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	NAPP2213229527
District RP	2
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party LH Operating, LLC	OGRID 326271
Contact Name Mike Burton	Contact Telephone 575-499-5306
Contact email Mike@lhoperating.com	Incident # *(assigned by OCD)*
Contact mailing address 4809 Cole AVE #106 Dallas, TX 75205	

Location of Release Source

Latitude 32.847222 Longitude -103.851226
(NAD 83 in decimal degrees to 5 decimal places)

Site Name H E West B 34	Site Type Oil
Date Release Discovered 5-9-2022	API# *(if applicable)* 30-015-25989

Unit Letter	Section	Township	Range	County
I	10	17S	31E	Eddy

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) 1	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 19	Volume Recovered (bbls) 0
	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
Injection line valve was opened onto location.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2213229527
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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: Mike Burton Title: _____

Signature: Michael Burton Date: 5/10/2022

email: mike@lhoperating.com Telephone: 575-499-5306

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2213229527
District RP	2
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	300 (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	NAPP2213229527
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Mike Burton Title: _____

Signature: Michael Burton Date: 5-10-2022

email: mike@lhoperating.com Telephone: 575-499-5306

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2213229527
District RP	2
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: Mike Burton Title: _____

Signature: Michael Burton Date: 5-10-2022

email: mike@lhoperating.com Telephone: 575-499-5306

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	NAPP2213229527
District RP	2
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Incident ID	NAPP2213229527
District RP	2
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: Mike Burton Title: _____

Signature: Michael Burton Date: 5-10-2022

email: mike@lhoperating.com Telephone: 575-499-5306

OCD Only

Received by: Robert Hamlet Date: 3/3/2023

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

Signature: Robert Hamlet Date: 3/3/2023

Proposed Remediation Plan

LH Operating
H E West B 34
Eddy County, New Mexico
Latitude 32.847222 North, Longitude 103.851226 West
Unit Letter "I", Section 10, Township 17 South, Range 31 East
NMOCD Incident # nAPP2213229527

Prepared By:

T Squared Energy Environmental Services
6014 East County Rd 73
Midland, Tx 79705

Lindsey Nevels
Environmental Director
Lindsey@tsquaredenergy.com

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June 08, 2022

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

Hobbs Field Office
New Mexico State Land Office
2827 North Dal Paso Street
Hobbs, NM 88240

LH Operating, LLC
4809 Cole Ave #106
Dallas, TX 75205

RE: Remediation Work Plan
LH Operating, LLC

Latitude 32.847222 North, Longitude 103.851226 West
Unit Letter "I", Section 10, Township 17 South, Range 31 East
Eddy County, New Mexico
NMOCD Incident # nAPP2213229527

T Squared Environmental Services, on behalf of LH Operating LLC, submits this *Proposed Remediation Work Plan* to the New Mexico Oil Conservation Division (NMOCD). This Report provides documentation of detailed sampling and proposed remedial actions to address the H E West B 34 release. This report serves as a condensed update on field activities undertaken at the afore referenced Site.

Project Information

The site is in Unit Letter I (NE/SE), Section 10, Township 17 South, Range 31 East. The spill area measures approximately 2,400 sq. ft. and is approximately 10 miles east of Loco Hills, New Mexico on Federal Land. Site Map included, respectively. Latitude 32.847222 North, Longitude 103.851226

1.0 Background

On May 9, 2022, a release was discovered on an active well pad: H E West B34. The release was attributed to an injection line valve left opened releasing approximately 19 BBLS of produced water and 1 bbl. of oil with zero (0) recovered.

Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. Remediation pages of the NMOCD Form C-141 are included as Attachment V. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map, Delineation Map, are included as Figure 1, Figure 2, Figure 3, and Figure 4, respectively.

2.0 NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed to determine the horizontal distance to known water sources within a half-mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Estimated depth to groundwater is approximately 300’ Bgs. Depth to groundwater information is provided as Attachment II and the results are depicted on Figures 1,2, and 3.

Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows. Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), if a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater.

LH Operating H E West B34 Closure Standard: **<50'** 600 mg/kg: 100 mg/kg	YES	No
What is the shallowest depth to groundwater beneath the area affected by the release? **>100' BGS**		
Did the release impact groundwater or surface water?		✓
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?		✓
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?		✓
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?		✓
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?		✓
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?		✓
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?		✓
Are the lateral extents of the release within 300 feet of a wetland?		✓
Are the lateral extents of the release overlying a subsurface mine?		✓
Are the lateral extents of the release overlying an unstable area such as karst geology?		✓
Are the lateral extents of the release within a 100-year floodplain?		✓
Did the release impact areas not on an exploration, development, production or storage site?		✓

Table 1

Closure Criteria for Soil Impacted by a Release			
Probable Depth to Groundwater	**Constituent**	**Method**	**Limit**
300'	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	N/A mg/kg
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg

* Measured in milligrams per kilogram (mg/kg)
† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).
‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D. (1) NMAC.

3.0 Delineation Activities

On May 23, 2022, T Squared Environmental, conducted an initial site assessment. During the initial assessment, a series of mechanical soil bores were advanced within the release margins to determine the vertical extent of impacted soil. In addition, sample test trenches were advanced along the inferred edges of the affected area to determine the horizontal extent of contamination. During the advancement of the soil bores and test trenches, soil samples were collected, and field screened for the presence of volatile organic compounds via a photoionization detector (PID) and chloride concentrations utilizing a Hach Quan tab® chloride test kit.

Based on field observations and field test data, T Squared Environmental Services collected (22) twenty-two representative soil samples for laboratory analysis. Delineation soil samples represented by SP1 - SP4 and HZ1-HZ7 were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH or chloride concentrations were below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard with the exception of SP1-Surf, SP2-Surf, SP3-5, SP4-Surf, and HZ3-1'. Based on soil sample analysis and PID readings, the site appears to be delineated both vertically and horizontally apart from HZ3.

A delineation Sample Location Map is provided as Figure 4. A summary of Soil Sample Laboratory Analytical Results is provided as Table 2, and Laboratory Analytical Reports are provided as Attachment IV.

4.0 PROPOSED ACTIONS

Based on the initial site assessment, and laboratory analytical results made during the initial site assessment, LH Operating respectfully proposes the following remediation activities in order to advance the site toward an approved closure:

- All visible staining will be removed and hauled to a state approved disposal facility.
- Horizontal delineation of the impacted area will be addressed during the remediation activities.
- Areas represented by SP1 & SP4, excavate approximately 2' Bgs or until or until laboratory confirmation results show Chloride, TPH, and BTEX are under the NMOCD Closure Criteria
- Area represented by SP2 & SP3 excavate approximately 3'-4'Bgs. Bgs or until or until laboratory confirmation results show Chloride, TPH, and BTEX are under the NMOCD Closure Criteria
- GPS time stamped photographs of excavation activities.
- After excavation, confirmation bottom hole and sidewall samples will be collected representing every 200sq.ft and sent to a lab and tested for TPH, BTEX and Chloride. All final confirmation analytical results and remediation activities will be documented in the *Request for Closure Report* submitted after final remediation activities are complete.
- Excavated soil will be transported for disposal to an NMOCD permitted disposal facility.
- Backfill will be sourced from native like material, clean soil, sourced locally from nearby area, approved BLM location.
- All areas will then be reseeded in the appropriate season with a BLM approved seed mix
- A *Request for Closure Report* will be submitted detailing all remediation activities conducted in accordance with the NMOCD.

5.0 Sampling Plan:

Upon completion of excavation activities, confirmation five-point composite soil samples will be collected from the floor and sidewalls of the excavated area representing every 200 square feet.

Estimated Timeline and Remediation Soil Volume:

Proposed estimated excavation volume: *Approximately 210 cubic yards*
Remediation activities are expected to be completed within 90 days of receiving necessary approval of this *Remediation Work Plan.*

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavated areas will be backfilled with locally sourced clean, non-impacted "like" material placed at or near relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

Limitations:

T Squared Energy Environmental Services has prepared this *Site Assessment and Proposed Remediation Request to* the best of its ability. No other warranty, expressed or implied, is made or intended. T Squared has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. T Squared has not conducted an independent examination of the facts contained in referenced materials and statements. T Squared has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. T Squared notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. HMSS has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants.

This report has been prepared for the benefit of LH Operating LLC. Use of the information contained in this report is prohibited with consent of T Squared Energy and/or LH Operating, LLC.

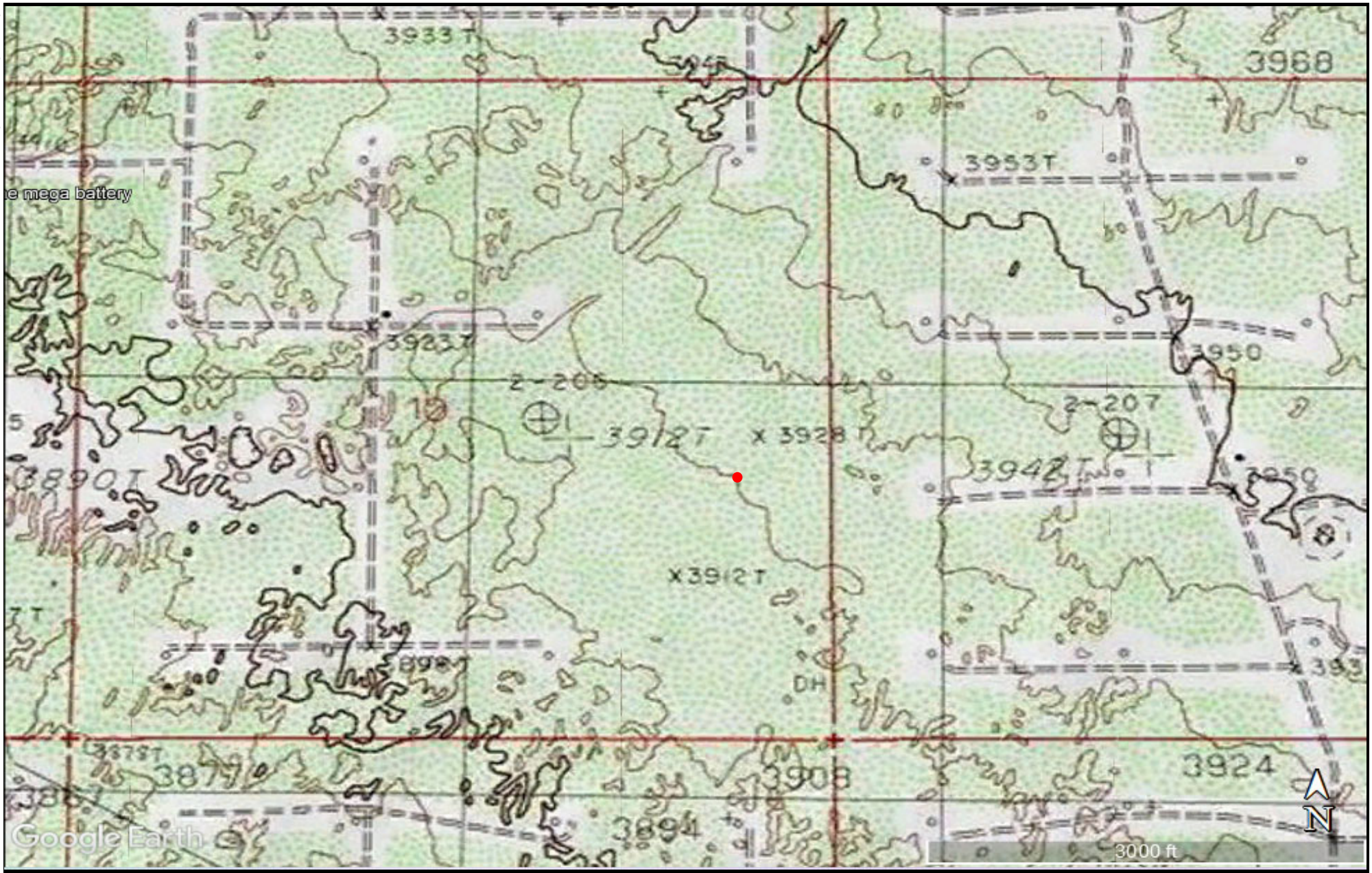
Distribution:

LH Operating LLC
4809 Cole Ave #106
Dallas, TX 75205

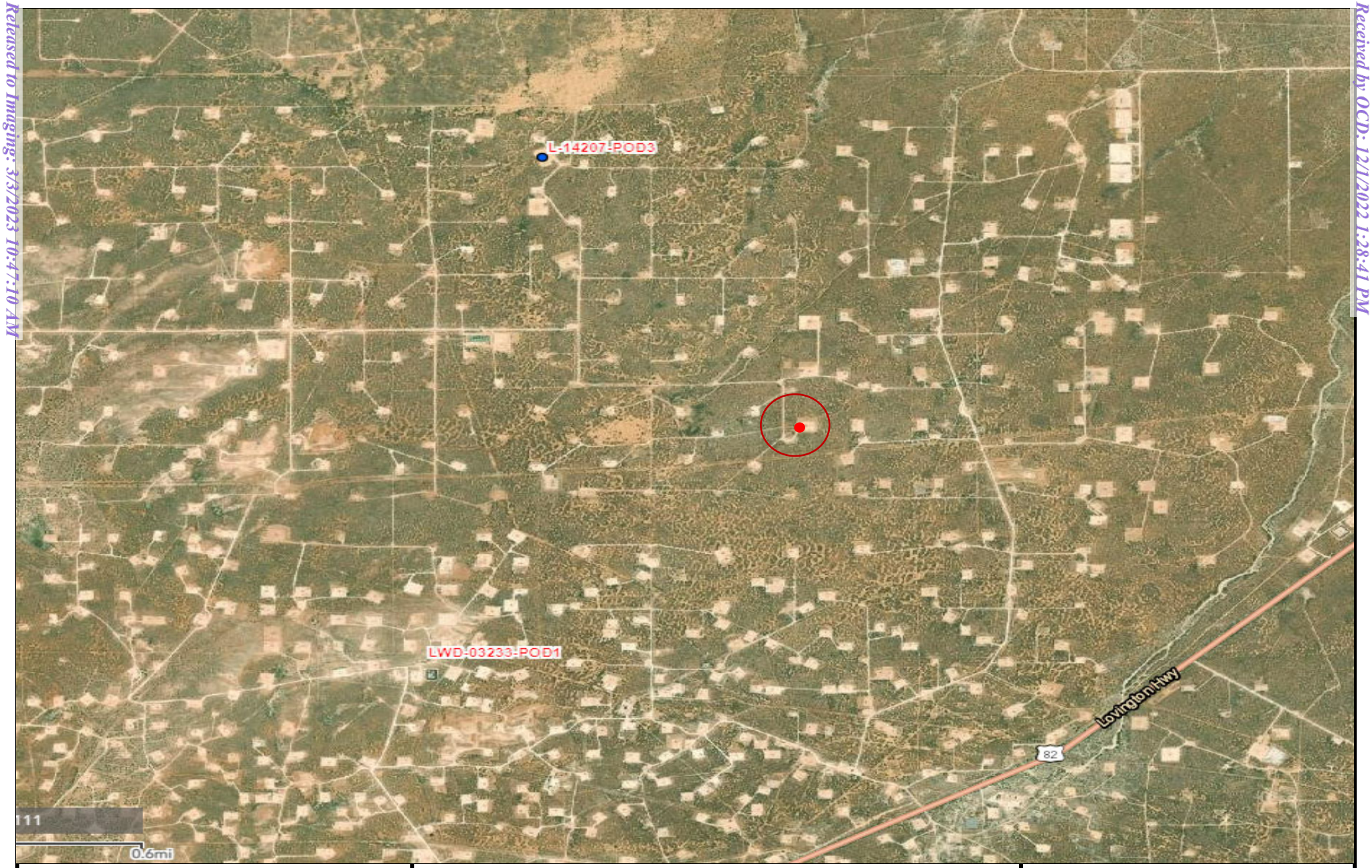
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

Hobbs Field Office
New Mexico State Land Office
2827 North Dal Paso Street
Hobbs, NM 88240

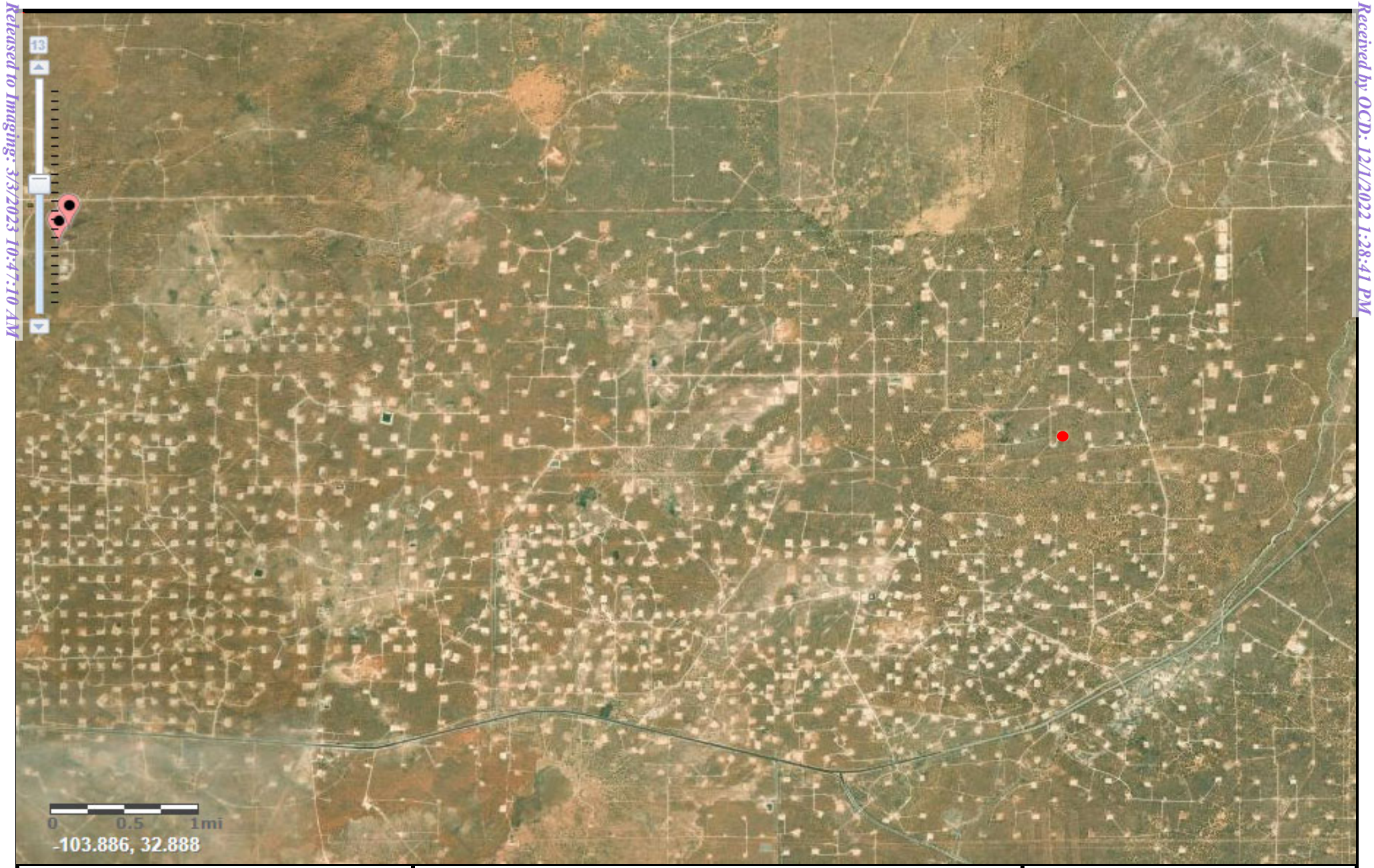
Figures



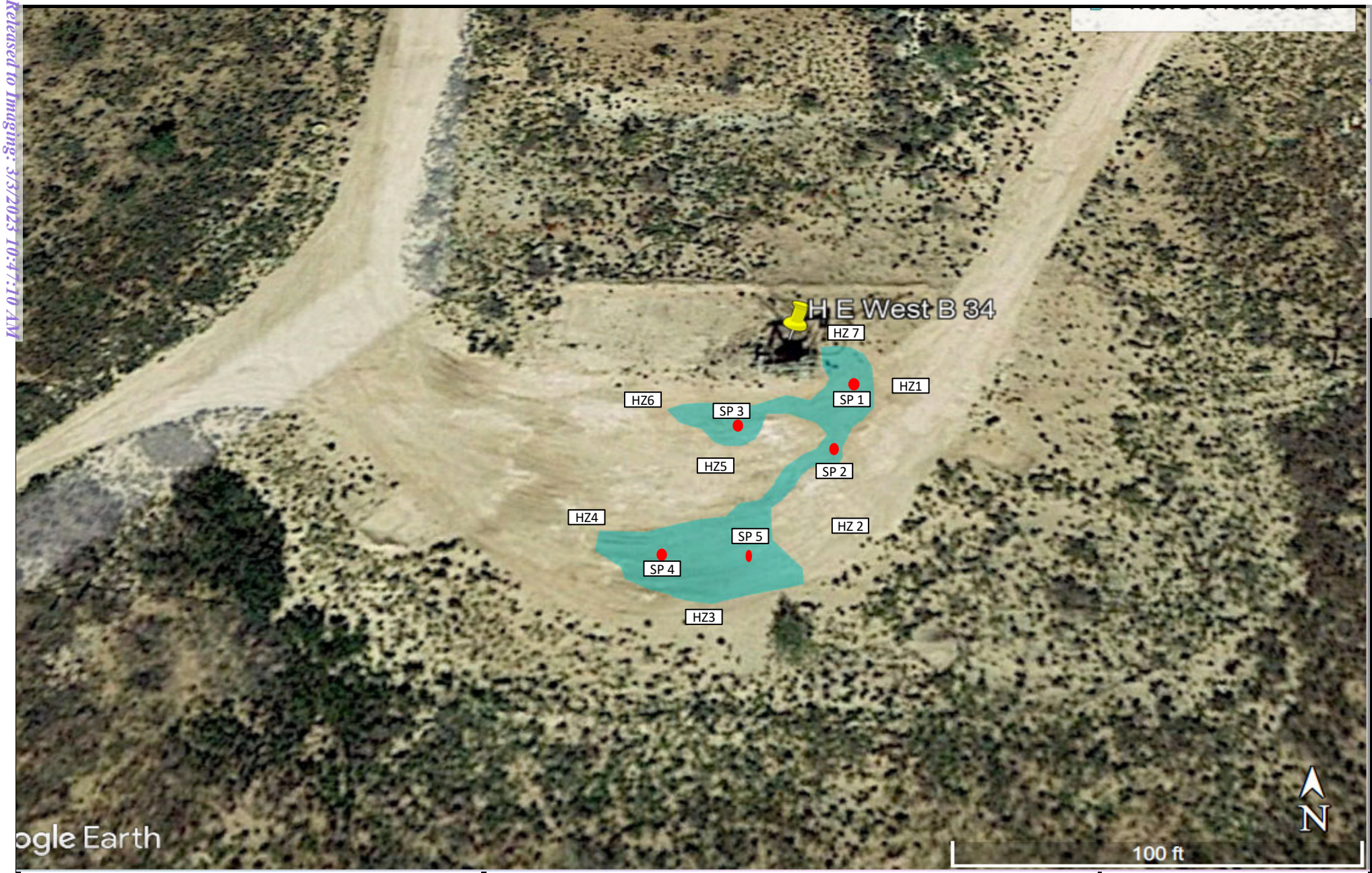
Legend	Topography Map	Figure 1
● H E West B 34 Location	LH Operating, LLC H E West B 34 GPS: 32.847222, -103.851226 Eddy County	



Legend:	OSE POD Locations Map	Figure 2
H E West B 34 Location Active OSE Water Well	LH Operating, LLC H E West B 34 GPS: 32.847222, -103.851226 Eddy County	T SQUARED ENERGY FIELD SERVICES



Legend:	USGS Well Locations Map	Figure 3
H E West B 34 Location USGS Well Location	LH Operating, LLC H E West B 34 GPS: 32.847222, -103.851226 Eddy County	



Legend:	Delineation Sample Map	Figure 4
Release Area SP1 Delineation Sample Location	LH Operating, LLC Skelly A PW Tank GPS: 32.847222, -103.851226 Eddy County New Mexico	

Table

TABLE 1
Summary of Soil Sample Laboratory Analytical Results
H E West B4

NMOCD Incident # nAPP2213229527

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
SP 1	5/23/22	Surf	In-Situ	ND	0.117	ND	12300	12300	ND	12,300	**8,560**
	5/23/22	4'	In-Situ	ND	ND	ND	92	92.1	ND	92	145
SP 2	5/23/22	Surf	In-Situ	ND	0.14	ND	12,200	12200	ND	12,200	**11,500**
	5/23/22	6'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SP 3	5/23/22	Surf	In-Situ	ND	1.07	26.8	27,900	27927	11400	39,327	**9,670**
	5/23/22	8'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SP 4	5/23/22	Surf	In-Situ	0.0789	12.9	133	30,100	30233	11100	41,333	**18,000**
	5/23/22	4'	In-Situ	ND	ND	ND	ND	ND	ND	ND	170
HZ 1	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	**516**
	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	214
HZ 2	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ 3	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	**24**
	5/23/22	1'	In-Situ	ND	ND	ND	144	144	ND	144	145
HZ 4	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	33
	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ 5	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	48
HZ 6	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ 7	5/23/22	Surf	In-Situ	ND	ND	ND	80	ND	ND	ND	41
	5/23/22	1'	In-Situ	ND	ND	ND	37.7	ND	ND	ND	91
HZ3 B		Surf	In-Situ								
		1'	In-Situ								

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Attachment I
Site Photographs

Photographs

Photo:	Description: SP1

Photo:	Description: SP2

Photographs

Photo: 3	Description: SP 3

Photo: 4	Description: Background

Attachment II
Depth to Groundwater

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LWD 03233 POD1		1	4	16	17S	31E	605524	3633307*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: **Drill Finish Date:** **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: LWD 03233 **Subbasin:** RA **Cross Reference:** LWD-RA-319

Primary Purpose: PLS NON 72-12-1 LIVESTOCK WATERING

Primary Status: DCL DECLARATION

Total Acres: 1 **Subfile:** - **Header:** -

Total Diversion: 6 **Cause/Case:** -

Owner: CHARLES R MARTIN INC

Contact: CHARLES M WARD, VP

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images 696718	DCL	1992-09-28	DCL	PRC	LWD-RA-319	T	1	6	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
LWD 03233 POD1			1	4	16	17S	31E		605524	3633307*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Priority Summary

Priority	Status	Acres	Diversion	Pod Number
12/31/1952	DCL	1	6	LWD 03233 POD1

Place of Use

Q 256	Q 64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
	1	4	16	17S	31E		1	6		PLS	12/31/1952	DCL	

Source

Acres	Diversion	CU	Use	Priority	Source	Description
1	6		PLS	12/31/1952	SW	

5/31/22 8:55 PM WATER RIGHT SUMMARY

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 14207 POD1	3	3	2	01	17S	36E	658500	3637679

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	10/07/2016	**Drill Finish Date:**	10/12/2016	**Plug Date:**	
Log File Date:	12/12/2016	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	240 feet	**Depth Water:**	100 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	110	Sandstone/Gravel/Conglomerate
	110	112	Sandstone/Gravel/Conglomerate
	112	117	Sandstone/Gravel/Conglomerate
	140	170	Sandstone/Gravel/Conglomerate
	170	190	Sandstone/Gravel/Conglomerate
	190	200	Sandstone/Gravel/Conglomerate
	200	216	Sandstone/Gravel/Conglomerate
	216	218	Sandstone/Gravel/Conglomerate
	218	226	Sandstone/Gravel/Conglomerate
	226	240	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	90	230

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: L 14207 **Subbasin:** L **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: CHEVRON MIDCONTINENT LP

Contact: SCOTT FOORD

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	629010	EXPL	2018-07-20	PMT	APR	L 14207 POD5-7	T	0	0	
get images	629009	EXPL	2018-07-19	PMT	PRC	L 14207 POD8	T	0	0	
get images	628990	EXPL	2018-07-19	PMT	PRC	L 14207 POD4	T	0	0	
get images	593141	EXPL	2016-09-30	PMT	LOG	L-14207 POD1-3	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
L 14207 POD1		Shallow	3	3	2	01	17S	36E	658500	3637679	MW-1 LPU-59
L 14207 POD2		Shallow	2	4	1	01	17S	36E	658222	3637712	LPU-60
L 14207 POD3		Shallow	2	3	3	31	16S	37E	606117	3636977	LPU-96
L 14207 POD4	NA		4	4	1	01	17S	36E	658239	3637687	MW-2 (LPU-60)
L 14207 POD5	NA			2	2	01	17S	36E	658596	3638048	MW-14 (WATER PLANT)
L 14207 POD6	NA			1	2	01	17S	36E	658624	3637936	MW-15 (WATER PLANT)
L 14207 POD7	NA			2	2	01	17S	36E	658438	3638022	MW-16 (WATER PLANT)
L 14207 POD8	NA		4	3	2	01	17S	36E	658527	3637655	

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	L 14207 POD2	2	4	1	01	17S	36E	658222	3637712

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	10/05/2016	**Drill Finish Date:**	10/12/2016	**Plug Date:**	
Log File Date:	12/12/2016	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	230 feet	**Depth Water:**	101 feet

Water Bearing Stratifications:	Top	Bottom	Description
	88	110	Sandstone/Gravel/Conglomerate
	110	112	Sandstone/Gravel/Conglomerate
	112	120	Sandstone/Gravel/Conglomerate
	120	130	Sandstone/Gravel/Conglomerate
	130	150	Sandstone/Gravel/Conglomerate
	150	190	Sandstone/Gravel/Conglomerate
	190	215	Sandstone/Gravel/Conglomerate
	215	216	Sandstone/Gravel/Conglomerate
	216	218	Sandstone/Gravel/Conglomerate
	218	223	Sandstone/Gravel/Conglomerate
	223	230	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	90	220

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 14207 POD3	2	3	3	31	16S	37E	606117	3636977

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	10/03/2016	**Drill Finish Date:**	10/12/2016	**Plug Date:**	
Log File Date:	12/12/2016	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	240 feet	**Depth Water:**	96 feet

Water Bearing Stratifications:	Top	Bottom	Description
	75	140	Sandstone/Gravel/Conglomerate
	140	200	Sandstone/Gravel/Conglomerate
	200	205	Sandstone/Gravel/Conglomerate
	205	218	Sandstone/Gravel/Conglomerate
	218	236	Sandstone/Gravel/Conglomerate
	236	237	Sandstone/Gravel/Conglomerate
	237	240	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	90	220

Attachment III
Field Data

HE West B34- (4 SP) (7 Hz

LH-operating 05-23-22
HE West B34

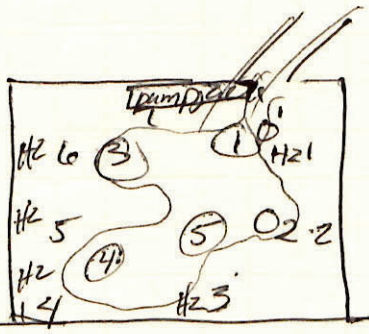
Sp 1 - surf lab
2' - 650 TPH
4' <100 lab

Sp 2- surf lab
2' TPH <100
4' TPH <100
6 - <100 lab

Sp3- surf lab
2' TPH 780
4' TPH 244
6' <100
8 <100

Sp4- surf lab
2' - 976
4' 800
6' 600
8

Hz1- surf <1600 lab
1' <1600 lab
Hz2-Surf <600 lab → Hz2-Surf
1' <600 lab → 1'
Hz3-Surf <300 lab
1' <100 lab
Hz4-Surf <100 lab
1' <100 lab
Hz5-Surf <100 lab
1' <100 lab
Hz6-Surf <100 lab
1' <100 lab
Hz7- Surf <100 lab
1' <100 lab



1,237

LH operating composite Closures 600

84
120
204

2.2'
2.3'

T

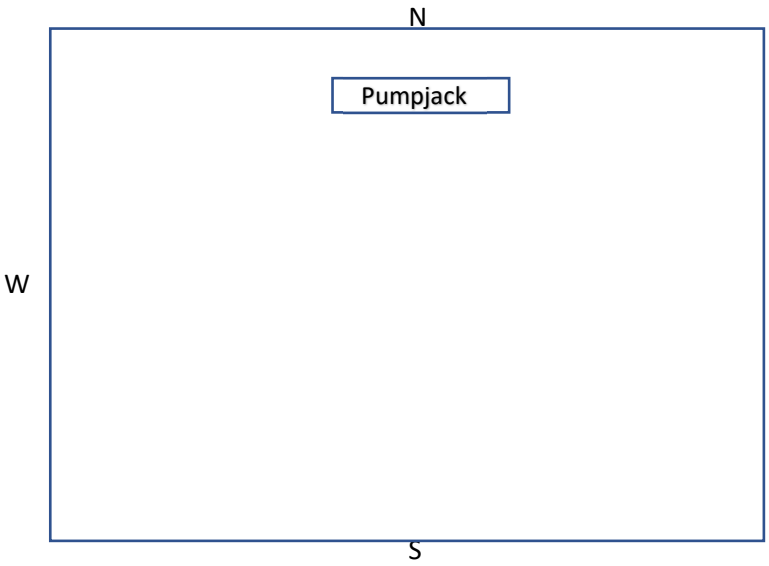
Initial Site Assessment

Date:

Project: Skelly - LH operating Clean Up Level: 600ppm/100 - 10,000/2500

Latitude: 32.847222 Longitude: -103.851226

Site Diagram



Notes:

Scraped up fluid on location hauled to disposal: Began deliniation by use of backhoe

~Length: ~Width: ~Area: 2400 sq ft ~Depth:

	Yes	No
Photos of the affected area?	X	☐
Samples field screened and on Ice?	X	☐
Sample field data entered on Sample Log?	X	☐
Horizontal and Vertical delineation achieved?	X	☐

Soil Profile

Date: _____

Project: H E West B4

Latitude: 32.847222 Longitude: -103.851226

Depth (ft. bgs)	Description
1	Caliche
2	Soil
3	soil
4	soil
5	Caliche
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
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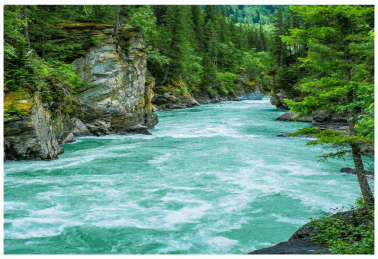
Attachment IV
Laboratory Analytical Reports

Report to:

Lindsey Nevels



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

T- Squared Energy

Project Name:	LH- Operating - H-E West B34
Work Order:	E206011
Job Number:	22055-0001
Received:	6/1/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/7/22

Date Reported: 6/7/22

Lindsey Nevels
1057 County Road 309
Orange Grove, TX 78372-9743

Project Name: LH- Operating - H-E West B34
Workorder: E206011
Date Received: 6/1/2022 10:45:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2022 10:45:00AM, under the Project Name: LH- Operating - H-E West B34.

The analytical test results summarized in this report with the Project Name: LH- Operating - H-E West B34 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - Surf	E206011-01A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
SP1 - 4'	E206011-02A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
SP2 - Surf	E206011-03A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
SP2 - 6'	E206011-04A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
SP3 - Surf	E206011-05A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
SP3 - 8'	E206011-06A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
SP4 - Surf	E206011-07A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
SP4-	E206011-08A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP1 - Surf

E206011-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	**0.0291**	0.0250	1	06/03/22	06/06/22	H3
Toluene	**0.0561**	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	**0.0432**	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	**0.0737**	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	**0.117**	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*119 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	**12300**	2500	100	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	5000	100	06/03/22	06/06/22	
Surrogate: n-Nonane		*194 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**8560**	200	10	06/03/22	06/03/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP1 - 4'

E206011-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	**92.1**	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**145**	20.0	1	06/03/22	06/03/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP2 - Surf

E206011-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	**0.0397**	0.0250	1	06/03/22	06/06/22	H3
Toluene	**0.0581**	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	**0.0563**	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	**0.0836**	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	**0.140**	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.4 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	**12200**	2500	100	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	5000	100	06/03/22	06/06/22	
Surrogate: n-Nonane		*%*	*50-200*	*06/03/22*	*06/06/22*	*S6*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**11500**	200	10	06/03/22	06/03/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP2 - 6'

E206011-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/03/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP3 - Surf

E206011-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	**0.166**	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	**0.374**	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	**0.694**	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	**1.07**	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	**26.8**	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	**27900**	2500	100	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	**11400**	5000	100	06/03/22	06/06/22	
Surrogate: n-Nonane		*%*	*50-200*	*06/03/22*	*06/06/22*	*S6*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**9670**	400	20	06/03/22	06/03/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP3 - 8'

E206011-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**521**	20.0	1	06/03/22	06/03/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP4 - Surf

E206011-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	**0.0789**	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	**5.44**	0.0250	1	06/03/22	06/06/22	H3
Toluene	**2.59**	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	**3.69**	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	**9.23**	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	**12.9**	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	**133**	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	**30100**	2500	100	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	**11100**	5000	100	06/03/22	06/06/22	
Surrogate: n-Nonane		*192 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**18000**	100	5	06/03/22	06/03/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

SP4-

E206011-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**170**	20.0	1	06/03/22	06/03/22	

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223057-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
LCS (2223057-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	9.90	0.0500	10.0		99.0	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike (2223057-MS1)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	5.47	0.0250	5.00	ND	109	54-133			
Ethylbenzene	4.99	0.0250	5.00	0.0291	99.3	61-133			
Toluene	5.31	0.0250	5.00	0.0561	105	61-130			
o-Xylene	5.14	0.0250	5.00	0.0432	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	0.0737	102	63-131			
Total Xylenes	15.4	0.0250	15.0	0.117	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*9.53*		*8.00*		*119*	*70-130*			
Matrix Spike Dup (2223057-MSD1)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	5.22	0.0250	5.00	ND	104	54-133	4.74	20	
Ethylbenzene	4.77	0.0250	5.00	0.0291	94.8	61-133	4.60	20	
Toluene	5.08	0.0250	5.00	0.0561	101	61-130	4.42	20	
o-Xylene	4.91	0.0250	5.00	0.0432	97.3	63-131	4.57	20	
p,m-Xylene	9.79	0.0500	10.0	0.0737	97.2	63-131	4.58	20	
Total Xylenes	14.7	0.0250	15.0	0.117	97.2	63-131	4.58	20	
Surrogate: 4-Bromochlorobenzene-PID	*9.49*		*8.00*		*119*	*70-130*			

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223057-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
LCS (2223057-BS2)									Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
Matrix Spike (2223057-MS2)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	70.4	20.0	50.0	ND	141	70-130			M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.02*		*8.00*		*87.8*	*70-130*			
Matrix Spike Dup (2223057-MSD2)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	69.5	20.0	50.0	ND	139	70-130	1.20	20	M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223065-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2223065-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	495	25.0	500		99.0	38-132			
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*50-200*			
Matrix Spike (2223065-MS1)				**Source: E206010-02**					Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	4190	1250	500	4780	NR	38-132			M4
Surrogate: n-Nonane	*102*		*50.0*		*204*	*50-200*			*S5*
Matrix Spike Dup (2223065-MSD1)				**Source: E206010-02**					Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	5190	1250	500	4780	81.5	38-132	21.3	20	R3
Surrogate: n-Nonane	*102*		*50.0*		*203*	*50-200*			*S5*

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223058-BLK1)									Prepared: 06/03/22 Analyzed: 06/03/22
Chloride	ND	20.0							
LCS (2223058-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	271	20.0	250		109	90-110			
LCS Dup (2223058-BSD1)									Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	242	20.0	250		96.9	90-110	11.4	20	

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

Definitions and Notes

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:49

H3	Due to laboratory error, sample analysis was performed past holding time.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
S6	Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Client: T-Squared Energy-
Project: Lit-operating - H-E West B3H
Sampler: Lindsay Nevdb
Phone: 432 241-2480
Email(s): Lindsay@TSquaredenergy.com
Project Manager:

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# PE2060011
Job Number 22055-0001

Page ___ of ___

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
Sp1-surf	5/23/22				X	X	X		1	
Sp1-4'	5/23/22				X	X	X		2	
Sp2-surf	5/23/22				X	X	X		3	
Sp2-6'	5/23/22				X	X	X		4	
Sp3-surf	5/23/22				X	X	X		5	
Sp3-8'	5/23/22				X	X	X		6	
Sp4-surf	5/23/22				X	X	X		7	
Sp4-	5/23/22					X	X		8	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				5.31.22	
	5.31.22			6/1/22	10:45

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
**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.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 6/1/2022 3:09:19PM

Sample Receipt Checklist (SRC)

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

Client:	T- Squared Energy	Date Received:	06/01/22 10:45	Work Order ID:	E206011
Phone:	(432) 241-2480	Date Logged In:	06/01/22 11:28	Logged In By:	Caitlin Christian
Email:	lindsey@tsquaredenergy.com	Due Date:	06/07/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	No	
Collectors name?	No	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Time sampled and Matrix not provided on COC.

Client Instruction

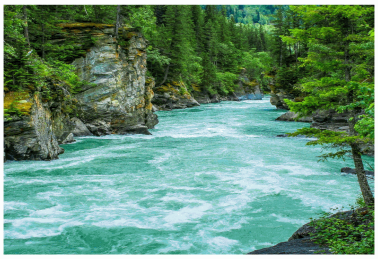
Signature of client authorizing changes to the COC or sample disposition.

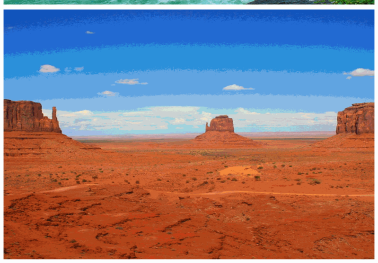
Date

envirotech Inc.

Report to:

Lindsey Nevels





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Practical Solutions for a Better Tomorrow

Analytical Report

T- Squared Energy

Project Name:	LH- Operating - H-E West B34
Work Order:	E206012
Job Number:	22055-0001
Received:	6/1/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/7/22

Date Reported: 6/7/22

Lindsey Nevels
1057 County Road 309
Orange Grove, TX 78372-9743

Project Name: LH- Operating - H-E West B34
Workorder: E206012
Date Received: 6/1/2022 10:45:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2022 10:45:00AM, under the Project Name: LH- Operating - H-E West B34.

The analytical test results summarized in this report with the Project Name: LH- Operating - H-E West B34 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HZ1 - Surf	E206012-01A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ1 - 1'	E206012-02A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ2 - Surf	E206012-03A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ2 - 1'	E206012-04A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ3 - Surf	E206012-05A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ3 - 1'	E206012-06A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ4 - Surf	E206012-07A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ4 - 1'	E206012-08A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ5 - Surf	E206012-09A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ5 - 1'	E206012-10A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ1 - Surf

E206012-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**516**	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ1 - 1'

E206012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**244**	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ2 - Surf

E206012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ2 - 1'

E206012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ3 - Surf

E206012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	**90.2**	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**24.0**	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ3 - 1'

E206012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	**144**	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*06/03/22*	*06/06/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**148**	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ4 - Surf

E206012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/03/22*	*06/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**33.4**	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ4 - 1'

E206012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/03/22*	*06/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ5 - Surf

E206012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*06/03/22*	*06/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/04/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

HZ5 - 1'

E206012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*06/03/22*	*06/07/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/03/22*	*06/07/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2223058
Chloride	**47.5**	20.0	1	06/03/22	06/04/22	

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223057-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
LCS (2223057-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	9.90	0.0500	10.0		99.0	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike (2223057-MS1)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	5.47	0.0250	5.00	ND	109	54-133			
Ethylbenzene	4.99	0.0250	5.00	0.0291	99.3	61-133			
Toluene	5.31	0.0250	5.00	0.0561	105	61-130			
o-Xylene	5.14	0.0250	5.00	0.0432	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	0.0737	102	63-131			
Total Xylenes	15.4	0.0250	15.0	0.117	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*9.53*		*8.00*		*119*	*70-130*			
Matrix Spike Dup (2223057-MSD1)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	5.22	0.0250	5.00	ND	104	54-133	4.74	20	
Ethylbenzene	4.77	0.0250	5.00	0.0291	94.8	61-133	4.60	20	
Toluene	5.08	0.0250	5.00	0.0561	101	61-130	4.42	20	
o-Xylene	4.91	0.0250	5.00	0.0432	97.3	63-131	4.57	20	
p,m-Xylene	9.79	0.0500	10.0	0.0737	97.2	63-131	4.58	20	
Total Xylenes	14.7	0.0250	15.0	0.117	97.2	63-131	4.58	20	
Surrogate: 4-Bromochlorobenzene-PID	*9.49*		*8.00*		*119*	*70-130*			

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223057-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
LCS (2223057-BS2)									Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
Matrix Spike (2223057-MS2)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	70.4	20.0	50.0	ND	141	70-130			M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.02*		*8.00*		*87.8*	*70-130*			
Matrix Spike Dup (2223057-MSD2)				**Source: E206011-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	69.5	20.0	50.0	ND	139	70-130	1.20	20	M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223065-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2223065-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	495	25.0	500		99.0	38-132			
Surrogate: n-Nonane	*58.0*		*50.0*		*116*	*50-200*			
Matrix Spike (2223065-MS1)				**Source: E206010-02**					Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	4190	1250	500	4780	NR	38-132			M4
Surrogate: n-Nonane	*102*		*50.0*		*204*	*50-200*			*S5*
Matrix Spike Dup (2223065-MSD1)				**Source: E206010-02**					Prepared: 06/03/22 Analyzed: 06/06/22
Diesel Range Organics (C10-C28)	5190	1250	500	4780	81.5	38-132	21.3	20	R3
Surrogate: n-Nonane	*102*		*50.0*		*203*	*50-200*			*S5*

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:51:45PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223058-BLK1)									Prepared: 06/03/22 Analyzed: 06/03/22
Chloride	ND	20.0							
LCS (2223058-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	271	20.0	250		109	90-110			
LCS Dup (2223058-BSD1)									Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	242	20.0	250		96.9	90-110	11.4	20	

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

Definitions and Notes

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:51

H3	Due to laboratory error, sample analysis was performed past holding time.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Client: T-Squared Energy
Project: LH operating - HE West B 34
Sampler: Lindsey Neves
Phone: 432-214-2480
Email(s): Lindsey@TSquaredEnergy.com
Project Manager: Lindsey Neves

RUSH? ☐ 1d ☐ 3d

Page ___ of ___

Lab Use Only	
Lab WO#	E2206012
Job Number	22055-0001

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
HZ1-Surf	05/23/22				✓	✓	✓	✓	1	
HZ1-1'									2	
HZ2-Surf									3	
HZ2-1'									4	
HZ3-Surf									5	
HZ3-1'									6	
HZ4-Surf									7	
HZ4-1'									8	
HZ5-Surf									9	
HZ5-1'									10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				5.31.22	
	5.31.22			6/1/22	10:45

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
**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.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 6/1/2022 3:11:46PM

Sample Receipt Checklist (SRC)

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

Client:	T- Squared Energy	Date Received:	06/01/22 10:45	Work Order ID:	E206012
Phone:	(432) 241-2480	Date Logged In:	06/01/22 11:30	Logged In By:	Caitlin Christian
Email:	lindsey@tsquaredenergy.com	Due Date:	06/07/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	No	
Collectors name?	No	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Time sampled and Matrix not provided on COC.

Client Instruction

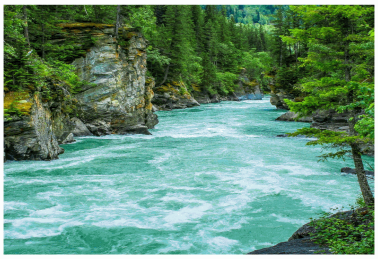
Signature of client authorizing changes to the COC or sample disposition.

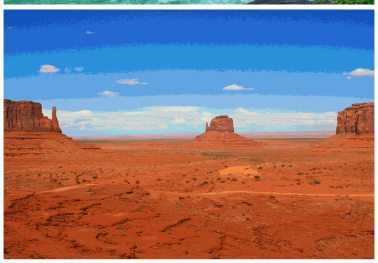
Date

envirotech Inc.

Report to:

Lindsey Nevels





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

T- Squared Energy

Project Name:	LH- Operating - H-E West B34
Work Order:	E206013
Job Number:	22055-0001
Received:	6/1/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 6/7/22

Lindsey Nevels
1057 County Road 309
Orange Grove, TX 78372-9743

Project Name: LH- Operating - H-E West B34
Workorder: E206013
Date Received: 6/1/2022 10:45:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2022 10:45:00AM, under the Project Name: LH- Operating - H-E West B34.

The analytical test results summarized in this report with the Project Name: LH- Operating - H-E West B34 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HZ6 - Surf	E206013-01A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ6 - 1'	E206013-02A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ7 - Surf	E206013-03A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ7 - 1'	E206013-04A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

HZ6 - Surf

E206013-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2223066
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/03/22	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*06/03/22*	*06/03/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2223061
Chloride	ND	20.0	1	06/03/22	06/06/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

HZ6 - 1'

E206013-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2223066
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/03/22	
Surrogate: n-Nonane		*99.7 %*	*50-200*	*06/03/22*	*06/03/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2223061
Chloride	ND	20.0	1	06/03/22	06/06/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

HZ7 - Surf

E206013-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2223066
Diesel Range Organics (C10-C28)	**80.2**	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/03/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*06/03/22*	*06/03/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2223061
Chloride	**40.5**	20.0	1	06/03/22	06/06/22	

Sample Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

HZ7 - 1'

E206013-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*	*06/03/22*	*06/06/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*06/03/22*	*06/06/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2223066
Diesel Range Organics (C10-C28)	**37.7**	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/03/22	
Surrogate: n-Nonane		*95.1 %*	*50-200*	*06/03/22*	*06/03/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2223061
Chloride	**90.6**	20.0	1	06/03/22	06/06/22	

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223059-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.5*	*70-130*			
LCS (2223059-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.79	0.0250	2.50		112	70-130			
Toluene	2.72	0.0250	2.50		109	70-130			
o-Xylene	2.79	0.0250	2.50		111	70-130			
p,m-Xylene	5.50	0.0500	5.00		110	70-130			
Total Xylenes	8.29	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Matrix Spike (2223059-MS1)				**Source: E206013-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	2.96	0.0250	2.50	ND	118	48-131			
Ethylbenzene	3.04	0.0250	2.50	ND	121	45-135			
Toluene	2.94	0.0250	2.50	ND	118	48-130			
o-Xylene	3.02	0.0250	2.50	ND	121	43-135			
p,m-Xylene	5.98	0.0500	5.00	ND	120	43-135			
Total Xylenes	9.00	0.0250	7.50	ND	120	43-135			
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2223059-MSD1)				**Source: E206013-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Benzene	2.82	0.0250	2.50	ND	113	48-131	4.83	23	
Ethylbenzene	2.88	0.0250	2.50	ND	115	45-135	5.10	27	
Toluene	2.80	0.0250	2.50	ND	112	48-130	4.94	24	
o-Xylene	2.91	0.0250	2.50	ND	116	43-135	3.80	27	
p,m-Xylene	5.70	0.0500	5.00	ND	114	43-135	4.78	27	
Total Xylenes	8.60	0.0250	7.50	ND	115	43-135	4.45	27	
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223059-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.5*	*70-130*			
LCS (2223059-BS2)									Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Matrix Spike (2223059-MS2)				**Source: E206013-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2223059-MSD2)				**Source: E206013-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	4.16	20	
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223066-BLK1)									Prepared: 06/03/22 Analyzed: 06/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			
LCS (2223066-BS1)									Prepared: 06/03/22 Analyzed: 06/03/22
Diesel Range Organics (C10-C28)	485	25.0	500		96.9	38-132			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.7*	*50-200*			
Matrix Spike (2223066-MS1)				**Source: E206013-02**					Prepared: 06/03/22 Analyzed: 06/03/22
Diesel Range Organics (C10-C28)	406	25.0	500	ND	81.2	38-132			
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2223066-MSD1)				**Source: E206013-02**					Prepared: 06/03/22 Analyzed: 06/03/22
Diesel Range Organics (C10-C28)	500	25.0	500	ND	99.9	38-132	20.7	20	R3
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			

QC Summary Data

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	**Reported:**
1057 County Road 309	Project Number:	22055-0001	
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	6/7/2022 3:53:35PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2223061-BLK1)									Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	ND	20.0							
LCS (2223061-BS1)									Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2223061-MS1)				**Source: E206013-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2223061-MSD1)				**Source: E206013-01**					Prepared: 06/03/22 Analyzed: 06/06/22
Chloride	253	20.0	250	ND	101	80-120	0.644	20	

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

Definitions and Notes

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	**Reported:**
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:53

H3	Due to laboratory error, sample analysis was performed past holding time.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Client: T-Squared Energy
Project: CH. Operating HE West B34
Sampler: Lindsey Nivels
Phone: 432 741 2480
Email(s): lindsey@tsquaredenergy.com
Project Manager: Lindsey Nivels

RUSH? ☐ 1d ☐ 3d

Page ___ of ___

Lab Use Only — Lab WO#: E206013
Job Number: 22055-0001

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0						Lab Number	Correct Cont/Prsrv (s) Y/N
H26-surf	5/23/22				C	C	C	C						1	
H26-1'	05/23/22				C	C	C	C						2	
H27-surf	05/23/22				C	C	C	C						3	
H27-1'	05/23/22				C	C	C	C						4	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]			[signature]	5.31.22	
[signature]	5.31.22		[signature]	6/1/22	10:45

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

**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.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

envirotech Analytical Laboratory

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 6/1/2022 3:14:14PM

Sample Receipt Checklist (SRC)

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

Client:	T- Squared Energy	Date Received:	06/01/22 10:45	Work Order ID:	E206013
Phone:	(432) 241-2480	Date Logged In:	06/01/22 11:31	Logged In By:	Caitlin Christian
Email:	lindsey@tsquaredenergy.com	Due Date:	06/07/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	No	
Collectors name?	No	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Time sampled and Matrix not provided on COC.

Client Instruction

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

Date

envirotech Inc.

Attachment V

NMOCD Form C-141 Remediation Pages

Oil and Water Spill Volume Spreadsheet Calculator Updated 9/4/2013

INPUT FIELDS
OUTPUT
RESULT

Location:	H E West B 34
GPS Coordinates:	
Spill Date:	
Spill Time:	

Length of Spill=		feet
Width of Spill=		feet
Saturation (or depth) of Spill=		inches
OR		
Area=	2,228.00	ft^2
Saturation (or depth) of Spill=	20.00	inches
OR		
Soil Volume=		yd^3

Use only one method

Oil Cut=	1.00	% Oil
Porosity Factor=	0.03	
Soil Volume=	**137.53**	yd^3
Total Oil in Soil=	**0.20**	barrels
Total Produced Water in Soil=	**19.64**	barrels

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mi	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

State of New Mexico
Oil Conservation Division

Incident ID	naPP2213229527
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?	>100'(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.

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District RP	
Facility ID	
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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: _____

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

Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

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

CONDITIONS

Action 163061

CONDITIONS

Operator:	OGRID:
LH Operating, LLC 4809 Cole Ave Dallas, TX 75205	329319
	Action Number: 163061
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been approved.	3/3/2023