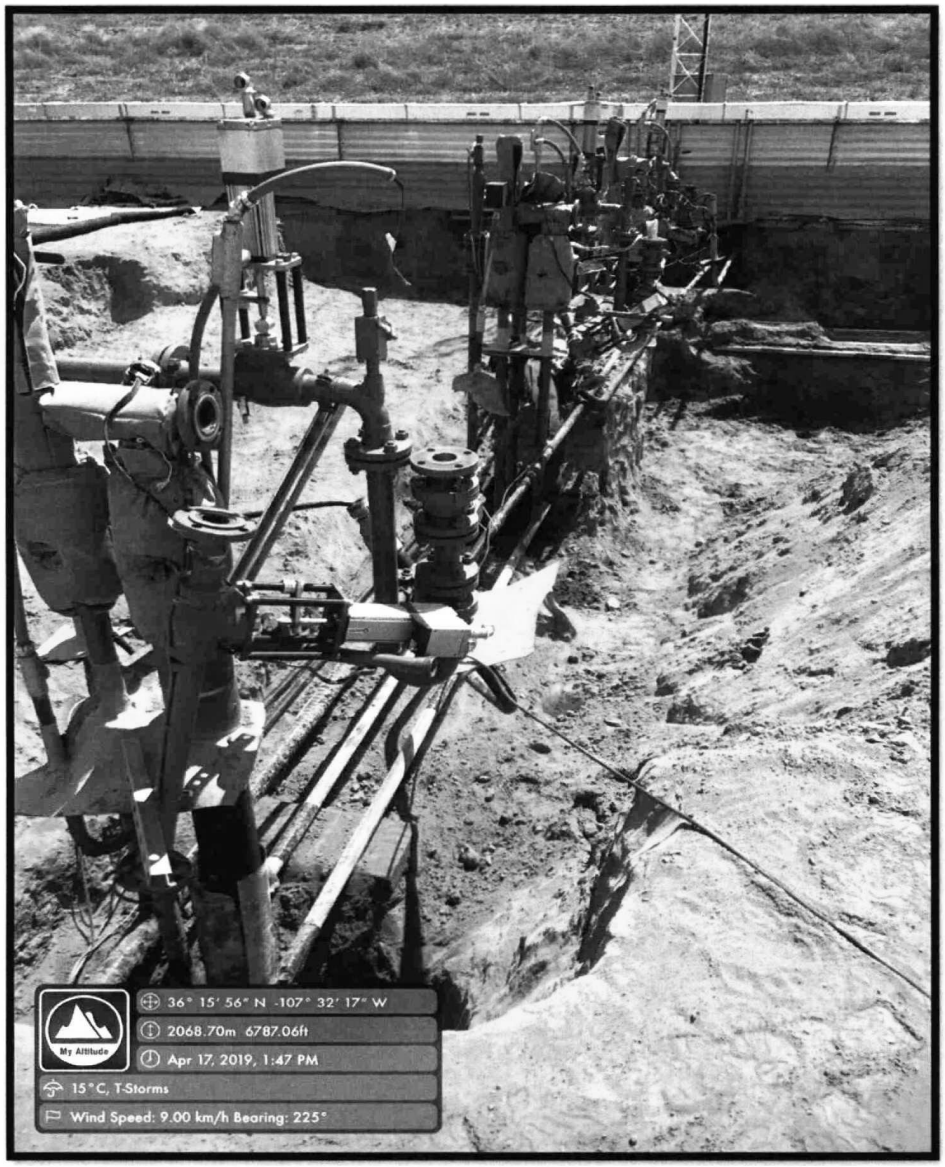
Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Photo: "Hole 1"

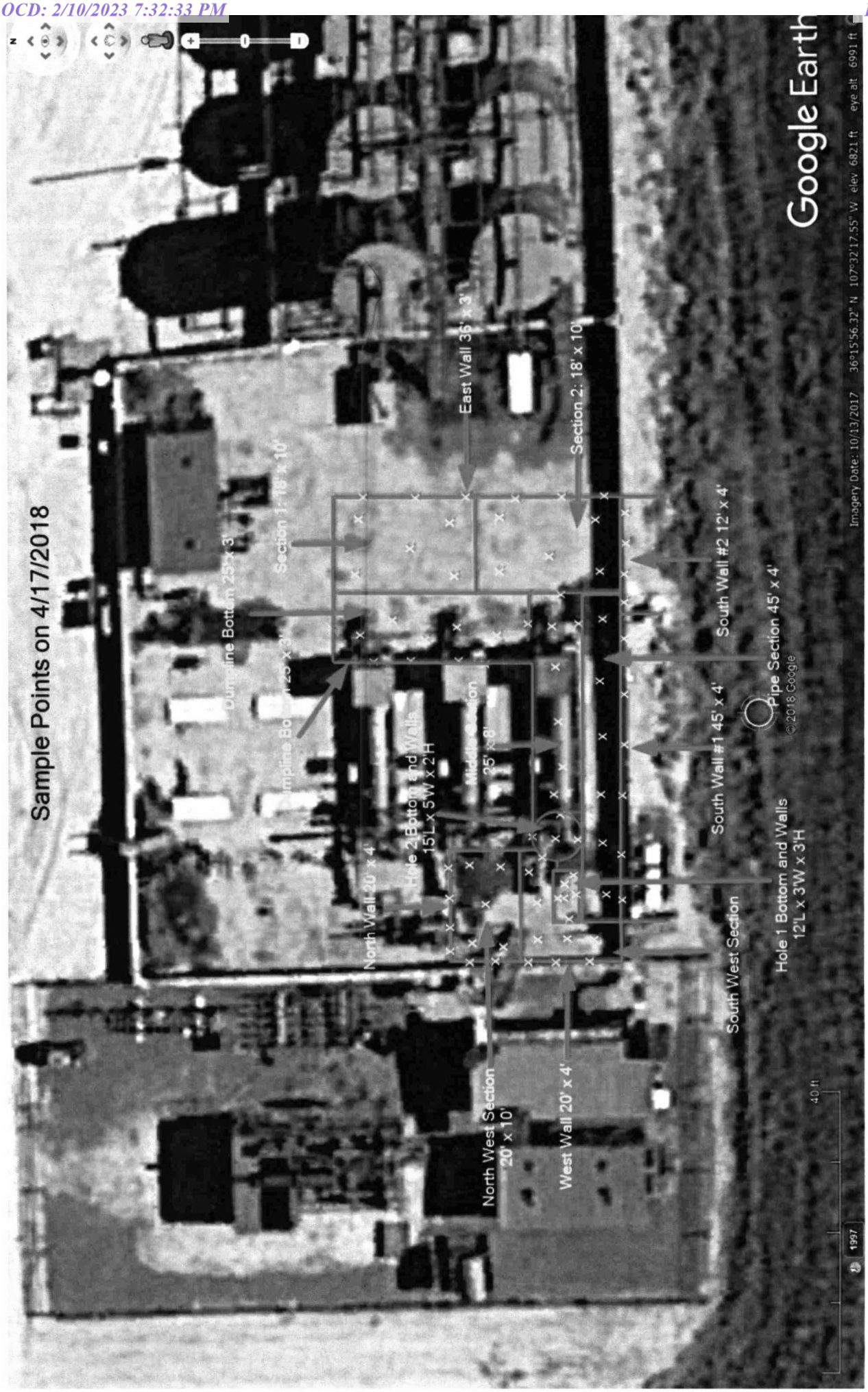
Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312



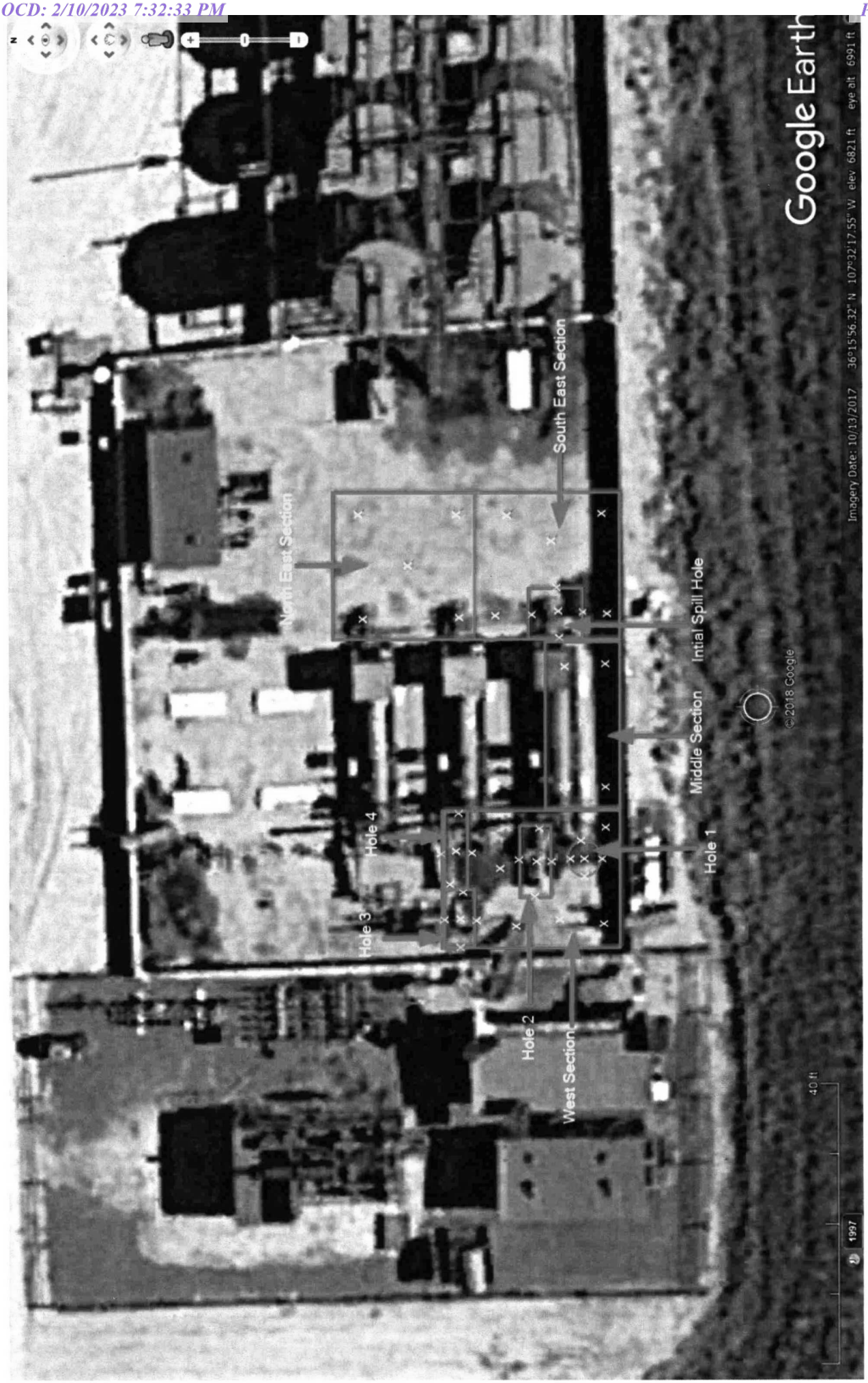
Enduring Resources, LLC
Photo Page
MC 6 Com 160
30-039-31312

Photo: Area Back Filled


Sample Points on 4/17/2018
East Wall 36' x 3'
Section 2: 18' x 10'
Section 1: 18' x 10'
Dumpline Bottom 25' x 3'
Dumpline Bo 25' x 3'
North Wall 20' x 4'
Hole 2 Bottom and Walls
15'L x 5'W x 2'H
Mid Section
25' x 8'
South Wall #2 12' x 4'
South Wall #1 45' x 4'
Pipe Section 45' x 4'
South West Section
Hole 1 Bottom and Walls
12'L x 3'W x 3'H
North West Section
20' x 10'
West Wall 20' x 4'
Google Earth
Imagery Date: 10/13/2017 36°15'56.32" N 107°32'17.55" W elev 6821 ft eye alt 6991 ft
©2018 Google
40 ft
1997

MC 6 Com 160H

Sample Name	Description	Date	Time	DRO	GRO	DRO+ GRO	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
				NA	NA	1000	NA	2500	10	NA	NA	NA	50	20,000	
STANDARD	Ground Water >100ft	NA	NA	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	200 sq. ft
Section 1	Composite	4/17/2019	11:00 AM	345	<20	**365**	196	**561.0**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**130**	**180**
Section 2	Composite	4/17/2019	11:05 AM	113	<20	**133**	74.3	**207.3**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**395**	**180**
East Wall	Composite	4/17/2019	11:10 AM	63.1	<20	**83.1**	<50	**133.1**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**39.2**	**108**
South Wall 1	Composite	4/17/2019	11:15 AM	625	<20	**645**	284	**929**	**<0.0250**	<0.0250	<0.0250	0.028	**<0.1**	**430**	**180**
South Wall 2	Composite	4/17/2019	11:20 AM	26.8	<20	**46.8**	<50	**96.8**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**21.6**	**36**
Pipe Section	Composite	4/17/2019	11:25 AM	614	33.5	**647.5**	270	**917**	**<0.0250**	0.096	0.0335	0.698	**<0.1**	**1700**	**180**
SouthWest Sectic	Composite	4/17/2019	11:30 AM	29.5	<20	**49.5**	<50	**99.5**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**<20**	**120**
NorthWest Sectic	Composite	4/17/2019	11:40 AM	219	<20	**239**	186	**425**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**<20**	**200**
West Wall	Composite	4/17/2019	11:45 AM	<20	<25	**<45**	<50	**<95**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**<20**	**80**
North Wall	Composite	4/17/2019	11:50 AM	<20	<25	**<45**	<50	**<95**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**<20**	**80**
Hole 1 Walls	Composite	4/17/2019	11:55 AM	<20	<25	**<45**	<50	**<95**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**<20**	**108**
Hole 1 Bottom	Composite	4/17/2019	12:00 PM	582	26.5	**608.5**	213	**821.5**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**<20**	**36**
Hole 2 Walls	Composite	4/17/2019	12:05 PM	119	<20	**139**	73.8	**212.8**	**<0.0250**	<0.00533	<0.000533	0.0019	**<0.1**	**<20**	**150**
Hole 2 Bottom	Composite	4/17/2019	12:10 PM	163	<20	**183**	83.7	**266.7**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**<20**	**75**
DumpLine Bottor	Composite	4/17/2019	12:15 PM	226	<20	**246**	99.8	**345.8**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**212**	**75**
DumpLine Walls	Composite	4/17/2019	12:20 PM	<25	<20	**<45**	<50	**<95**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**1100**	**112**
Middle Section	Composite	4/17/2019	12:25 PM	150	<20	**170**	82	**252**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**208**	**200**
Initial Spill Walls	Composite	4/17/2019	12:30 PM	37	<20	**57**	<50	**107**	**<0.0250**	<0.0250	<0.0250	<0.0250	**<0.1**	**1630**	**100**


Google Earth
Imagery Date: 10/13/2017 36°15'56.32" N 107°32'17.55" W elev 6821 ft eye alt 6991 ft
©2018 Google
South East Section
North East Section
Intial Spill Hole
Middle Section
Hole 1
Hole 2
Hole 3
Hole 4
West Section
40 ft
1997

Chad Snell

From: Chad Snell
Sent: Monday, April 15, 2019 9:12 AM
To: Powell, Brandon, EMNRD; 'Smith, Cory, EMNRD'
Cc: James McDaniel
Subject: FW: MC 6 Com 160H

Brandon,
Please see email below regarding confirmation sampling that is scheduled for Wednesday April 17th, 2019.
Thank You.

From: Chad Snell
Sent: Monday, April 15, 2019 9:02 AM
To: 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>
Cc: James McDaniel <JMcDaniel@enduringresources.com>
Subject: RE: MC 6 Com 160H

Cory,
Enduring will be performing confirmation sampling at the MC 6 Com 160H on Wednesday April, 17th 2019 starting at 10:00am. We will be resampling due to elevated results, further excavation has already taken place. Please feel free to contact us with any questions.

Thank you.

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, April 04, 2019 1:27 PM
To: Chad Snell <CSnell@enduringresources.com>
Cc: James McDaniel <JMcDaniel@enduringresources.com>
Subject: RE: MC 6 Com 160H

Chad,

OCD has approved the Initial C-141 and have assigned the below highlighted incident#.

NCS1909448080 MC 6 COM #160H @ 30-039-31312

General Incident Information

Site Name:	MC 6 COM #160H
Well:	[30-039-31312] MC 6 COM #160H
Facility:	
Operator:	[372286] ENDURING RESOURCES, LLC
Status:	Closure Not Approved
Type:	Oil Release
District:	Aztec
Incident Location:	**I-35-24N-07W Lot: 0 FNL 0 FEL**
Lat/Long:	**36.2661852,-107.537118 NAD83**

I will be onsite tomorrow for sampling I don't think I can get down there at 8AM more like 8:30 AM.

Thanks,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Chad Snell <CSnell@enduringresources.com>
Sent: Wednesday, April 3, 2019 6:57 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Cc: James McDaniel <JMcDaniel@enduringresources.com>
Subject: [EXT] MC 6 Com 160H

Good Morning,

Enduring Resources is going to be postponing confirmation sampling at the MC 6 Com 160H (API: 30-039-31312, Sec: 35, Twn: 24N, Rge: 7W), which was scheduled for today, to Friday April 5th 2019 at 8:00 am. Please let us know if you have any questions.

Thanks you.

Chad Snell
HSE Tech
Enduring Resources
(505) 444-0586.

Ground Bed Drilling Log

Company: WPX Energy | Well: Chaco #159H #160H #901H | Date: 9-11-2015

Location: Sec 35 T24N R7W | State: New Mexico | Rig: Stang #1

Ground Bed Depth: 360' | Water Depth: 142' | Diameter: 10"

Fuel: 98 gal | Latitude: | Longitude:

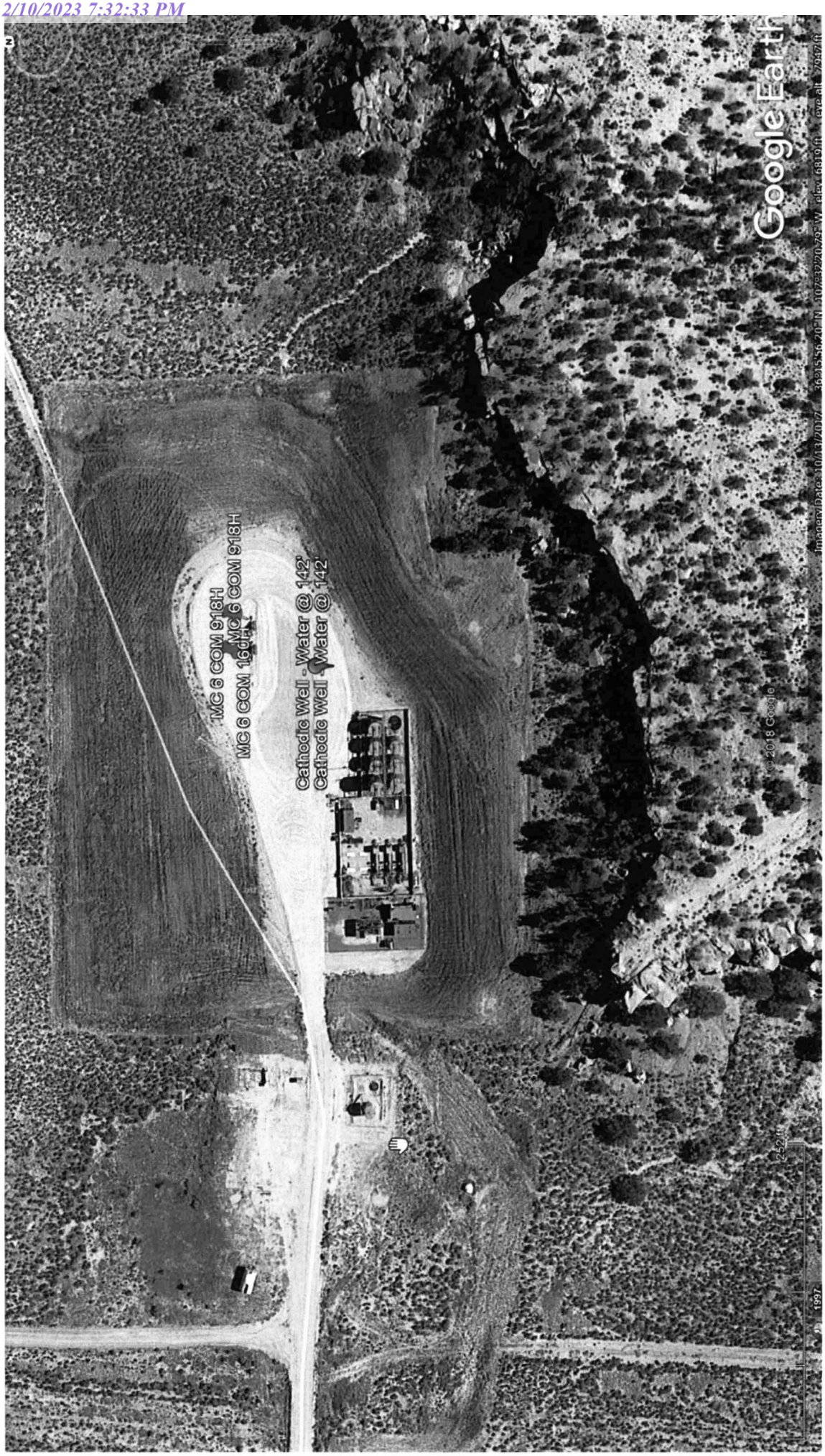
DEPTH	FORMATION	OTHER
0-40	Sand Stone, Shale, Sand w/ Shale w/ Sand	PVC
40-110	Sand Stone, Shale, Sand w/ Shale w/ Sand	
110-200	Sand Stone, Shale, Sand w/ Shale w/ Sand	
200-260	Sand Stone, Shale, Sand w/ Shale w/ Sand	
260-360	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	

GROUNDWATER DEPTH LOG

Company: WPX Energy | Location: Chaco #159H #160H #901H

Probe type: Powerwell Sounder

Date	Time	Depth	Comments
9-11-15	7:30am	40'	Drilled 40'
	8:30am	40'	test: No water
	9:00	100'	Drilled 60' - set PVC
	10:00	60'	test: No water
	11:15	115'	Drilled 115'
	12:15	115'	test: no water
	4:30	360'	test water @ 142'
9-14-15	9:15	142	test water @ 142'
	11:45		Finished anode bed.


MC 6 COM 918H
MC 6 COM 916H
MC 6 COM 918H
Cathodic Well - Water @ 142'
Cathodic Well - Water @ 142'
Google Earth

National Flood Hazard Layer FIRMette

FEMA

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

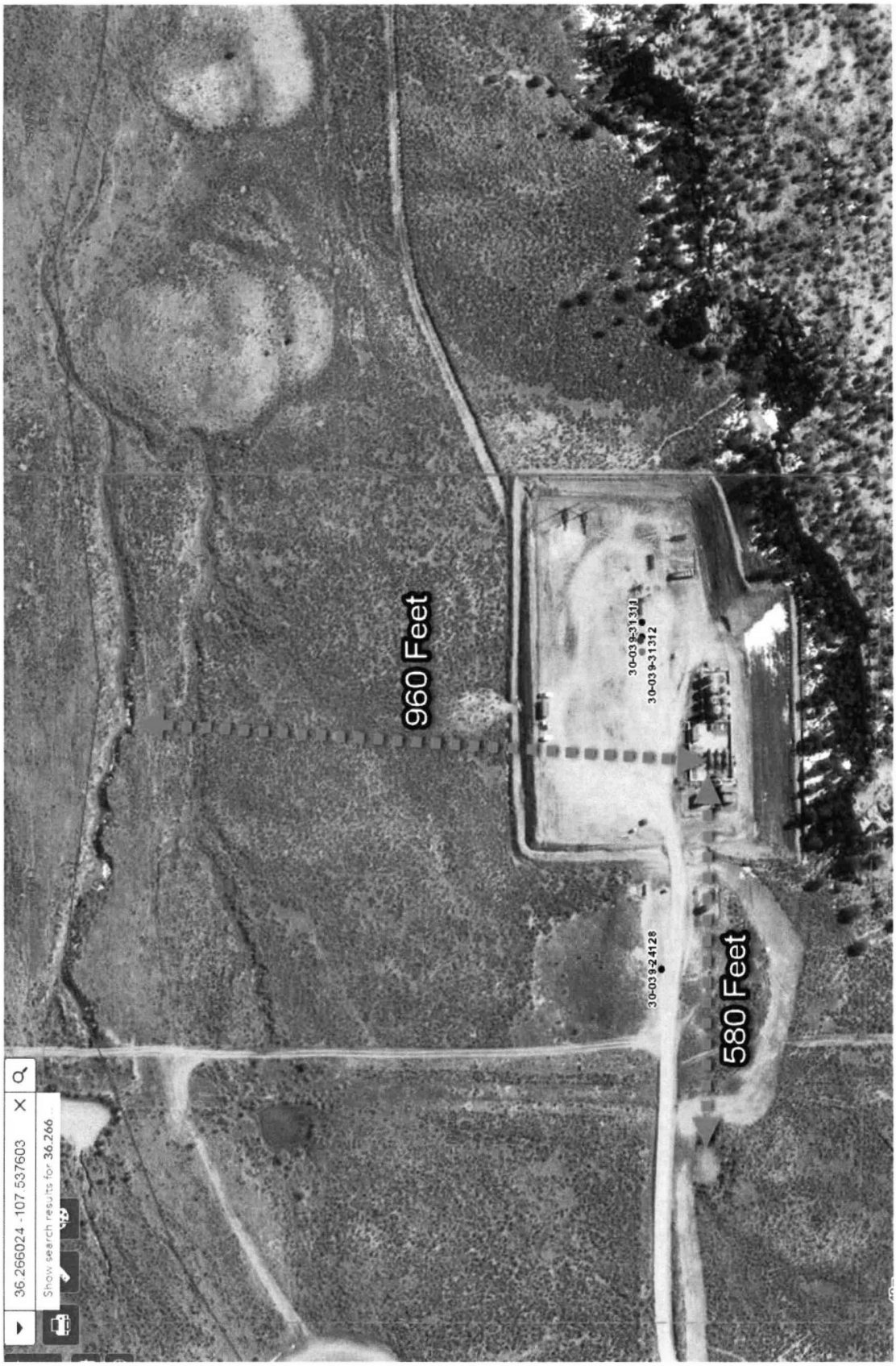
N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/10/2019 at 3:13:05 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

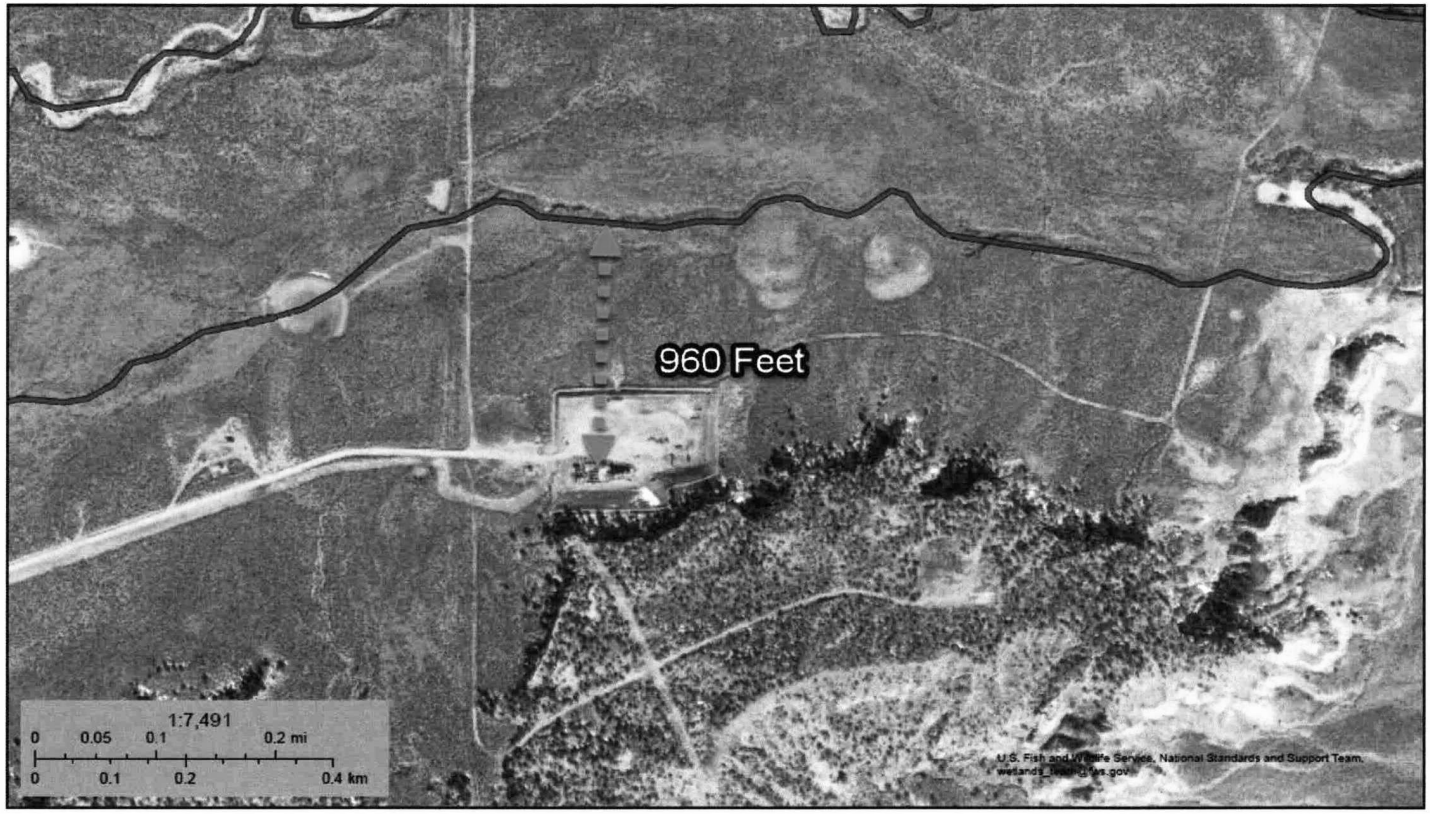
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.


36.266024 -107.537603
Show search results for 36.266
960 Feet
580 Feet
30-039-31311
30-039-31312
30-039-24128

U.S. Fish and Wildlife Service

National Wetlands Inventory

MC 6 COM 160H Wetland Map



March 26, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Enduring Resources, LLC

Samples Received: 4/5/2019
Job Number: 17065-0017
Work Order: P904021
Project Name/Location: MC6 Com 160H

Report Reviewed By: Walter Hinchman Date: 4/9/19

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North East Section	P904021-01A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
South East Section	P904021-02A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
Inital Spill Hole	P904021-03A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
Middle Section	P904021-04A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
West Surface	P904021-05A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
Hole 1	P904021-06A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
Hole 2	P904021-07A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
Hole 3	P904021-08A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.
Hole 4	P904021-09A	Soil	04/05/19	04/05/19	Glass Jar, 4 oz.

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North East Section
P904021-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	1.16	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	16.3	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	6.58	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	27.4	0.500	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	12.2	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	39.6	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.9 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*85.8 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	608	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	6850	125	mg/kg	5	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	1500	250	mg/kg	5	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*319 %*		*50-200*	*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	*Surr2*
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*97.9 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*85.8 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	632	20.0	mg/kg	1	1914028	04/05/19	04/05/19	EPA 300.0/9056A	

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South East Section
P904021-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	1.35	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	16.1	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	6.02	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	24.8	0.500	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	9.34	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	34.1	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*88.0 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	586	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	2060	25.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	414	50.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*196 %*	*50-200*		*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*101 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*88.0 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	814	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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Initai Spill Hole
P904021-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	1.15	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	9.45	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	3.72	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	14.5	0.0500	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	6.44	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	20.9	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*90.5 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	414	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	3270	25.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	682	50.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*250 %*		*50-200*	*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	*Surr2*
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*103 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*90.5 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	1040	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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Middle Section
P904021-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	0.767	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	8.81	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	3.68	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	14.1	0.0500	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	5.76	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	19.9	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	434	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	4040	25.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	680	50.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*280 %*	*50-200*		*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	*Surr2*
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*103 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	121	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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West Surface
P904021-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	4.84	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	27.1	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	7.74	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	30.0	0.500	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	11.6	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	41.6	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.3 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*77.6 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	751	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	5990	50.0	mg/kg	2	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	605	100	mg/kg	2	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*393 %*		*50-200*	*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	*Surr2*
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*96.3 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*77.6 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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Hole 1
P904021-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	0.288	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	6.39	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	3.38	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	13.4	0.0500	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	5.64	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	19.1	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*107 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*90.5 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	327	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	4910	25.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*315 %*	*50-200*		*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	*Surr2*
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*107 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*90.5 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	754	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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Hole 2
P904021-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	0.470	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	0.304	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	1.26	0.0500	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	0.565	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	1.82	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	53.7	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	1890	25.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	456	50.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*177 %*	*50-200*		*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*103 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*		*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	36.5	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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Hole 3
P904021-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	5.10	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	29.8	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	8.72	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	33.0	0.500	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	12.8	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	45.8	0.250	mg/kg	10	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.5 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*113 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	839	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	7390	125	mg/kg	5	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	468	250	mg/kg	5	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*458 %*		*50-200*	*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	*Surr2*
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*97.5 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*113 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Hole 4
P904021-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	**0.176**	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Toluene	**1.96**	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Ethylbenzene	**1.11**	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
p,m-Xylene	**4.44**	0.0500	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
o-Xylene	**1.85**	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Total Xylenes	**6.29**	0.0250	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*106 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*93.4 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**162**	20.0	mg/kg	1	1914025	04/05/19	04/08/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**2850**	25.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Oil Range Organics (C28-C40)	**437**	50.0	mg/kg	1	1914026	04/05/19	04/08/19	EPA 8015D	
Surrogate: n-Nonane		*248 %*		*50-200*	*1914026*	*04/05/19*	*04/08/19*	*EPA 8015D*	*Surr2*
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*106 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*93.4 %*		*70-130*	*1914025*	*04/05/19*	*04/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1914028	04/05/19	04/06/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914025 - Purge and Trap EPA 5030A										
Blank (1914025-BLK1)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Bromofluorobenzene	*0.480*		"	*0.500*		*96.0*	*70-130*			
LCS (1914025-BS1)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	2.43	0.0250	mg/kg	2.50		97.2	70-130			
Toluene	2.41	0.0250	"	2.50		96.4	70-130			
Ethylbenzene	2.38	0.0250	"	2.50		95.2	70-130			
p,m-Xylene	4.67	0.0500	"	5.00		93.3	70-130			
o-Xylene	2.30	0.0250	"	2.50		92.2	70-130			
Total Xylenes	6.97	0.0250	"	7.50		92.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.503*		"	*0.500*		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*0.494*		"	*0.500*		*98.8*	*70-130*			
Matrix Spike (1914025-MS1)		Source: P904017-01		Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	2.41	0.0250	mg/kg	2.50	ND	96.3	48-131			
Toluene	2.32	0.0250	"	2.50	ND	92.7	48-130			
Ethylbenzene	2.30	0.0250	"	2.50	ND	92.0	45-135			
p,m-Xylene	4.50	0.0500	"	5.00	ND	90.0	43-135			
o-Xylene	2.24	0.0250	"	2.50	ND	89.5	43-135			
Total Xylenes	6.74	0.0250	"	7.50	ND	89.9	43-135			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		"	*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.489*		"	*0.500*		*97.8*	*70-130*			
Surrogate: Bromofluorobenzene	*0.488*		"	*0.500*		*97.5*	*70-130*			
Matrix Spike Dup (1914025-MSD1)		Source: P904017-01		Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	2.51	0.0250	mg/kg	2.50	ND	100	48-131	4.01	23	
Toluene	2.46	0.0250	"	2.50	ND	98.3	48-130	5.93	24	
Ethylbenzene	2.45	0.0250	"	2.50	ND	98.1	45-135	6.33	27	
p,m-Xylene	4.78	0.0500	"	5.00	ND	95.6	43-135	5.96	27	
o-Xylene	2.39	0.0250	"	2.50	ND	95.7	43-135	6.72	27	
Total Xylenes	7.17	0.0250	"	7.50	ND	95.6	43-135	6.21	27	
Surrogate: 1,2-Dichloroethane-d4	*0.507*		"	*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.504*		"	*0.500*		*101*	*70-130*			

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914025 - Purge and Trap EPA 5030A										
Matrix Spike Dup (1914025-MSD1)		**Source: P904017-01**		Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Surrogate: Bromofluorobenzene	*0.511*		*mg/kg*	*0.500*		*102*	*70-130*			

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914025 - Purge and Trap EPA 5030A										
Blank (1914025-BLK1)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Bromofluorobenzene	*0.480*		"	*0.500*		*96.0*	*70-130*			
LCS (1914025-BS2)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	47.1	20.0	mg/kg	50.0		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		"	*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.501*		"	*0.500*		*100*	*70-130*			
Surrogate: Bromofluorobenzene	*0.496*		"	*0.500*		*99.1*	*70-130*			
Matrix Spike (1914025-MS2)		Source: P904017-01		Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	52.7	20.0	mg/kg	50.0	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.495*		"	*0.500*		*99.0*	*70-130*			
Surrogate: Bromofluorobenzene	*0.500*		"	*0.500*		*99.9*	*70-130*			
Matrix Spike Dup (1914025-MSD2)		Source: P904017-01		Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	50.5	20.0	mg/kg	50.0	ND	101	70-130	4.39	20	
Surrogate: 1,2-Dichloroethane-d4	*0.475*		"	*0.500*		*94.9*	*70-130*			
Surrogate: Toluene-d8	*0.498*		"	*0.500*		*99.5*	*70-130*			
Surrogate: Bromofluorobenzene	*0.496*		"	*0.500*		*99.1*	*70-130*			

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914026 - DRO Extraction EPA 3570										
Blank (1914026-BLK1)				Prepared & Analyzed: 04/05/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*55.5*		"	*50.0*		*111*	*50-200*			
LCS (1914026-BS1)				Prepared & Analyzed: 04/05/19 1						
Diesel Range Organics (C10-C28)	505	25.0	mg/kg	500		101	38-132			
Surrogate: n-Nonane	*47.7*		"	*50.0*		*95.5*	*50-200*			
Matrix Spike (1914026-MS1)		**Source: P904017-01**		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Diesel Range Organics (C10-C28)	882	25.0	mg/kg	500	392	98.0	38-132			
Surrogate: n-Nonane	*49.0*		"	*50.0*		*97.9*	*50-200*			
Matrix Spike Dup (1914026-MSD1)		**Source: P904017-01**		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Diesel Range Organics (C10-C28)	899	25.0	mg/kg	500	392	101	38-132	1.93	20	
Surrogate: n-Nonane	*48.9*		"	*50.0*		*97.9*	*50-200*			

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914028 - Anion Extraction EPA 300.0/9056A										
Blank (1914028-BLK1)				Prepared & Analyzed: 04/05/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1914028-BS1)				Prepared & Analyzed: 04/05/19 1						
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (1914028-MS1)		Source: P904017-02		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Chloride	261	20.0	mg/kg	250	ND	104	80-120			
Matrix Spike Dup (1914028-MSD1)		Source: P904017-02		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Chloride	267	20.0	mg/kg	250	ND	107	80-120	2.42	20	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/09/19 16:27

Notes and Definitions

Surr2	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information | Chain of Custody | Page 1 of 1

Client: Enduring Resources LLC
Project: MGC Com 160H
Project Manager: Chad Snell
Address: 200 Energy Court
City, State, Zip Farmington, NM 87401
Phone: (505) 444-0586
Email: CSnell@enduringresources.com

Report Attention
Report due by:
Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# P104021
Job Number 17065-0017

TAT: 1D X | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1					Remarks
8:50am	4-5-19	S	1	North ~~Section~~ East Section	1	X	X	X			X						
8:55am	4-5-19	S	1	South East Section	2	X	X	X			X						
9:00am	4-5-19	S	1	Initial Spill Hole	3	X	X	X			X						
9:05am	4-5-19	S	1	Middle Section	4	X	X	X			X						
9:10am	4-5-19	S	1	West Surface	5	X	X	X			X						
9:15am	4-5-19	S	1	Hole 1	6	X	X	X			X						
9:20am	4-5-19	S	1	Hole 2	7	X	X	X			X						
9:25am	4-5-19	S	1	Hole 3	8	X	X	X			X						
9:30am	4-5-19	S	1	Hole 4	9	X	X	X			X						

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: 4-5-19

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-5-19	12:17pm	Raiza Lopez	4-5-19	12:17pm
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech Analytical Laboratory
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envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Enduring Resources, LLC

Samples Received: 4/18/2019
Job Number: 17065-0017
Work Order: P904101
Project Name/Location: MC6 Com 160H

Report Reviewed By: Walter Hinchman Date: 4/22/19

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section 1	P904101-01A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Section 2	P904101-02A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
East Wall	P904101-03A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
South Wall #1	P904101-04A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
South Wall #2	P904101-05A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Pipe Section	P904101-06A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
South West Section	P904101-07A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
North West Section	P904101-08A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
West Wall	P904101-09A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
North Wall	P904101-10A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Hole 1 Walls	P904101-11A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Hole 1 Bottom	P904101-12A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Hole 2 Walls	P904101-13A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Hole 2 Bottom	P904101-14A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Dump Line Bottom	P904101-15A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Dump Line Walls	P904101-16A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Middle Section	P904101-17A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.
Initial Spill Walls	P904101-18A	Soil	04/17/19	04/18/19	Glass Jar, 4 oz.

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Section 1
P904101-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	345	25.0	mg/kg	1	1916032	04/18/19	04/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	196	50.0	mg/kg	1	1916032	04/18/19	04/18/19	EPA 8015D	
Surrogate: n-Nonane		*119 %*		*50-200*	*1916032*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	130	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Section 2
P904101-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*101 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	113	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	74.3	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*97.2 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*98.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*101 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	395	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

East Wall
P904101-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*96.4 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	63.1	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*98.6 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*99.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*96.4 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	39.2	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

South Wall #1
P904101-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	0.0280	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	0.0280	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.9 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*94.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	625	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	284	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*121 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*99.9 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*94.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	430	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

South Wall #2
P904101-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.2 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.4 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	26.8	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*99.1 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*99.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*98.2 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.4 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	21.6	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Pipe Section
P904101-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	0.0960	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	0.0335	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	0.473	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	0.225	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	0.698	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*104 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*102 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	33.5	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	614	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	270	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*122 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*104 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*102 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	1700	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

South West Section
P904101-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*99.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**29.5**	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*96.7 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*99.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

North West Section
P904101-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.2 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	219	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	186	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*116 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.2 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

West Wall
P904101-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*95.6 %*	*50-200*		*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

Envirotech Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

North Wall
P904101-10 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*95.7 %*	*50-200*		*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*101 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Hole 1 Walls
P904101-11 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*94.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*97.1 %*	*50-200*		*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*98.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*94.9 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Hole 1 Bottom
P904101-12 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	0.0530	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	0.0665	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	0.374	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	0.199	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	0.573	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	26.5	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	582	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	213	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*122 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*101 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.6 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Hole 2 Walls
P904101-13 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	119	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	73.8	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*103 %*	*50-200*		*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Hole 2 Bottom
P904101-14 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	163	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	83.7	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*104 %*	*50-200*		*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Dump Line Bottom
P904101-15 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	226	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	99.8	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*101 %*	*50-200*		*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	212	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Dump Line Walls
P904101-16 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*98.8 %*	*50-200*		*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*		*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	1100	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Middle Section
P904101-17 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.3 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*99.7 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	150	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	82.0	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*102 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*97.3 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*99.7 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	208	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Initial Spill Walls
P904101-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.8 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*98.5 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916028	04/18/19	04/18/19	EPA 8015D	
Diesel Range Organics (C10-C28)	37.0	25.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916032	04/18/19	04/19/19	EPA 8015D	
Surrogate: n-Nonane		*105 %*		*50-200*	*1916032*	*04/18/19*	*04/19/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*97.8 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*98.5 %*		*70-130*	*1916028*	*04/18/19*	*04/18/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	1630	20.0	mg/kg	1	1916026	04/18/19	04/18/19	EPA 300.0/9056A	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1916028 - Purge and Trap EPA 5030A										
Blank (1916028-BLK1)				Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	*0.459*		"	*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.491*		"	*0.500*		*98.2*	*70-130*			
Surrogate: Bromofluorobenzene	*0.488*		"	*0.500*		*97.6*	*70-130*			
LCS (1916028-BS1)				Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Benzene	2.54	0.0250	mg/kg	2.50		102	70-130			
Toluene	2.47	0.0250	"	2.50		98.6	70-130			
Ethylbenzene	2.45	0.0250	"	2.50		98.0	70-130			
p,m-Xylene	4.77	0.0500	"	5.00		95.4	70-130			
o-Xylene	2.37	0.0250	"	2.50		94.6	70-130			
Total Xylenes	7.14	0.0250	"	7.50		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		"	*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.505*		"	*0.500*		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*0.493*		"	*0.500*		*98.6*	*70-130*			
Matrix Spike (1916028-MS1)		Source: P904101-01		Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Benzene	2.39	0.0250	mg/kg	2.50	ND	95.7	48-131			
Toluene	2.32	0.0250	"	2.50	ND	92.7	48-130			
Ethylbenzene	2.30	0.0250	"	2.50	ND	91.8	45-135			
p,m-Xylene	4.45	0.0500	"	5.00	ND	89.0	43-135			
o-Xylene	2.22	0.0250	"	2.50	ND	88.6	43-135			
Total Xylenes	6.67	0.0250	"	7.50	ND	88.9	43-135			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		"	*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.492*		"	*0.500*		*98.4*	*70-130*			
Surrogate: Bromofluorobenzene	*0.497*		"	*0.500*		*99.4*	*70-130*			
Matrix Spike Dup (1916028-MSD1)		Source: P904101-01		Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Benzene	2.40	0.0250	mg/kg	2.50	ND	95.9	48-131	0.188	23	
Toluene	2.33	0.0250	"	2.50	ND	93.1	48-130	0.344	24	
Ethylbenzene	2.30	0.0250	"	2.50	ND	91.9	45-135	0.0871	27	
p,m-Xylene	4.46	0.0500	"	5.00	ND	89.3	43-135	0.280	27	
o-Xylene	2.20	0.0250	"	2.50	ND	88.1	43-135	0.566	27	
Total Xylenes	6.67	0.0250	"	7.50	ND	88.9	43-135	0.00	27	
Surrogate: 1,2-Dichloroethane-d4	*0.499*		"	*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.495*		"	*0.500*		*99.0*	*70-130*			

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1916028 - Purge and Trap EPA 5030A										
Matrix Spike Dup (1916028-MSD1)	**Source: P904101-01**			Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Surrogate: Bromofluorobenzene	*0.486*		*ug/kg*	*0.500*		*97.1*	*70-130*			

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Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1916028 - Purge and Trap EPA 5030A										
Blank (1916028-BLK1)				Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.489*		"	*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.491*		"	*0.500*		*98.2*	*70-130*			
Surrogate: Bromofluorobenzene	*0.488*		"	*0.500*		*97.6*	*70-130*			
LCS (1916028-BS2)				Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Gasoline Range Organics (C6-C10)	48.6	20.0	mg/kg	50.0		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		"	*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.499*		"	*0.500*		*99.8*	*70-130*			
Surrogate: Bromofluorobenzene	*0.502*		"	*0.500*		*100*	*70-130*			
Matrix Spike (1916028-MS2)		Source: P904101-01		Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Gasoline Range Organics (C6-C10)	53.2	20.0	mg/kg	50.0	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.498*		"	*0.500*		*99.5*	*70-130*			
Surrogate: Bromofluorobenzene	*0.478*		"	*0.500*		*95.6*	*70-130*			
Matrix Spike Dup (1916028-MSD2)		Source: P904101-01		Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Gasoline Range Organics (C6-C10)	51.7	20.0	mg/kg	50.0	ND	103	70-130	2.90	20	
Surrogate: 1,2-Dichloroethane-d4	*0.488*		"	*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.499*		"	*0.500*		*99.8*	*70-130*			
Surrogate: Bromofluorobenzene	*0.490*		"	*0.500*		*97.9*	*70-130*			

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1916032 - DRO Extraction EPA 3570										
Blank (1916032-BLK1)				Prepared: 04/18/19 1 Analyzed: 04/18/19 2						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*48.4*		"	*50.0*		*96.9*	*50-200*			
LCS (1916032-BS1)				Prepared: 04/18/19 1 Analyzed: 04/18/19 2						
Diesel Range Organics (C10-C28)	432	25.0	mg/kg	500		86.3	38-132			
Surrogate: n-Nonane	*49.1*		"	*50.0*		*98.1*	*50-200*			
Matrix Spike (1916032-MS1)	**Source: P904101-01**			Prepared: 04/18/19 1 Analyzed: 04/19/19 0						
Diesel Range Organics (C10-C28)	811	25.0	mg/kg	500	345	93.2	38-132			
Surrogate: n-Nonane	*62.0*		"	*50.0*		*124*	*50-200*			
Matrix Spike Dup (1916032-MSD1)	**Source: P904101-01**			Prepared: 04/18/19 1 Analyzed: 04/19/19 0						
Diesel Range Organics (C10-C28)	855	25.0	mg/kg	500	345	102	38-132	5.30	20	
Surrogate: n-Nonane	*62.6*		"	*50.0*		*125*	*50-200*			

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1916026 - Anion Extraction EPA 300.0/9056A										
Blank (1916026-BLK1)				Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1916026-BS1)				Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Chloride	255	20.0	mg/kg	250		102	90-110			
Matrix Spike (1916026-MS1)		Source: P904101-01		Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Chloride	391	20.0	mg/kg	250	130	104	80-120			
Matrix Spike Dup (1916026-MSD1)		Source: P904101-01		Prepared: 04/18/19 0 Analyzed: 04/18/19 1						
Chloride	393	20.0	mg/kg	250	130	105	80-120	0.701	20	

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Analytical Laboratory

Enduring Resources, LLC	Project Name:	MC6 Com 160H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	04/22/19 14:54

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information | Chain of Custody | Page 1 of 2

Client: Enduring Resources	Report Attention
Project: MC A Com 160H	Report due by:
Project Manager: Chad Snell	Attention:
Address: 200 Energy Court	Address:
City, State, Zip Farmington, NM 87401	City, State, Zip
Phone: (505) 444-0586	Phone:
Email: CSnell@enduringresources.com	Email:

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
P904101	17065-0017	X				

State			
NM	CO	UT	AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1					Remarks
11:00	4-17-19	S	1	Section 1	1	X	X	X			X						
11:05			1	Section 2	2	X	X	X			X						
11:10				~~Seed~~ East Wall	3	X	X	X			X						
11:15				South Wall #1	4	X	X	X			X						
11:20				South Wall #2	5	X	X	X			X						
11:25				P.Pe Section	6	X	X	X			X						
11:30				South West Section	7	X	X	X			X						
11:35				North west Section	8	X	X	X			X						
11:40				West Wall	9	X	X	X			X						
11:45				North wall	10												

Additional Instructions: N.S ice in Cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: 4-18-19

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-18-19	8:30am		4-18-19	8:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information | Chain of Custody | Page 2 of 2

Client: Enduring Resources	Report Attention	Lab Use Only
Project: MC G Com 160	Report due by:	Lab WO# P904101
Project Manager: Chad Sorell	Attention:	Job Number 17065-0017
Address:	Address:	
City, State, Zip	City, State, Zip	
Phone:	Phone:	
Email:	Email:	

TAT		EPA Program		
1D	3D	RCRA	CWA	SDWA
X				

State			
NM	CO	UT	AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
11:50	4-17-19	S	1	Hole 1 Walls	11	X	X	X			X		
12:00				Hole 1 Bottom	12	X	X	X			X		
12:15				Hole 2 Walls	13	X	X	X			X		
12:05				Hole 2 Bottom	14	X	X	X			X		
12:20				Dump line Bottom	15	X	X	X			X		
12:25				Dump line Walls	16	X	X	X			X		
12:35				Middle Section	17	X	X	X			X		
12:45				Initial Spill Walls	18	X	X	X			X		

Additional Instructions: Yes ice in cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: 4-18-19

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-18-19	8:30am		4-18-19	8:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on Ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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

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United States Department of the Interior
Bureau of Land Management
New Mexico Farmington Field Office

Report of Undesirable Event

1. Operator: Whiptail Midstream, LLC			Field Name:			
2. IID NO (Lease, ROW, Unit/PA, CA):						
3. Date of Occurrence: 9/10/21			Time of Occurrence:			
4. Date Reported to BLM: 9/24/21		Time Reported to BLM:		Reported to: Adeloye, Abiodun		
5. Reported By: Ernest Johnson	Phone Number: 918-289-2147					
6. Person in Charge: Ernest Johnson	Phone Number: 918-289-2147					
7. Location: County: rio arriba	State: NM	T. 24N	R. 7W	Sec. 7	Qtr/Qtr:	or Unit I
8. Surface Ownership (BLM, other Federal, Fee, State, Indian):				Nearest Town or Landmark: Lybrook		
9. Well or Facility ID: MC COM#160						
10. Type of Event (See instructions): saltwater spill						
11. Cause of, and Extent of Event: ailure in the threads of a 2 inch to 1 inch reducer fitting on the above ground line downstream of the produced water discharge pump. some liquid spilled outside of containment but remained on pad.						
12. Volume Discharged or Consumed: Volume Recovered: Volume Lost:	Oil Oil Oil	Water 210+ bbls Water 210 bbls Water		Gas Gas Gas	Other Other Other	
13. Time required to Control Event: immediately upon discovery						
14. Action Taken to Control Event: Release was stopped and the reducer fitting was fixed						
15. Description of Potential/Resultant Damage and Cause/Extents of Personal Injuries: None - release remained on the pad						
16. Clean up Procedures and Dates: Whiptail removed 210 bbls of standing liquids via vac truck and are pulling back the liner to investigate potential impact to soil. A third party contractor was onsite 9/13/21 and 9/16/21 to oversee remediation of the release. Impacted soil was removed via hydrovac. Closure soil sampling will occur 9/28/21 at 11AM.						
17. Action Taken to Prevent Recurrence/Initiate or Update Contingency Planning: Reducer fitting was fixed						
18. General Remarks:						
19. Other Federal, State, & Local Agencies Notified: NMOCD, EPA, ACE, Tribe, FIMO, Landowner (list names, phone numbers), Other (List name and phone): The NMOCD was notified on 9/10/21 and incident # nAPP2125652492 was assigned to the release						
20. Signature: Ernest Johnson				Date: 9/24/21		

BLM USE ONLY

A. Field Office:		B. Date Reported to NMSO:
C. Event Classification (I, II, or III):		
D. Site Inspected By:		Date:
E. FY (PRIORITY YEAR): _____		INSPECTION NO:
F. INSPECTION TYPE:		G. ACTIVITY CODE (SV OR FA):
H. NO. TRIPS:	INSPECTION HRS:	OFFICE HRS:

EXHIBIT E

Instructions Report of Undesirable Events

1. Name of operator and field name.

2. Identification number for the lease, unit, participating area, communitization agreement, right of way.

3. Date and time the undesirable event occurred.

4. Date and time the undesirable event was reported to BLM; the person at the BLM that received the report. **NOTE: Major events require an immediate verbal report to a BLM Authorized Officer and a written report followup.**

5. Report by whom. Individual's name and telephone number.

6. Who will oversee the cleanup and their telephone number.

7. Exact location at which the undesirable event occurred.

8. Surface ownership; federal, state, fee, Indian, (describe) and other notable features like nearby town, communities, or landmarks.

9. Associated well number, tank battery identification, pipeline nomenclature or other identification description.

10. Type of event; oil and saltwater spill, saltwater spill, oil and toxic fluid spill, saltwater and toxic fluid spill, frac, fluid spill, gas venting, blowout, fire, fatality, injury, property damage or other (specify).

11. Describe cause and extent of event so a determination can be made as to avoidable or unavoidable loss.

12. List the amount discharged, per material, because of the event and list the amount, per material, recovered from the event. Also list the amount which was lost.

13. Time required to control the event in hours from the time of occurrence to when the event was stopped.

14. Describe the procedures and actions that were taken to control the event (include and attach photographs).

15. Describe the damage that that event caused, estimate the acreage of surface disturbance or length (feet, yard, miles) of area affected; document any affected cultural resources, loss of any wildlife or livestock, and the cause and extent of any injury; identify if any sensitive areas or surface waters are or could be affected (include stream and arroyo names if known).

16. Describe the cleanup procedures that were used along with dates and plans for reclaiming or remediating the disturbed areas.

17. Describe the actions taken or plans to prevent future events or if contingency plans will be developed or modified.

18. List any other Miscellaneous remarks.

19. Identify other federal, state, and local agencies notified such as Environmental Protection Agency (EPA), New Mexico Oil Conservation Division (NMOCD), New Mexico Environmental Department (NMED), New Mexico Ground Water Quality Bureau (NMGWQB), New Mexico Surface Water Quality Bureau (NMSWQ), County Office of Emergency (OEM), Landowners (list names and phone numbers). Other agencies (list names and phone numbers).

20. Signature and date of person receiving or submitting the report.

A. BLM Field Office where the undesirable event occurred.

B. Actual date reported to the BLM New Mexico State Office: Send a copy of the event report to NMSO via e-mail (TO BE DETERMINED) or FAX (TO BE DETERMINED).

C. Determine and document the proper event classification.

Major Event: Class I: >100 Barrels of fluids, > 500 Mcf, into environmentally sensitive areas, or major incidents.

Class II: >10 but<100 Barrels of fluids, >50 Mcf but <500 Mcf

Class III: <10 Barrels of fluids, >50 Mcf

D. List the inspection date and the BLM on site inspector.

E. Current Fiscal Year and Inspection Number by I&E.

F. Inspection type: NU = Undesirable Event

G. Activity Code: SV = Spills or venting of gas

FA = Fires or personnel accidents.

H. Number of onsite trips, inspection hours on site, travel hours to and from the site and number of office hours.