MARTIN YATES, III 1912-1985 FRANK W. YATES

1936-1986 S.P YATES 1914-2008



JOHN A. YATES

JOHN A. YATES JR.

DOUGLAS E. BROOKS
PRESIDENT
CHIEF EXECUTIVE OFFICER

JOHN D. PERINI
CHIEF FINANCIAL OFFICER

By JKeyes at 9:05 am, Mar 10, 2016

Approved upon the condition that a synthetic liner will be installed

105 SOUTH FOURTH STREET

ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.yatespetroleum.com

RECEIVED

at the bottom of the 2' bgs excavation.

February 19, 2016

Ms. Kellie Jones/Mr. Jamie Keyes NMOCD District I 1625 N. French Drive Hobbs, New Mexico 88240

Re:

Belco AIA Federal #3-H

30-025-38719

Section 14, T20S-R32E Lea County, New Mexico

Ms. Jones/Mr. Keyes:

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 September 16, 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 March 1, 2016.

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)

KATHY H. PORTER

SECRETARY

JAMES D. SCHAFER

Yates Petroleum Corporation

Belco AIA Federal #3-H Work Plan

Section 14, T20S-R32E

Lea County, New Mexico

February 19, 2016

1RP- 3867

I. Location

The well is located approximately 33 miles east of Carlsbad, NM and 2 miles northwest off of Laguna Road.

II. Background

On September 16, 2015, Yates submitted to the NMOCD District I office a Form C-141 for the release of 8 B/O & 17 B/PW with 3 B/O & 7 B/PW recovered. The affected area is approximately 80 feet by 40 feet between the two pumping units on the location pad. Failure of a poly flow line caused oil and produced water to be released. Initial delineation samples were taken (9/17/2015) and sent to a NMOCD approved laboratory (9/29/2015, results enclosed). Further sampling was conducted within the release area (11/5/2015) and sent to a NMOCD approved laboratory (11/20/2015, results enclosed). Final sampling was conducted within the release area (2/11/2016) and sent to a NMOCD approved laboratory (2/18/2016, results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic Quaternary. Previous core data indicates that no groundwater was discovered above 76 feet, making the site ranking for this site a ten (10). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is ten (10) based on the as following:

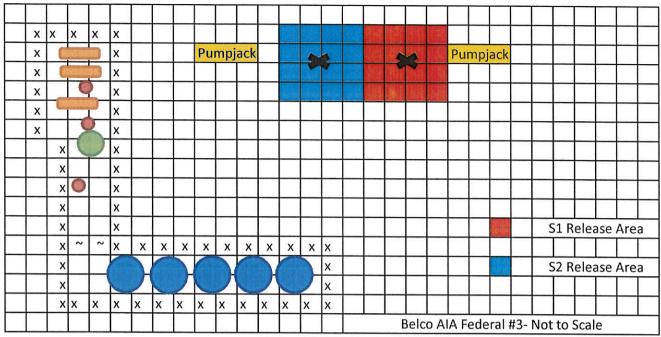
Depth to ground water 50-99'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

IV. Soils

The area consists of soils that are caliche and loamy top soil and are interspersed with clay seams 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 (>76'), and a decrease in chlorides, Yates Petroleum Corporation will excavate two (2) feet of impacted soil within the S1 and S2 release areas. Both areas will then be backfilled with two (2) feet of caliche. All excavated soil will be hauled to a NMOCD approved facility for disposal. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) for the Total Ranking Score of ten (10), 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 ten (10).

DTGW 50-99' (>76', Section 14, T20S-R32E, no groundwater present previous core data 9/17/2007)
All results are ppm. Chlorides for documentation

Released: 8 B/O & 17 B/PW; Recovered: 3 B/O & 7 B/PW Release Date: 09/09/2015 1RP-3867

Sample ID	Analytical ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	1509962	9/17/2015	Hand Auger	1'	ND	ND	ND	930
S1-2'	1511382	11/5/2015	Backhoe	2'	N/A	N/A	N/A	1800
S1-3'	1511382	11/5/2015	Backhoe	3'	N/A	N/A	N/A	1000
S1-4'	1511382	·11/5/2015	Backhoe	4'	N/A	N/A	N/A	830
S1-5'	H600337	2/11/2016	Backhoe	5'	N/A	N/A	N/A	864
S1-6'	H600337	2/11/2016	Backhoe	6'	N/A	N/A	N/A	576
S1-7'	H600337	2/11/2016	Backhoe	7'	N/A	N/A	N/A	400
S1-9'	H600337	2/11/2016	Backhoe	9'	N/A	N/A	N/A	560
S1-11'	H600337	2/11/2016	Backhoe	11'	N/A	N/A	N/A	432
S1-13 ¹	H600337	2/11/2016	Backhoe	13'	N/A	N/A	N/A	416
S2-1'	1509962	9/17/2015	Hand Auger	1'	ND	ND	ND	3100
S2-2'	1511382	11/5/2015	Backhoe	2'	N/A	N/A	N/A	1100
S2-3 ¹	1511382	11/5/2015	Backhoe	3'	N/A	N/A	N/A	930
S2-4 ¹	1511382	11/5/2015	Backhoe	4¹	N/A	N/A	N/A	810
S2-5 ¹	H600337	2/11/2016	Backhoe	5'	N/A	N/A	N/A	1060
S2-6¹	H600337	2/11/2016	Backhoe	6'	N/A	N/A	N/A	864
S2-7'	H600337	2/11/2016	Backhoe	7'	N/A	N/A	N/A	608
S2-9'	H600337	2/11/2016	Backhoe	9'	N/A	N/A	N/A	304
S2-11'	H600337	2/11/2016	Backhoe	11'	N/A	N/A	N/A	368
S2-13 ¹	H600337	2/11/2016	Backhoe	13'	N/A	N/A	N/A	528



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

OrderNo.: 1509962

September 29, 2015

Chase Settle

Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210

TEL: (575) 748-4217

FAX

RE: Belco AIA Federal #3-H

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/19/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1509962

Date Reported: 9/29/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Project: Belco AIA Federal #3-H

Lab ID: 1509962-001 Client Sample ID: S1-1'

Collection Date: 9/17/2015 12:16:00 PM

Received Date: 9/19/2015 7:50:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	930	30	mg/Kg	20	9/24/2015 6:20:58 PM	21493
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/23/2015 12:45:31 PM	21433
Surr: BFB	97.1	70-130	%REC	1	9/23/2015 12:45:31 PM	21433
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	3			Analyst	: KJH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/23/2015 5:15:10 PM	21428
Surr: DNOP	112	57.9-140	%REC	1	9/23/2015 5:15:10 PM	21428
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	DJF
Benzene	ND	0.048	mg/Kg	1	9/23/2015 12:45:31 PM	21433
Toluene	ND	0.048	mg/Kg	1	9/23/2015 12:45:31 PM	21433
Ethylbenzene	ND	0.048	mg/Kg	1	9/23/2015 12:45:31 PM	21433
Xylenes, Total	ND	0.097	mg/Kg	1	9/23/2015 12:45:31 PM	21433
Surr: 1,2-Dichloroethane-d4	93.6	70-130	%REC	1	9/23/2015 12:45:31 PM	21433
Surr: 4-Bromofluorobenzene	104	70-130	%REC	1	9/23/2015 12:45:31 PM	21433
Surr: Dibromofluoromethane	105	70-130	%REC	1	9/23/2015 12:45:31 PM	21433
Surr: Toluene-d8	93.5	70-130	%REC	1	9/23/2015 12:45:31 PM	21433

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 6 J
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1509962

Date Reported: 9/29/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Project: Belco AIA Federal #3-H

1509962-002 Lab ID:

Client Sample ID: S2-1'

Collection Date: 9/17/2015 12:27:00 PM

Received Date: 9/19/2015 7:50:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	3100	150	mg/Kg	100	9/29/2015 12:02:07 AM	21493
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/23/2015 2:08:18 PM	21433
Surr: BFB	101	70-130	%REC	1	9/23/2015 2:08:18 PM	21433
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analyst	:: KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/23/2015 5:36:34 PM	21428
Surr: DNOP	102	57.9-140	%REC	1	9/23/2015 5:36:34 PM	21428
EPA METHOD 8260B: VOLATILES \$	SHORT LIST				Analyst	: DJF
Benzene	ND	0.048	mg/Kg	1	9/23/2015 2:08:18 PM	21433
Toluene	ND	0.048	mg/Kg	1	9/23/2015 2:08:18 PM	21433
Ethylbenzene	ND	0.048	mg/Kg	1	9/23/2015 2:08:18 PM	21433
Xylenes, Total	ND	0.096	mg/Kg	1	9/23/2015 2:08:18 PM	21433
Surr: 1,2-Dichloroethane-d4	101	70-130	%REC	1	9/23/2015 2:08:18 PM	21433
Surr: 4-Bromofluorobenzene	98.5	70-130	%REC	1	9/23/2015 2:08:18 PM	21433
Surr: Dibromofluoromethane	110	70-130	%REC	1	9/23/2015 2:08:18 PM	21433
Surr: Toluene-d8	102	70-130	%REC	1	9/23/2015 2:08:18 PM	21433

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 6 J

- P Sample pH Not In Range
- Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1509962

30-Sep-15

Client:

Yates Petroleum Corporation

Result

Result

15

Project:

Belco AIA Federal #3-H

Sample ID MB-21493

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

Prep Date:

PBS

9/24/2015

Batch ID: 21493 Analysis Date: 9/24/2015

PQL

RunNo: 29095 SeqNo: 883274

Units: mg/Kg

Qual

Analyte Chloride

ND 1.5

SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 300.0: Anions

HighLimit

%RPD

RPDLimit

SampType: LCS

RunNo: 29095

Client ID: LCSS

Batch ID: 21493

Prep Date: 9/24/2015

Sample ID LCS-21493

Analysis Date: 9/24/2015

SeqNo: 883275

Units: mg/Kg

RPDLimit

Analyte

PQL

%REC 97.6

1.5

15.00

%RPD

Page 3 of 6

Qual

Chloride

SPK value SPK Ref Val

LowLimit

90

HighLimit

110

Qualifiers:

S

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- Value exceeds Maximum Contaminant Level.
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Reporting Detection Limit

P Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#:

1509962

30-Sep-15

Client:

Yates Petroleum Corporation

Project:

Belco AIA Federal #3-H

Sample ID MB-21428	SampT	ype: ME	BLK	Test	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 21	428	R	RunNo: 2	9041				
Prep Date: 9/22/2015	Analysis D	oate: 9/	23/2015	S	SeqNo: 8	81439	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		107	57.9	140			

Sample ID LCS-21428	SampT	ype: LC	s	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: 21	428	R	RunNo: 2	9041				
Prep Date: 9/22/2015	Analysis D	ate: 9/	23/2015	S	SeqNo: 8	81441	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.9	57.4	139			
Surr: DNOP	5.2		5.000		105	57.9	140			

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 4 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1509962

30-Sep-15

Client:

Yates Petroleum Corporation

Project:

Belco AIA Federal #3-H

Sample ID mb-21433	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batch	n ID: 214	433	F	RunNo: 2	9067				
Prep Date: 9/22/2015	Analysis D	ate: 9/	23/2015	S	SeqNo: 8	82273	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050						7.8		
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		97.7	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5000		107	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.49		0.5000		97.7	70	130			

Sample ID Ics-21433	SampT	ype: LC	s	Tesi	tCode: El	A Method	8260B: Volat	tiles Short	List	
Client ID: LCSS	Batch	n ID: 21 4	433	R	RunNo: 2	9067				
Prep Date: 9/22/2015	Analysis D	ate: 9/2	23/2015	S	SeqNo: 8	82274	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.050	1.000	0	95.1	70	130			
Toluene	1.0	0.050	1.000	0	100	70	130			
Ethylbenzene	1.0	0.050	1.000	0	100	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.9	70	130			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		100	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		108	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		107	70	130			
Surr: Toluene-d8	0.50		0.5000		99.5	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1509962

30-Sep-15

Client:

Yates Petroleum Corporation

Project:

Belco AIA Federal #3-H

Sample ID mb-21433	SampT	уре: М Е	BLK	Test	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch	ID: 21	433	R	RunNo: 2	9067				
Prep Date: 9/22/2015	Analysis D	ate: 9/	23/2015	S	SeqNo: 8	82242	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr. BFB	500		500.0		101	70	130			

Sample ID Ics-21433 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: LCSS Batch ID: 21433 RunNo: 29067 Prep Date: 9/22/2015 Analysis Date: 9/23/2015 SeqNo: 882243 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 0 101 70 123 Surr: BFB 480 500.0 96.6 70 130

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

Page 6 of 6



tian Environmeniai Arenysis Lavoraiory 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 Petrol	eum Corpora	Work Or	der Number	15099	62			Rcpt	No: 1
Received by/date	e: L	М	09/19	15						
Logged By:	Celina Sess	a	9/19/2015	7:50:00 AM			Celin	5	see.	
Completed By:	Celina Sess	sa	9/21/2015	4:39:51 PM			Celin Celin	-5	ne.	
Reviewed By:	1241		091	22 15)					
Chain of Cus	tody									
1. Custody sea	,	mple bottles?			Yes		No F		Not Present	~
2. Is Chain of C					Yes	V	No		Not Present	
3. How was the	e sample delive	ered?			Cour	ier				
Log In										
4. Was an atte	empt made to o	cool the sample	96?		Yes	V	No [NA	
5. Were all san	mples received	at a temperat	ure of >0° C to	6.0°C	Yes	v	No		NA []
6. Sample(s) in	n proper conta	iner(s)?			Yes	~	No [
7. Sufficient sa	mple volume f	or indicated te	st(s)?		Yes	V	No [-		
8. Are samples	(except VOA	and ONG) pro	perly preserved	17	Yes	~	No [
9. Was preserv	vative added to	bottles?			Yes		No 🔻		NA	The state of the s
10.VOA vials ha	ave zero heads	space?			Yes		No [1	No VOA Vials	~
11, Were any sa			oken?		Yes		No S	V		
									# of preserved bottles checked	Í
12. Does paper					Yes	V	No 🗆		for pH:	and the second s
NAME OF THE PROPERTY OF THE PARTY OF T	pancies on chi correctly iden	900 NO. 100 NO. 100			Yes		No .) ^Adjusted	<2 or >12 unless noted)
13. Are matrices 14, is it clear wh					Yes		No [•	
15. Were all hol					Yes		No [Checked b	ру:
	customer for a									
Special Hand	Illian (if ann	(داطعمنا،								
		A STATE OF THE PARTY OF T	ith this and a			1-1				and the same of th
16. Was client n		screpancies w	ith this order?		Yes	1	No L		NA	Y 1
22.250.00.00	n Notified:		-SCHOOL HULLION BLOOD TO THE STATE OF THE SCHOOL STATE OF THE SCHO	Date						
By Wi		hereid temperatus in all religions to the second at the contract of the second at the		Via:	eM:	ail []	Phone F	ax	In Person	nudi
Regar		Daniel State College Halles Bottom	инительным оконивает хостика	Traction of the last of the la	o constitution and the	insurance and a second	······································	Managari Managari	hann canadar (radius (reconst. leas constant) (reconstructive) (reconstructive)	no-w
	Instructions:									
17. Additional r	emarks:									
18. Cooler Info			1		<u> </u>		10000 1 10 10 10 10 10 10 10 10 10 10 10	·		
Cooler N	lo Temp °C 3.3	Good Good	Seal Intact Yes	Seal No	Seat D	ate	Signed By	_		
1'	w. v	ALCOHOLD STATE						- 1		

Mailing Address: Mailing Add	Chain-of-Custody	Chain-of-Custody Record : Yates Petroleum Corporation	X Standard	⊓ne.					HALL	L E	HALL ENVIRONMENTAL ANALYSIS LABORATORY	R Z	NO NO	M S	F	AL RY	
Steel Artesia, NM 88210			Project Name:	••					www.	hallen	vironm	enta	moo.				
Section Sect	Address:			elco AIA Fed	eral #3-H	unimassin.	4901	Hawk	ins NE		podne	rque,	Ž	37109			
Contained by Cont	th 4th Street Artes	sia, NM 88210	#				<u>Tel</u>	505-3	15-397		Fax 5	05-3	45-41	07			
Contained by Cont		5637		30-025-38	3719			という	すると	Anal	ysis R	edu	sst				100
Sample Container Contain		atespetroleum.com	Project Mana	jer.		AND DESCRIPTION OF		line					adatores established	e sandon disconochio			- BETTER BETTER PER
Container Cont	ackage:			Chase Settle		Management Constraint	AND DESCRIPTION OF THE PARTY OF	aicu		100000	-	s,80	ION INDINIO	SAME OF THE PARTY			AND REPORT THE PARTY OF
Sempler: Charse Settle Onloe: Types Settle Onloe: Sample Request ID Container Preservative Index: Soil Soil Soil Soil Soil Soil Soil Soil		□ Level 4 (Full Validation)		PO # 205. 07	50	NATIONAL PROPERTY.	and the same of the same	repr				7 b(entrometrum			**********	
Matrix Sample Request ID Container Preservative Soil Soil 1-402. ICE -COLD X X Anions (F.CI.NO.) Received by: Soil Received by: Received	ation:		8	Settle			inament of the last	SECURIOR STATES		()		808	-				CHIEF CHIEF
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16 Soil S1-1' 1-402. ICE		Sample Request ID	Container Type and #	Preservative Type	er \1			Designation of the second			O,∃) anoinA						The state of the s
27 Soil S2-1" 1-402. ICE -602 X X X X X X X X X	9/17/2015 12:16 Soil	S1-1'	1 - 4oz.	CE	· / 100-	×	_×	(ecomon) topons			×						-
Relinquished by: Received by: Received by: Received by: Received by: Received by: Received by:	9/17/2015 12:27 Soil	\$2-1,	- 4oz.	CE	-005	×	×	Transport of the last of the l		-	×			**********			-
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	-	by:		>)												



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

November 20, 2015

Chase Settle

Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210

TEL: (575) 748-4217

FAX

RE: Belco AIA Federal #3-H OrderNo.: 1511382

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/10/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1511382

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/20/2015

	ates Petroleum Corporatelco AIA Federal #3-H	ion			Lab Order: 15113	82
Lab ID:	1511382-001		(Collection D	Pate: 11/5/2015 11:35:00 A	M
Client Sample ID:	S1-2'			Ma	trix: SOIL	
Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch ID
EPA METHOD 300	.0: ANIONS				Ana	lyst: LGT
Chloride		1800	75	mg/Kg	50 11/17/2015 4:47:13	AM 22349
Lab ID:	1511382-002			Collection D	Pate: 11/5/2015 11:40:00 A	M
Client Sample ID:	S1-3'			Ma	trix: SOIL	
Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch ID
EPA METHOD 300	.0: ANIONS				Ana	llyst: LGT
Chloride		1000	30	mg/Kg	20 11/13/2015 2:56:13	PM 22349
Lab ID:	1511382-003			Collection E	Pate: 11/5/2015 11:45:00 A	ΔM
Client Sample ID:	S1-4'			Ma	trix: SOIL	
Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch ID
EPA METHOD 300	.0: ANIONS				Ana	alyst: LGT
Chloride		830	30	mg/Kg	20 11/13/2015 3:08:38	3 PM 22349
Lab ID:	1511382-004			Collection I	Date: 11/5/2015 11:55:00 A	AM
Client Sample ID:	S2-2'			Ma	trix: SOIL	
Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	1100	30	mg/Kg	Ana 20 11/13/2015 3:21:02	alyst: LGT 2 PM 22349
Lab ID:	1511382-005			Collection I	Date: 11/5/2015 12:00:00 F	PM
Client Sample ID:	S2-3'			Ma	trix: SOIL	
Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch ID

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

Analytical Report

Lab Order: 1511382

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/20/2015

CLIENT:

Yates Petroleum Corporation

Project:

Belco AIA Federal #3-H

Lab Order:

1511382

Lab ID:

1511382-006

Collection Date: 11/5/2015 12:05:00 PM

Client Sample ID: S2-4'

Matrix: SOIL

Result **RL** Qual Units **DF** Date Analyzed Analyses **Batch ID EPA METHOD 300.0: ANIONS** Analyst: LGT

Chloride

810

30

mg/Kg

20 11/13/2015 5:00:19 PM 22349

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
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- В 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
- Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1511382

20-Nov-15

Client:

Yates Petroleum Corporation

Project:

Belco AIA Federal #3-H

Sample ID MB-22349

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 22349

RunNo: 30257

Prep Date: 11/13/2015

Analysis Date: 11/13/2015

SeqNo: 922446

Units: mg/Kg

Analyte

Result **PQL** ND 1.5

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** Qual

Chloride

SampType: LCS

PQL

TestCode: EPA Method 300.0: Anions

Sample ID LCS-22349

Prep Date: 11/13/2015

LCSS

Batch ID: 22349

SPK value SPK Ref Val %REC

RunNo: 30257

LowLimit

Analysis Date: 11/13/2015

SeqNo: 922447

Units: mg/Kg HighLimit

%RPD

Analyte

15.00

90.9

14

110

Qual

Chloride

Client ID:

Result

1.5

90

RPDLimit

Qualifiers:

S

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Η Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- Analyte detected in the associated Method Blank B
- 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 1901 Hawkins Ni. Albiquerque NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

		THE PARTY OF THE P			CONTRACTOR OF THE PROPERTY OF	CONTRACTOR OF THE PERSON NAMED IN COLUMN 2
Clent Name:	Yates Petroleum Corpora	Work Order Number	er. 1511382		RcptNo:	1
Received by/da	to: JA	11/10/15				
Logged By:	Ashley Gallegos	11/10/2015 9:20:00 /	ΛM	A		
Completed By:	Ashley Gallegos	11/10/2015 9:39:34	AM	**		
Reviewed By:	CS.	11/10/15		U		
Chain of Cus						
	als intact on sample bottles?		Yes	No 🗔	Not Present	
	Custody complete?		Yes V	No	Not Present	
	ne sample delivered?		Courier			
J. 110# 1/43 (1)	to dompto wantereat.		and and a state of the state of			
Log In						
4. Was an att	empt made to cool the samp	les?	Yes 🗸	No	NA 🗌	
					-	
Were all sa	imples received at a tempera	iture of >0° C to 6.0°C	Yes 🗸	No	NA 🗌	
6 Sample(s)	in proper container(s)?		Yes V	No 🗌		
G. Gampieta)	in proper container(o).					
7. Sufficient s	ample volume for indicated t	est(s)?	Yes 🗹	No 🗌		
8. Are sample	es (except VOA and ONG) pr	operly preserved?	Yes 🗸	No 🗌		
9. Was prese	rvative added to bottles?		Yes	No 🗸	NA [
40 000 000			Yes 🗌	No 🗔	No VOA Vials	
	have zero headspace?	seakan?	Yes	No 🗸	140 YON YING 12	
11, were any	sample containers received l	orokeni	163	NO SE	# of preserved	
12. Does pape	work match bottle labels?		Yes 🗸	No 🗆	bottles checked for pH:	
	repancies on chain of custod	y)		· · · · · · · · · · · · · · · · · · ·	22 C. A. VALLE C.	cr >12 unless noted
13. Are matrice	es correctly identified on Cha	in of Custody?	Yes 🗸	No	Adjusted?	
	what analyses were requeste	d?	Yes 🗸	No 🗔	Checked by:	
	olding times able to be met? ly customer for authorization.	Y	Yes 🗸	No 🗔	Oncored by:	
(11 / 91 / 1194	,	,				
Special Han	dling (if applicable)					
	notified of all discrepancies	with this order?	Yes 🔲	No 🗀	NA 🗸	
38380000000000000000000000000000000000	Secretarian and transport and problems is the control of the	AND WILLIAM SECTION AND AND AND AND AND AND AND AND AND AN	garman at marking raises of a last of the at the same	and the second of the second s		
	on Notified.	Cate Via:		Phone Fax	In Person	
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18. Cooler In Cooler		Seal Intact Seal No	Seal Date	Signed By		
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	hain	-of-Cu	Chain-of-Custody Record	- num-Around					man a	ALI		HALL ENVIRONMENTAL	8	Z		E	12	
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guille	ailing Address:	12			Belco AIA Federal #3-H	ral #3-H	•	1901	4901 Hawkins NE	s NE	- Alb	Albuquerque, NM 87109	ne, N	IM 87	109			
5 Sol	5 South 4th Street		Artesia, NM 88210	Project #:				Tel. 5	Tel. 505-345-3975	-397	LL	Fax 50	5-345	505-345-4107		S. Carlotte	事を	71
POTO #	ii-	575-703-6537	6537		30-025-38719	719	10.4	100			Analy	Analysis Request	sanb					10
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000	VQC Package:	100000			Chase Settle		and the second	-		***************************************			00		and the second			Machine President
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NELAP	AP	Other				□ No			-	aller in the state of the state	and the state of t		100	(vc	an joh tus sümésne			10
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)ate	<u>a</u>	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	FM + X3T8	BTEX + Metho	nteM) H9T	HDB (Meth MPH) 01:58	RCRA 8 M),T) anoinA	ilse9 1808 OV) 80858	mə8) 07.28	and the second of the second o	namen kan an an arangan (1889)	int laterage \$100	Air Bubble:
62.0 19.00 10.00 1	11:35 Soil	Soil	\$1-2	1 - 4oz.	None	100			17700011792000	HEIPER FRANKE	IOVERNO MINISTERIO	×						
/5/2015		8	S1-3:	1 - 40z.	None	- CCC			Name and Street	Marian marian II		×						T
(5/2015		Soil	S1-4'	1 - 4oz.	None	-003				-		×	osarran	widten -		4		
(5/2015	11:55 Soll	Soil	. S2-2,	1 - 40z.	None	38.						×			asimment -			
15/2015		Soil	\$2-3'	1 - 402.	None	rest.	- wy wastowa			-	nurre e	×	and the same of th		1			
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	-			to method to better to	enoterodel nethero	. This serves as notice of this possibility. Any sub-contracted	g possibility	th. Any	Theorem		ta will be	data will be clearly notated on the analytical report.	ofated	n the ar	alytical	report.		



February 18, 2016

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

RE: BELCO AIA FEDERAL #3

Enclosed are the results of analyses for samples received by the laboratory on 02/12/16 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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/ga/lab accredited 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.

Celeg D. Keene

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



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

Fax To:

(505) 748-4635

Received:

02/12/2016

Sampling Date:

02/11/2016

Reported:

Sampling Type:

Soil

Project Name:

02/18/2016

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

BELCO AIA FEDERAL #3

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S1-5' (H600337-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 02/17/2016

Analyzed

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

3.77

Qualifier

Sample ID: S1-6' (H600337-02)

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

RPD

3.77

Chloride

Chloride

Chloride

Chloride

Result 576

864

16.0 02/17/2016 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

Qualifier

Sample ID: S1-7' (H600337-03)

Analyte

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

BS

% Recovery

True Value QC

Qualifier

Result

400

Result

560

02/17/2016

Analyzed

ND

416

104

400

RPD 3.77

Sample ID: S1-9' (H600337-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyzed

02/17/2016

Method Blank

ND

BS

416

% Recovery

104

True Value QC

400

RPD

3.77

Qualifier

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, willhout 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 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,

Celego Frence

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 7



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

Fax To:

(505) 748-4635

Received: Reported: 02/12/2016

02/18/2016

Project Name: Project Number: **BELCO AIA FEDERAL #3**

Project Location:

NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type:

02/11/2016 Soil

** (See Notes)

Sampling Condition: Sample Received By:

Jodi Henson

Qualifier

Qualifier

Sample ID: S1-11' (H600337-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD
Chloride	432	16.0	02/17/2016	ND	416	104	400	3.77
Sample ID: S1-13' (H6003	337-06)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD
Chloride	416	16.0	02/17/2016	ND	416	104	400	3.77

Sample ID: S2-5' (H600337-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					ne a suite de la company
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	02/17/2016	ND	416	104	400	3.77	

Sample ID: S2-6' (H600337-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			vor bereit numbereit in a state of		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	02/17/2016	ND	416	104	400	3.77	

Sample ID: S2-7' (H600337-09) Chloride SM4500CL-R

Chloride, SM4500CI-B	mg,	/кд	Analyze	a By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	02/17/2016	ND	416	104	400	3.77	

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 subclidaries, 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.

Color Henry



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

Fax To:

(505) 748-4635

Received:

02/12/2016

Sampling Date:

02/11/2016

Reported:

02/18/2016

Sampling Type:

Soil

Project Name:

BELCO AIA FEDERAL #3

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S2-9' (H600337-10)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Result

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 02/17/2016

Method Blank ND BS 416

BS

416

% Recovery

True Value QC 400 Qualifier

.

Sample ID: S2-11' (H600337-11)

Chloride, SM4500CI-B

mg/kg

Result

368

Analyzed By: AP

Analyzed

02/17/2016

Method Blank

ND

% Recovery

104

True Value QC

400

RPD

3.77

RPD

3.77

Qualifier

Chloride

Chloride

Sample ID: S2-13' (H600337-12)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte Result Reporting Limit

Chloride 528 16,0

Analyzed 02/17/2016

Method Blank ND BS 416 % Recovery

True Value QC 400 RPD 3.77 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celego Areno



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

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Celey & Keene

Telephone No:	City/State/Zip:	Company A	Comp; (505)	Project Manager:	ARDI 101 E
Vo: 575-748-4171	ip: Artesia, NM 88210	Company Address: 105 South 4th Street	Comp: (505) 393-2326 Yates Petroleum Corporation	ager: Chase Settle	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Fax No: 575-748-4131					(505) 393-2326 FAX (505) 393-2476
Report Format: X Standard TRRP NPDES	PO #: 205. 0750	Project Loc: Belco AIA Federal #3	Project #:	Project Name: Belco AIA Federal #3	CITAIN OF COSTODI RECORD AND ANALYSIS REQUEST
				Page	6 of 7

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Page 7 of 7



March 18, 2015

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

RE: BELCO AIA FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/13/15 11:25.

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 www.tceq.texas.gov/field/ga/lab 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)

Celey D. Keine

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



YATES PETROLEUM CORPORATION

CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received: 03/13/2015 Sampling Date: 03/12/2015

Reported: 03/18/2015 Sampling Type: Soil

Project Name: BELCO AIA FEDERAL BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: BK - 10' (H500702-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/18/2015	ND	416	104	400	0.00	
Sample ID: BK - 11' (H50	0702-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/18/2015	ND	416	104	400	0.00	
Sample ID: BK - 12' (H50	0702-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/18/2015	ND	416	104	400	0.00	
Sample ID: BK - 13' (H50	0702-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/18/2015	ND	416	104	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreine



YATES PETROLEUM CORPORATION

CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received: 03/13/2015 Sampling Date: 03/12/2015

Reported: 03/18/2015 Sampling Type: Soil

Project Name: BELCO AIA FEDERAL BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: BK - 14' (H500702-05)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/18/2015	ND	416	104	400	0.00	

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Celey D. Keene



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

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Celey D. Keine

ARDINAL LABORATORIES

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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From: <u>Chase Settle</u>

To: <u>Keyes, Jamie, EMNRD</u>

Cc: Bob Asher

Subject: RE: Belco AIA Federal #3-H Work Plan Date: Thursday, March 10, 2016 8:56:09 AM

Jamie,

A synthetic liner will be installed after 2' have been excavated.

Thank you,

Chase

From: Keyes, Jamie, EMNRD [mailto:Jamie.Keyes@state.nm.us]

Sent: Thursday, March 10, 2016 8:24 AM

To: Chase Settle

Subject: RE: Belco AIA Federal #3-H Work Plan

Chase,

The map provided works just fine. Taking into consideration what appears to be a fairly high background chloride concentration, the release area still exhibits elevated chlorides vs background concentration to a depth of approximately 5'bgs. I would prefer that the release area be excavated to a depth of 5' bgs which would remove the vast majority of the contaminated material. However, an acceptable alternative to that would be to excavate 2' bgs and install a synthetic liner to prevent the downward migration of the remaining chlorides in the soil.

Thank you,

Jamie

From: Chase Settle [mailto:CSettle@yatespetroleum.com]

Sent: Thursday, March 10, 2016 7:51 AM

To: Keyes, Jamie, EMNRD

Subject: RE: Belco AIA Federal #3-H Work Plan

Jamie,

I can go get the GPS coordinates. Attached is a Google Map with the GPS point marked on it, but if this will be sufficient let me know.

Thank you,

Chase

From: Keyes, Jamie, EMNRD [mailto:Jamie.Keyes@state.nm.us]

Sent: Thursday, March 10, 2016 7:47 AM

To: Chase Settle

Subject: RE: Belco AIA Federal #3-H Work Plan

Good morning,

Would it be possible to get the GPS coordinates for the location from where the background samples were taken?

Thank you,

Jamie

From: Chase Settle [mailto:CSettle@yatespetroleum.com]

Sent: Friday, February 26, 2016 7:35 AM

To: Jones, Kellie, EMNRD; Keyes, Jamie, EMNRD

Cc: Bob Asher; Katie Parker; Jim Amos

Subject: RE: Belco AIA Federal #3-H Work Plan

Please find attached the sample results referred to in the previous email. I apologize for not attaching them yesterday.

Thank you,

Chase Settle, M.S.

Environmental Regulatory Agent Yates Petroleum Corporation 105 S. 4th Street Artesia, NM 88210 575-748-4171 (Office) 575-703-6537 (Cell)

From: Chase Settle

Sent: Thursday, February 25, 2016 9:25 AM

To: kellie.jones@state.nm.us; 'Keyes, Jamie, EMNRD'

Cc: Bob Asher; Katie Parker; Jim Amos

Subject: RE: Belco AIA Federal #3-H Work Plan

Ms. Jones,

The S2 release area has been fully delineated. Background sample results taken in 2015 show that natural chloride concentration in the soils for that area to range from 448 ppm to 608 ppm (results attached). These background samples were taken up-gradient from the battery and in an area never impacted by a release, but near enough to properly represent the soil present at the battery

site. I would also like justification for the request to increase the excavation to double the original depth stated in the work plan. I feel that there is no logical or practicable reason why these soils should be excavated when these low of concentrations pose no significant threat to present or foreseeable beneficial use of fresh waters, public health, or the environment.

Also, I have yet to hear a response from my previous email (sent on 2/10/16) regarding the Belco AIA Federal Battery Work Plan. I would appreciate a timely response to both of these issues so that remediation activities can begin in a timely manner that allows for appropriate July reseeding at the Belco AIA Federal Battery.

Thank you,

Chase Settle, M.S.

Environmental Regulatory Agent Yates Petroleum Corporation 105 S. 4th Street Artesia, NM 88210 575-748-4171 (Office) 575-703-6537 (Cell)

From: Jones, Kellie, EMNRD [mailto:Kellie.Jones@state.nm.us]

Sent: Wednesday, February 24, 2016 2:26 PM **To:** Chase Settle; Keyes, Jamie, EMNRD; Jim Amos

Cc: Bob Asher

Subject: RE: Belco AIA Federal #3-H Work Plan

Chase,

The work plan is conditionally approved with the following conditions:

- 1. S2 has not been delineated. Ensure that S2 has been clearly delineated.
- 2. Instead of two feet to be removed, OCD requests Yates remove four feet.
- 3. Ensure BLM approval/concurrence.

If you have any questions, please feel free to contact Jaime or I.

Kellie Jones
District Geologist
OCD – Artesia

Office - 575 748 1283 xt. 103 E-Mail: kellie.jones@state.nm.us

From: Chase Settle [mailto:CSettle@yatespetroleum.com]

Sent: Friday, February 19, 2016 10:53 AM

To: Keyes, Jamie, EMNRD; Jones, Kellie, EMNRD; Jim Amos

Cc: Bob Asher

Subject: Belco AIA Federal #3-H Work Plan

Please find attached the Work Plan for the below listed location.

Belco AIA Federal #3H

30-025-38719 Section 14, T20S-R32E 1980 FSL & 1830 FEL Lea County, New Mexico

Thank you,

Chase Settle, M.S.

Environmental Regulatory Agent Yates Petroleum Corporation 105 S. 4th Street Artesia, NM 88210 575-748-4171 (Office) 575-703-6537 (Cell)

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