

30-045-06408

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505 Form C-141 Revised March 17, 1999 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

Name of Company Roddy Production Company
Address P.O. Box 1222, Farmington, NM 87499
Facility Name Yockey #2

Initial Report Final Report XXX
Contact R.E. Fielder
Telephone No. (505) 325-5220
Facility Type Gas Well

Surface Owner NAPI

Mineral Owner USA
Lease No. NM-020496

LOCATION OF RELEASE

Unit Letter F Section 20 Township 27N Range 11W Feet from the 1450 North Line 1450 Feet from the West Line
County San Juan, New Mexico

NATURE OF RELEASE

Type of Release: Natural Gas, production water, condensate Volume of Release: Est. 154 MCF
Volume Recovered: None
Source of Release: Location Drip Date and Hour of Occurrence: 09/12/00 Approx. 5:00 PM
Date and Hour of Discovery: 09/13/00 11:00 AM
Was Immediate Notice Given? Yes XX Not Required If YES,
To Whom? NMOCD, BLM, NAPI Date and Hour: 09/13/00, 11:30 AM
By Whom? R.E. Fielder No XX If YES, Volume Impacting
Was a Watercourse Reached? the Watercourse.

If a Watercourse was Impacted, Describe Fully.\*
Describe Cause of Problem and Remedial Action Taken.\* Water truck ran over a blowdown line for location drip
Describe Area Affected and Cleanup Action Taken.\* Well location. Condensate evaporated. Valve on blowdown line replaced. Marker erected

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

Signature: Robert E. Fielder
DIVISION Approved by District Supervisor:
Printed Name: Robert E. Fielder
Title: Agent

Date: 9/22/00 Phone: 505-325-5220
\* Attach Additional Sheets If Necessary

OIL CONSERVATION
Approval Date: 9/25/00
Expiration Date:
Conditions of Approval: Attached



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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: <b>Roddy Production</b>	OGRID: <b>36845</b>
Contact Name: <b>Jeremy Divine</b>	Contact Telephone: <b>(432) 557-6778</b>
Contact email: <b>jdivine@crowquest.com</b>	Incident # (assigned by OCD) <b>nDGF0025742761</b>
Contact mailing address: <b>4001 N. BUTLER, BLDG 7101</b>	<b>Farmington, New Mexico, 87401</b>

### Location of Release Source

Latitude 36.5639343 Longitude -108.031242  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name: <b>Yockey #2</b>	Site Type: <b>Well Site</b>
Date Release Discovered: <b>9/13/2000</b>	API# (if applicable) <b>30-045-06408</b>

Unit Letter	Section	Township	Range	County
<b>F</b>	<b>20</b>	<b>27N</b>	<b>11W</b>	<b>San Juan</b>

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)

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

Cause of Release

**Key truck ran over line drip riser on the Yockey #2. A small amount of condensate was released onto the surface but evaporated. The broken valve was replaced, and a steel barricade was erected to prevent the incident from occurring again in the future. Verification samples were collected on 3/15/2023.**

State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
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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*

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

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

<b>Characterization Report Checklist:</b> <i>Each of the following items must be included in the report.</i>
<input checked="" type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
<input checked="" type="checkbox"/> Field data
<input checked="" type="checkbox"/> Data table of soil contaminant concentration data
<input checked="" type="checkbox"/> Depth to water determination
<input checked="" type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
<input checked="" type="checkbox"/> Boring or excavation logs
<input checked="" type="checkbox"/> Photographs including date and GIS information
<input checked="" type="checkbox"/> Topographic/Aerial maps
<input checked="" type="checkbox"/> 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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Oil Conservation Division

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Printed Name: James McDaniel Title: Project Manager

Signature:  Date: 3/24/2023

email: james@jakdsolutions.com Telephone: 505-860-1666

**OCD Only**

Received by: Jocelyn Harimon Date: 03/27/2023

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

**OCD Only**

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

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NDGF0025742761
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: James McDaniel Title: Project Manager

Signature:  Date: 3/24/2023

email: james@jaksolutions.com Telephone: 505-860-1666

**OCD Only**

Received by: Jocelyn Harimon Date: 03/27/2023

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: Nelson Velez Date: 03/28/2023

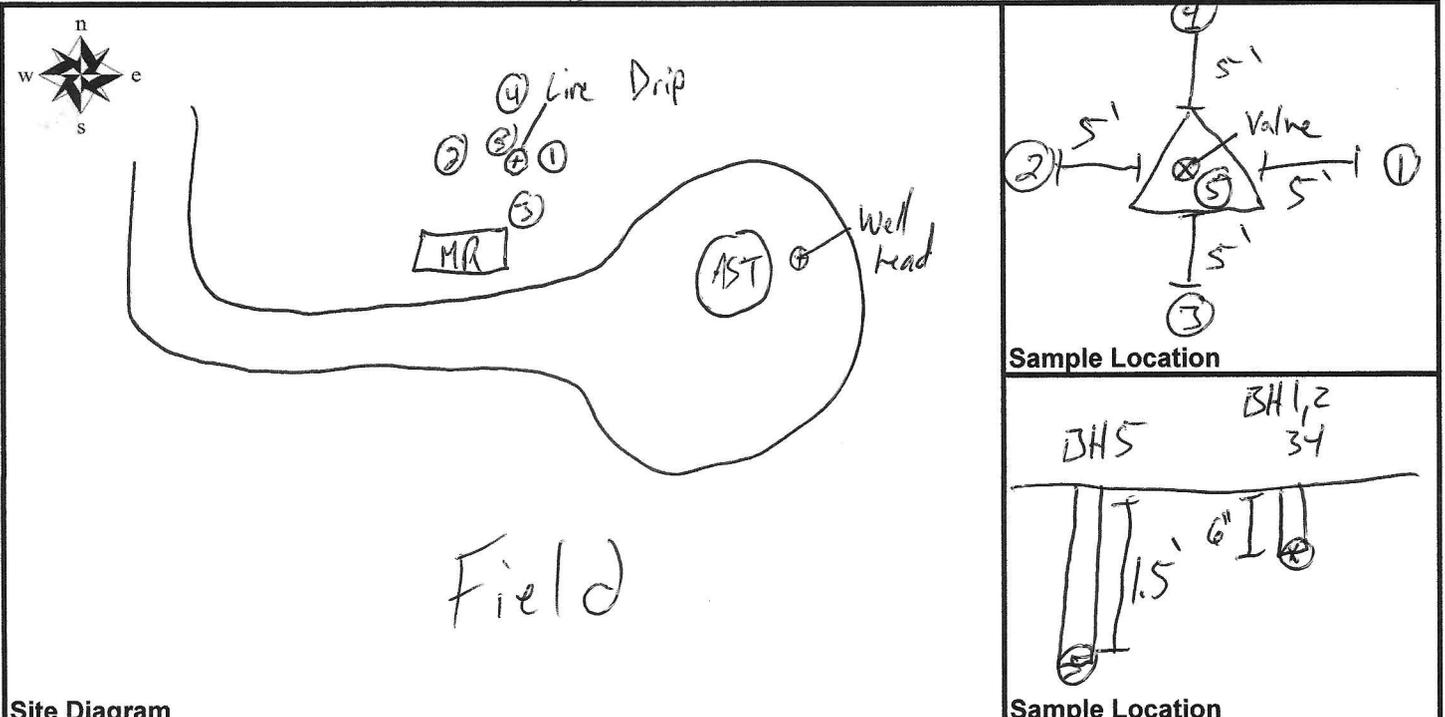
Printed Name: Nelson Velez Title: Environmental Specialist – Adv



# JAKD SOLUTIONS

## ON-SITE FORM

Well Name Yockey #2 API # 30-045-06350  
 Section 2C Township 27N Range 11W County SS State NM  
 Contractors On-Site Norm Time On-Site 6:45 AM Time Off-Site 8:30 AM  
 Spill Amount UNK bbls Spilled ( Oil/ Produced Water/ Other \_\_\_\_\_) Recovered \_\_\_\_\_  
 Land Use ( Range) Residential / ( Tribe Navajo) Spill Area \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ deep



**Comments**

**Samples**

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA	—	NA
7:00 AM	1	BH #1 @ 6"	Brown sandy loam, no odor	—	8015, 8021, CI
7:20 AM	2	BH #2 @ 6"	↓	—	↓
7:40 AM	3	BH #3 @ 6"		—	
7:50 AM	4	BH #4 @ 6"		—	
7:10 AM	5	BH #5 @ 1.5'		—	

Name (Print) James McDaniel Date 3/15/2023  
 Name (Signature) [Signature] Company JAKD



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	POD Sub-basin	County	Q 6	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<a href="#">SJ 00077</a>	SJ	SJ	SJ	3	1	2	26	27N	11W	233964	4049155*	1102	550	552
<a href="#">SJ 01787</a>	SJ	SJ	SJ	2	2	07		27N	11W	228180	4054262*	650		

Average Depth to Water: **550 feet**  
 Minimum Depth: **550 feet**  
 Maximum Depth: **550 feet**

**Record Count:** 2

**PLSS Search:**

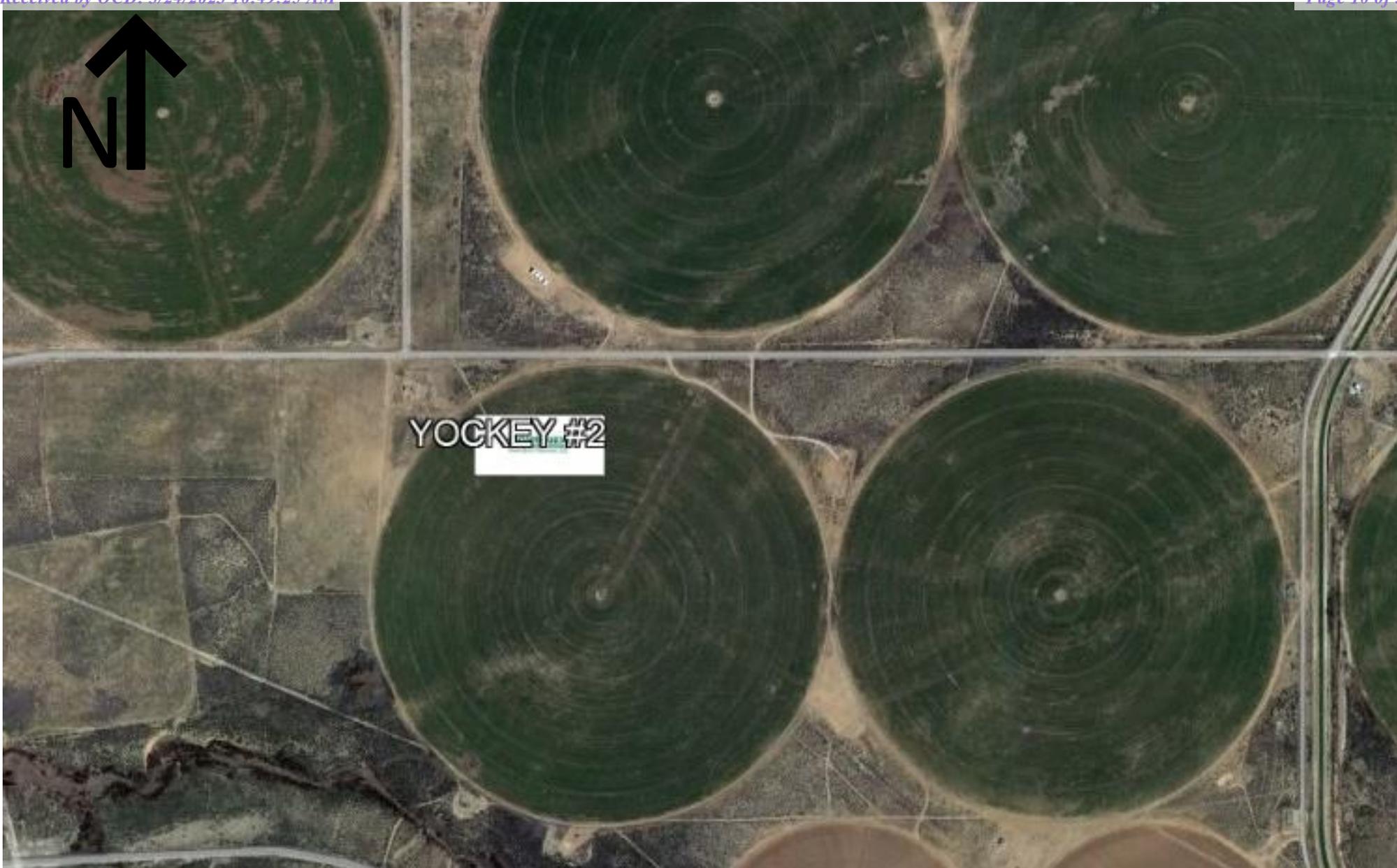
**Township:** 27N **Range:** 11W

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/24/23 10:19 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Drawn By: James McDaniel  
Date: 3/24/2023



### AERIAL MAP

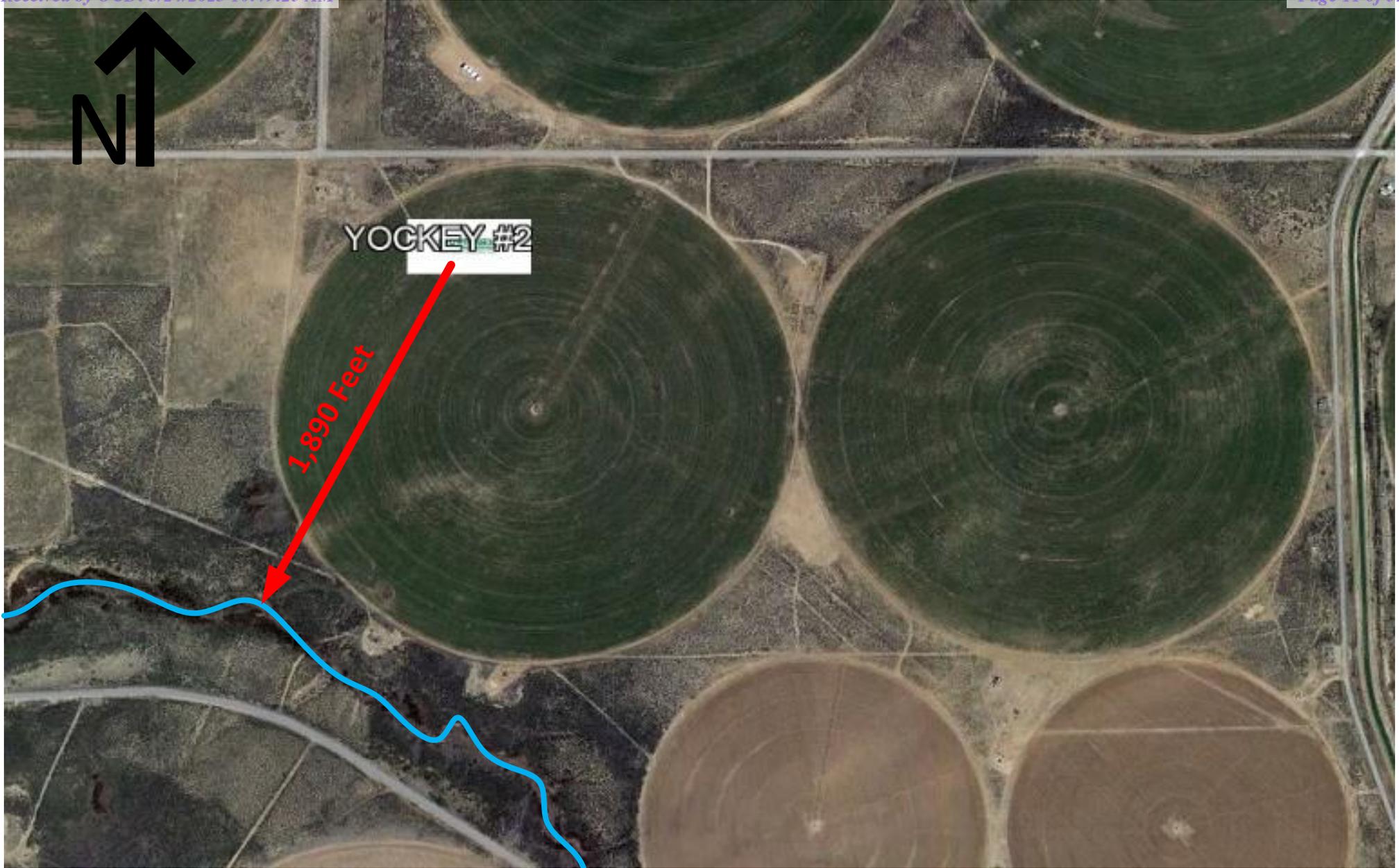
Company: **Roddy Production**  
Well Name: **Yockey #2**  
API: **30-045-06408**  
Sec **20**, Twn **27N**, Rge **11W**  
San Juan County, New Mexico  
Lease: **NM-020496**  
Lat: **36.563934** Long: **-108.031242**

### LEGEND



YOCKEY #2

1,890 Feet



Drawn By: James McDaniel  
Date: 3/24/2023



**WATERCOURSE MAP**

Company: Roddy Production  
Well Name: Yockey #2  
API: 30-045-06408  
Sec 20, Twn 27N, Rge 11W  
San Juan County, New Mexico  
Lease: NM-020496  
Lat: 36.563934 Long: -108.031242

**LEGEND**

 Ephemeral Wash



Drawn By: James McDaniel  
Date: 3/20/2023



**SAMPLING MAP**

Company: **Roddy Production**  
Well Name: **Yockey #2**  
API: **30-045-06408**  
Sec **20**, Twn **27N**, Rge **11W**  
San Juan County, New Mexico  
Lease: **NM-020496**  
Lat: **36.563934** Long: **-108.031242**

**LEGEND**

① Borehole Locations



Roddy Production  
Yockey #2  
30-045-06350



Photo 1: Yockey 2 Well Sign



Roddy Production  
Yockey #2  
30-045-06350



Photo 2: Line Drip Surface Valve



Roddy Production  
Yockey #2  
30-045-06350

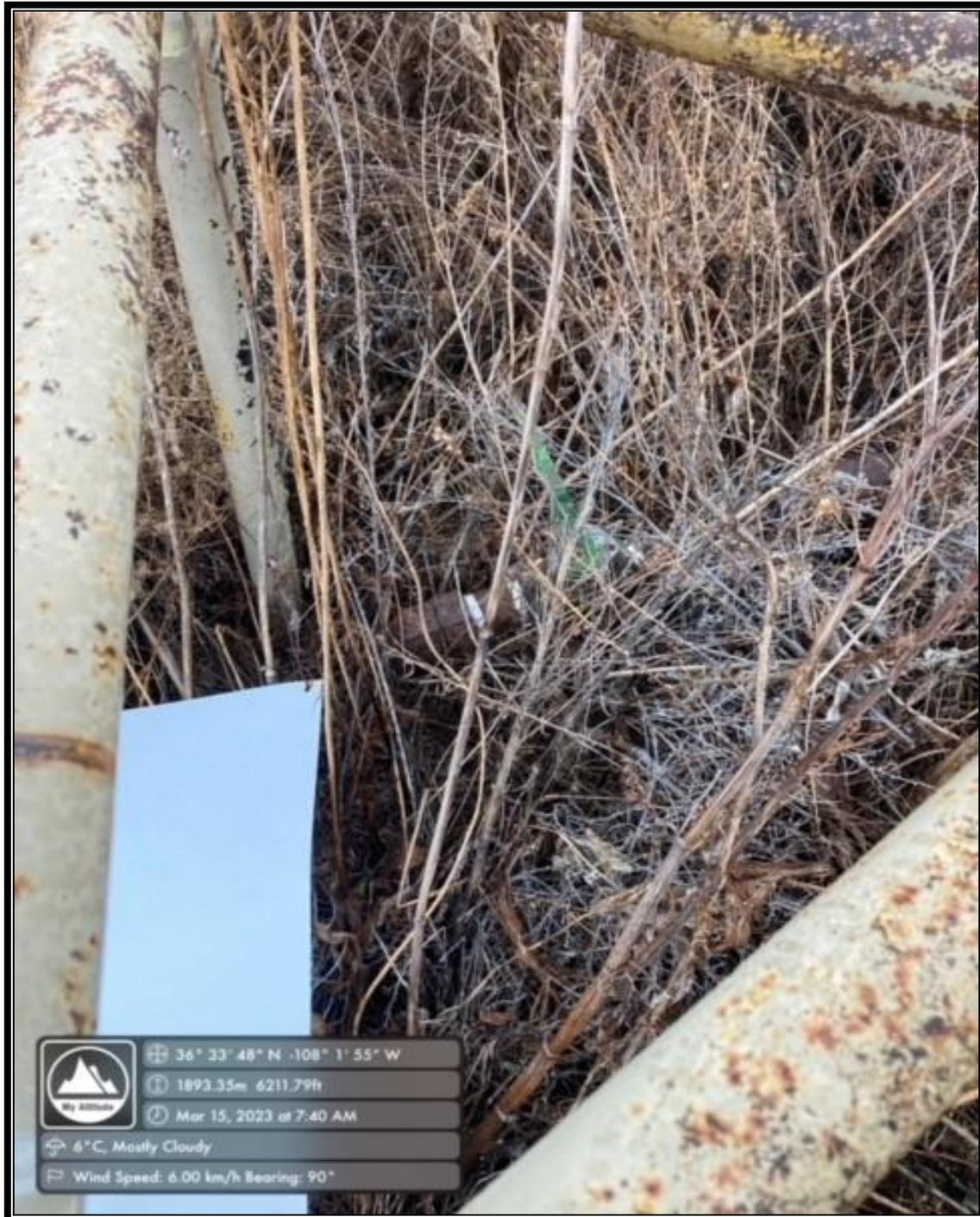


Photo 3: Line Drip Surface Valve Closeup



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

March 20, 2023

James McDaniel  
JAKD Solutions  
3811 Crestridge Dr  
Farmington, NM 87401  
TEL: (505) 860-1666  
FAX:

RE: Yockey 2

OrderNo.: 2303833

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/16/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

Analytical Report

Lab Order 2303833

Date Reported: 3/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions

Client Sample ID: BH #1 @ 6"

Project: Yockey 2

Collection Date: 3/15/2023 7:20:00 AM

Lab ID: 2303833-001

Matrix: MEOH (SOIL) Received Date: 3/16/2023 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/16/2023 11:31:45 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/16/2023 11:31:45 AM
Surr: DNOP	99.2	69-147		%Rec	1	3/16/2023 11:31:45 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	3/16/2023 11:04:00 AM
Surr: BFB	95.7	37.7-212		%Rec	1	3/16/2023 11:04:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.016		mg/Kg	1	3/16/2023 11:04:00 AM
Toluene	ND	0.032		mg/Kg	1	3/16/2023 11:04:00 AM
Ethylbenzene	ND	0.032		mg/Kg	1	3/16/2023 11:04:00 AM
Xylenes, Total	ND	0.065		mg/Kg	1	3/16/2023 11:04:00 AM
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	3/16/2023 11:04:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
Chloride	ND	60		mg/Kg	20	3/16/2023 11:25:32 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order **2303833**

Date Reported: **3/20/2023**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** JAKD Solutions

**Client Sample ID:** BH #2 @ 6"

**Project:** Yockey 2

**Collection Date:** 3/15/2023 7:30:00 AM

**Lab ID:** 2303833-002

**Matrix:** MEOH (SOIL) **Received Date:** 3/16/2023 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/16/2023 11:42:15 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/16/2023 11:42:15 AM
Surr: DNOP	99.3	69-147		%Rec	1	3/16/2023 11:42:15 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	3/16/2023 11:25:00 AM
Surr: BFB	94.5	37.7-212		%Rec	1	3/16/2023 11:25:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.015		mg/Kg	1	3/16/2023 11:25:00 AM
Toluene	ND	0.031		mg/Kg	1	3/16/2023 11:25:00 AM
Ethylbenzene	ND	0.031		mg/Kg	1	3/16/2023 11:25:00 AM
Xylenes, Total	ND	0.062		mg/Kg	1	3/16/2023 11:25:00 AM
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	3/16/2023 11:25:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
Chloride	ND	60		mg/Kg	20	3/16/2023 11:37:54 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

**Analytical Report**

Lab Order **2303833**

Date Reported: 3/20/2023

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** JAKD Solutions

**Client Sample ID:** BH #3 @ 6"

**Project:** Yockey 2

**Collection Date:** 3/15/2023 7:40:00 AM

**Lab ID:** 2303833-003

**Matrix:** MEOH (SOIL) **Received Date:** 3/16/2023 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/16/2023 11:52:47 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/16/2023 11:52:47 AM
Surr: DNOP	102	69-147		%Rec	1	3/16/2023 11:52:47 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	3/16/2023 11:47:00 AM
Surr: BFB	93.3	37.7-212		%Rec	1	3/16/2023 11:47:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.014		mg/Kg	1	3/16/2023 11:47:00 AM
Toluene	ND	0.028		mg/Kg	1	3/16/2023 11:47:00 AM
Ethylbenzene	ND	0.028		mg/Kg	1	3/16/2023 11:47:00 AM
Xylenes, Total	ND	0.057		mg/Kg	1	3/16/2023 11:47:00 AM
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	3/16/2023 11:47:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
Chloride	ND	60		mg/Kg	20	3/16/2023 11:50:14 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

## Analytical Report

Lab Order 2303833

Date Reported: 3/20/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions

Client Sample ID: BH #4 @ 6"

Project: Yockey 2

Collection Date: 3/15/2023 7:50:00 AM

Lab ID: 2303833-004

Matrix: MEOH (SOIL) Received Date: 3/16/2023 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/16/2023 12:03:17 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/16/2023 12:03:17 PM
Surr: DNOP	98.8	69-147		%Rec	1	3/16/2023 12:03:17 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	3/16/2023 12:09:00 PM
Surr: BFB	94.4	37.7-212		%Rec	1	3/16/2023 12:09:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.014		mg/Kg	1	3/16/2023 12:09:00 PM
Toluene	ND	0.028		mg/Kg	1	3/16/2023 12:09:00 PM
Ethylbenzene	ND	0.028		mg/Kg	1	3/16/2023 12:09:00 PM
Xylenes, Total	ND	0.057		mg/Kg	1	3/16/2023 12:09:00 PM
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	3/16/2023 12:09:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
Chloride	ND	60		mg/Kg	20	3/16/2023 12:02:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

## Analytical Report

Lab Order 2303833

Date Reported: 3/20/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions

Client Sample ID: BH #5 @ 1.5'

Project: Yockey 2

Collection Date: 3/15/2023 7:10:00 AM

Lab ID: 2303833-005

Matrix: MEOH (SOIL) Received Date: 3/16/2023 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/16/2023 12:13:48 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/16/2023 12:13:48 PM
Surr: DNOP	99.3	69-147		%Rec	1	3/16/2023 12:13:48 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	3/16/2023 12:31:00 PM
Surr: BFB	86.9	37.7-212		%Rec	1	3/16/2023 12:31:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>CCM</b>
Benzene	ND	0.016		mg/Kg	1	3/16/2023 12:31:00 PM
Toluene	ND	0.032		mg/Kg	1	3/16/2023 12:31:00 PM
Ethylbenzene	ND	0.032		mg/Kg	1	3/16/2023 12:31:00 PM
Xylenes, Total	ND	0.064		mg/Kg	1	3/16/2023 12:31:00 PM
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	3/16/2023 12:31:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
Chloride	ND	60		mg/Kg	20	3/16/2023 12:14:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303833

20-Mar-23

**Client:** JAKD Solutions

**Project:** Yockey 2

Sample ID: <b>MB-73752</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>73752</b>	RunNo: <b>95346</b>								
Prep Date: <b>3/16/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3448760</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-73752</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>73752</b>	RunNo: <b>95346</b>								
Prep Date: <b>3/16/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3448761</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2303833

20-Mar-23

**Client:** JAKD Solutions

**Project:** Yockey 2

Sample ID: <b>2303833-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH #1 @ 6"</b>	Batch ID: <b>73749</b>	RunNo: <b>95320</b>								
Prep Date: <b>3/16/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3447723</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.5	47.71	0	91.5	54.2	135			
Surr: DNOP	4.8		4.771		101	69	147			

Sample ID: <b>2303833-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH #1 @ 6"</b>	Batch ID: <b>73749</b>	RunNo: <b>95320</b>								
Prep Date: <b>3/16/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3447724</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.65	0	90.8	54.2	135	3.20	29.2	
Surr: DNOP	5.0		4.965		99.9	69	147	0	0	

Sample ID: <b>LCS-73749</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>73749</b>	RunNo: <b>95320</b>								
Prep Date: <b>3/16/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3447733</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.2	61.9	130			
Surr: DNOP	4.8		5.000		95.9	69	147			

Sample ID: <b>MB-73749</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>73749</b>	RunNo: <b>95320</b>								
Prep Date: <b>3/16/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3447734</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.6	69	147			

Sample ID: <b>LCS-73727</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>73727</b>	RunNo: <b>95320</b>								
Prep Date: <b>3/15/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3448731</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		96.1	69	147			

Sample ID: <b>MB-73727</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>73727</b>	RunNo: <b>95320</b>								
Prep Date: <b>3/15/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3448733</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303833

20-Mar-23

**Client:** JAKD Solutions

**Project:** Yockey 2

Sample ID: <b>MB-73727</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>73727</b>	RunNo: <b>95320</b>								
Prep Date: <b>3/15/2023</b>	Analysis Date: <b>3/16/2023</b>	SeqNo: <b>3448733</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	69	147			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303833

20-Mar-23

**Client:** JAKD Solutions

**Project:** Yockey 2

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>GS95308</b>		RunNo: <b>95308</b>							
Prep Date:	Analysis Date: <b>3/16/2023</b>		SeqNo: <b>3447294</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.5	70	130			
Surr: BFB	2200		1000		217	37.7	212			S

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>GS95308</b>		RunNo: <b>95308</b>							
Prep Date:	Analysis Date: <b>3/16/2023</b>		SeqNo: <b>3447295</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	37.7	212			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2303833

20-Mar-23

**Client:** JAKD Solutions

**Project:** Yockey 2

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>BS95308</b>		RunNo: <b>95308</b>							
Prep Date:	Analysis Date: <b>3/16/2023</b>		SeqNo: <b>3447298</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.1	80	120			
Toluene	0.87	0.050	1.000	0	87.1	80	120			
Ethylbenzene	0.89	0.050	1.000	0	88.7	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>BS95308</b>		RunNo: <b>95308</b>							
Prep Date:	Analysis Date: <b>3/16/2023</b>		SeqNo: <b>3447299</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: JAKD Solutions Work Order Number: 2303833 RcptNo: 1

Received By: Sean Livingston 3/16/2023 8:00:00 AM

Completed By: Sean Livingston 3/16/2023 8:13:33 AM

Reviewed By: [Signature] 3/16/23 8:40

[Signatures]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature] 3-16-23

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.

### Chain-of-Custody Record

Client: SAKD Solutions  
 Mailing Address: 3811 Crestridge Dr.  
Farmington, NM 87401  
 Phone #: 505-860-1666  
 email or Fax#: james@skdsolutions.com  
 QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  NELAC  Other  EDD (Type)

Turn-Around Time: Same Day  
 Standard  Rush Next Day  
 Project Name: Yockey #2  
 Project #: ---

Project Manager: S McDaniel  
 Sampler: [Signature]  
 On Ice:  Yes  No  
 # of Coolers: 2 Marty  
 Cooler Temp (including CF): 1.1-0.1=1.3 (°C)

Container Type and #	Preservative Type	HEAL No.
<u>1-4oz</u>	<u>Cool</u>	<u>2303933</u>
<u>1-4oz</u>	<u>Cool</u>	<u>001</u>
<u>1-4oz</u>	<u>Cool</u>	<u>002</u>
<u>1-4oz</u>	<u>Cool</u>	<u>003</u>
<u>1-4oz</u>	<u>Cool</u>	<u>004</u>
<u>1-4oz</u>	<u>Cool</u>	<u>005</u>

Date	Time	Matrix	Sample Name
<u>3/15/23</u>	<u>720</u>	<u>Soil</u>	<u>BH #1 @ 6"</u>
<u>3/15/23</u>	<u>730</u>	<u>Soil</u>	<u>BH #2 @ 6"</u>
<u>3/15/23</u>	<u>740</u>	<u>Soil</u>	<u>BH #3 @ 6"</u>
<u>3/15/23</u>	<u>750</u>	<u>Soil</u>	<u>BH #4 @ 6"</u>
<u>3/15/23</u>	<u>710</u>	<u>Soil</u>	<u>BH #5 @ 1.5'</u>

Date: 3/15/23 Time: 1225 Relinquished by: [Signature]  
 Date: 3/16/23 Time: 1756 Relinquished by: Christ Wood

Received by: [Signature] Via: Car Date: 3/15/23 Time: 1225  
 Received by: [Signature] Via: Car Date: 3/16/23 Time: 1700

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	<del>CF, B, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub></del>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Remarks:

## Yockey #2 Analytical Data

Sample Name	Date	Time	Diesel Range Organics (DRO) (ppm)	Gasoline Range Organics (GRO) (ppm)	Oil Range Organics (MRO) (ppm)	Total TPH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	Total BTEX (ppm)	Chlorides (ppm)
BH#1 @ 6"	3/15/2023	7:20 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH#2 @ 6"	3/15/2023	7:30 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH#3 @ 6"	3/15/2023	7:40 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH#4 @ 6"	3/15/2023	7:50 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH#5 @ 1.5'	3/15/2023	7:10 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Roddy Production Co, Inc.**  
**San Juan Basin**  
**Release Activity Description**

**Well Name:** Yockey #2

**API No.:** 30-045-06350

**Description:** Unit F, Section 20, Township 27N, Range 11W, San Juan County

**On-Site Activity**

**9/13/2000**

A damaged above ground line drip riser was discovered at this location on 9/13/2000. A water truck had struck the riser causing the damage. A small amount of condensate was discovered on the surface but evaporated. The riser was repaired, and a barricade was installed to prevent future incidents.

**3/15/2023**

Delineation samples were collected from the area around the line drip riser to determine if impacts from the spill were present. One (1) sample was collected (Sample 5) from the directly next to the riser inside the barrier at 1.5' below ground surface (BGS), and four (4) samples were collected from around the riser at 6" below BGS. Each of the samples were collected from approximately five (5) feet from the line drip riser.

Each sample was collected using a hand auger advanced to the sample depth with the sample being collected from the hand auger barrel. Each sample was collected into a 4-ounce glass jar and sent to Hall Analytical Laboratory for laboratory analysis. Each sample was analyzed for Total Petroleum Hydrocarbons (TPH) via USEPA Method 8015M, for BTEX via USEPA Method 8021B, and for Chlorides via USEPA Method 300.0.

Borehole #1 was collected from five (5) feet east of the line drip riser. The hand auger was advanced to a depth of 6" BGS. The borehole consisted of approximately 2" of organic loamy sand, with a coarse sand from 2" to the bottom of the borehole. A sample from 6" BGS was collected and placed into a 4-ounce glass jar and sent to Hall Analytical Laboratory for lab analysis. The sample returned results of non-detect for all constituents analyzed.

Borehole #2 was collected from five (5) feet west of the line drip riser. The hand auger was advanced to a depth of 6" BGS. The borehole consisted of approximately 2" of organic loamy sand, with a coarse sand from 2" to the bottom of the borehole. A sample from 6" BGS was collected and placed into a 4-ounce glass jar and sent to Hall Analytical Laboratory for lab analysis. The sample returned results of non-detect for all constituents analyzed.

Borehole #3 was collected from five (5) feet south of the line drip riser. The hand auger was advanced to a depth of 6" BGS. The borehole consisted of approximately 2" of organic loamy sand, with a coarse sand from 2" to the bottom of the borehole. A sample from 6" BGS was collected and placed into a 4-ounce glass jar and sent to Hall Analytical Laboratory for lab analysis. The sample returned results of non-detect for all constituents analyzed.

Borehole #4 was collected from five (5) feet north of the line drip riser. The hand auger was advanced to a depth of 6" BGS. The borehole consisted of approximately 2" of organic loamy sand, with a coarse sand from 2" to the bottom of the borehole. A sample from 6" BGS was collected and placed into a 4-ounce glass jar and sent to Hall Analytical Laboratory for lab analysis. The sample returned results of non-detect for all constituents analyzed.

Borehole #5 was collected directly next to the line drip riser inside the line drip barricade. The hand auger was advanced to a depth of 1.5' BGS. The borehole consisted of approximately 2" of organic loamy sand, with a coarse sand from 2" to the bottom of the borehole. A sample from 1.5' BGS was collected and placed into a 4-ounce glass jar and sent to Hall Analytical Laboratory for lab analysis. The sample returned results of non-detect for all constituents analyzed.

**Closure Request**

Due to the results of non-detect for all constituents analyzed regarding the release from 9/13/2000 at this location, Roddy Production is requesting closure of this incident.

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

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

CONDITIONS

Action 200561

**CONDITIONS**

Operator: RODDY PRODUCTION CO INC 4001 N. BUTLER, BLDG 7101 Farmington, NM 87401	OGRID: 36845
	Action Number: 200561
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Closure Report Approved, Release Resolved.	3/28/2023