



December 28, 2015

NMOCD District II  
 Attn. Heather Patterson  
 1301 W Grand Ave  
 Artesia, NM 88210

SUBJECT: SOIL REMEDIATION WORK PLAN FOR INCIDENT 2RP-3386 JRS HORZ FEDERAL #1, EDDY COUNTY, NEW MEXICO

Dear Ms. Patterson:

On behalf of COG Operating (COG), Souder Miller & Associates (SMA) is pleased to submit the attached Work Plan summarizing the planned soil remediation of the release site located on the JRS HORZ Federal #1 in Eddy County, New Mexico. The purpose of the work plan is to obtain approval from the New Mexico Oil Conservation Division for remediation of the release that occurred on October 21, 2015.

At the request of COG, SMA responded to assess and delineate the production fluids release associated with the JRS HORZ Federal #1 Oil well location. The release was initially reported to NMOCD by COG Operating on November 4, 2015 and was a result of a Lighting Strike incident. The table below summarizes information regarding the release. Results of the assessment and delineation follow in the attached report.

Table 1: Release information and Site Ranking					
Name	JRS HORZ Federal #1				
Location	Incident Number	API Number	Section, Township, Range		
		2RP-3386	30-015-33066	SW/NE (Unit D)	Section 10
Estimated Date of Release	October 21, 2015				
Date Reported to NMOCD	November 4, 2015				
Reported by	Amanda Trujillo Davis				
Land Owner	Bureau of Land Management (BLM)				
Reported To	NM Oil Conservation Division (NMOCD)				
Source of Release	Lighting Strike				
Released Material	Produced Water and Oil				
Released Volume	1310 bbls Produced Water and 44 bbls Oil				
Recovered Volume	200 bbls Produced Water and 40 bbls Oil				
Net Release	1110 bbl Produced Water and 4 bbl Oil				
Nearest Waterway	1,800 feet north of the location.				

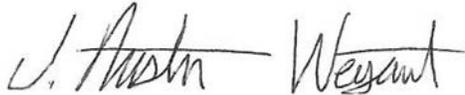


Depth to Groundwater	Estimated to be 102 feet
Nearest Domestic Water Source	Greater than 1000 feet
NMOCD Ranking	0
SMA Response Dates	Initial: 12/16/15 Mitigation Activities: Unknown
Subcontractors	TCS, MMX
Disposal Facility	Texas permitted R360 Red Bluff facility in Texas
Estimated Yd <sup>3</sup> Contaminated Soil Excavated and Disposed	1,400 yd <sup>3</sup>

A copy of the C-141 Initial is located in Appendix B. For questions or comments pertaining to the release or the attached Work Plan, please feel free to contact either of us.

Submitted by:

SOUDER, MILLER & ASSOCIATES



Austin Weyant  
Project Scientist

Reviewed by:



Cynthia Gray, CHMM  
Senior Scientist



# SOIL REMEDIATION WORK PLAN FOR INCIDENT 2RP-3386

## COG OPERATING LLC

JRS HORZ FEDERAL #1  
API# 30-015-33066  
SECTION 10, T26S R29E, NMPM  
EDDY COUNTY, NM



Prepared for:  
COG Operating LLC  
2407 Pecos Ave  
Artesia, NM 88210

Prepared by:  
Souder, Miller & Associates  
201 S. Halagueno  
Carlsbad, NM 88221  
575-689-7040

December 28, 2015  
SMA Reference  
5B23978 BG13



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## **1.0 Introduction**

On behalf of COG Operating LLC (COG), SMA has prepared this report that describes the assessment and initial delineation of a release associated with the JRS HORZ FEDERAL #1 Oil release site. The site is located in Section 1, T 26S, R 29 E NMPM, Eddy County, New Mexico, on land owned by the Bureau of Land Management (BLM). Figure 1 illustrates the vicinity and location of the site.

## **2.0 Site Ranking and Land Jurisdiction**

The release site is located approximately 1.2 miles (> 1,000 feet) east of Pecos River, on federal BLM Land with an elevation of approximately 2,970 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs) using the Pecos River as groundwater level. Figure 1 depicts the site vicinity and Figure 2 depicts the site details and sample locations.

SMA searched the New Mexico State Engineer's Office online water well database for water wells in the vicinity of the release. No well is located within a 1000 foot radius of the site. Figure 1 depicts the site vicinity and Figure 2 shows the site itself. The physical location of this release is within the jurisdiction of NMOCD.

This release location has been assigned a NMOCD ranking of 0 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 5000 ppm total petroleum hydrocarbons (TPH). Table 1 illustrates site ranking rationale.

## **3.0 Assessment and Initial Results**

On December 16, 2015, after receiving 811 clearance, SMA field personnel assessed the release area onsite with an auger, a Photo Ionization Detector (PID), and a mobile chlorides titration kit. The affected area was found to be 130 feet long and 40 feet wide on the well pad. The spill moved north off of pad in to the draw for 1,580 feet long and less than a foot wide. The area north of pad and draw there is a pipeline right-of-way where no sampling occurred due to safety concerns. Delineation samples were taken to depths of 16 feet bgs on pad and 3 foot bgs in draw. Samples results displayed in Table 2 shows that the contaminated soil are within 2 feet bgs on the pad. The draw area shows elevated chloride levels on surface. Samples taken in pad area at 4 foot bgs found to exhibit background levels of chloride. The draw area samples at 2.5 foot bgs found to exhibit background levels of chloride. Sample locations are noted on Figure 2 Site Details and Sample Location Map. All samples were collected and processed according to NMOCD soil sampling procedures. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for Benzene and Total BTEX using EPA Method 8021B, DRO and GRO by EPA Method 8015D, and total Chlorides using EPA Method 300.0.

## **4.0 Soil Remediation Work Plan**

SMA will begin the excavation of affected soils in and around the locations pad, with approval from area utilities owners via 811 and NMOCD. SMA will continuously guide the excavation activities by collecting composite soil samples for field screening with a mobile titration unit

(EPA 4500) and a calibrated PID. Excavation will occur on pad and off pad. No excavation will occur due to safety concerns in the area north of the well pad and draw where the pipeline right-of-way exists. Excavation will occur to depths to sufficient to delineate the plume by NMOCD Division 1 standards. Final samples will be collected at final depth of excavation. Approximately 1,400 cubic yards of contaminated soil will be removed and replaced with clean backfill material to bring the contours to surface grade. The contaminated soil will be transported for proper disposal at Texas permitted R360 Red Bluff facility in Texas.

SMA will attempt to delineate the rest of the affected draw not accomplished on the December 16, 2015 assessment to gain a more complete picture of the extent on the chloride impact. As of 1/11/15 the draw is too saturated with precipitation to allow for ATV access.

## 5.0 Conclusions and Recommendations

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 0: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 5000 ppm TPH. The release consisted of produced and associated petroleum found during the initial assessment and delineation.

After the soil remediation work plan is approved by NMOCD, SMA will begin soil remediation activities on site.

Soil contaminant concentrations found during the initial delineation are illustrated in Figure 2. A summary of the laboratory analyses is included in Table 2. Laboratory reports are included in Appendix A.

## 6.0 Closure and Limitations

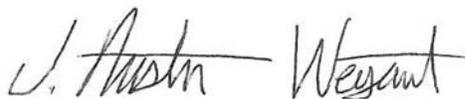
The scope of our services consisted of the performance of a preliminary spill assessment, verification of release stabilization, regulatory liaison, and preparation of this Remediation Work Plan. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-7040 or Cindy Gray at 505-325-7535.

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES



Austin Weyant  
Project Scientist



Cynthia Gray, CHMM  
Senior Scientist

**Figures:**

Figure 1: Vicinity Map

Figure 2: Site Details and Sample Locations Map

**Tables:**

Table 1: Release Information and Site Ranking

Table 2: Summary of Laboratory Analyses

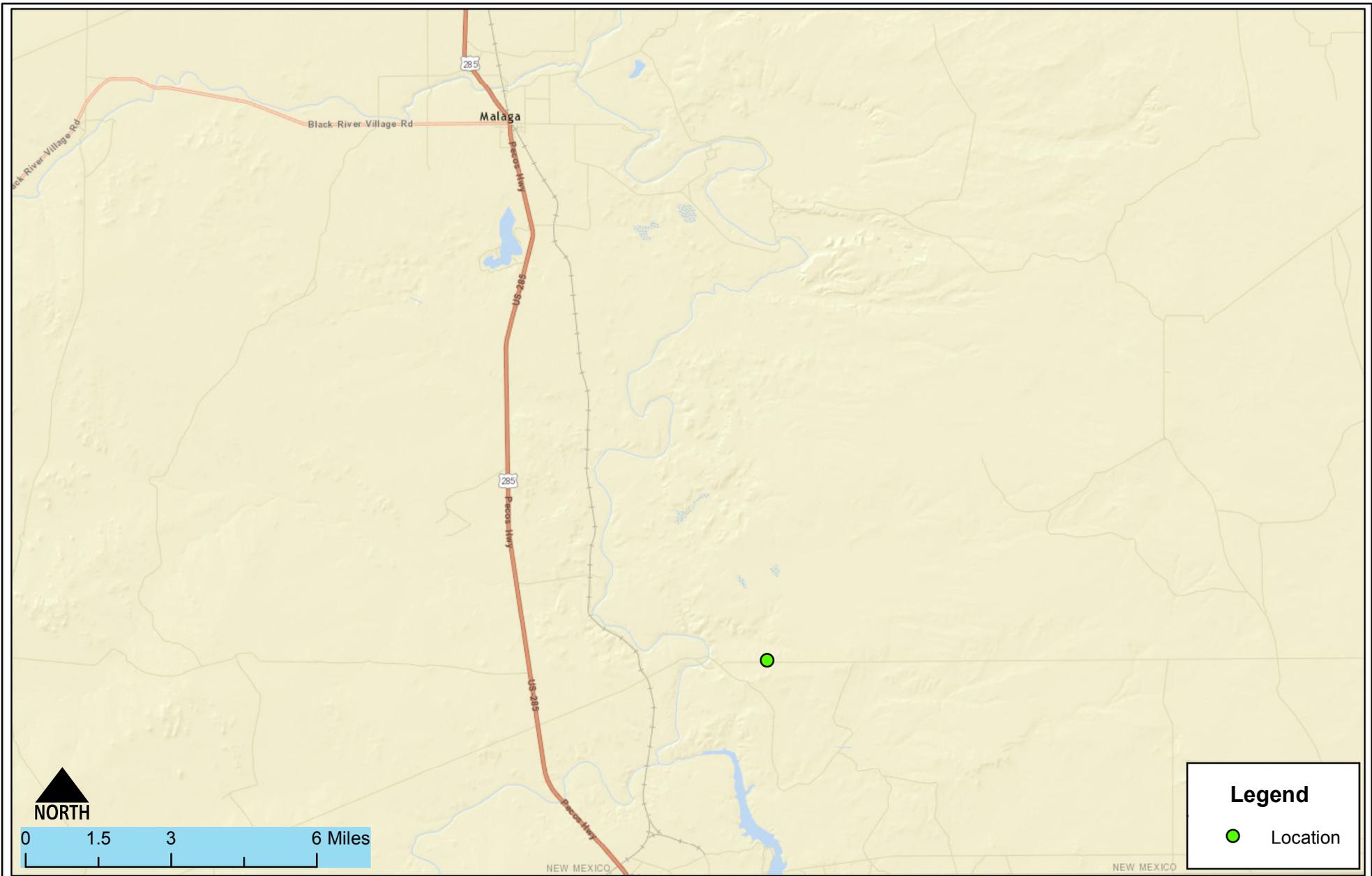
**Appendices:**

Appendix A: Laboratory Analytical Reports

Appendix B: Form C141 Initial

# FIGURE 1

## VICINITY MAP



**Legend**

- Location

Vicinity Map  
 COG- JRS HORZ Federal #1  
 Malaga, New Mexico

Figure 1

Date Saved: 11/25/2015	By: _____	Date: _____	Revisions	Descr: _____
	By: _____	Date: _____		Descr: _____
Copyright 2015 Souder, Miller & Associates - All Rights Reserved				

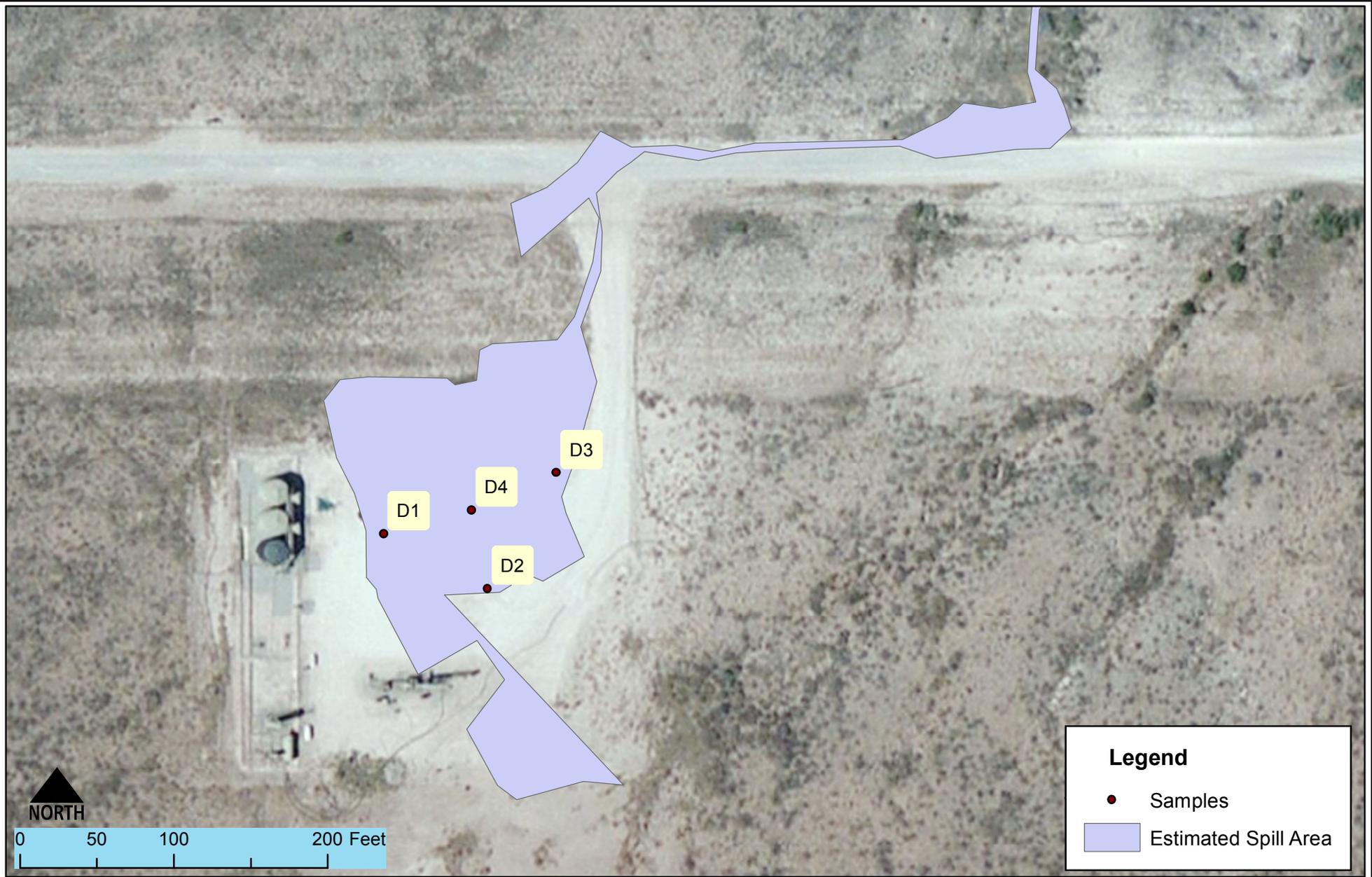
Drawn	<u>Lucas Middleton</u>
Checked	_____
Approved	_____



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# FIGURE 2

## SITE DETAILS AND SAMPLE LOCATIONS MAP



Site Detail and Sample Locations  
COG- JRS HORZ Federal #1  
Malaga, New Mexico

Figure 2

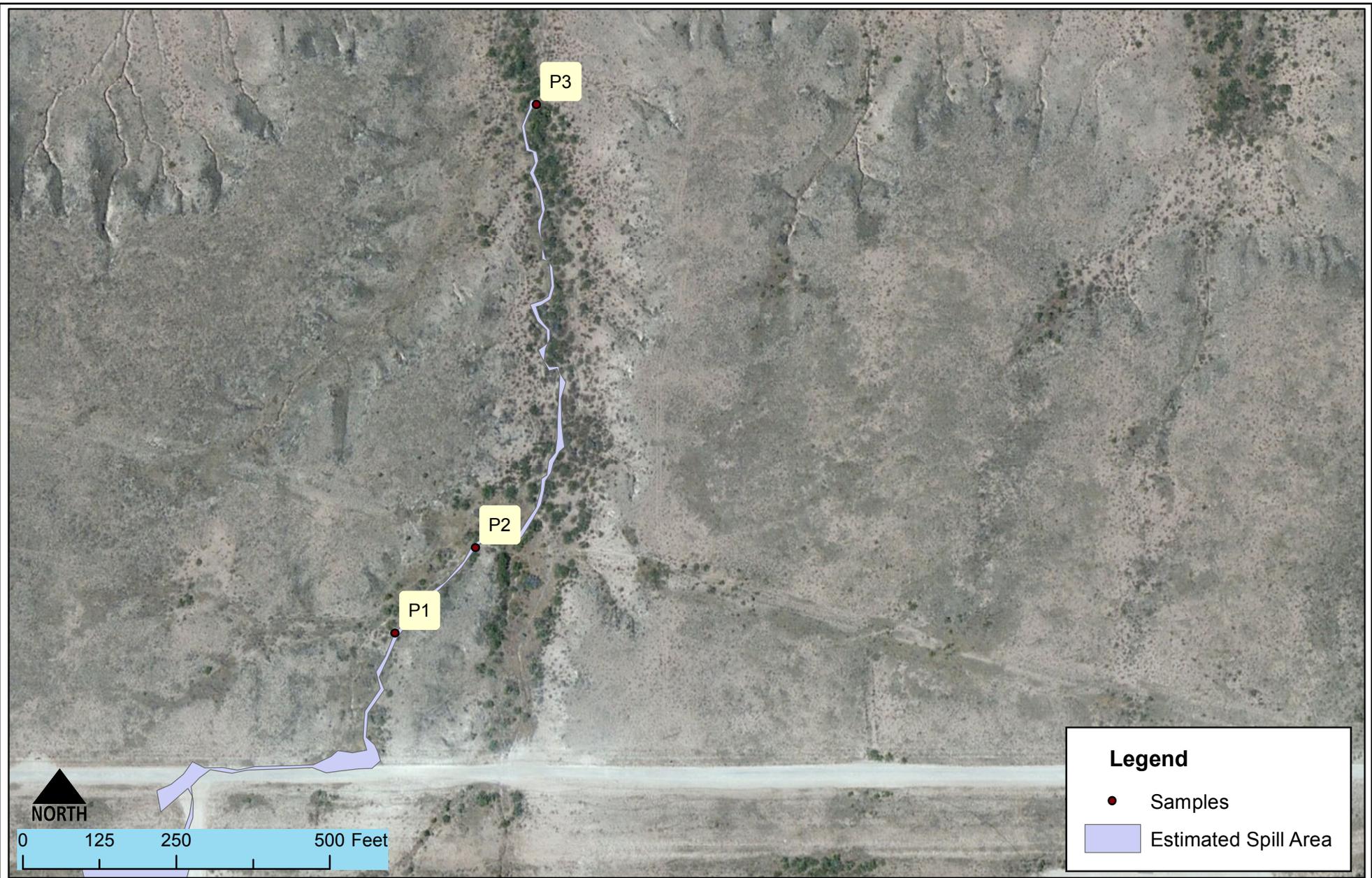
Revisions	
By: _____	Date: _____
By: _____	Date: _____

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Drawn	<u>Lucas Middleton</u>
Checked	_____
Approved	_____



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Site Detail and Sample Locations  
 COG- JRS HORZ Federal #1  
 Malaga, New Mexico

Figure 2

Date Saved: 1/6/2016	By: _____	Date: _____	Revisions	Descr: _____
	By: _____	Date: _____		Descr: _____
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Drawn	<u>Lucas Middleton</u>
Checked	_____
Approved	_____



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# TABLE 1

## RELEASE INFORMATION AND SITE RANKING

Enterprise Products  
Table 2: Site Ranking

Santa Rosa 8 #2  
Pipeline Release  
1/5/2015

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20		USGS Topo Maps; Google Earth Elevation Difference from the site and the bobcat draw wash to the west	Pecos River is 1.4 miles to the west of the location. ; Site elevation is approximately 102 feet above Pecos River
50' to 99' = 10			
>100' = 0	0		
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20		USGS Topo Maps; Google Earth ; PRCC Mapping Tool	Pecos River is located approximately 1.4 miles to the west release
200' - 1000' = 10			
>1000' = 0	0		
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' from a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0	0	NM State Engineer Water Well Database	nearest well over 3,000 meter use Pecos River for water depth
<b>Total Site Ranking</b>			
	<b>0</b>		
Soil Remedation Standards	0 to 9	10 to 19	>19
<b>Benzene</b>	<b>10 PPM</b>	<b>10 PPM</b>	<b>10 PPM</b>
<b>BTEX</b>	<b>50 PPM</b>	<b>50 PPM</b>	<b>50 PPM</b>
<b>TPH</b>	<b>5000 PPM</b>	<b>1000 PPM</b>	<b>100 PPM</b>



# TABLE 2

## SUMMARY OF LABORATORY ANALYSES

**Table 2: Summary of Laboratory Analyses**

Analytical Report- 1512A57	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1512A57-001	D3-16	12/16/2015	16'	N/A	N/A	N/A	N/A	180
1512A57-002	D3-12	12/16/2015	12'	N/A	N/A	N/A	N/A	210
1512A57-003	D3-6	12/16/2015	6'	N/A	N/A	N/A	N/A	80
1512A57-004	D3-4	12/16/2015	4'	N/A	N/A	N/A	N/A	440
1512A57-005	D4-2	12/16/2015	2'	N/A	N/A	N/A	N/A	1,100
1512A57-006	D4-4	12/16/2015	4'	N/A	N/A	N/A	N/A	BDL

Table 2: Summary of Field Screening Results

JR Horz Federal #1  
 Produced Water  
 12/16/2015

<b>FIELD SCREENING RESULTS SUMMARY</b>					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	Chlorides Results	Lab Sample Collected Y/N
12/16/2015	11:00	P1-S	SURFACE	7,712	y
12/16/2015	11:00	P1-1	1'	1,290	y
12/16/2015	11:00	P1-3	3'	717	y
12/16/2015	11:00	P2-S	SURFACE	5,619	y
12/16/2015	11:00	P2-1	1'	488	y
12/16/2015	11:00	P2-3	3'	244	y
12/16/2015	11:00	P-3	SURFACE	11,180	y

\*BDL= Below Detectable Level



# APPENDIX A

# LABORATORY ANALYTICAL

# REPORTS



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)

November 23, 2015

Austin Weyant  
Souder, Miller & Associates  
201 S Halagueno  
Carlsbad, NM 88221  
TEL: (575) 689-7040  
FAX

RE: J.R. HORZ

OrderNo.: 1511524

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/12/2015 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 qualifers 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 #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1511524

Date Reported: 11/23/2015

**CLIENT:** Souder, Miller & Associates

**Client Sample ID:** L3-S

**Project:** J.R. HORZ

**Collection Date:** 11/9/2015 1:00:00 PM

**Lab ID:** 1511524-001

**Matrix:** SOIL

**Received Date:** 11/12/2015 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	25000	1500		mg/Kg	1E	11/18/2015 4:35:15 PM	22381
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.050		mg/Kg	1	11/13/2015 10:22:07 PM	22313
Toluene	ND	0.050		mg/Kg	1	11/13/2015 10:22:07 PM	22313
Ethylbenzene	ND	0.050		mg/Kg	1	11/13/2015 10:22:07 PM	22313
Xylenes, Total	ND	0.10		mg/Kg	1	11/13/2015 10:22:07 PM	22313
Surr: 4-Bromofluorobenzene	108	80-120		%REC	1	11/13/2015 10:22:07 PM	22313

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Value above quantitation range
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
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1511524

Date Reported: 11/23/2015

**CLIENT:** Souder, Miller & Associates

**Client Sample ID:** L1-S

**Project:** J.R. HORZ

**Collection Date:** 11/9/2015 1:00:00 PM

**Lab ID:** 1511524-002

**Matrix:** SOIL

**Received Date:** 11/12/2015 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	35000	1500		mg/Kg	1E	11/18/2015 4:47:39 PM	22381
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/13/2015 11:39:44 AM	22317
Surr: DNOP	101	70-130		%REC	1	11/13/2015 11:39:44 AM	22317
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/13/2015 10:45:32 PM	22313
Surr: BFB	84.6	75.4-113		%REC	1	11/13/2015 10:45:32 PM	22313

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	Value above quantitation range
	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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix		

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1511524

Date Reported: 11/23/2015

**CLIENT:** Souder, Miller & Associates

**Client Sample ID:** L2-S

**Project:** J.R. HORZ

**Collection Date:** 11/9/2015 1:00:00 PM

**Lab ID:** 1511524-003

**Matrix:** SOIL

**Received Date:** 11/12/2015 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	14000	750		mg/Kg	500	11/18/2015 5:00:04 PM	22381
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.049		mg/Kg	1	11/13/2015 11:08:49 PM	22313
Toluene	ND	0.049		mg/Kg	1	11/13/2015 11:08:49 PM	22313
Ethylbenzene	ND	0.049		mg/Kg	1	11/13/2015 11:08:49 PM	22313
Xylenes, Total	ND	0.098		mg/Kg	1	11/13/2015 11:08:49 PM	22313
Surr: 4-Bromofluorobenzene	109	80-120		%REC	1	11/13/2015 11:08:49 PM	22313

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 Value above quantitation range
	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
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1511524

Date Reported: 11/23/2015

**CLIENT:** Souder, Miller & Associates

**Client Sample ID:** BG-1

**Project:** J.R. HORZ

**Collection Date:** 11/9/2015 1:00:00 PM

**Lab ID:** 1511524-004

**Matrix:** SOIL

**Received Date:** 11/12/2015 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	ND	30		mg/Kg	20	11/17/2015 2:02:41 PM	22381

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	Value above quantitation range
	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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1511524

23-Nov-15

**Client:** Souder, Miller & Associates

**Project:** J.R. HORZ

Sample ID	<b>MB-22381</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>22381</b>	RunNo:	<b>30303</b>					
Prep Date:	<b>11/17/2015</b>	Analysis Date:	<b>11/17/2015</b>	SeqNo:	<b>924530</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-22381</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>22381</b>	RunNo:	<b>30303</b>					
Prep Date:	<b>11/17/2015</b>	Analysis Date:	<b>11/17/2015</b>	SeqNo:	<b>924531</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	96.4	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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1511524

23-Nov-15

**Client:** Souder, Miller & Associates

**Project:** J.R. HORZ

Sample ID <b>MB-22317</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>22317</b>		RunNo: <b>30214</b>							
Prep Date: <b>11/12/2015</b>	Analysis Date: <b>11/13/2015</b>		SeqNo: <b>920806</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	7.8		10.00		78.4	70	130			

Sample ID <b>LCS-22317</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>22317</b>		RunNo: <b>30214</b>							
Prep Date: <b>11/12/2015</b>	Analysis Date: <b>11/13/2015</b>		SeqNo: <b>921043</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	10	50.00	0	88.2	57.4	139			
Surr: DNOP	3.6		5.000		71.8	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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1511524

23-Nov-15

**Client:** Souder, Miller & Associates

**Project:** J.R. HORZ

Sample ID <b>MB-22313</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>22313</b>		RunNo: <b>30224</b>							
Prep Date: <b>11/12/2015</b>	Analysis Date: <b>11/13/2015</b>		SeqNo: <b>921636</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	830		1000		82.5	75.4	113			

Sample ID <b>LCS-22313</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>22313</b>		RunNo: <b>30224</b>							
Prep Date: <b>11/12/2015</b>	Analysis Date: <b>11/13/2015</b>		SeqNo: <b>921637</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	80.8	79.6	122			
Surr: BFB	930		1000		92.7	75.4	113			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                  |
| 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                          |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                      |
| S % Recovery outside of range due to dilution or matrix |   |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1511524

23-Nov-15

**Client:** Souder, Miller & Associates

**Project:** J.R. HORZ

Sample ID <b>MB-22313</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>22313</b>		RunNo: <b>30224</b>							
Prep Date: <b>11/12/2015</b>	Analysis Date: <b>11/13/2015</b>		SeqNo: <b>921692</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID <b>LCS-22313</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>22313</b>		RunNo: <b>30224</b>							
Prep Date: <b>11/12/2015</b>	Analysis Date: <b>11/13/2015</b>		SeqNo: <b>921693</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.050	1.000	0	81.2	80	120			
Toluene	0.82	0.050	1.000	0	81.9	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                  |
| 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                          |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                      |
| S % Recovery outside of range due to dilution or matrix |   |

**Sample Log-In Check List**

Client Name: SMA-CARLSBAD

Work Order Number: 1511524

RcptNo: 1

Received by/date: JA 11/12/15

Logged By: Ashley Gallegos

11/12/2015 9:10:00 AM

Completed By: Ashley Gallegos

11/12/2015 9:55:06 AM

Reviewed By: IO 11/12/15

**Chain of Custody**

- 1. Custody seals intact on sample bottles? Yes  No  Not Present
- 2. Is Chain of Custody complete? Yes  No  Not Present
- 3. How was the sample delivered? Courier

**Log In**

- 4. Was an attempt made to cool the samples? Yes  No  NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 6. Sample(s) in proper container(s)? Yes  No
- 7. Sufficient sample volume for indicated test(s)? Yes  No
- 8. Are samples (except VOA and ONG) properly preserved? Yes  No
- 9. Was preservative added to bottles? Yes  No  NA
- 10. VOA vials have zero headspace? Yes  No  No VOA Vials
- 11. Were any sample containers received broken? Yes  No
- 12. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes  No
- 14. Is it clear what analyses were requested? Yes  No
- 15. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
(<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by: \_\_\_\_\_

**Special Handling (if applicable)**

- 16. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

17. Additional remarks:

**18. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good	Yes			

# Chain-of-Custody Record

Client: SYA

Mailing Address: 201 S HAWKINS

Phone #: 575 6887040

Mail or Fax#: custm.weyant@syar.com

A/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  NELAP  Other

Sample Temperature: 2.5

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
				42/1		1511524
			L3-5			-001
			L7-5			-002
			L7-5			-003 X
			B6-1			-004

Turn-Around Time:  Standard  Rush

Project Name: J.R. TORRE

Project #: \_\_\_\_\_

Project Manager: WEYANT

Sampler: SAW

On Ice:  Yes  No

Received by: [Signature] Date: 11/12/15 Time: 0910

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

# 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 + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
X		X					X				
							X				
							X				
							X				

Remarks: SEND MAO IN e-mail not on report

This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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)

January 04, 2016

Austin Weyant  
Souder, Miller & Associates  
201 S Halagueno  
Carlsbad, NM 88221  
TEL: (575) 689-7040  
FAX

RE: J.R. HORZ

OrderNo.: 1512A57

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/22/2015 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 qualifers 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 #NM0190

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: 1512A57

Date Reported: 1/4/2016

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Souder, Miller & Associates  
**Project:** J.R. HORZ

**Lab Order:** 1512A57**Lab ID:** 1512A57-001 **Collection Date:** 12/16/2015 8:30:00 AM**Client Sample ID:** D3-16 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

**EPA METHOD 300.0: ANIONS**

Analyst: LGT

Chloride	180	30		mg/Kg	20	12/30/2015 11:29:48 AM	23002
----------	-----	----	--	-------	----	------------------------	-------

**Lab ID:** 1512A57-002 **Collection Date:** 12/16/2015 8:30:00 AM**Client Sample ID:** D3-12 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

**EPA METHOD 300.0: ANIONS**

Analyst: LGT

Chloride	210	30		mg/Kg	20	12/30/2015 12:31:51 PM	23002
----------	-----	----	--	-------	----	------------------------	-------

**Lab ID:** 1512A57-003 **Collection Date:** 12/16/2015 8:30:00 AM**Client Sample ID:** D3-6 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

**EPA METHOD 300.0: ANIONS**

Analyst: LGT

Chloride	80	30		mg/Kg	20	12/30/2015 12:44:15 PM	23002
----------	----	----	--	-------	----	------------------------	-------

**Lab ID:** 1512A57-004 **Collection Date:** 12/16/2015 8:30:00 AM**Client Sample ID:** D3-4 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

**EPA METHOD 300.0: ANIONS**

Analyst: LGT

Chloride	440	30		mg/Kg	20	12/30/2015 12:56:40 PM	23002
----------	-----	----	--	-------	----	------------------------	-------

**Lab ID:** 1512A57-005 **Collection Date:** 12/16/2015 8:30:00 AM**Client Sample ID:** D4-2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

**EPA METHOD 300.0: ANIONS**

Analyst: LGT

Chloride	1100	30		mg/Kg	20	12/30/2015 1:09:04 PM	23002
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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	Value above quantitation range
	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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order: 1512A57

Date Reported: 1/4/2016

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Souder, Miller & Associates  
**Project:** J.R. HORZ

**Lab Order:** 1512A57

**Lab ID:** 1512A57-006

**Collection Date:** 12/16/2015 8:30:00 AM

**Client Sample ID:** D4-4

**Matrix:** SOIL

<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>	<b>Batch ID</b>
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**EPA METHOD 300.0: ANIONS**

Analyst: LGT

Chloride	ND	30		mg/Kg	20	12/30/2015 1:21:29 PM	23002
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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	Value above quantitation range
	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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1512A57

04-Jan-16

**Client:** Souder, Miller & Associates

**Project:** J.R. HORZ

Sample ID	<b>MB-23002</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>23002</b>	RunNo:	<b>31168</b>					
Prep Date:	<b>12/29/2015</b>	Analysis Date:	<b>12/30/2015</b>	SeqNo:	<b>954140</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-23002</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>23002</b>	RunNo:	<b>31168</b>					
Prep Date:	<b>12/29/2015</b>	Analysis Date:	<b>12/30/2015</b>	SeqNo:	<b>954141</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	92.4	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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection 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: SMA-CARLSBAD

Work Order Number: 1512A57

RcptNo: 1

Received by/date:

*[Signature]* 12/22/15

Logged By: Ashley Gallegos

12/22/2015 9:25:00 AM

*[Signature]*

Completed By: Ashley Gallegos

12/23/2015 9:03:19 AM

*[Signature]*

Reviewed By:

IO 12/23/15

### Chain of Custody

1. Custody seals intact on sample bottles? Yes  No  Not Present
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes  No  NA
5. Were all samples received at a temperature of >0° C to 8.0°C Yes  No  NA
6. Sample(s) in proper container(s)? Yes  No
7. Sufficient sample volume for indicated test(s)? Yes  No
8. Are samples (except VOA and ONG) properly preserved? Yes  No
9. Was preservative added to bottles? Yes  No  NA
10. VOA vials have zero headspace? Yes  No  No VOA Vials
11. Were any sample containers received broken? Yes  No
12. Does paperwork match bottle labels? Yes  No
13. Are matrices correctly identified on Chain of Custody? Yes  No
14. Is it clear what analyses were requested? Yes  No
15. Were all holding times able to be met? Yes  No

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.3	Good	Yes			



# APPENDIX B

## FORM C141 INITIAL

late C-141  
Submission

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

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

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

NAB1531639135

#### OPERATOR

Initial Report  Final Report

Name of Company: COG Operating LLC <i>229137</i>	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: JR'S HORZ FEDERAL #001	Facility Type: SWD

Surface Owner: Federal	Mineral Owner:	API No. 30-015-33066
------------------------	----------------	----------------------

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	10	26S	29E	380'	North	330'	West	Eddy

Latitude 32.0632515 Longitude -103.9792099

#### NATURE OF RELEASE

Type of Release: Oil & Produced Water	Volume of Release: 44 bbls Oil ; 1310 bbls PW	Volume Recovered: 240 bbls fluid
Source of Release: Lightning Strike	Date and Hour of Occurrence: 10/21/2015 10:00 pm	Date and Hour of Discovery: 10/21/2015 10:00 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher - NMOCD / Jim Amos - BLM	
By Whom? Amanda Trujillo Davis	Date and Hour: Fri 10/23/2015 4:05 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 11 2015

RECEIVED

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
This release was caused by a lightning strike. Once the fire was extinguished, vacuum trucks were dispatched to recover all standing fluid.

Describe Area Affected and Cleanup Action Taken.\*  
This release was not contained on location. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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: <i>A Trujillo</i>	OIL CONSERVATION DIVISION	
Printed Name: Amanda Trujillo Davis	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Senior Environmental Coordinator	Approval Date: 11/12/15	Expiration Date: N/A
E-mail Address: atrujillo@concho.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/>	
Date: 11/4/2015 Phone: 575-748-6940	SUBMIT REMEDIATION PROPOSAL NO	

\* Attach Additional Sheets If Necessary

LATER THAN: 12/12/15

2RP-3386

## **Patterson, Heather, EMNRD**

---

**From:** Amanda Trujillo Davis <ATrujillo@concho.com>  
**Sent:** Wednesday, November 11, 2015 6:38 PM  
**To:** Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD; James\_Amos@blm.gov; Shelly Tucker  
**Cc:** Austin Weyant; Lucas Middleton  
**Subject:** (C-141 Initial) JR's Horz Federal #1 SWD (30-015-33066)  
**Attachments:** 10-22-2015 JRs Horz Federal #1 SWD (TB) Initial.pdf

Mr. Bratcher,

Attached is a C-141 for your consideration. Souder, Miller and Associates will be addressing this release on our behalf. Please feel to contact me if you have any additional questions or concerns.

Thank you,

### **Amanda Trujillo Davis**

Senior Environmental Coordinator  
COG Operating LLC  
Cell: 505.350.1336  
Office: 575.748.6930  
[atrujillo@concho.com](mailto:atrujillo@concho.com)

1401 Commerce Drive  
Carlsbad, NM 88220



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---

**From:** Amanda Trujillo Davis  
**Sent:** Friday, October 23, 2015 4:05 PM  
**To:** Heather Patterson; Mike.Bratcher@state.nm.us; James\_Amos@blm.gov; Shelly Tucker  
**Subject:** (Notification) JR's Horz Federal #1 SWD (30-015-33066)

Mr. Bratcher,

COG Operating LLC is reporting a release on the JR's Horz Federal #1 SWD (30-015-33066).  
Unit D Section 10, Township 26S Range 29E  
The release occurred at 9:40 pm on 10/21/2015  
Released: 44 bbls Oil ; 1,360 bbls PW  
Recovered: In Progress

The release was caused by a lightning strike resulting in a fire at the facility. The area is being evaluated and a C-141 will be submitted. If you have any additional questions please feel free to contact me.

Thank you,

**Lupe Carrasco**

Environmental Coordinator

Concho Resources

Cell: 575-725-0787

Office: 575-748-6933

[gcarrasco@concho.com](mailto:gcarrasco@concho.com)

2407 Pecos Ave.

Artesia , NM 88210



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## **Patterson, Heather, EMNRD**

---

**From:** Amanda Trujillo Davis <ATrujillo@concho.com>  
**Sent:** Friday, October 23, 2015 4:05 PM  
**To:** Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD; James\_Amos@blm.gov; Shelly Tucker  
**Subject:** (Notification) JR's Horz Federal #1 SWD (30-015-33066)

Mr. Bratcher,

COG Operating LLC is reporting a release on the JR's Horz Federal #1 SWD (30-015-33066).  
Unit D Section 10, Township 26S Range 29E  
The release occurred at 9:40 pm on 10/21/2015  
Released: 44 bbls Oil ; 1,360 bbls PW  
Recovered: In Progress

The release was caused by a lightning strike resulting in a fire at the facility. The area is being evaluated and a C-141 will be submitted. If you have any additional questions please feel free to contact me.

Thank you,

### **Lupe Carrasco**

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