MARTIN YATES, III

FRANK W. YATES 1936-1986

5.P YATES



# 105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.yatespetroleum.com

JOHN A. YATES CHAIRMAN EMERITUS

JOHN A. YATES JR.

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PRESIDENT
CHIEF EXECUTIVE OFFICER

JOHN D. PERINI EXECUTIVE VICE PRESIDENT CHIEF FINANCIAL OFFICER

JAMES S. BROWN

October 22, 2015

Mr. Mike Bratcher/Mrs. Heather Patterson NMOCD District II 811 S. First St. Artesia, NM 88210

Re:

**Unocal AHU Federal Battery** 

30-015-26698

Section 1, T22S-R31E Eddy County, New Mexico

Mr. Bratcher/Mrs. Patterson,

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated June 18, 2015.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after November 1, 2015.

If you have any questions, feel free to call me at (575) 748-4171

Thank you.

YATES PETROLEUM CORPORATION

Chase Settle Environmental Regulatory Agent

Enclosure(s)

# Yates Petroleum Corporation

Unocal AHU Federal Battery Work Plan

Section 1, T22S-R31E

**Eddy County, New Mexico** 

October 22, 2015

2RP-3060

### I. Location

Take County Road 29 (Campbell Road) south from HWY 62/180 for 10 miles then turn right, location is 1 mile up on the south side of the road.

# II. Background

On June 18, 2015, Yates Petroleum Corporation submitted to the NMOCD District II office a Form C-141 for the release of 10 B/PW with 10 B/PW recovered. The total affected area is approximately 80 feet by 80 feet outside of the battery berm to the south. The release was caused by the failure of a poly flow line. Initial delineation samples were taken in the A, B, and C release areas (6/23/2015) and sent to a NMOCD approved laboratory (7/2/2015, results enclosed). Further sampling was conducting in the A and C release areas (7/17/2015) and sent to a NMOCD approved laboratory (7/31/2015, results enclosed). Additional sampling occurred of the C release area (8/14/2015) and sent to a NMOCD approved laboratory (8/25/2015, results enclosed).

#### III. Surface and Ground Water

Area surface geology is Cenozoic Quaternary. The ChevronTexaco Trend Map displays at this location (Section 1, T22S-R31E) that depth to groundwater is approximately 150' feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is zero (0) based on the as following:

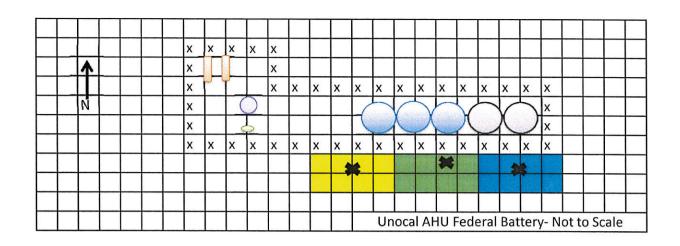
Depth to ground water > 100'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

### IV. Soils

The area consists of soils that are sandy top soil with clay seams and caliche found beneath, providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

## V. Scope of Work

Based on enclosed analytical results, the depth to groundwater (150'), and a decrease in chlorides, Yates Petroleum Corporation will excavate two (2) feet in the A, B, and C areas, hauling the excavated soils to a NMOCD approved facility. Yates Petroleum Corporation will then backfill the excavated areas with two (2) feet of similar topsoil allowing for the repopulation of vegetation which will add an additional layer of protection against groundwater contamination. To assist with the repopulation of vegetation, Yates Petroleum Corporation will reseed the area with the appropriate BLM Grass Seed Mix. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0), no further analytical testing of TPH and/or BTEX will be conducted (all chloride analytical results are for documentation). When remediation work is completed a C-141, Final Report, will be submitted to the NMOCD requesting closure of the site.





Site Ranking is Zero (0). >100' (150', Section 1, T22S-R31E, Trend Map All results are ppm. Chlorides for documentation Released: 10 B/PW; Recovered: 10 B/PW Release Date: 6/3/2015

ID	Analysis	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
A-1.0	1506B87	Release Area	6/23/2015	Hand Auger	1'	ND	ND	ND	4800
A-2.0	1506B87	Release Area	6/23/2015	Hand Auger	2'	ND	ND	ND:	6100
A-3.0	1507B81	Release Area	7/17/2015	Backhoe	3'	N/A	N/A	N/A	750
A-4.0	1507B81	Release Area	7/17/2015	Backhoe	4'	N/A	N/A	N/A	270
A-5.0	1507B81	Release Area	7/17/2015	Backhoe	5'	N/A	N/A	N/A	ND
A-6.0	1507B81	Release Area	7/17/2015	Backhoe	6'	N/A	N/A	N/A	ND
B-1.0	1506B87	Release Area	6/23/2015	Hand Auger	1'	ND	ND	25	3500
B-2.0	1506B87	Release Area	6/23/2015	Hand Auger	2'	ND	ND	ND	5900
B-3.0	1506B87	Release Area	6/23/2015	Hand Auger	3'	ND	ND	ND	250
C-0.25	1506B87	Release Area	6/23/2015	Hand Auger	0.25'	ND	ND	ND	9500
C-1.0	1506B87	Release Area	6/23/2015	Hand Auger	1'	ND	ND	ND	10000
C-2.0	1506B87	Release Area	6/23/2015	Hand Auger	2'	ND	ND	ND	12000
C-3.0	1507B81	Release Area	7/17/2015	Backhoe	3'	N/A	N/A	N/A	1800
C-4.0	1507B81	Release Area	7/17/2015	Backhoe	4'	N/A	N/A	N/A	2600
C-5.0	1507B81	Release Area	7/17/2015	Backhoe	5'	N/A	N/A	N/A	740
C-6.0	1507B81	Release Area	7/17/2015	Backhoe	6'	N/A	N/A	N/A	2100
C-7.0	H502166	Release Area	8/14/2015	Backhoe	7'	N/A	N/A	N/A	176
C-8.0	H502166	Release Area	8/14/2015	Backhoe	8'	N/A	N/A	N/A	64
C-9.0	H502166	Release Area	8/14/2015	Backhoe	9'	N/A	N/A	N/A	64
C-10.0	H502166	Release Area	8/14/2015	Backhoe	10'	N/A	N/A	N/A	<16.0



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

July 02, 2015

Chase Settle
Yates Petroleum
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4195

**FAX** 

RE: Unocal AHU Federal #1

OrderNo.: 1506B87

## Dear Chase Settle:

Hall Environmental Analysis Laboratory received 9 sample(s) on 6/25/2015 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

# Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: A 0.25

Project: Unocal AHU Federal #1

Collection Date: 6/23/2015 8:25:00 AM

Lab ID:

1506B87-001

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: LGT
Chloride	4100	150	mg/Kg	100	7/1/2015 11:56:37 AM	20027
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	3			Analys	: KJH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/26/2015 9:56:22 AM	19953
Surr: DNOP	106	57.9-140	%REC	1	6/26/2015 9:56:22 AM	19953
EPA METHOD 8015D: GASOLINE RANG	SE.				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/26/2015 5:00:41 PM	19943
Surr: BFB	86.9	75.4-113	%REC	1	6/26/2015 5:00:41 PM	19943
<b>EPA METHOD 8021B: VOLATILES</b>					Analys	: NSB
Benzene	ND	0.049	mg/Kg	1	6/26/2015 5:00:41 PM	19943
Toluene	ND	0.049	mg/Kg	1	6/26/2015 5:00:41 PM	19943
Ethylbenzene	ND	0.049	mg/Kg	1	6/26/2015 5:00:41 PM	19943
Xylenes, Total	ND	0.099	mg/Kg	1	6/26/2015 5:00:41 PM	19943
Surr: 4-Bromofluorobenzene	91.1	80-120	%REC	1	6/26/2015 5:00:41 PM	19943

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

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit

Page 1 of 13

- Sample pH Not In Range P
- RL Reporting Detection Limit

Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Yates Petroleum

Client Sample ID: A 1.0

Project: Uno

Unocal AHU Federal #1

Collection Date: 6/23/2015 8:30:00 AM

Lab ID:

1506B87-002

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	4800	150	mg/Kg	100	7/1/2015 12:09:01 PM	20027
EPA METHOD 8015M/D: DIESEL RAM	GE ORGANIC	S			Analyst	: KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/26/2015 11:09:46 AM	19953
Surr: DNOP	106	57.9-140	%REC	1	6/26/2015 11:09:46 AM	19953
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/26/2015 10:45:23 PM	19943
Surr: BFB	84.4	75.4-113	%REC	1	6/26/2015 10:45:23 PM	19943
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.050	mg/Kg	1	6/26/2015 10:45:23 PM	19943
Toluene	ND	0.050	mg/Kg	1	6/26/2015 10:45:23 PM	19943
Ethylbenzene	ND	0.050	mg/Kg	1	6/26/2015 10:45:23 PM	19943
Xylenes, Total	ND	0.099	mg/Kg	1	6/26/2015 10:45:23 PM	19943
Surr: 4-Bromofluorobenzene	85.8	80-120	%REC	1	6/26/2015 10:45:23 PM	19943

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

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 13

- P Sample pH Not In Range
- RL Reporting Detection Limit

# Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Yates Petroleum

Client Sample ID: A 2.0

Project:

: Unocal AHU Federal #1

Collection Date: 6/23/2015 8:40:00 AM

Lab ID:

1506B87-003

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	6100	300	mg/Kg	200	7/1/2015 12:21:25 PM	20027
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	: KJH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	6/26/2015 11:31:02 AM	19953
Surr: DNOP	89.6	57.9-140	%REC	1	6/26/2015 11:31:02 AM	19953
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/26/2015 11:14:02 PM	19943
Surr: BFB	85.6	75.4-113	%REC	1	6/26/2015 11:14:02 PM	19943
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.049	mg/Kg	1	6/26/2015 11:14:02 PM	19943
Toluene	ND	0.049	mg/Kg	1	6/26/2015 11:14:02 PM	19943
Ethylbenzene	ND	0.049	mg/Kg	1	6/26/2015 11:14:02 PM	19943
Xylenes, Total	ND	0.099	mg/Kg	1	6/26/2015 11:14:02 PM	19943
Surr: 4-Bromofluorobenzene	86.9	80-120	%REC	1	6/26/2015 11:14:02 PM	19943

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

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 3 of 13

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Yates Petroleum

Client Sample ID: B 1.0

Project: Unocal AHU Federal #1

Collection Date: 6/23/2015 8:50:00 AM

Lab ID:

1506B87-004

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analys	t: LGT
Chloride	3500	150	mg/Kg	100 6/30/2015 4:05:17 PM	20027
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	S		Analys	t: KJH
Diesel Range Organics (DRO)	25	9.7	mg/Kg	1 6/26/2015 11:52:27 AM	A 19953
Surr: DNOP	93.1	57.9-140	%REC	1 6/26/2015 11:52:27 AM	<i>I</i> 19953
EPA METHOD 8015D: GASOLINE RAN	IGE			Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1 6/26/2015 11:42:49 PM	A 19943
Surr: BFB	85.5	75.4-113	%REC	1 6/26/2015 11:42:49 PM	<i>I</i> 19943
EPA METHOD 8021B: VOLATILES				Analys	t: NSB
Benzene	ND	0.050	mg/Kg	1 6/26/2015 11:42:49 PM	A 19943
Toluene	ND	0.050	mg/Kg	1 6/26/2015 11:42:49 PM	A 19943
Ethylbenzene	ND	0.050	mg/Kg	1 6/26/2015 11:42:49 PM	A 19943
Xylenes, Total	ND	0.10	mg/Kg	1 6/26/2015 11:42:49 PM	A 19943
Surr: 4-Bromofluorobenzene	88.3	80-120	%REC	1 6/26/2015 11:42:49 PM	И 19943

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

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDIimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 4 of 13

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: B 2.0

Project:

Unocal AHU Federal #1

Collection Date: 6/23/2015 9:03:00 AM

Lab ID:

1506B87-005

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	5900	150	mg/Kg	100	6/30/2015 4:30:06 PM	20027
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	3			Analyst	KJH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/26/2015 12:13:49 PM	19953
Surr: DNOP	91.5	57.9-140	%REC	1	6/26/2015 12:13:49 PM	19953
EPA METHOD 8015D: GASOLINE RANG	SE .				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/27/2015 12:11:35 AM	19943
Surr: BFB	84.5	75.4-113	%REC	1	6/27/2015 12:11:35 AM	19943
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	NSB
Benzene	ND	0.049	mg/Kg	1	6/27/2015 12:11:35 AM	19943
Toluene	ND	0.049	mg/Kg	1	6/27/2015 12:11:35 AM	19943
Ethylbenzene	ND	0.049	mg/Kg	1	6/27/2015 12:11:35 AM	19943
Xylenes, Total	ND	0.098	mg/Kg	1	6/27/2015 12:11:35 AM	19943
Surr: 4-Bromofluorobenzene	86.2	80-120	%REC	1	6/27/2015 12:11:35 AM	19943

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 5 of 13

- P Sample pH Not In Range
- RL Reporting Detection Limit

# Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: B 3.0

Project:

Unocal AHU Federal #1

Collection Date: 6/23/2015 9:10:00 AM

Lab ID:

1506B87-006

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: LGT
Chloride	250	30	mg/Kg	20	6/30/2015 4:42:31 PM	20027
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANIC	S			Analys	:: KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/26/2015 12:35:13 PM	1 19953
Surr: DNOP	87.2	57.9-140	%REC	1	6/26/2015 12:35:13 PM	1 19953
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/27/2015 12:40:18 AM	1 19943
Surr: BFB	85.0	75.4-113	%REC	1	6/27/2015 12:40:18 AM	1 19943
<b>EPA METHOD 8021B: VOLATILES</b>					Analys	: NSB
Benzene	ND	0.049	mg/Kg	1	6/27/2015 12:40:18 AM	1 19943
Toluene	ND	0.049	mg/Kg	1	6/27/2015 12:40:18 AM	1 19943
Ethylbenzene	ND	0.049	mg/Kg	1	6/27/2015 12:40:18 AM	1 19943
Xylenes, Total	ND	0.099	mg/Kg	1	6/27/2015 12:40:18 AM	1 19943
Surr: 4-Bromofluorobenzene	86.0	80-120	%REC	1	6/27/2015 12:40:18 AM	1 19943

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

# Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 6 of 13

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: C 0.25

**Project:** Unocal AHU Federal #1 Collection Date: 6/23/2015 9:23:00 AM

Lab ID:

1506B87-007

Received Date: 6/25/2015 8:45:00 AM

Analyses Result RL Qual Units DF Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: LGT Chloride 9500 300 200 7/1/2015 12:58:40 PM mg/Kg 20027 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: KJH Diesel Range Organics (DRO) 10 ma/Ka 6/26/2015 12:56:29 PM 19953 Surr: DNOP 101 57.9-140 %REC 6/26/2015 12:56:29 PM 19953 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 5.0 6/27/2015 1:09:03 AM mg/Kg 1 19943 Surr: BFB 85.5 75.4-113 %REC 6/27/2015 1:09:03 AM 19943 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.050 mg/Kg 6/27/2015 1:09:03 AM 19943 Toluene ND 0.050 mg/Kg 6/27/2015 1:09:03 AM 19943 Ethylbenzene ND 0.050 mg/Kg 6/27/2015 1:09:03 AM 19943 Xylenes, Total ND mg/Kg 0.10 1 6/27/2015 1:09:03 AM 19943 Surr: 4-Bromofluorobenzene %REC 87.9 80-120 6/27/2015 1:09:03 AM 19943

Matrix: SOIL

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

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 7 of 13

- P Sample pH Not In Range
- Reporting Detection Limit RL

# Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: C 1.0

Project:

et: Unocal AHU Federal #1

Collection Date: 6/23/2015 9:32:00 AM

Lab ID:

1506B87-008

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: LGT	
Chloride	10000	750	mg/Kg	500	7/2/2015 5:36:17 AM	20027	
EPA METHOD 8015M/D: DIESEL RANG	EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					:: KJH	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/26/2015 1:17:59 PM	19953	
Surr: DNOP	90.7	57.9-140	%REC	1	6/26/2015 1:17:59 PM	19953	
EPA METHOD 8015D: GASOLINE RANG	GE			Analyst: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/27/2015 1:37:44 AM	19943	
Surr: BFB	84.4	75.4-113	%REC	1	6/27/2015 1:37:44 AM	19943	
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB	
Benzene	ND	0.049	mg/Kg	1	6/27/2015 1:37:44 AM	19943	
Toluene	ND	0.049	mg/Kg	1	6/27/2015 1:37:44 AM	19943	
Ethylbenzene	ND	0.049	mg/Kg	1	6/27/2015 1:37:44 AM	19943	
Xylenes, Total	ND	0.099	mg/Kg	1	6/27/2015 1:37:44 AM	19943	
Surr: 4-Bromofluorobenzene	84.8	80-120	%REC	1	6/27/2015 1:37:44 AM	19943	

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 8 of 13

- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order 1506B87

Date Reported: 7/2/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum

Client Sample ID: C 2.0

Project:

Unocal AHU Federal #1

Collection Date: 6/23/2015 9:41:00 AM

Lab ID:

1506B87-009

Matrix: SOIL

Received Date: 6/25/2015 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: LGT
Chloride	12000	750	mg/Kg	500	7/2/2015 5:48:41 AM	20027
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	: KJH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	6/26/2015 1:39:19 PM	19953
Surr: DNOP	91.8	57.9-140	%REC	1	6/26/2015 1:39:19 PM	19953
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/27/2015 2:06:22 AM	19943
Surr: BFB	84.2	75.4-113	%REC	1	6/27/2015 2:06:22 AM	19943
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.049	mg/Kg	1	6/27/2015 2:06:22 AM	19943
Toluene	ND	0.049	mg/Kg	1	6/27/2015 2:06:22 AM	19943
Ethylbenzene	ND	0.049	mg/Kg	1	6/27/2015 2:06:22 AM	19943
Xylenes, Total	ND	0.097	mg/Kg	1	6/27/2015 2:06:22 AM	19943
Surr: 4-Bromofluorobenzene	84.8	80-120	%REC	1	6/27/2015 2:06:22 AM	19943

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 9 of 13

- P Sample pH Not In Range
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1506B87

02-Jul-15

Client:

Yates Petroleum

Project:

Unocal AHU Federal #1

Sample ID MB-20027

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 20027

RunNo: 27204

Prep Date: Analyte

6/30/2015

Analysis Date: 6/30/2015

SeqNo: 814642

Units: mg/Kg

**RPDLimit** 

Qual

Chloride

Result **PQL** ND

SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 300.0: Anions

LowLimit

HighLimit %RPD

Sample ID LCS-20027 LCSS

SampType: Ics

PQL

1.5

Batch ID: 20027

RunNo: 27204

Units: mg/Kg

Prep Date: 6/30/2015 Analysis Date: 6/30/2015

SeqNo: 814643 %REC

HighLimit

Analyte

Client ID:

Result

15.00

SPK value SPK Ref Val

95.8

90

%RPD **RPDLimit** 

Qual

Chloride

14

110

## Qualifiers:

S

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- Sample pH Not In Range
- Reporting Detection Limit RL

Page 10 of 13

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1506B87

02-Jul-15

Client:

Vates Petroleum

Client:	ates Petroleum					
Project:	nocal AHU Federal #1					
Sample ID MB-199	S SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 19953 RunNo: 27105					
Prep Date: 6/25/2	5 Analysis Date: 6/26/2015 SeqNo: 810567 Units: mg/Kg					
Analyte						
Diesel Range Organics (						
Surr: DNOP	11 10.00 114 57.9 140					
Sample ID LCS-19	3 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 19953 RunNo: 27105					
Prep Date: 6/25/2	5 Analysis Date: 6/26/2015 SeqNo: 810568 Units: mg/Kg					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Diesel Range Organics (						
Surr: DNOP	6.4 5.000 128 57.9 140					
Sample ID LCS-19	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 19990 RunNo: 27168					
Prep Date: 6/29/2	5 Analysis Date: 6/30/2015 SeqNo: 813710 Units: %REC					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	5.5 5.000 109 57.9 140					
Sample ID MB-19	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 19976 RunNo: 27168					
Prep Date: 6/26/2	5 Analysis Date: 6/30/2015 SeqNo: 814662 Units: %REC					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	9.3 10.00 93.5 57.9 140					
Sample ID LCS-19	76 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 19976 RunNo: 27168					
Prep Date: 6/26/2	5 Analysis Date: 6/30/2015 SeqNo: 814663 Units: %REC					
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	5.0 5.000 101 57.9 140					

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank B
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Sample pH Not In Range
- RL Reporting Detection Limit

Page 11 of 13

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1506B87

02-Jul-15

Client:

Yates Petroleum

Project: Unocal	AHU Federal #1							
Sample ID MB-19943	SampType: MBLK	Tes	tCode: EPA Method	PA Method 8015D: Gasoline Range				
Client ID: PBS	Batch ID: 19943	F	RunNo: <b>27129</b>					
Prep Date: 6/25/2015	Analysis Date: 6/26/20	15 5	SeqNo: <b>811402</b>	Units: mg/Kg				
Analyte	Result PQL SPK	value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND 5.0				- Washington and the second			
Surr: BFB	870	1000	86.6 75.4	113				
Sample ID LCS-19943	SampType: LCS	Tes	tCode: EPA Method	8015D: Gasoline Rang	je			
Client ID: LCSS	Batch ID: 19943	F	RunNo: <b>27129</b>					
Prep Date: 6/25/2015	Analysis Date: 6/26/20	15 5	SeqNo: <b>811403</b>	Units: mg/Kg				
Analyte	Result PQL SPK	Value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	25 5.0	25.00 0	99.2 64	130				
Surr: BFB	920	1000	92.0 75.4	113				

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 12 of 13

# Hall Environmental Analysis Laboratory, Inc.

0.96

0.98

2.9

0.96

0.050

0.050

0.10

1.000

1.000

3.000

1.000

WO#:

1506B87

02-Jul-15

Client:

Yates Petroleum

Project:

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Unocal AHU Federal #1

				A STATE OF THE PARTY OF THE PAR					
Sample ID MB-19943	SampType: N	/BLK	Tes	tCode: EP	EPA Method 8021B: Volatiles				
Client ID: PBS	Batch ID: 1	Batch ID: 19943		RunNo: 27129					
Prep Date: 6/25/2015	Analysis Date:	6/26/2015	5	SeqNo: 81	11435	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND 0.05	0							CAME THE SHEET OF SHEET WHEET
Toluene	ND 0.05	0							
Ethylbenzene	ND 0.05	0							
Xylenes, Total	ND 0.1	0							
Surr: 4-Bromofluorobenzene	0.90	1.000		90.3	80	120			
Sample ID LCS-19943	SampType: I	.cs	Tes	tCode: EF	A Method	8021B: Volat	tiles		
Client ID: LCSS	Batch ID:	9943	F	RunNo: 27	7129				
Prep Date: 6/25/2015	Analysis Date:	6/26/2015	5	SeqNo: 81	11436	Units: mg/K	(g		
Analyte	Result PQI	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97 0.05	0 1.000	0	97.5	76.6	128			

0

0

0

96.1

98.2

98.3

96.0

75

79.5

78.8

80

124

126

124

120

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 13 of 13



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:	Yates Petroleum Corpora	Work Order Number:	1506B87	*	RcptNo: 1	
Received by/dat	e: JA Obla	5/15			1,4	
Logged By:	Anne Thorne	6/25/2015 8:45:00 AM		anne Am	-	
Completed By:	Anne Thorne	6/25/2015		Anne Stran		
Reviewed By:		06/25/15		2,		
Chain of Cus	stody	V				
1. Custody sea	als intact on sample bottles?		Yes 🔽	No 🗆	Not Present	
2. Is Chain of	Custody complete?		Yes 🔽	No 🗌	Not Present	
3. How was th	e sample delivered?		<u>FedEx</u>			
<u>Log In</u>						
4. Was an atte	empt made to cool the sample	es?	Yes 🔽	No 🗌	NA 🗆	
5. Were all sa	mples received at a temperate	ure of >0° C to 6.0°C	Yes 🗌	No 🗹	NA □	
6. Sample(s)	in proper container(s)?		Approved to Yes	No		
7. Sufficient s	ample volume for indicated te	st(s)?	Yes 🗹	No 🗆		
8, Are sample	s (except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗆		
9. Was preser	rvative added to bottles?	*	Yes	No 🗹	NA 🗆	
10.VOA vials h	nave zero headspace?		Yes	No 🗆	No VOA Vials 🗹	
11. Were any	sample containers received br	oken?	Yes	No 🗹	# of preserved	
		21			bottles checked	
	rwork match bottle labels? epancies on chain of custody)		Yes 🗹	No 🗆	for pH: (<2 or	>12 unless noted)
65.	es correctly identified on Chair		Yes 🗹	No □	Adjusted?	· ·
	hat analyses were requested		Yes 🗹	No 🗆		
15. Were all ho	olding times able to be met?		Yes 🗹	No □	Checked by:	
(If no, notif	y customer for authorization.)			,		The state of the s
Special Han	dling (if applicable)				Dec.	
	notified of all discrepancies w	rith this order?	Yes 🗌	No 🗆	NA 🗹	
	on Notified:	Date				]
0.0000000	Vhom:	Via:	eMail	Phone   Fax	n Person	
	arding:	ALL ROSE TO THE RESERVE TO THE RESER				
	nt Instructions:		- F-2	in v till a tra		
17. Additional	I remarks: Rer BA	collection times a	an Jars	15 Correct	ATOLIELIS	-
18. Cooler In			120			
Cooler		Seal Intact Seal No Yes	Seal Date	Signed By		
1	8.4 Good	169	<u>i</u>		I	

Activities   Act	1.00 South 4th Street   1.00	Address: 105 South 4th Street  Address: 105 South 4th Street  ** (575) 748-4217  csettle@yatespetroleum.com  Package:  dard  Cartle@yatespetroleum.com  Cart	ederal					Š	5	Ŋ	Z	とう	
1065 Courth 4th Street   Unocal AHU Federal #1   1065 Courth 4th Street	108 South 4th Street	210 748-4217  748-4217  9yatespetroleum.com  □ Level 4 (Full Validation) □ Other □ Other Soil A 0.25 Soil A 1.0 Soil A 2.0 Soil B 2.0 Soil B 3.0	ame. -IU Federal #1 3698										) June
105 South 4th Street   Unocal AHU Federal #1   Tel. 505-345-407   Tel. 505-345-4107   Tel. 505-345-9076   Tel. 505-345-9076	105 South 4th Street   Unocal AHU Federal #1   Tel. 506-345-9076   Project #1	210 748-4217  278-4217  2yatespetroleum.com  Cother  Soil A 0.25 Soil A 1.0 Soil A 2.0 Soil B 1.0 Soil B 3.0	1U Federal #1 3698	property and		W	v.halle	nviron	mental	COM.			
Tol. 505-345-3975   Project ##	Tell 505-345-3676 M PM Page 1	210 748-4217  Systespetroleum.com  Level 4 (Full Validation)  Level 4 (Full Validation)  Level 4 (Full Validation)  A 0.25  Soil A 0.25  Soil A 1.0  Soil A 2.0  Soil B 1.0  Soil B 3.0	3698		301 Hay	wkins 1	/- 男	Npnd/	ergue,	N N	1109		
Container   Cont	Contained by:   Contained below   Contained below   Contained by:   Containe	### Soil   A 0.25    Soil   A 0.25   Soil   A 1.0   Soil   A 2.0   Soil   B 1.0   Soil   B 3.0   Soil   B 3.0	3698		el. 505	-345-3	¥576	Pax .	505-34	15-41	22		
Cotter   4 Full Validation   Project Manager:   Chase Settle   C	Cotter   A Country   Contained   Contained   Contained   Cotter   A Country   Contained   Cotter   A Country   Contained   Cotter   A Country	Comparison   Com					- An	alysis	Reque	_ - ين	-		
Contract of Full Validation   Cont	Contained by:   Contained	□ Level 4 (Full Validation) □ Other  Soil A 0.25 Soil A 1.0 Soil A 2.0 Soil B 1.0 Soil B 3.0	anager:			*********		*OS	s				
Container   A   A   Color   A   Color   Colo	Container   A = 0.0	□ Cther  □ Other  Soil A 1.0  Soil A 2.0  Soil A 2.0  Soil B 2.0  Soil B 3.0	attle					"*O	CB				
Continuer   Sampler   Robert Asher   Robert Asher   Sampler   Robert Asher   Robert   Robert Asher   Robert Asher   Robert Asher   Robert Asher   Robert   Robert Asher   Robert   Robert	Container   Sampler Robert Asher   Sample Request   D   Container   Preservative   Type and # Type   Type and # Type   Soil   A 1.0   Type and # Type   Robert   D   Type and # Type   Robert   D   Robert   R	Other   Sample Request ID   Soil   A 0.25   Soil   A 1.0   Soil   B 1.0   Soil   B 2.0   Soil   B 3.0   Soil	.50		22211000			d'ż(	d 7				
Soil   B 2.0   1-40z   Ive   COT   Soil   B 3.0   1-40z   Ive   COT   X   X   X   X   X   X   X   X   X	Solid   A 1.0   Type and #   Type   Type   Type and #   Type	Soil A 0.25 Soil A 0.25 Soil A 1.0 Soil A 2.0 Soil B 1.0 Soil B 2.0 Soil B 3.0	Robert Asher 近Yes。 In No		8510				808 \ s	(A(			or N)
Soil   A 0.25	Soil   A 0.25	Soil         A 0.25           Soil         A 1.0           Soil         A 2.0           Soil         B 2.0           Soil         B 2.0           Soil         B 3.0	emiderature. $oldsymbol{\mathcal{F}}_{f}$		8 po								۲) ه
Soil   A 0.25   1 - 402.   Ice   CD   X   X   X   X   X   X   X   X   X	Section   A 0.25   1-402.   Ice   CD   X   X   X   X   X   X   X   X   X	6.23 AM Soil A 0.25 6.23 AM Soil A 1.0 6.41 AM Soil A 2.0 8.50 AM Soil B 1.0 9.03 AM Soil B 3.0		*******	odieM HQT								Air Bubbles
Solidary   Solidary   A 1.0   1-40z   Ice   CDZ   X   X   X   X   Solidary   A 2.0   1-40z   Ice   CDZ   X   X   X   X   Solidary   B 1.0   1-40z   Ice   CDY   X   X   X   X   Solidary   Solidary   C 0.25   1-40z   Ice   CDZ   X   X   X   X   Solidary   C 1.0   1-40z   Ice   CDZ   X   X   X   X   X   X   X   X   X	Soil   A 1.0   1-402   Ice   CD2   X   X   X   Soil   B 1.0   1-402   Ice   CD2   X   X   X   Soil   B 1.0   1-402   Ice   CD3   X   X   X   Soil   B 1.0   1-402   Ice   CD3   X   X   X   Soil   B 1.0   1-402   Ice   CD3   X   X   X   Soil   B 1.0   1-402   Ice   CD3   X   X   X   Soil   C 0.25   1-402   Ice   CD3   X   X   X   Soil   C 0.25   1-402   Ice   CD3   X   X   X   Soil   C 0.20   1-402   Ice   CD3   X   X   X   Soil   C 0.20   1-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   Soil   C 0.20   T-402   Ice   CD3   X   X   X   X   T-402   T-402	8:50 AM Soil B 2.0 9:10 AM Soil B 2.0 9:10 AM Soil B 3.0	ool e	) ×	×			×		_		-	[
8:50 AM Soil B 1.0 1-40z   Ice	8:10 AM Soil B 1.0 1-402. Ice 7CCF X X X X 8:10 AM Soil B 2.0 1-402. Ice 7CCF X X X X X 8:10 AM Soil B 3.0 1-402. Ice 7CCF X X X X 8:10 AM Soil C 0.25 1-402. Ice 7CCF X X X X 8:10 AM Soil C 1.0 1-402. Ice 7CCF X X X X 8:10 AM Soil C 2.0 1-402. Ice 7CCF X X X X 8:10 AM Soil C 2.0 1-402. Ice 7CCF X X X X 8:10 AM Soil C 2.0 1-402. Ice 7CCF X X X X X X X X X X X X X X X X X X	8:50 AM Soil B 2.0 9:03 AM Soil B 2.0 9:10 AM Soil B 3.0	<u>o</u>		×			×		_			_
8:50 AM Soil B 1.0 1-40z. Ice	8:50 AM Soil B 1.0 1-40z Ice	8:50 AM Soil B 1.0 9:03 AM Soil B 2.0 9:10 AM Soil B 3.0	eol	-	×			×		-			
9:03 AM         Soil         B 2.0         1 - 40z.         Ice         TOS         X         X           9:23 AM         Soil         C 0.25         1 - 40z.         Ice         TOS         X         X           9:23 AM         Soil         C 0.25         1 - 40z.         Ice         TOS         X         X           9:41 AM         Soil         C 2.0         1 - 40z.         Ice         TOS         X         X           1 - 40z.         Ice         TOS         X         X         X         X           9:41 AM         Soil         C 2.0         1 - 40z.         Ice         TOS         X         X           1 - 40z.         Ime.         Date         Time         Received by:         Received by:         Ime.         Received by:	9:03 AM         Soil         B 2.0         1 - 4oz         Ice         CC         X         X         X           9:23 AM         Soil         C 0.25         1 - 4oz         Ice         CC         X         X         X           9:32 AM         Soil         C 1.0         1 - 4oz         Ice         CC         X         X         X           9:41 AM         Soil         C 2.0         1 - 4oz         Ice         CC         X         X         X           1 - 4 AM         Soil         C 2.0         1 - 4oz         Ice         CO         X         X         X           1 - 4 AM         Soil         C 2.0         1 - 4oz         Ice         CO         X         X         X           1 - 4 AM         Soil         C 2.0         1 - 4oz         Ice         CO         X         X         X           2 4 O P         C 2.0         1 - 4oz         Ice         C 209         X         X         X         X           2 4 O P         C 2.0         1 - 4oz         Ice         C 209         X         X         X         X           2 4 O P         C 2.0         1 - 4oz         Ice         C 209	9:03 AM Soil B 2.0 9:10 AM Soil B 3.0	eol		×	_		×					1
9:10 AM         Soil         C 0.25         1 - 4oz         Ice         -CL/2         X         X           9:23 AM         Soil         C 0.25         1 - 4oz         Ice         -CL/3         X         X         X           9:32 AM         Soil         C 2.0         1 - 4oz         Ice         CC/3         X         X         X           9:41 AM         Soil         C 2.0         1 - 4oz         Ice         CO/3         X         X         X         X           Time:         Relinquished by:         Received by:         Received by:         Received by:         Date         Time         Remarks:	9:10 AM         Soil         C 0.25         1 - 40z.         Ice         CCD         X         X           9:23 AM         Soil         C 0.25         1 - 40z.         Ice         CCD         X         X           9:32 AM         Soil         C 1.0         1 - 40z.         Ice         CCD         X         X           9:41 AM         Soil         C 2.0         1 - 40z.         Ice         CCO         X         X           1 Ime:         Relinquished by:         Received by:         Date Time         Remarks:           1 Ime:         Relinquished by:         Received by:         Date Time	9:10 AM Soil B 3.0	eg.		×	_		×					-
9:23 AM         Soil         C 0.25         1 - 40z.         Ice         C 0.05         X         X         X           9:32 AM         Soil         C 1.0         1 - 40z.         Ice         C 0.0         X         X         X           9:41 AM         Soil         C 2.0         1 - 40z.         Ice         C 0.0         X         X         X           1 Ime:         Relinquished by:         Received by:         Received by:         Received by:         Date         Time         Remarks:           5 to ft         Relinquished by:         Received by:         Date         Time         Time	9:23 AM Soil C 0.25 1-40z. Ice	3000	eol		×			×					
9:32 AM Soil C 1.0 1 - 40z. Ice	9:32 AM Soil C 2.0 1-4oz. loe 700 X X X   X   X   X   X   X   X   X   X	9:23 AIM   SOII	lce		×			×					_
3:41 AM   Soil   C 2.0   1 - 40z.   Ice   \tau CO9   X   X   X   X   X   X   X   X   X	9:41 AM         Soil         C 2.0         1 - 40z.         Ice         CO9         X         X           Time:         Relinquished by:         Received by:         Date Time         Remarks:           \$ 40 A         Received by:         Received by:         Received by:           Time:         Relinquished by:         Received by:         Received by:	9:32 AM Soil C 1.0	92	×	×			×					-
Time: Relinquished by:  Received by:  Received by:  Received by:  Received by:  Date Time  Time: Relinquished by:  Date Time	Time: Relinquished by:  Received by:  Received by:  Received by:  Received by:  Date Time  Time: Relinquished by:  Date Time	9:41 AM Soil C 2.0	<u>8</u>	×	×	_		×		-			_
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		Relinquished by:	Date										



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

July 31, 2015

Chase Settle

Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210

TEL: (575) 748-4195

**FAX** 

RE: Unocal AHU Federal #1

OrderNo.: 1507B81

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 8 sample(s) on 7/24/2015 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: 1507B81

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/31/2015

	ates Petroleum Corpo Jnocal AHU Federal #			L	ab O	Order: 1507	B81	
Lab ID:	1507B81-001			Collection Date	: 7/1	7/2015 8:10:00 A	M	
Client Sample ID:	A-3.0			Matrix	: SO	DIL		
Analyses		Result	RL Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS					An	alyst:	LGT
Chloride		750	30	mg/Kg	20	7/29/2015 3:11:26	PM	20513
Lab ID:	1507B81-002			Collection Date	: 7/1	7/2015 8:15:00 A	M	
Client Sample ID:	A-4.0			Matrix	: SC	DIL		
Analyses		Result	RL Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS					Ar	alyst	LGT
Chloride		270	30	mg/Kg	20	7/29/2015 3:23:51	РМ	20513
Lab ID:	1507B81-003			Collection Date	: 7/1	17/2015 8:20:00 A	M	
Client Sample ID:	A-5.0			Matrix	: SC	DIL		
Analyses		Result	RL Qual	Units	DF	Date Analyzed	Ba	atch ID
EPA METHOD 300	0.0: ANIONS					Ar	alyst	LGT
Chloride		ND	30	mg/Kg	20	7/29/2015 3:36:15	PM	20513
Lab ID:	1507B81-004			Collection Date	: 7/1	17/2015 8:25:00 A	M	
Client Sample ID:	A-6.0			Matrix	: SC	DIL		
Analyses		Result	RL Qual	Units	DF	Date Analyzed	Ba	atch ID
EPA METHOD 300	0.0: ANIONS					Ar	alyst	: LGT
Chloride		ND	30	mg/Kg	20	7/29/2015 3:48:39	PM	20513
Lab ID:	1507B81-005			Collection Date	: 7/1	17/2015 8:45:00 A	M	
Client Sample ID:	C-3.0			Matrix	: SC	DIL		
Analyses		Result	RL Qual	Units	DF	Date Analyzed	В	atch ID
EPA METHOD 300	0.0: ANIONS					Ar	nalyst	: LGT
Chloride		1800	75	mg/Kg	50	7/31/2015 2:40:12	2 AM	20513

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 Page 1 of 3
- P Sample pH Not In Range
- RL Reporting Detection Limit

Lab Order: 1507B81

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/31/2015

CLIENT: Yates Petroleum Corporation Lab Order: 1507B81 Project: Unocal AHU Federal #1 Lab ID: 1507B81-006 Collection Date: 7/17/2015 8:50:00 AM Client Sample ID: C-4.0 Matrix: SOIL Result RL Qual Units **DF** Date Analyzed Analyses **Batch ID EPA METHOD 300.0: ANIONS** Analyst: LGT Chloride 2600 150 mg/Kg 100 7/31/2015 3:17:27 AM 20513 Lab ID: 1507B81-007 Collection Date: 7/17/2015 8:55:00 AM Client Sample ID: C-5.0 Matrix: SOIL Result RL Qual Units **DF** Date Analyzed Analyses **Batch ID EPA METHOD 300.0: ANIONS** Analyst: LGT 740 Chloride 30 mg/Kg 7/29/2015 4:25:52 PM 20513 Lab ID: 1507B81-008 Collection Date: 7/17/2015 9:00:00 AM Matrix: SOIL Client Sample ID: C-6.0 **DF** Date Analyzed Analyses Result RL Qual Units **Batch ID EPA METHOD 300.0: ANIONS** Analyst: LGT Chloride 2100 75 mg/Kg 50 7/31/2015 3:29:52 AM 20513

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

#### **Qualifiers:**

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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 Page 2 of 3
- P Sample pH Not In Range
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1507B81

31-Jul-15

Client:

Yates Petroleum Corporation

Project:

Unocal AHU Federal #1

Sample ID MB-20513

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

RunNo: 27852

Batch ID: 20513

Prep Date:

7/29/2015

Analysis Date: 7/29/2015

SeqNo: 837706

Units: mg/Kg

HighLimit

Analyte Chloride

Result **PQL** ND 1.5 SPK value SPK Ref Val %REC LowLimit

Qual

Sample ID LCS-20513

SampType: LCS

TestCode: EPA Method 300.0: Anions

**RPDLimit** 

%RPD

Client ID: LCSS Batch ID: 20513

RunNo: 27852

Prep Date: 7/29/2015

SeqNo: 837707

Units: mg/Kg

Analyte

Analysis Date: 7/29/2015

SPK value SPK Ref Val %REC

HighLimit

**RPDLimit** 

15

98.5

90

LowLimit

Chloride

PQL 1.5

15.00

110

%RPD

Qual

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits В

Analyte detected in the associated Method Blank

E Value above quantitation range

P Sample pH Not In Range

RL Reporting Detection Limit

Analyte detected below quantitation limits Page 3 of 3



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-410? Website: www.hallenvironmental.com

# Sample Log-In Check List

RcptNo: 1 Yates Petroleum Corpora Work Order Number: 1507B81 Client Name: Received by/date: 7/24/2015 9:05:00 AM Logged By: Lindsay Mangin 7/24/2015 3:03:07 PM Completed By: Lindsay Mangin 07/24/15 Reviewed By Chain of Custody Not Present V Yes 1 Custody seals intact on sample bottles? No Yes 🗸 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In NA . No 4. Was an attempt made to cool the samples? NA . 5. Were all samples received at a temperature of >0° C to 6.0°C No Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? No 8. Are samples (except VOA and ONG) properly preserved? NA . No V Yes 9. Was preservative added to bottles? No VOA Vials 🗸 No 10 VOA vials have zero headspace? No V 11. Were any sample containers received broken? # of preserved bottles checked No . for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 13. Are matrices correctly identified on Chain of Custody? No 14. Is it clear what analyses were requested? Checked by No | 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes NA V No \_ 16. Was client notified of all discrepancies with this order? 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

Chail	1-of-Cu	Chain-of-Custody Record	Turn-Arcund Time:	me:				I	A	Ē	M	80	Σ	HALL ENVIRONMENTAL	V	
Cilent: Yates	Petroleum	Yates Petroleum Corporation	X Standard	□ Rush			Д	V	Z	YS	IS	3	SOR	ATC	<b>JRY</b>	
	The state of the s		Project Name:					5	ww.h	llenvii	www.hallenvironmental.com	ntal.co	E			
Mailing Address:	SS:		D	Unocal AHU Federal #1	ederal #1	4	901 H	awkin	4901 Hawkins NE -	- Albi	iquerq	no.	Albuquerque, NM 87109	60		
105 South 4th	Street Arte	105 South 4th Street Artesia, NM 88210	Project #:	20 <b>8</b> 0			el. 50	5-34	Tel. 505-345-3975		Fax 505-345-4107	5-345	4107			
Phone #:	575-703-6537	-6537		30-015-26698	9698				M	maly	Analysis Request	sanb				
emai or Fax#;		petroleum.com	Project Manager:	jer:			-									-0.47890000
Q.VQC Package:				Chase Settle					Water Copperation		-		and			
☐ Standard		☐ Level 4 (Full Validation)		PO # 205, 0750	90				····		MANAGEMENT STORY	1.70	- Cay-			****
Accreditation:			Sampler:	Chase Settle			-				an social to		(		**********	(N
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☐ EDD (Type)			Sample Temperature:	erature: /	2007		MILITANIA I	*****		-	7.		) <b>/</b> -!!			Y) a
Date Time	e Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO.	FM + X3T8	TPH Metho	rtPH (Meth	HDB (Meth AN9) 0168	RCRA 8 M	(T) enoinA lite9¶ 1808	9260B (VO	m92) 07.28	41500	augustaneum a saint faith an Rhammailtean a	Air Bubble
7/17/2016 8:	8:10 Soil	A-3.0	1 - 402.	NONE		A LONG PARTY NAMED OF THE					×					
	8:15 Soil	A-4.0	1 - 4oz.	NONE	-000				-		×				$\dashv$	
	8:20 Soil	A-5.0	1 - 4oz.	NONE	-(332)						×					
	8:25 Soil	A-6.0	1 - 402.	NONE	3						×					
	8:45 Soil	C-3.0	1 - 40z.	NONE	-85		_				×					
	8:50 Soil	C-4.0	1 - 40Z.	NONE	-(W				-		×					
	8:55 Soil	C-5.0	1 - 40z.	NONE	tb				_		×				-	
	9:00 Soil	C-6.0	1 - 402.	NONE	) SS		_		1		×					_
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Date: Time:	ReInquished by:	hed by:	Received by:			at grateri di pessinan angan										
P necess	tary, samples suf	Findesstary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	contracted to other a	xredited laboratori	es. This serves as notice of this	s possibilit	Y. Anys	auco-qn	acted da	a will be	clearly n	otated o	a the ana	ytical repor	ų	



August 25, 2015

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street

Artesia, NM 88210

RE: UNOCAL AHU FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 08/19/15 14:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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 CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/19/2015

Sampling Date:

08/14/2015

Reported:

08/25/2015

Sampling Type:

Soil

Project Name:

UNOCAL AHU FEDERAL #1

Sampling Condition:

\*\* (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Judy Garcia

Project Location:

UNOCAL AHU FEDERAL #1

Sample ID: C-7.0' (H502166-01)

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

mg/kg

176

Result

64.0

64.0

Result

<16.0

Analyzed By: AP

Analyte

Result Reporting Limit

16.0

Reporting Limit

16.0

16.0

Reporting Limit

16.0

Analyzed 08/20/2015

Analyzed

08/20/2015

Method Blank ND

BS 400

BS

400

BS

400

% Recovery 100

True Value QC 400

RPD

3.92

**RPD** 

3.92

Sample ID: C-8.0' (H502166-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

% Recovery

100

100

True Value QC

400

Qualifier

Qualifier

Sample ID: C-9.0' (H502166-03)

Sample ID: C-10.0' (H502166-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Result Reporting Limit Analyzed

08/20/2015

Method Blank ND

% Recovery

True Value QC

400

RPD

3.92

Qualifier

Analyzed By: AP

Analyte Chloride

Chloride, SM4500CI-B

mg/kg

Analyzed

08/20/2015

Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD 3.92 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising, whether based 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 lable 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 Labor

Celeg Ditrema -

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/19/2015

08/25/2015

Sampling Date:

08/14/2015

Reported:

Sampling Type:

Soil

Project Name:

UNOCAL AHU FEDERAL #1

Sampling Condition:

\*\* (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

BS

400

Judy Garcia

Project Location:

UNOCAL AHU FEDERAL #1

16.0

16.0

Sample ID: C-11.0' (H502166-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Result Reporting Limit

<16.0

<16.0

Analyzed Method Blank 08/20/2015 ND

100

True Value QC 400

RPD

Qualifier

Sample ID: C-12.0' (H502166-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

% Recovery

3,92

RPD

3.92

Chloride

Chloride

Result Reporting Limit

Analyzed 08/20/2015 Method Blank ND

BS 400 % Recovery 100

True Value QC 400

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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 lable 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 Labora

Celler D. Freene -

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



## **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 SM4500CI-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 walved 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 claims 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.

Celeg D. Kreene.

	Relinquished by:	Refinquished by:	Relinquished by:	operial lisa retrois.	Opposit Instructions.				6 C-12.0'	5 (0-11.0)		3. C-9.0	2. C-8.0'	. C-7.0'	LAB # (lab use only) FIELD CODE	ORDER #: 1502 66	(lab use only)		Sampler Signature:		City/State/Zip: Artesia, NM 88210	Company Address: 105 South 4th Street	Comp: (505) 393-232( Yates Petroleum Corporation	Project Manager: Chase Settle	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	B
	Date	Date	Date 8-/9-/5																7	H71	M 88210	4th Street	oleum Corporation	ttle	NM 88240	
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	Received by ELOT	Received by:	Received by:						8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015	Date Sampled										(505) 393-2326 FAX (505) 393-2476	
	C	wGar							8:01 AM	7:57 AM	7:53 AM	7:48 AM	7:42 AM	7:34 AM	Time Sampled				e-mail:	Fax No:					FAX (505) 393-	
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	Temperature Upon Receipt	Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Sample Containers Intact? VOCs Free of Headspace?	Laboratory Comments:	+	$\dashv$	$\vdash$	T	t		T	t	1	Metals: As Ag Ba Cd Cr Pb Hg \$		1			× Standard	750					AA
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	ငိ	one Star	ZZZZ	ZZZ											RUSH TAT (Pre-Schedule) 24	1, 48, 7	2 hrs			ŒS						
		¥							×	×	×	×	×	×	Standard TAT			all score	200				ĵ	⊃age	5 of 5	