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: Roddy Production	OGRID: 36845
Contact Name: Jeremy Divine	Contact Telephone: (432) 557-6778
Contact email: jdivine@crownquest.com	Incident # (assigned by OCD) NAPP2211260998
Contact mailing address: 4001 N. BUTLER, BLDG 7101	Farmington, New Mexico, 87401

Location of Release Source

Latitude _	36.88900	Longitude	-108.131296 nal places)
Site Name	: Owen 2A	Site Type:	Well Site
Date Relea	se Discovered: 4/18/2022	API# (if app	plicable)

Unit Letter	Section	Township	Range	County
Α	19	31N	12W	San Juan

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)

Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (bbls) 19	Volume Recovered (bbls) 0
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Tyes No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Volume Released (bbls) 19 Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Volume Released (bbls) Volume Released (Mcf)

Cause of Release

The below grade tank on-site was discovered to be 19 bbls short on production water. A leak was suspected from the bottom of the below grade tank. The below grade tank was immediately emptied, and closure activities were completed. Delineation activities were completed on March 15, 2023.

Page 2

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

Initial Response

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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 3/22/2023 5:30:07 PM Form C-141 State of New Mexico

Oil Conservation Division

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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?	<u>50-100</u> (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? – Ephemeral Wash approximately 270' south	🛛 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

Page 3

- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \boxtimes Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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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.

Received by OCD: 3/22/2023	5:30:07 PM State of New Mexico					Page 4 of 33
				Incident ID		
Page 4				District RP		
				Facility ID		
				Application ID		
regulations all operators are red public health or the environmen failed to adequately investigate	aation given above is true and complete to the b quired to report and/or file certain release notifi nt. The acceptance of a C-141 report by the OG e and remediate contamination that pose a threa . C-141 report does not relieve the operator of r	ications a CD does i at to grour	nd perform co not relieve the idwater, surfa	prective actions for release operator of liability sh ce water, human health	eases which may e ould their operation or the environme	endanger ons have nt. In
Printed Name: <u>James Mo</u>	<u>cDaniel</u>	Title:	Project M	lanager		
Signature:		Date: _	<u>3/22/2023</u>			
email: james@jakdsolut	tions.com	Teleph	one: <u>505</u>	-860-1666		
OCD Only						
Received by:		Ι	Date:			

Received by OCD: 3/22/2023 5:30:07 PM Form C-141 State of New Mexico

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Oil Conservation Division

Incident ID	
District RP	
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Remediation Plan

<u>Remediation Plan Checklist</u>: 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 p deconstruction.	roduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human healt	h, 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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Oil Conservation Division

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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.

<u>Closure Report Attachment Checklist</u>: 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 OD	OC District office must be notified 2 days prior to final sampling)							
Description of remediation activities								
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in							
Printed Name:James McDaniel	Title: Project Manager							
Signature:	Date:3/22/2023							
email:james@jakdsolutions.com	Telephone:505-860-1666							
OCD Only								
Received by:	Date:							
Received by	_ Date:							
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.							
Closure Approved by: <u>Nelson Velez</u> Printed Name: <u>Nelson Velez</u>	Date: 03/28/2023							
Printed Name: Nelson Velez	Environmental Specialist – Adv							

circl by OCD-3/32/30	JAKD SC	DLUTIONS		Page 7 of
Spill Amount	en #2A Township_26N_ Range_(bbls_Spilled (Oil/Produced V	Vater/Other	55 Time Off-S) Recov	State ite vered
Land Use (Range)/ F	T ECOM) Spill Area x	Sample Loca	101 101 101 101 101 101 101 101
Comments Samples Time Sample # NA 035 1 045 Z 1 045 Z 1 045 Z 1 055 J 1 055 J 1 055 J 1	Sample Description 100 Standard BH#1@2.5` (sandstore) RH#2@1.5` (sandstore) BH#3@4` (sandstore) BH#4@1.5` (sandstore)	Characteristics NA Ccarse sandsfore	OVM (ppm)	Analysis Requested NA 8015,8021,C1
Name (Print) <u>50</u> Name (Signature)	aves McDanic I	CompanySAU	Date_ <u>3/(</u>	5/23

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Rea

vived by OCD: 3/22/2023 5	30:07 PM		Page 8 of 3
	JAKD SO	LUTIONS	
JAKD SOLUTIONS	ON-SIT	EFORM	
Well Name Owen	<u>2</u> A	API #	30-045-70235
Section 18 To	which $A \mathcal{G} \mathcal{N}$ Range \mathcal{L}	W County Scn	Juan State NM
Contractors On-Site Knd	rekoutT	ime On-Site 730 Ar	1_Time Off-Site32
	bbls Spilled (Oil/Produced W		
	lential / Tribe	-	
	T T T T T T T T T T T T T T T T T T T		14 14 19 19 10 10 10 10 10 10 10 10 10 10
Site Dlagram *Emmanuel w/ 13/1	1	1)	
on-site to witness	SF-07824	s sandste	on 05
Comments	Excavated 256"-1	`off Bottom.	on G3' Sandstone Encountry
Samples			
Time Sample #	Sample Description	Characteristics	OVM (ppm) Analysis Requested

Sample #	Sample Description	tion Characteristics		Analysis Requested
NA	100 Standard	NA		NA
ł	Bottom Composite (23)	Sandy, som store, no oder	-	8015, 6021, CI
	·····			
I Jano	es Me Dooiel		Date 4/20	1/2022
		NA 100 Standard	NA 100 Standard NA 1 Boltom Composite (G. 3: Soncly, Sour store, No oder	NA 100 Standard NA - i Bortom Composite (G 3' Sancly, sour store, ne oder -

Name (Signature)

Company JAKD Solutions

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Received by OCD: 3/22/2023 5:30:07 PM



Drawn By: James McDaniel Date: 4/20/2022



Company: Roddy Production Well Name: Owen 2A API: **30-045-30235** Sec 19, Twn 31N, Rge 12W San Juan County, New Mexico Lease: SF-078243 Lat: 36.889009 Long: -108.131296 Released to Timaging: 3/28/2023 7:32:56 AM LEGEND



May 11, 2022

James McDaniel JAKD Solutions 3811 Crestridge Dr Farmington, NM 87401 TEL: (505) 860-1666 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Owens 2A

OrderNo.: 2204D51

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/30/2022 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 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Lab ID:

Analyses

Chloride

Benzene

Toluene

Surr: BFB

Analytical Report Lab Order 2204D51

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/11/2022 **CLIENT: JAKD Solutions** Client Sample ID: Bottom Composite @3' Owens 2A Collection Date: 4/29/2022 9:15:00 AM 2204D51-001 Matrix: SOIL Received Date: 4/30/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: SB Diesel Range Organics (DRO) 32 9.7 mg/Kg 1 5/6/2022 5:40:23 PM Motor Oil Range Organics (MRO) 5/6/2022 5:40:23 PM 94 49 mg/Kg 1 Surr: DNOP 109 51.1-141 %Rec 1 5/6/2022 5:40:23 PM **EPA METHOD 300.0: ANIONS** Analyst: NAI 880 60 5/6/2022 3:04:09 PM mg/Kg 20 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: BRM 0.025 5/5/2022 5:52:29 PM ND mg/Kg 1 ND 5/5/2022 5:52:29 PM 0.049 mg/Kg 1 Ethylbenzene ND 0.049 mg/Kg 1 5/5/2022 5:52:29 PM Xylenes, Total ND 0.098 mg/Kg 1 5/5/2022 5:52:29 PM Surr: 1,2-Dichloroethane-d4 109 70-130 %Rec 5/5/2022 5:52:29 PM 1 Surr: 4-Bromofluorobenzene 101 70-130 %Rec 1 5/5/2022 5:52:29 PM

70-130

70-130

70-130

105

49

%Rec

%Rec

mg/Kg

%Rec

1

1

1

1

5/5/2022 5:52:29 PM

5/5/2022 5:52:29 PM

5/5/2022 5:52:29 PM

5/5/2022 5:52:29 PM

Analyst: BRM

Surr: Dibromofluoromethane 113 Surr: Toluene-d8 104 **EPA METHOD 8015D MOD: GASOLINE RANGE** Gasoline Range Organics (GRO) ND

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- POL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- в Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Client: Project:		D Solutions 1s 2A								
Sample ID:	MB-67316	SampType: m	blk	Tes	tCode: EPA	Method	300.0: Anions	;		
Client ID:	PBS	Batch ID: 67	316	F	RunNo: 877 9	98				
Prep Date:	5/6/2022	Analysis Date: 5	/6/2022	S	SeqNo: 311	1668	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC I	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-67316	SampType: Ic	s	Tes	tCode: EPA	Method	300.0: Anions	;		
Client ID:	LCSS	Batch ID: 67	316	F	RunNo: 877 9	98				
Prep Date:	5/6/2022	Analysis Date: 5	/6/2022	S	SeqNo: 311	1669	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC I	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	92.8	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2204D51

11-May-22

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: JAKD Project: Owens	Solutions 2A									
Sample ID: LCS-67260	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	ID: 672	260	F	RunNo: 87	762				
Prep Date: 5/4/2022	Analysis D	ate: 5/	5/2022	5	SeqNo: 31	09550	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.1	68.9	135			
Surr: DNOP	3.7		5.000		73.5	51.1	141			
Sample ID: MB-67260	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	ID: 672	260	F	RunNo: 87	762				
Prep Date: 5/4/2022	Analysis D	ate: 5/	5/2022	S	SeqNo: 31	09554	Units: mg/K	g		
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	8.4		10.00		84.4	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

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2204D51

11-May-22

WO#:

Estimated value

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

JAKD Solutions

Owens 2A

D	Sample Diluted Due to Matrix	E	Estimated value
Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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Value exceeds Maximum Contaminant Level.

Qualifiers:

*

Sample ID: Ics-67232	Samp	Гуре: LC	S4	Tes	tCode: EF	PA Method	8260B: Volati	les Short I	ist	
Client ID: BatchQC	Batc	h ID: 672	232	F	RunNo: 87	782				
Prep Date: 5/3/2022	Analysis [Date: 5/5	5/2022	S	SeqNo: 31	09258	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	112	80	120			
Toluene	0.99	0.050	1.000	0	98.8	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.0	80	120			
Surr: 1,2-Dichloroethane-d4	0.60		0.5000		120	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.6	70	130			
Surr: Dibromofluoromethane	0.57		0.5000		113	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			
Sample ID: mb-67232	Samp	Гуре: МВ	LK	Tes	tCode: EF	A Method	8260B: Volati	les Short I	_ist	
Sample ID: mb-67232 Client ID: PBS	•	Гуре: МВ h ID: 672			tCode: EF RunNo: 87		8260B: Volati	les Short I	_ist	
	•	h ID: 672	232	F		782	8260B: Volati Units: mg/K		_ist	
Client ID: PBS	Batc	h ID: 672	232 5/2022	F	RunNo: 87	782			.ist RPDLimit	Qual
Client ID: PBS Prep Date: 5/3/2022	Batc Analysis [h ID: 672 Date: 5/5	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 109259	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 5/3/2022 Analyte	Batc Analysis I Result	h ID: 672 Date: 5/5 PQL	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 109259	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene	Batc Analysis I Result ND	h ID: 672 Date: 5/5 PQL 0.025	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 109259	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene	Analysis I Result ND ND	h ID: 672 Date: 5/5 PQL 0.025 0.050	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 109259	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene Ethylbenzene	Analysis I Result ND ND ND	h ID: 672 Date: 5/9 0.025 0.050 0.050	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 109259	Units: mg/K	g		Qual
Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result ND ND ND ND	h ID: 672 Date: 5/9 0.025 0.050 0.050	232 5/2022 SPK value	F	RunNo: 87 SeqNo: 31 %REC	7782 109259 LowLimit	Units: mg/K HighLimit	g		Qual
Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4	Batc Analysis I Result ND ND ND ND 0.55	h ID: 672 Date: 5/9 0.025 0.050 0.050	232 5/2022 SPK value 0.5000	F	RunNo: 87 SeqNo: 31 %REC 110	7782 109259 LowLimit 70	Units: mg/K HighLimit 130	g		Qual

B Analyte detected in the associated Method Blank

Page 4 of 5

WO#: 2204D51

11-May-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	KD Solutions vens 2A									
Sample ID: Ics-67232	Samp	Туре: LC	S	Tes	tCode: EF	A Method	8015D Mod: (Gasoline R	ange	
Client ID: LCSS	Bato	h ID: 672	232	F	RunNo: 87	782				
Prep Date: 5/3/2022	Analysis	Date: 5/	5/2022	S	SeqNo: 31	09233	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (Gl	RO) 27	5.0	25.00	0	107	70	130			
Surr: BFB	540		500.0		108	70	130			
Sample ID: mb-67232	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D Mod: (Gasoline R	ange	
Client ID: PBS	Bato	h ID: 672	232	F	RunNo: 87	782				
Prep Date: 5/3/2022	Analysis	Date: 5/	5/2022	S	SeqNo: 31	09234	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GI	RO) ND	5.0								
Surr: BFB	510		500.0		102	70	130			

- * 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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2204D51 11-May-22

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ANALYSIS LABORATORY	L <i>TEL: 505-345</i>	tental Analysis Labor 4901 Hawki Albuquerque, NM & -3975 FAX: 505-345- ww.hallenvironmenta	ns NE 87109 San 4107	nple Log-In Chec	k List
Client Name: JAKD Solution	work Order Nu	mber: 2204D51		RcptNo: 1	
Received By: Juan Rojas	4/30/2022 8:30:0	0 AM	(Juan ag		
Completed By: Juan Rojas	4/30/2022 10:12:		Guan Eng		
Reviewed By: KOG	5.2.22		/		
<u>Chain of Custody</u>					
1. Is Chain of Custody complet	e?	Yes 🗹	No 🗌	Not Present	
2. How was the sample deliver	ed?	Courier			
Log In 3. Was an attempt made to coo	ol the samples?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samples received a	t a temperature of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in proper containe	er(s)?	Yes 🗹	No 🗌		
6. Sufficient sample volume for	indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA an	d ONG) properly preserved?	Yes 🔽	No 🗌		
8. Was preservative added to be	ottles?	Yes	No 🗹	NA 🗌	
9. Received at least 1 vial with h	neadspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🔽	
10. Were any sample containers	received broken?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle (Note discrepancies on chain		Yes 🔽	No 🗌	bottles checked for pH: (<2 or >12 ur	nless noted)
12. Are matrices correctly identifi	,,	Yes 🔽	No 🗌	Adjusted?	
13. Is it clear what analyses were	requested?	Yes 🔽	No 🗌		. hals
 Were all holding times able to (If no, notify customer for aut) 		Yes 🗹	No 🗌	Checked by: JN	4130120
Special Handling (if appli	<u>cable)</u>				
15. Was client notified of all disc	repancies with this order?	Yes 🗌	No 🗌	NA 🔽	
Person Notified:	Dat	e			
By Whom:	Via:	eMail 🗌 F	hone 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp °C	Condition Seal Intact Seal No	Seal Date	Signed By		
1 0.5 G	ood				

Page 1 of 1

Chain-of-Custody Record Turn-hound Time: Chain-of-Custody Record Turn-hound Time: Own halter result All ENVIRONMENTAL Own halter result All Environmentation Own halter result Own halter result Own halter result Own halterer </th <th>Received by OCD: 3/22/2023</th> <th>:30:07 PM</th> <th></th> <th>Page 17 of 33</th>	Received by OCD: 3/22/2023	:30:07 PM		Page 17 of 33
Chain-of-Custody Record Turn-Mound Time: mi:::	ЧŽ			
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May 11, 2022

James McDaniel JAKD Solutions 3811 Crestridge Dr Farmington, NM 87401 TEL: (505) 860-1666 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Owens 2A

OrderNo.: 2204D51

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/30/2022 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 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: JAKD Solutions

Owens 2A

2204D51-001

Project:

Lab ID:

Analytical Report
Lab Order 2204D51

Date Reported: 5/11/2022

Han Environmental Analysis Laboratory, ind	ital Analysis Laboratory, Inc	alysis	ŀ	Environmental	Hall
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Client Sample ID: Bottom Composite @3' Collection Date: 4/29/2022 9:15:00 AM Received Date: 4/30/2022 8:30:00 AM

240 120 220 1201 001		.,			
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	32	9.7	mg/Kg	1	5/6/2022 5:40:23 PM
Motor Oil Range Organics (MRO)	94	49	mg/Kg	1	5/6/2022 5:40:23 PM
Surr: DNOP	109	51.1-141	%Rec	1	5/6/2022 5:40:23 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	880	60	mg/Kg	20	5/6/2022 3:04:09 PM
EPA METHOD 8260B: VOLATILES SHORT	LIST				Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	5/5/2022 5:52:29 PM
Toluene	ND	0.049	mg/Kg	1	5/5/2022 5:52:29 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/5/2022 5:52:29 PM
Xylenes, Total	ND	0.098	mg/Kg	1	5/5/2022 5:52:29 PM
Surr: 1,2-Dichloroethane-d4	109	70-130	%Rec	1	5/5/2022 5:52:29 PM
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	5/5/2022 5:52:29 PM
Surr: Dibromofluoromethane	113	70-130	%Rec	1	5/5/2022 5:52:29 PM
Surr: Toluene-d8	104	70-130	%Rec	1	5/5/2022 5:52:29 PM
EPA METHOD 8015D MOD: GASOLINE RA	NGE				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/5/2022 5:52:29 PM
Surr: BFB	105	70-130	%Rec	1	5/5/2022 5:52:29 PM

Matrix: SOIL

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

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Client: Project:		D Solutions 1s 2A								
Sample ID:	MB-67316	SampType: m	blk	Tes	tCode: EPA	Method	300.0: Anions	;		
Client ID:	PBS	Batch ID: 67	316	F	RunNo: 877 9	98				
Prep Date:	5/6/2022	Analysis Date: 5	/6/2022	S	SeqNo: 311	1668	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC I	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-67316	SampType: Ic	s	Tes	tCode: EPA	Method	300.0: Anions	;		
Client ID:	LCSS	Batch ID: 67	316	F	RunNo: 877 9	98				
Prep Date:	5/6/2022	Analysis Date: 5	/6/2022	S	SeqNo: 311	1669	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC I	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	92.8	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

2204D51

11-May-22

WO#:

- Reporting Limit RL

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: JAKD Project: Owens	Solutions 2A									
Sample ID: LCS-67260	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	ID: 672	260	F	RunNo: 87	762				
Prep Date: 5/4/2022	Analysis D	ate: 5/	5/2022	5	SeqNo: 31	09550	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.1	68.9	135			
Surr: DNOP	3.7		5.000		73.5	51.1	141			
Sample ID: MB-67260	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	ID: 672	260	F	RunNo: 87	762				
Prep Date: 5/4/2022	Analysis D	ate: 5/	5/2022	S	SeqNo: 31	09554	Units: mg/K	g		
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	8.4		10.00		84.4	51.1	141			

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
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- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

2204D51

11-May-22

WO#:

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

JAKD Solutions

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blan
D	Sample Diluted Due to Matrix	Е	Estimated value
Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Project: Owens 2	2A									
Sample ID: Ics-67232	SampT	Type: LC	S4	Tes	tCode: EF	A Method	8260B: Volati	les Short I	List	
Client ID: BatchQC	Batc	h ID: 672	32	F	RunNo: 87	782				
Prep Date: 5/3/2022	Analysis [Date: 5/5	5/2022	S	SeqNo: 31	09258	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	112	80	120			
Toluene	0.99	0.050	1.000	0	98.8	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.0	80	120			
Surr: 1,2-Dichloroethane-d4	0.60		0.5000		120	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.6	70	130			
Surr: Dibromofluoromethane	0.57		0.5000		113	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			
	0.01									
Sample ID: mb-67232		Гуре: МВ	LK	Tes	tCode: EF	A Method	8260B: Volati	les Short I	List	
	Samp	Гуре: МВ h ID: 672			tCode: EF RunNo: 87		8260B: Volati	iles Short I	List	
Sample ID: mb-67232	Samp	h ID: 672	32	F		782	8260B: Volati Units: mg/K		List	
Sample ID: mb-67232 Client ID: PBS	Samp] Batcl	h ID: 672	232 5/2022	F	RunNo: 87	782			List	Qual
Sample ID: mb-67232 Client ID: PBS Prep Date: 5/3/2022	Samp Batcl Analysis [h ID: 672 Date: 5/5	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 09259	Units: mg/K	g		Qual
Sample ID: mb-67232 Client ID: PBS Prep Date: 5/3/2022 Analyte	Samp Batcl Analysis I Result	h ID: 672 Date: 5/5 PQL	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 09259	Units: mg/K	g		Qual
Sample ID: mb-67232 Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene	SampT Batcl Analysis I Result ND	h ID: 672 Date: 5/8 PQL 0.025	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 09259	Units: mg/K	g		Qual
Sample ID: mb-67232 Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene	SampT Batcl Analysis I Result ND ND	h ID: 672 Date: 5/5 PQL 0.025 0.050	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 09259	Units: mg/K	g		Qual
Sample ID: mb-67232 Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene Ethylbenzene	SampT Batcl Analysis I Result ND ND ND	h ID: 672 Date: 5/9 PQL 0.025 0.050 0.050	232 5/2022	F	RunNo: 87 SeqNo: 3 1	782 09259	Units: mg/K	g		Qual
Sample ID: mb-67232 Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batcl Analysis I Result ND ND ND ND	h ID: 672 Date: 5/9 PQL 0.025 0.050 0.050	232 5/2022 SPK value	F	RunNo: 87 SeqNo: 31 %REC	782 09259 LowLimit	Units: mg/K HighLimit	g		Qual
Sample ID: mb-67232 Client ID: PBS Prep Date: 5/3/2022 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4	Samp Batcl Analysis I Result ND ND ND ND 0.55	h ID: 672 Date: 5/9 PQL 0.025 0.050 0.050	232 5/2022 SPK value 0.5000	F	RunNo: 87 SeqNo: 31 %REC 110	782 09259 LowLimit	Units: mg/K HighLimit 130	g		Qual

Page 4 of 5

WO#: 2204D51

11-May-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	KD Solutions vens 2A									
Sample ID: Ics-67232	Samp	Туре: LC	S	Tes	tCode: EF	A Method	8015D Mod: (Gasoline R	ange	
Client ID: LCSS	Bato	h ID: 672	232	F	RunNo: 87	782				
Prep Date: 5/3/2022	Analysis	Date: 5/	5/2022	S	SeqNo: 31	09233	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (Gl	RO) 27	5.0	25.00	0	107	70	130			
Surr: BFB	540		500.0		108	70	130			
Sample ID: mb-67232	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D Mod: (Gasoline R	ange	
Client ID: PBS	Bato	h ID: 672	232	F	RunNo: 87	782				
Prep Date: 5/3/2022	Analysis	Date: 5/	5/2022	S	SeqNo: 31	09234	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GI	RO) ND	5.0								
Surr: BFB	510		500.0		102	70	130			

- * 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
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- P Sample pH Not In Range
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2204D51

11-May-22

WO#:

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-	ental Analysis Labor 4901 Hawkii Albuquerque, NM & -3975 FAX: 505-345- ww.hallenvironmenta	ns NE 87109 San -4107	nple Log-In Cheo	x List
Client Name: JAKD Solution	s Work Order Nur	mber: 2204D51		RcptNo: 1	
Received By: Juan Rojas	4/30/2022 8:30:00) AM	(Juan Eng		
Completed By: Juan Rojas	4/30/2022 10:12:5		Guarang		
Reviewed By: KOG	5.2.22				
Chain of Custody					
1. Is Chain of Custody complete	?	Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered	d?	Courier			
Log In 3. Was an attempt made to cool	the samples?	Yes 🗸	No 🗌		
4. Were all samples received at a	a temperature of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in proper container	(s)?	Yes 🔽	No 🗌		
6. Sufficient sample volume for ir	ndicated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and	ONG) properly preserved?	Yes 🔽	No 🗌		
8. Was preservative added to bot	tles?	Yes	No 🗹	NA 🗌	
9. Received at least 1 vial with he	adspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🔽	
10. Were any sample containers r	eceived broken?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle I (Note discrepancies on chain c		Yes 🔽	No 🗌	bottles checked for pH: (<2 or >12 u	nless noted)
12. Are matrices correctly identified	,,	Yes 🗸	No 🗌	Adjusted?	
13. Is it clear what analyses were r	requested?	Yes 🔽	No 🗌		balan
14. Were all holding times able to (If no, notify customer for author)		Yes 🗹	No 🗆	Checked by: J N	4[30]2
Special Handling (if applic	able)				
15. Was client notified of all discre	epancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date	ə 🛛			
By Whom:	Via:	🗌 eMail 🔲 F	Phone 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp °C C	ondition Seal Intact Seal No	Seal Date	Signed By		
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Turn-Around T	Project Mana Sampler: Sampler: On Ice: Cooler Temp Cooler Temp Cooler and #		
Turn-Arou Z Stand Project Ni O UV U	Project Mar Sampler: On Ice: # of Coolers Cooler Tem Container Type and #		Received by: Received by:
	Project Manager: The project Manager: Sampler: Samuel On Ice: And # of Coolers: I Cooler Temp(motual Type and # Type		Reco
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Reco	کرکم ا ا Valid	Sottam Composite	lental
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dy lon	Se el 4		
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of-Cu: ZBI	Az Co		Idusi les su
PEL NO	· / D.,		Relir samp
Chain-of-Custody Record T. SAKD Solutions 19 Address: 2811 Crest ridge Earmin Fry NM e #: 505-860-1666	ie ye)		I mee: Remarks: Time: Relinquished by: Received by: Via: Date Time Remarks: Time: Relinquished by: Received by: Via: Date Time Date Time Received by: Via: Date Time Received by: Na: Date Time
K V V W	Pr Fax# Packag Intation: AC (Type Time		$\frac{1}{2}$ $\frac{1}{10}$
Client: SAK	email or Fax#: QA/QC Package. Id Standard Accreditation: Id NELAC Date Time	22/balk	12/25
[고 볼 [윤]			Date Date

Received by OCD: 3/22/2023 5:30:07 PM

BH #4 @ 1.5'

Benzene: ND

Toluene: ND

Xylenes: ND Chlorine: ND

Ethylbenzene: ND

DRO: ND

MRO: ND

GRO: ND TPH: ND

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BH #2 @ 1.5' DRO: ND MRO: ND GRO: ND TPH: ND Benzene: ND Toluene: ND Ethylbenzene: ND Xylenes: ND Chlorine: ND BH #3 @ 4' DRO: ND MRO: ND GRO: ND TPH: ND Benzene: ND Toluene: ND Ethylbenzene: ND Xylenes: ND Chlorine: ND SAMPLING MAP LEGEND

BH #1 @ 2.5' DRO: ND MRO: ND GRO: ND TPH: ND Benzene: ND

Toluene: ND Ethylbenzene: ND Xylenes: ND Chlorine: 400 ppm

New Pit Tank Location

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



Company: Roddy Production Well Name: Owen 2A API: **30-045-30235** Sec 19, Twn 31N, Rge 12W San Juan County, New Mexico Lease: SF-078243 Lat: 36.88901 Long: -108.13130 Released to Timaging: 3/28/2023 7:32:56 AM **Borehole Locations**

Bottom Composite @ 3' 4/29/2022 DRO: 32 mg/kg GRO: ND MRO: 94 mg/kg TPH: 126 mg/kg Benzene: ND BTEX: ND Chloride: 880 mg/kg

Drawn By: James McDaniel Date: 5/18/2022



Company: Roddy Production Well Name: Owen 2A API: 30-045-30235 Sec 19, Twn 31N, Rge 12W San Juan County, New Mexico Lease: SF-078243 Lat: 36.88901 Long: -108.13130

SAMPLING MAP

X Sample Point

LEGEND

Lat: 36.88901, Long: -108.13130 Released to Imaging: 3/28/2023 7:32:56 AM



Roddy Production Owen 2A 30-045-30235



Photo 1: Owen 2A Well Sign







Photo 2: Backfilled Excavation Area

Owen #2A Analytical Data

					Oil Range							
			Diesel Range	Gasoline Range	Organics	Total				Total	Total	
			Organics	Organics (GRO)	(MRO)	ТРН	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Chlorides
Sample Name	Date	Time	(DRO) (ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Bottom Composite @ 3'	4/29/2023	9:15 AM	32	ND	94	126	ND	ND	ND	ND	ND	880
BH#1 @ 2.5' (Stone)	3/15/2023	10:35 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	400
BH#2 @ 1.5' (Stone)	3/15/2023	10:45 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH#3 @ 4' (Stone)	3/15/2023	10:55 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH#4 @ 1.5' (Stone)	3/15/2023	11:05 AM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Roddy Production Co., Inc. San Juan Basin Release Variance Request

Well Name:Owen 2AAPI No.:30-045-30235Description:Unit A, Section 19, Township 31N, Range 12W, San Juan County

On-Site Activity

4/18/2022

Roddy Production operations personnel noticed that there was a discrepancy in the water volume in the BGT at the Owen 2A well location. Approximately 19 bbls of water was unaccounted for in the BGT. A leak in the BGT was suspected, and the BGT was immediately emptied to prevent additional water from being lost.

4/25/2022

Notification of BGT closure activities was made to the NMOCD and the BLM.

4/29/2022

JAKD Personnel, Roddy Production personnel, Knock-Out Construction and Emanual Adeloye with the BLM were on-site for BGT closure activities. Approximately 1 foot of soil was excavated from the BGT cellar beneath the former location of the BGT due to visual salt staining on the surface. A hard sandstone layer was encountered at 3' below ground surface (1' below the BGT bottom), and additional excavation could not take place. A composite sample was collected at 3' below ground surface of the sandstone material beneath the former location of the BGT. The sample was analyzed at Hall Environmental Laboratory.

5/11/2022

Sample results from the BGT composite demonstrated that all constituents analyzed were below the closure requirements approved in the BGT registration approved by the NMOCD on March 9, 2022.

5/18/2022

The former BGT area was backfilled using soil from on-site and compacted. The area will continue to be used for the operation of the Owen 2A wellsite.

3/15/2023

In order to delineate potential contaminants beneath the surface, JAKD Solutions was onsite on March 15, 2023 to collect at depth samples from the perimeter of the previously excavated area. Samples were collected from approximately 10 feet outside of the previously excavated area and were collected using a stainless-steel hand auger.

Borehole #1 (BH#1) was completed to the east of the previously excavated area and was advanced until refusal was met at 2.5' below ground surface (bgs). At this depth, sandstone was encountered, and the auger could not be advanced further. A sample was collected of the sandstone at this depth and collected into a 4-ounch glass jar for laboratory analysis. No visible staining or odors were encountered in this boring.

Borehole #2 (BH#2) was completed to the north of the previously excavated area and was advanced until refusal was met at 1.5' below ground surface (bgs). At this depth, sandstone was encountered, and the auger could not be advanced further. A sample was collected of the sandstone at this depth and collected into a 4-ounch glass jar for laboratory analysis. No visible staining or odors were encountered in this boring.

Borehole #3 (BH#3) was completed to the south of the previously excavated area and was advanced until refusal was met at 4' below ground surface (bgs). At this depth, sandstone was encountered, and the auger could not be advanced further. A sample was collected of the sandstone at this depth and collected into a 4-ounch glass jar for laboratory analysis. No visible staining or odors were encountered in this boring.

Borehole #4 (BH#4) was completed to the west of the previously excavated area and was advanced until refusal was met at 1.5' below ground surface (bgs). At this depth, sandstone was encountered, and the auger could not be advanced further. A sample was collected of the sandstone at this depth and collected into a 4-ounch glass jar for laboratory analysis. No visible staining or odors were encountered in this boring.

Samples were analyzed at Hall Environmental Laboratory for TPH (DRO+GRO+MRO) via USEPA Method 8015M, for BTEX via USEPA Method 8021B, and for chlorides via USEPA Method USEPA Method 300.0. All samples returned results of non-detect for TPH and BTEX constituents, and 3 of the 4 samples return ed results of non-detect for chlorides as well. The sample collected from BH#1 returned chloride results of 400 mg/kg. This is below the NMOCD limit of 600 mg/kg in the top 4 feet.

Variance Request

Due to the delineation results demonstrating that the impacts have not extended horizontally from the excavated area, and the impacts from the BGT release being contained in the sandstone at a depth of 3' bgs, Roddy Production is requesting a variance on the requirements of NMAC 19.15.29.13 requiring materials in the top 4 feet to be below 600 mg/kg chlorides due to the impacts found during the BGT closure were in sandstone at 3' bgs, and the BGT pit appears to have been dug into the sandstone based on the depth of sandstone found in the surrounding boreholes. Additionally, vegetation in the wellsite area is not likely to establish a root zone as far down as 3' where the elevated chloride levels are present. Vegetation in the area is desert plant life with a shallow root zone typically less than 1 foot below ground surface. Roddy Production is requesting closure on this incident based on the information provided.

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

Operator:	OGRID:
RODDY PRODUCTION CO INC	36845
4001 N. BUTLER, BLDG 7101	Action Number:
Farmington, NM 87401	199938
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	Closure request via variance to 19.15.29.13D (1) is approved. Release resolved.	3/28/2023

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