



April 7, 2017

#5E25868-BG4

Mike Bratcher  
Environmental Specialist  
NMOCD District II  
1301 W Grand Ave  
Artesia, NM 88210

SUBJECT: FINAL CLOSURE REPORT FOR INCIDENT 2RP-1972, Steelers BRS State #001H, UNIT P SECTION 24-T20S-R27E NMPM, API# 30-015-39673, EDDY COUNTY, NEW MEXICO

Dear Mr. Bratcher:

On behalf of EOG Y Resources, Inc. (EOG), Souder Miller & Associates (SMA) is pleased to submit Final Closure Report summarizing the remediation of the release site located by the Steelers BRS State #001H in Eddy County, New Mexico. The purpose of this Final Closure is to obtain closure from the New Mexico Oil Conservation Division (NMOCD) for the remediation of the release that occurred on state lands on September 22, 2013.

SMA responded at the request of EOG, to assess, delineate and remediate the soils from the release of production fluids associated with Steelers BRS State #001H well location. The release was initially reported to NMOCD by Yates Petroleum Corporation, on September 22, 2013 and was a result of an equipment failure. The table below summarizes information regarding the release. Results of the assessment, delineation, and remedial activities following in the Closure Report.

Table 1: Release information and Site Ranking					
Name	Steelers BRS State #001H				
Location	Incident Number	API Number	Section, Township, Range		
	2RP-1972	30-015-39673	SE/SE (Unit P)	Section 24	T20S, R27E NMPM
Estimated Date of Release	September 22, 2013				
Date Reported to NMOCD	September 23, 2013				
Reported by	Lupe Carrasco				
Land Owner	State				
Reported To	NM Oil Conservation Division (NMOCD)				
Source of Release	Produced water tank valve				
Released Material	Produced Water and oil				
Released Volume	25 bbls of oil and 155 bbls of produced water				
Recovered Volume	22 bbls of oil and 128 bbls of produced water				
Nearest Waterway	Greater than 1,000 feet				
Depth to Groundwater	Estimated to be 75 feet				

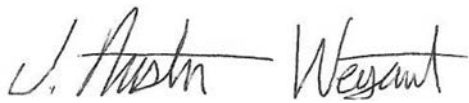


Nearest Domestic Water Source	Greater than 1,000 feet
NMOCD Ranking	10
SMA Response Dates	Initial: 03/06/2017

A copy of the C-141 Initial is attached 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 FINAL CLOSURE REPORT FOR INCIDENT 2RP-1972 EOG Y RESOURCES, INC.

STEELERS BRS STATE #001H  
UL P, SECTION 24, T20S R27E, NMPM  
API #30-015-39673  
EDDY COUNTY, NM



Prepared for:  
EOG Y Resources, Inc.  
105 South Fourth Street  
Artesia, NM 88210

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

April 7, 2017  
SMA Reference  
5E25868 BG4

# Table of Contents

1.0	Introduction.....	1
2.0	Site Ranking, Land Status, and Jurisdiction .....	1
3.0	Assessment and Initial Results .....	1
4.0	Soil Remediation Summary .....	1
5.0	Conclusions and Recommendations.....	1
6.0	Closure and Limitations.....	2

## Figures:

Figure 1: Vicinity Map

Figure 2: Detailed Site and Sample Location 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 Final



## **1.0 Introduction**

On behalf of EOG Y Resources, Inc. (EOG), Souder, Miller & Associates (SMA) has prepared this report that describes the assessment, initial delineation and remediation actions for a release associated with the Steelers BRS State #001H location API# 30-015-39679. The site is in Section 24, Township 20S, Range 27E NMPM, Eddy County, New Mexico, on state lands. Figure 1 illustrates the vicinity and location of the site.

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

The release site is located approximately 3.2 miles north of Lake Avalon, with an elevation of approximately 3,349 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be 75 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well database for water wells in the vicinity of the release. Eighteen wells are located within a three-mile radius of the site. These wells show groundwater at about 30 feet bgs, but the elevational difference puts groundwater at location at 75 feet bgs. Figure 1 depicts the site vicinity and OSE well depths, and Figure 2 shows the site itself. The physical location of this release is on private property and is within the jurisdiction of NMOCD.

Based on the NMOCD Guidelines Ranking Criteria, this release location has been assigned an NMOCD ranking of 10 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 1,000 ppm total petroleum hydrocarbons (TPH). Table 1 illustrates the site ranking rationale.

## **3.0 Assessment and Initial Results**

In 2013, immediately after the release, Yates Petroleum field personnel had the impacted soils sampled. The potentially affected area was found to be approximately 1000 feet long and 40 feet wide. Five locations were sampled. P1 and P2 on the pad, R1 and R2 on the lease road, and SW1 on the adjacent well pad. Impacted soils were then scraped and hauled off to an OCD approved facility. On March 6, 2017, SMA field personnel returned to the site to assess the site area using a mobile chlorides titration kit EPA method 9045D meter. Site delineation samples were taken to depths of two feet bgs. All samples were collected and processed according to NMOCD soil sampling procedures and sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for Total Chlorides using EPA Method 300.0.

## **4.0 Soil Remediation Summary**

On March 6, 2017 SMA field personnel sampled the Steelers BRS State #001 at sample locations that previously showed elevated chlorides. Sampling was designed to confirm that the Yates/EOG efforts of 2013 had removed impacted soils. Table 2 illustrates both the Yates 2013 sampling as well as SMA confirmation samples.

## **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 10: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 1,000 ppm TPH.

Laboratory analytical results for the closure sample collected on October 8, 2013 were below NMOCD closure standards for benzene, BTEX, and TPH. Closure samples collected by SMA for chlorides ranged from 30 mg/Kg to 550 mg/Kg.

No further remedial activities are recommended. Soil sample locations are illustrated in Figure 2. A summary of laboratory analytical results is included in Table 2. Laboratory reports are included in Appendix A.

## **6.0 Closure and Limitations**

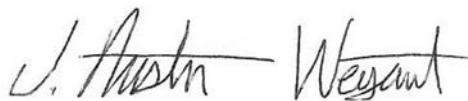
The scope of our services consisted of the performance of release assessment, initial delineation sampling and field screening, verification of release stabilization, regulatory liaison, and preparation of this Closure Plan. All work has been performed in accordance with generally accepted professional 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 Shawna Chubbuck at 970-565-4465 ext. 1504.

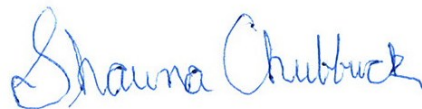
Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES



Austin Weyant  
Project Scientist



Shawna Chubbuck  
Senior Scientist

### **Figures:**

Figure 1: Vicinity Map

Figure 2: Site and Sample Location 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 Final

# FIGURE 1 VICINITY MAP

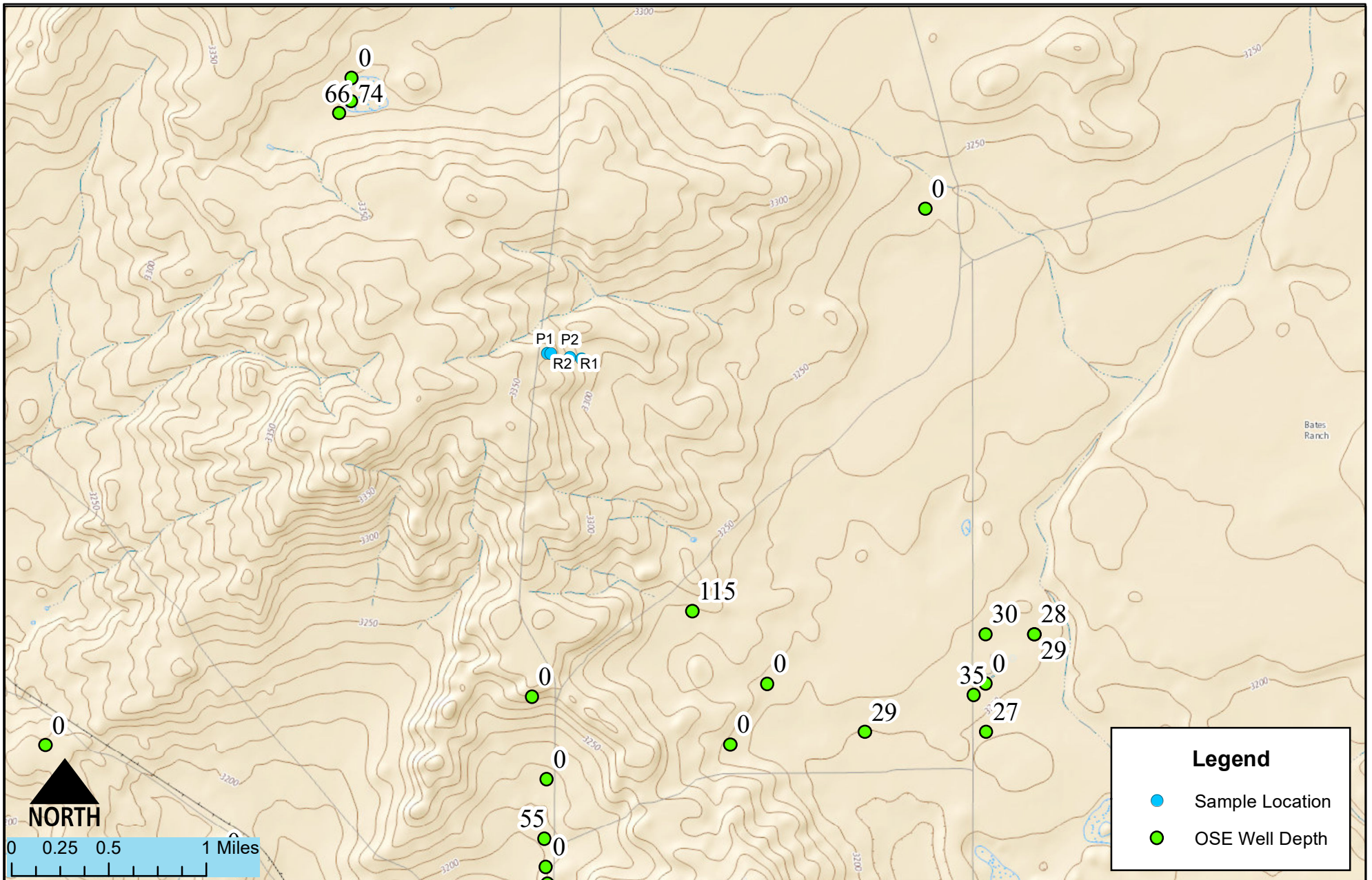


Figure 1

Date Saved:  
3/20/2017

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

Copyright 2015 Souder, Miller & Associates - All Rights Reserved

Drawn **Heather Patterson**  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

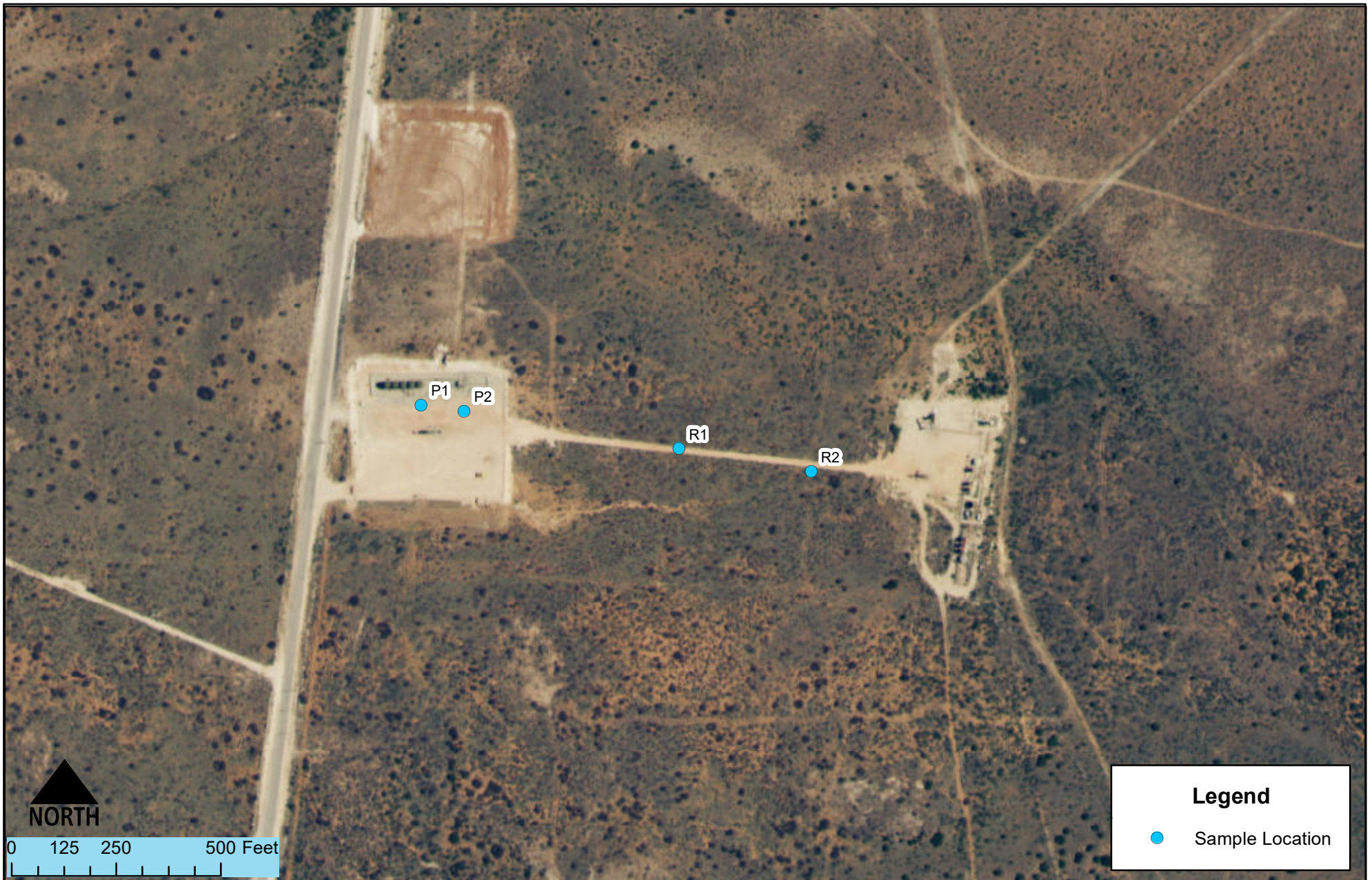


201 South Halaguena Street  
 Carlsbad, New Mexico 88221  
 (575) 689-7040  
 www.soudermiller.com  
 Serving the Southwest & Rocky Mountains

**FIGURE 2**

**DETAILED SITE AND SAMPLE  
LOCATION MAP**





Sample Location Map  
 Steelers BRS State #1 - EOG  
 S 24-T20S-R27E, New Mexico

Figure 2

Date Saved:  
 3/20/2017

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

Copyright 2015 Souder, Miller & Associates - All Rights Reserved

Drawn	<u>Heather Patterson</u>
Checked	_____
Approved	_____



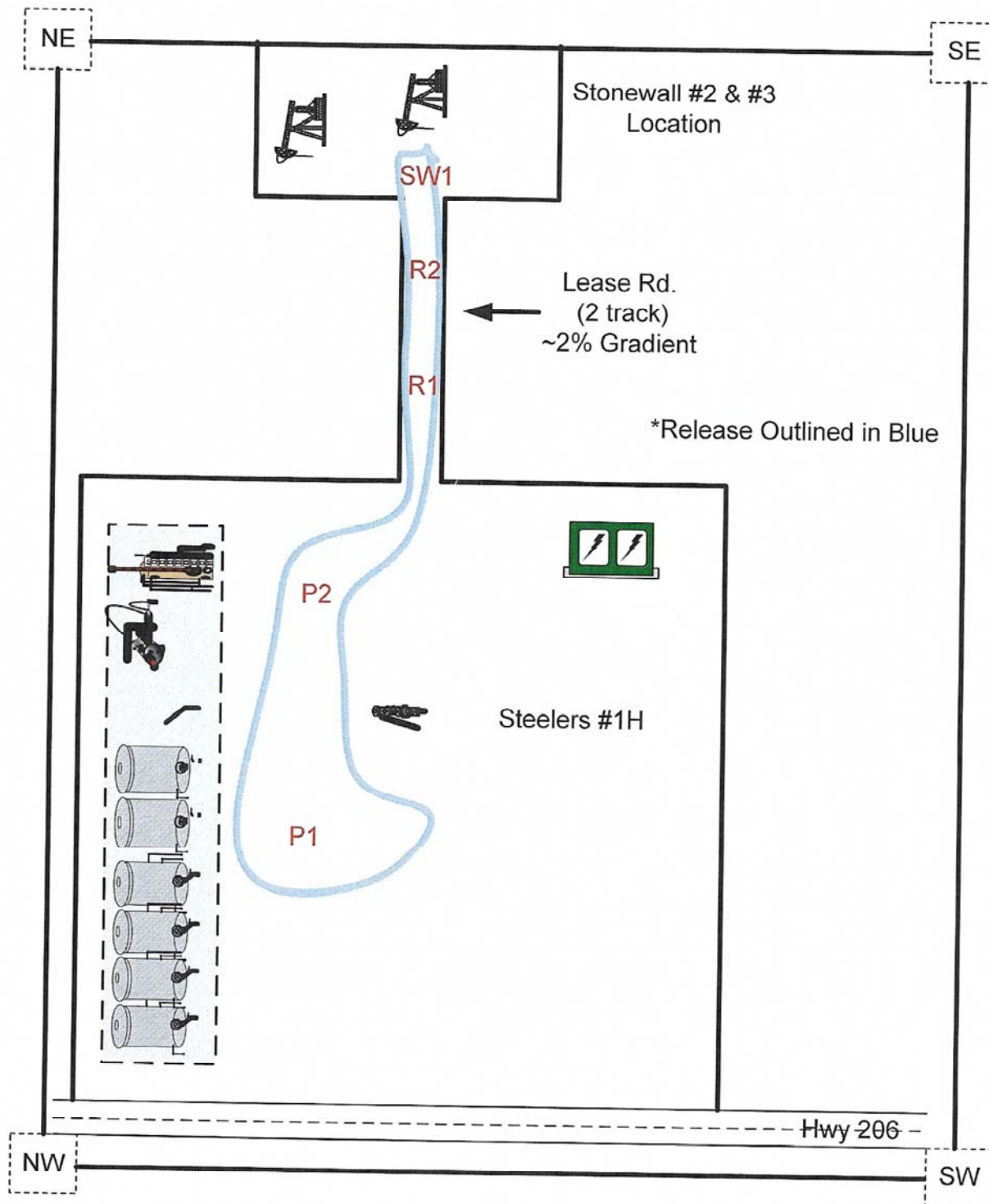
201 South Halaguena Street  
 Carlsbad, New Mexico 88221  
 (575) 689-7040  
[www.soudermiller.com](http://www.soudermiller.com)  
 Serving the Southwest & Rocky Mountains



# YATES PETROLEUM CORPORATION

Monday, December 02, 2013

## Steelers BRS State #1H



# TABLE 1

## RELEASE INFORMATION AND SITE RANKING



EOG Y Resources  
Table 2: Site Ranking

Steelers BRS State #1  
Produced Water Release  
3/26/2017

Site Ranking Determination Table

Site Ranking Determination Table			
Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	10	USGS Topo Maps; Google Earth , NMOSE database	average depth of ground water is 75 feet bgs
50' to 99' = 10			
>100' = 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 ; ArcMap	nearset surface water 3.2 miles north of Lake Avalon
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 1 mile from location
	0		
Total Site Ranking	10		
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM



# TABLE 2

## SUMMARY OF LABORATORY ANALYSES

## Summary of Laboratory Analyses

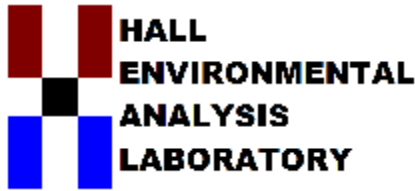
Table 2.

Sample Number on Figure 2	Sample Date	Depth (feet bgs)	Proposed Action	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Total TPH mg/Kg	Cl- Field Screens (ppm)	Cl- Laboratory mg/Kg
NMOCD RRAL's for Site Ranking 10				50 mg/Kg	10 mg/Kg			1000 mg/Kg		
SW1	10/8/2013	1	in-situ	<0.3	<0.05	<10	<10	<20	--	400
	10/8/2013	2	in-situ	<.3	<0.05	<10	<10	<20	--	244
R1	10/8/2013	1	in-situ	<.3	<0.05	<10	<10	<20	--	80
	10/8/2013	2	in-situ	<.3	<0.05	<10	<10	<20	--	304
	3/6/2017	1	in-situ	--	--	--	--	--	--	550
R2	10/8/2013	1	excavated	<.3	<0.05	<10	<10	<20	--	4080
	10/8/2013	2	in-situ	<.3	<0.05	<10	<10	<20	--	80
	10/8/2013	3	in-situ	<.3	<0.05	<10	<10	<20	--	176
	3/6/2017	1	in-situ	--	--	--	--	--	--	110
	3/6/2017	2	in-situ	--	--	--	--	--	--	140
P1	10/8/2017	1	excavated	<.3	<0.05	<10	<10	<20	--	976
	10/8/2017	2	excavated	<.3	<0.05	<10	<10	<20	--	2240
	10/8/2017	3	excavated	<.3	<0.05	<10	<10	<20	--	2920
	3/6/2017	1	in-situ	--	--	--	--	--	--	<30
	8/30/2017	2	in-situ	--	--	--	--	--	986	--
	8/30/2017	3	in-situ	--	--	--	--	--	678	--
P2	10/3/2013	1	in-situ	<.3	<0.05	<10	<10	<20	--	272
	10/3/2013	2	in-situ	<.3	<0.05	<10	<10	<20	--	320
	3/6/2017	1	in-situ	--	--	--	--	--	--	590
BG	3/6/2017	0.5	in-situ	--	--	--	--	--	--	<30

"--" = Not Analyzed

# 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)

March 27, 2017

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

RE: EOG Steelers State 1H

OrderNo.: 1703596

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/11/2017 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued March 24, 2017.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order: 1703596

Date Reported: 3/27/2017

**CLIENT:** Souder, Miller & Associates  
**Project:** EOG Steelers State 1H

**Lab Order:** 1703596

**Lab ID:** 1703596-003

**Collection Date:** 3/6/2017

**Client Sample ID:** R1-1

**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Chloride	550	30		mg/Kg	20	3/17/2017 12:05:51 PM	30754

**Lab ID:** 1703596-004

**Collection Date:** 3/6/2017

**Client Sample ID:** R2-1

**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Chloride	110	30		mg/Kg	20	3/17/2017 12:18:15 PM	30754

**Lab ID:** 1703596-005

**Collection Date:** 3/6/2017

**Client Sample ID:** R2-2

**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Chloride	140	30		mg/Kg	20	3/17/2017 12:30:40 PM	30754

**Lab ID:** 1703596-006

**Collection Date:** 3/6/2017

**Client Sample ID:** P1-1

**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Chloride	ND	30		mg/Kg	20	3/17/2017 12:43:04 PM	30754

**Lab ID:** 1703596-007

**Collection Date:** 3/6/2017

**Client Sample ID:** P2-1

**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Chloride	590	30		mg/Kg	20	3/17/2017 12:55:29 PM	30754

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	W	Sample container temperature is out of limit as specified

**Analytical Report**Lab Order: **1703596**Date Reported: **3/27/2017****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Souder, Miller & Associates  
**Project:** EOG Steelers State 1H**Lab Order:** 1703596**Lab ID:** 1703596-008**Collection Date:** 3/6/2017**Client Sample ID:** BG-0.5**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	3/17/2017 1:07:54 PM	30754

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	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1703596

27-Mar-17

Client: Souder, Miller &amp; Associates

Project: EOG Steelers State 1H

Sample ID	MB-30754		SampType:	mblk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	30754		RunNo:	41494				
Prep Date:	3/17/2017		Analysis Date:	3/17/2017		SeqNo:	1301123		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-30754		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 30754		RunNo: 41494					
Prep Date:	3/17/2017		Analysis Date: 3/17/2017		SeqNo: 1301124		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	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  
W Sample container temperature is out of limit as specified





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: 1703596

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

3/11/2017 8:15:00 AM

Completed By: Lindsay Mangin

3/13/2017 9:25:33 AM

Reviewed By:

### 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  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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?  
(Note discrepancies on chain of custody) 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?  
(If no, notify customer for authorization.) 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: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	17.8	Good	Not Present			





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

October 10, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: STEELERS BRS #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/07/13 13:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/07/2013  
Reported: 10/10/2013  
Project Name: STEELERS BRS #1H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 10/03/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: P1-1' (H302423-01)**

BTEX 8021B			mg/kg						
			Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2013	ND	1.90	94.8	2.00	0.414	
Toluene*	<0.050	0.050	10/08/2013	ND	1.90	94.8	2.00	0.152	
Ethylbenzene*	<0.050	0.050	10/08/2013	ND	1.93	96.5	2.00	0.113	
Total Xylenes*	<0.150	0.150	10/08/2013	ND	5.83	97.2	6.00	0.0192	
Total BTEX	<0.300	0.300	10/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 89.4-126

Chloride, SM4500Cl-B			mg/kg						
			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	10/08/2013	ND	400	100	400	3.92	

TPH 8015M			mg/kg						
			Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2013	ND	192	95.8	200	0.902	
DRO >C10-C28	<10.0	10.0	10/07/2013	ND	181	90.4	200	0.0160	

Surrogate: 1-Chlorooctane 95.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/07/2013  
Reported: 10/10/2013  
Project Name: STEELERS BRS #1H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 10/03/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: P1-2' (H302423-02)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2013	ND	1.90	94.8	2.00	0.414	
<b>Toluene*</b>	<b>0.060</b>	0.050	10/08/2013	ND	1.90	94.8	2.00	0.152	
Ethylbenzene*	<0.050	0.050	10/08/2013	ND	1.93	96.5	2.00	0.113	
Total Xylenes*	<0.150	0.150	10/08/2013	ND	5.83	97.2	6.00	0.0192	
Total BTEX	<0.300	0.300	10/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 121 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2240</b>	16.0	10/08/2013	ND	400	100	400	3.92	

**TPH 8015M**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2013	ND	192	95.8	200	0.902	
DRO >C10-C28	<10.0	10.0	10/07/2013	ND	181	90.4	200	0.0160	

Surrogate: 1-Chlorooctane 81.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.2 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/07/2013  
Reported: 10/10/2013  
Project Name: STEELERS BRS #1H  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 10/03/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: P1-3' (H302423-03)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2013	ND	1.90	94.8	2.00	0.414	
<b>Toluene*</b>	<b>0.058</b>	0.050	10/08/2013	ND	1.90	94.8	2.00	0.152	
Ethylbenzene*	<0.050	0.050	10/08/2013	ND	1.93	96.5	2.00	0.113	
Total Xylenes*	<0.150	0.150	10/08/2013	ND	5.83	97.2	6.00	0.0192	
Total BTEX	<0.300	0.300	10/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 122 % 89.4-126

**Chloride, SM4500CI-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2920</b>	16.0	10/08/2013	ND	400	100	400	3.92	

**TPH 8015M**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2013	ND	192	95.8	200	0.902	
DRO >C10-C28	<10.0	10.0	10/07/2013	ND	181	90.4	200	0.0160	

Surrogate: 1-Chlorooctane 81.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 10/07/2013  
 Reported: 10/10/2013  
 Project Name: STEELERS BRS #1H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 10/03/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: P2-1' (H302423-04)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2013	ND	1.90	94.8	2.00	0.414	
<b>Toluene*</b>	<b>0.119</b>	0.050	10/08/2013	ND	1.90	94.8	2.00	0.152	
Ethylbenzene*	<0.050	0.050	10/08/2013	ND	1.93	96.5	2.00	0.113	
Total Xylenes*	<0.150	0.150	10/08/2013	ND	5.83	97.2	6.00	0.0192	
Total BTEX	<0.300	0.300	10/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>272</b>	16.0	10/08/2013	ND	400	100	400	3.92	

**TPH 8015M**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2013	ND	192	95.8	200	0.902	
DRO >C10-C28	<10.0	10.0	10/07/2013	ND	181	90.4	200	0.0160	

Surrogate: 1-Chlorooctane 82.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.2 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 10/07/2013  
 Reported: 10/10/2013  
 Project Name: STEELERS BRS #1H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 10/03/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: P2-2' (H302423-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2013	ND	1.90	94.8	2.00	0.414	
Toluene*	<0.050	0.050	10/08/2013	ND	1.90	94.8	2.00	0.152	
Ethylbenzene*	<0.050	0.050	10/08/2013	ND	1.93	96.5	2.00	0.113	
Total Xylenes*	<0.150	0.150	10/08/2013	ND	5.83	97.2	6.00	0.0192	
Total BTEX	<0.300	0.300	10/08/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 121 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/08/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/07/2013	ND	192	95.8	200	0.902	
DRO >C10-C28	<10.0	10.0	10/07/2013	ND	181	90.4	200	0.0160	

Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

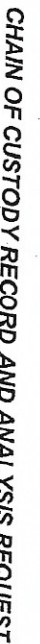
\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager



Page 8 of 8

72 hrs	
--------	--

SH TAT (Pre-Schedule) 24

				RU
				Sta


Z

NON

©





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

October 14, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: STEELERS BRS #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/09/13 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/09/2013  
Reported: 10/14/2013  
Project Name: STEELERS BRS #1H  
Project Number: 103-163  
Project Location: NOT GIVEN

Sampling Date: 10/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R1-1' (H302445-01)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2013	ND	2.04	102	2.00	0.908	
<b>Toluene*</b>	<b>0.186</b>	0.050	10/11/2013	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	10/11/2013	ND	2.08	104	2.00	0.252	
Total Xylenes*	<0.150	0.150	10/11/2013	ND	6.17	103	6.00	0.172	
Total BTEX	<0.300	0.300	10/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.4 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	10/11/2013	ND	400	100	400	3.92	

**TPH 8015M**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2013	ND	194	96.8	200	4.49	
DRO >C10-C28	<10.0	10.0	10/10/2013	ND	188	94.1	200	2.47	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/09/2013  
Reported: 10/14/2013  
Project Name: STEELERS BRS #1H  
Project Number: 103-163  
Project Location: NOT GIVEN

Sampling Date: 10/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R1-2' (H302445-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2013	ND	2.04	102	2.00	0.908		
<b>Toluene*</b>	<b>0.064</b>	0.050	10/11/2013	ND	2.06	103	2.00	0.355		
Ethylbenzene*	<0.050	0.050	10/11/2013	ND	2.08	104	2.00	0.252		
Total Xylenes*	<0.150	0.150	10/11/2013	ND	6.17	103	6.00	0.172		
Total BTEX	<0.300	0.300	10/11/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.5 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/11/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2013	ND	194	96.8	200	4.49	
DRO >C10-C28	<10.0	10.0	10/10/2013	ND	188	94.1	200	2.47	

Surrogate: 1-Chlorooctane 96.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.8 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/09/2013  
Reported: 10/14/2013  
Project Name: STEELERS BRS #1H  
Project Number: 103-163  
Project Location: NOT GIVEN

Sampling Date: 10/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R2-1' (H302445-03)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2013	ND	2.04	102	2.00	0.908	
<b>Toluene*</b>	<b>0.095</b>	0.050	10/11/2013	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	10/11/2013	ND	2.08	104	2.00	0.252	
Total Xylenes*	<0.150	0.150	10/11/2013	ND	6.17	103	6.00	0.172	
Total BTEX	<0.300	0.300	10/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.0 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4080</b>	16.0	10/11/2013	ND	400	100	400	3.92	

**TPH 8015M**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2013	ND	194	96.8	200	4.49	
DRO >C10-C28	<10.0	10.0	10/10/2013	ND	188	94.1	200	2.47	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/09/2013  
Reported: 10/14/2013  
Project Name: STEELERS BRS #1H  
Project Number: 103-163  
Project Location: NOT GIVEN

Sampling Date: 10/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R2-2' (H302445-04)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2013	ND	2.04	102	2.00	0.908	
<b>Toluene*</b>	<b>0.292</b>	0.050	10/11/2013	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	10/11/2013	ND	2.08	104	2.00	0.252	
Total Xylenes*	<0.150	0.150	10/11/2013	ND	6.17	103	6.00	0.172	
Total BTEX	<0.300	0.300	10/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.3 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	10/11/2013	ND	432	108	400	7.69	

**TPH 8015M**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2013	ND	194	96.8	200	4.49	
DRO >C10-C28	<10.0	10.0	10/10/2013	ND	188	94.1	200	2.47	

Surrogate: 1-Chlorooctane 92.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.1 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/09/2013  
Reported: 10/14/2013  
Project Name: STEELERS BRS #1H  
Project Number: 103-163  
Project Location: NOT GIVEN

Sampling Date: 10/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R2-3' (H302445-05)**

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2013	ND	2.04	102	2.00	0.908		
<b>Toluene*</b>	<b>0.148</b>	0.050	10/11/2013	ND	2.06	103	2.00	0.355		
Ethylbenzene*	<0.050	0.050	10/11/2013	ND	2.08	104	2.00	0.252		
Total Xylenes*	<0.150	0.150	10/11/2013	ND	6.17	103	6.00	0.172		
Total BTEX	<0.300	0.300	10/11/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.8 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>Chloride</b>	<b>176</b>	16.0	10/11/2013	ND	432	108	400	7.69			

TPH 8015M			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	10/10/2013	ND	194	96.8	200	4.49			
DRO >C10-C28	<10.0	10.0	10/10/2013	ND	188	94.1	200	2.47			

Surrogate: 1-Chlorooctane 84.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.5 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/09/2013  
Reported: 10/14/2013  
Project Name: STEELERS BRS #1H  
Project Number: 103-163  
Project Location: NOT GIVEN

Sampling Date: 10/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SW-1' (H302445-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/11/2013	ND	2.04	102	2.00	0.908		
<b>Toluene*</b>	<b>0.192</b>	0.050	10/11/2013	ND	2.06	103	2.00	0.355		
Ethylbenzene*	<0.050	0.050	10/11/2013	ND	2.08	104	2.00	0.252		
Total Xylenes*	<0.150	0.150	10/11/2013	ND	6.17	103	6.00	0.172		
Total BTEX	<0.300	0.300	10/11/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.6 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/11/2013	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2013	ND	194	96.8	200	4.49	
DRO >C10-C28	<10.0	10.0	10/10/2013	ND	188	94.1	200	2.47	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/09/2013  
Reported: 10/14/2013  
Project Name: STEELERS BRS #1H  
Project Number: 103-163  
Project Location: NOT GIVEN

Sampling Date: 10/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SW-2' (H302445-07)**
**BTEX 8021B**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2013	ND	2.04	102	2.00	0.908	
<b>Toluene*</b>	<b>0.128</b>	0.050	10/11/2013	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	10/11/2013	ND	2.08	104	2.00	0.252	
Total Xylenes*	<0.150	0.150	10/11/2013	ND	6.17	103	6.00	0.172	
Total BTEX	<0.300	0.300	10/11/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.4 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	10/11/2013	ND	432	108	400	7.69	

**TPH 8015M**

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2013	ND	194	96.8	200	4.49	
DRO >C10-C28	<10.0	10.0	10/10/2013	ND	188	94.1	200	2.47	

Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.1 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager





ARDINAL LABORATORIES  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4360

Sampler Signature: *Lupe Carrasco*

Fax No:

e-mail: lcarrasco@yatespetroleum.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #: 103-163

Project Name:

Steelers BRS #11H

Project #:

Project Loc:

(lab use only)

ORDER #: H302445

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO<sub>3</sub>

HCl

H<sub>2</sub>SO<sub>4</sub>

NaOH

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO<sub>4</sub>, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides

SAR

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO <sub>4</sub> , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	R1-1'																			X													
2	R1-2'																			X													
3	R2-1'																			X													
4	R2-2'																			X													
5	R2-3'																			X													
6	SW-1'																			X													
7	SW-2'																			X													

Special Instructions:

Relinquished by:

Date

Time

Received by:

*Lupe Carrasco*

Date

Time

Laboratory Comments:

Sample Containers Intact?

VOCS Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered by Sampler/Client Rep.?

by Courier? UPS DHL FedEx Lone Star

Relinquished by:

Date

Time

Received by:

*Lupe Carrasco*

Date

Time

Laboratory Comments:

Sample Containers Intact?

VOCS Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered by Sampler/Client Rep.?

by Courier? UPS DHL FedEx Lone Star

Relinquished by:

Date

Time

Received by:

*Lupe Carrasco*

Date

Time

Laboratory Comments:

Sample Containers Intact?

VOCS Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered by Sampler/Client Rep.?

by Courier? UPS DHL FedEx Lone Star

#54

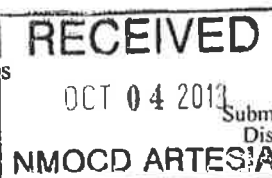
# APPENDIX B

## FORM C141

### INITIAL AND FINAL

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003  
Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

NJM 1328031435

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Lupe Carrasco
Address 104 S. 4 <sup>TH</sup> Street		Telephone No. 575-748-1471
Facility Name Steelers BRS State #1H	API Number 30-015-39673	Facility Type Battery

Surface Owner State	Mineral Owner State	Lease No. VB-1077
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	24	20S	27E	650	South	200	East	Eddy

Latitude 32.55339 Longitude -104.22626

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 25 B/O; 155 B/PW	Volume Recovered 22 B/O; 128 B/PW
Source of Release Produced Water Tank Valve	Date and Hour of Occurrence 9/22/2013 After 8 pm	Date and Hour of Discovery 9/23/2013 AM
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 II (email)	
By Whom? Bob Asher, Yates Petroleum Corporation	Date and Hour 9/23/2013 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*

Cause of release is suspected from an unauthorized individual(s) opening a valve on the produced water tank. Vacuum trucks were dispatched. Backhoe dispatched to scrape impacted area.

Describe Area Affected and Cleanup Action Taken.\*

An approximate area of 40' X 1000'. Impacted soils to be scraped up and taken to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX, Chlorides will be run for documentation. If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted. Depth to Ground Water: <100' (approximately 75', Section 24-T20S-R27E, per Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10.

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.

OIL CONSERVATION DIVISION

Signature: *Lupe Carrasco*

Printed Name: Lupe Carrasco

Title: Environmental Regulatory Agent

E-mail Address: lcarrasco@yatespetroleum.com

Date: Friday, October 04, 2013

Phone: 575-748-1471

Approved by District Supervisor:

OCT 07 2013

Approval Date:

Expiration Date:

Conditions of Approval:

Remediation per OCD Rule &  
Guidelines. SUBMIT REMEDIATION

Attached ☐

PROPOSAL NO LATER THAN:

November 7, 2013

2RP-1972

\* Attach Additional Sheets If Necessary



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 April 3, 2017

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	EOG Resources	Contact	Zane Kurtz
Address	5509 Champions Dr, Midland, TX 79706	Telephone No.	432-686-3667
Facility Name	Steelers BRS State #1 H	Facility Type	Battery
Surface Owner	State	Mineral Owner	State
		API No.	30-015-39673

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	24	20S	27E	650	South	200	East	Eddy
Latitude				32.55339	Longitude		104.22626	NAD83

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	25bbl/O; 155bbl	Volume Recovered	22bbl/oil 128bbl/pw
Source of Release	produced water tank valve	Date and Hour of Occurrence	9/22/13	Date and Hour of Discovery	9/23/2013
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Mike Bratcher				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date and Hour 9/23/2013			
If YES, Volume Impacting the Watercourse.					

If a Watercourse was Impacted, Describe Fully.\*

N/A

Describe Cause of Problem and Remedial Action Taken.\*

Cause of Release is suspected from an unauthorized individual opening a valve on the produced water tank. Vacuum trucks were dispatched. Backhoe dispatched to scrape impacted area.

Describe Area Affected and Cleanup Action Taken.\*

An approximate area of 40' x 1000'. Impacted soils scraped and taken to NMOCD approved facility. All work completed as per NMOCD approved work plan.

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.

OIL CONSERVATION DIVISION

Signature:

*Zane Kurtz*

Printed Name: Zane Kurtz

Approved by Environmental Specialist:

Title: *SR. Environmental Rep*

Approval Date:

Expiration Date:

E-mail Address: Zane\_Kurtz@eogresources.com

Conditions of Approval:

Date: 8/23/2017

Phone: 432-686-3667

Attached ☐

\* Attach Additional Sheets If Necessary

2RP-1972