Bratcher, Mike, EMNRD

From:

Amber Cannon < ACannon@yatespetroleum.com>

Sent:

Tuesday, January 14, 2014 9:12 AM

To:

Bratcher, Mike, EMNRD; Jim Amos; Duncan Whitlock

Cc:

Bob Asher

Subject:

Punch BJD Federal #1 (2RP-2073) Workplan

Attachments:

PunchBJDFederal1_Workplan011414.pdf

Mike/Jim/Duncan,

Please find attached a work plan for a release that occurred at the Punch BJD Federal #1 on October 31, 2013.

Please call or email me with any questions.

Once I receive approval from both NMOCD and BLM, Yates will start work on clean-up.

Thanks,

Amber Cannon

Environmental Regulatory Agent Yates Petroleum Corporation Office: (575) 748-4111

Cell: (575) 513-8799

MARTIN YATES, III

FRANK W. YATES

S.P. YATES



105 BOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471
www.yatespetroleum.com

JOHN A. YATES

JOHN A. YATES JR.

JOHN D. PERINI EXECUTIVE VICE PRESIDENT OHIEF FINANCIAL DEFICER

JAMES S. BROWN

January 14, 2014

Mr. Mike Bratcher NMOCD District II 811 South First Street Artesia, NM 88210

RE:

Punch BJD Federal #1 30-015-22471 Section 6, T26S-R27E Eddy County, New Mexico

Mr. Bratcher,

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the release that occurred at the above mentioned facility on October 31, 2013 (2RP-2073).

The release was 65 barrels of produced water and 10 barrels of oil, with 10 barrels of produced water and 5 barrels of oil being recovered. The release area was contained inside of a lined/bermed battery. Crews recovered what liquids they could from the release and then removed the gravel from within the battery fire walls. After this work was completed, it was determined that the liner was compromised and had two holes allowing the release to flow underneath the liner. The liner was then cut so crews could excavate (by shovel) some of the impacted soils underneath the liner.

Initial TPH/BTEX and Chloride delineation samples were then taken from within the battery fire walls at three sample points - front side of tanks, east side of tanks, and back side of tanks. At each sample point grab samples were taken at 1', 2' and 3'. Samples were sent to a NMOCD approved facility for analysis. Analytical results and a site diagram (not to scale) showing sample points are attached for your review.

Yates knows that both NMOCD and BLM would like to see full vertical delineation of a release area; however, at this time, Yates is not able to complete further vertical delineation sampling of the release area. During initial sampling, Yates tried to do sampling with a hand auger in the very rocky caliche found at the site. After many attempts, this process failed, and Yates had to hire a contractor who had a mini-excavator to complete the sampling process. There were limited spaces the mini-excavator could access to complete the sampling. For safety and tank battery stability concerns Yates could only successfully sample vertically to 3'.

Yates proposes to excavate as much from the impacted area as practicable. Yates would excavate what can be done so safely for the contractors and also only to a depth that will not create instability for the equipment within the tank battery. Yates believes this depth would be around 1-2, but can't be sure of the practicable depth until excavation begins. The impacted soils excavated from the release area will be disposed of at a NMOCD approved facility.

After excavation and disposal, the excavation area would be backfilled and packed with clean, like material. Then the liner would be welded back together in order to successfully contain a release in the event of any future releases. The backfill of clean material and the welded liner will create a barrier so that any chloride contamination left in place would not be driven down or up by any future rain events in the area.

Yates Petroleum is aware that further contamination issues may need to be addressed if and when the facility is plugged and abandoned.

Please notify me if this proposed work is acceptable to you so that Yates may begin clean-up work as soon as possible.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at acannon@yatespetroleum.com.

Thank You,

Amber Cannon

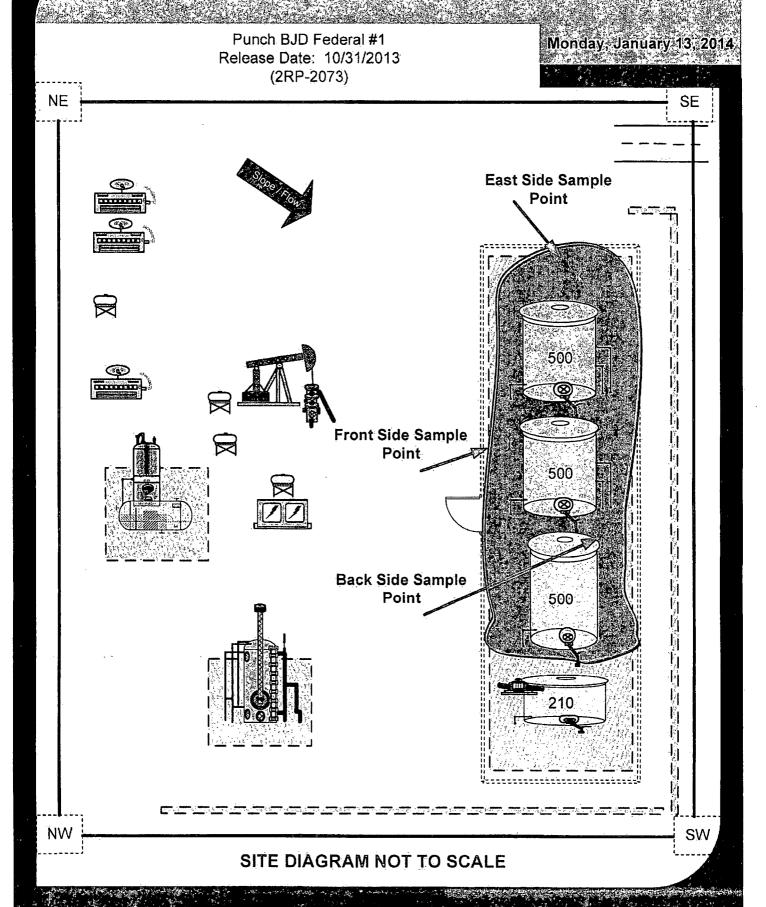
Environmental Regulatory Agent

Yates Petroleum Corporation

Enclosure(s): 3

cc: Jim Amos, BLM - Carlsbad District Office

YATES PETROLEUM CORPORATION



PUNCH BJD FEDERAL #1

Cardinal Laboratories

Analytical Report-	Sample Area	Sample Date	Sample Type:	Depth :	BTEX	GRO	DRO	TOTAL:	Chlorides
Front 1'	Release Area	12/19/2013	GRAB/Mini Excavator	1'	ND	ND	ND	ND.	4,000
Front 2'	Release Area	12/19/2013	GRAB/Mini Excavator	2'	ND	ND	15.6	15.6	1,920
Front 3'	Release Area	12/19/2013	GRAB/Mini Excavator	3'	ND.	ND	ND	ND.	2,760
Side 1'	Release Area	12/19/2013	GRAB/Mini Excavator	1'	ND	ND	ND	ND	5,440
Side 2*	Release Area	12/19/2013	GRAB/Mini Excavator	2'	ND	ND	18.4	18.4	4,000
Side 3*	Release Area	12/19/2013	GRAB/Mini Excavator	3'	ND	ND	ND	ŇD	4,080
Back 1'	Release Area	12/19/2013	GRAB/Mini Excavator	1'	ND	ND	54.8	54.8	4,080
Back 2*	Release Area	12/19/2013	GRAB/Mini Excavator	2'	ND	ND	NĎ	ND	3440
Back 3'	Release Area	12/19/2013	GRAB/Mini Excavator	3,	ND	ND	ND	ND	2030

Site Ranking is ZERO (0). Depth to Ground Water >100'

All results are ppm.Chlorides for documentation.

Released: 65 B/PW, 10 B/O; Recovered: 10 B/PW, 5 B/O. Release Date: 10/31/2013. 2RP-2073



December 30, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesla, NM 88210

RE: PUNCH BJD FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 12/20/13 10:10.

Cardinal Eaboratories 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)

Accreditation applies to public drinking water matrices.

Celes 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



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soll

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-22471

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: FRONT 1' (H303096-01)

Chloride, SM4500Cl-B	·mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS.	% Recovery	True Value QC	RPD	Qualifier
Chloride:	4000	16.0	12/26/2013	ND	400	100	400.	7.69	
Sample ID: FRONT 2' (H3	303096-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16,0	12/26/2013	ND	400	100	400	7.69	
Sample ID: FRONT 3' (H3	303096-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CK					i
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS,	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16,0	12/26/2013	ND	400	100	400	7.69	
Sample ID: SIDE 1 (H30	3096-04)								
Chloride, SM4500Cl-B	. mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS ⁻	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	12/26/2013	ND	400	100	40Ó	7.69	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's Babetry and citerits exclusive remedy for any claim animal, whether based in contract or text, shall be limited to the amount paid by clear for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed valued unless made in writing and received by Cordinal within thiny (30) days after completion of the applicable service. In no event shall conduct 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 & Kuna



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 12/20/2013

12/30/2013

Project Name:

PUNCH BJD FEDERAL #1

Project Number:

30-015-22471

Project Location:

EDDY COUNTY, NM

Sampling Date:

12/19/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SIDE 2' (H303096-05)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: CK

Analyte

Result

4000

Result

4080

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 12/26/2013 Method Blank NĎ

BS: 400 % Recovery 100

True Value QC

RPD

Sample ID: SIDE 3' (H303096-06)

Chloride, SM4500Cl-B

Analyte

Analyte

mg/kg

Analyzed By: CK

Method Blank

ND

BS

400

% Recovery

100

400

7.69

RPD

7.69

Qualifier

Oualifier

Sample ID: BACK 1' (H303096-07)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: CK

Analyzed

Analyzed

12/26/2013

Method Blank

BS.

% Recovery

True Value OC

400

Qualifier

Chloride

Chloride

Chloride

4080

Result

Reporting Limit 16.0

12/26/2013

ND

400

100

True Value QC

ŘPD

Sample ID: BACK 2' (H303096-08)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: CK

400

7.69

.Analyte

Result 3440 Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 12/26/2013

Analyzed

12/27/2013

Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD

Qualifier

Sample ID: BACK 3' (H303096-09)

Chloride, SM4500Cl-B

mg/kg

Result

2030

Analyzed By: CK

Method Blank

·ND

BS

432

% Recovery

108

True Value QC

400

7.69

RPD

3.77

Oualifier

Cardinal Laboratories

Analyte

*=Accredited Analyte

PLEASE NOTE: Uability and Damages.

Celey & Kune



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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Celiz & Kuna



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

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CHAIN OF	CUSTODY	RECORD	AND A	NAL YSIS	REQUEST

5.0f5 Project Manager: Amber Cannon Company Name Yates Petroleum Corporation 30-015-22471 Company Address: 105 South 4th Street **Eddy County** Project Loc: City/State/Zip: Artesia, NM 88210 103-2020 Telephone No: Fax No: Report Format: X Standard TRRP 575-748-4111 or 575-513-8799 575-748-4131 NPDES Sampler Signature: acannon@yatespetroleum.com Imber e-mail: Analyze For. 'lab use only) TCLP. order#: #303096 TOTAL: Preservation & # of Containers **Beginning Depth** Time Sampled FIELD CODE 12/19/2013 9:30 AM Front 1 S 2' 12/19/2013 9:36 AM Front 2' S 3 Front 3 3 12/19/2013 9:42 AM S U Side 1' 12/19/2013 9:48 AM 1 X S Side 2' 2' 12/19/2013 9:57 AM 1 X S Side 3' 3 12/19/2013 10:03 AM S 12/19/2013 10:09 AM S Back 1' Back 2' 12/19/2013 10:15 AM S 9 Back 3' S 12/19/2013 10:21 AM Special Instructions: TPH: 8015B, BTEX: 8021B. Please show BTEX results as mg/kg. Please put chlorides on a Laboratory Comments: Sample Containers Intact 2 separate report. Thank you. VOCs Free of Headspace? Cabels on containings) Date Relinquished by: Date Time Custody seals on container(s) 12/20 MUNUL DE Date Time Relinguished by: Sample Hand Delivered % -by Sampler/Client Rep. ? by Courier? UPS DHL FedEx Lone Star Relinquished by: Date Time Received by ELOT: Date Time Temperature Opon Receipt: / -



December 30, 2013

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: PUNCH BJD FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 12/20/13 10:10.

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/qa/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)

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 AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soil

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition:

Cool & Intact

Project Number: Project Location: 30-015-22471

EDDY COUNTY, NM

Sample Received By:

Jódi Henson

Sample ID: FRONT 1' (H303096-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2013	ND	1.73	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	ND	1.70	85.1	2.00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	.ND	1.66	82.8	2.00	2.91	
Total Xylenes*	<0.150	0.150	12/27/2013	ND	4.88	81.3	6.00	2.20	
Total BTEX	<0.300	0.300	12/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL)	.103.9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/26/2013	ND	199	99.7	200	6.31	
DRO:>C10-C28	<10.0	10:0	12/26/2013	ND	203	102	200	8.57	
Surrogate: 1-Chlorooctane	100.9	65:2-14	0	V V		, , , , , , , , , , , , , , , , , , ,	······································		
Surrogate: 1-Chlorooctadecane	101.9	63,6-15	į.						

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*=Accredited Analyte

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Celey & Keine



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soil

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-22471

Sample Received By:

Project Location:

EDDY COUNTY, NM

Jodi Henson

Sample ID: FRONT 2' (H303096-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed:	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0,050	12/27/2013	ND	1.73	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	NÞ	1.70	85.1	2.00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82.8	2.00	2.91	
Total Xylenes*	< 0.150	0.150	12/27/2013	NÔ	4.88	81.3	6.00	2.20	
Total BTEX.	<0.300	0.300	12/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/26/2013	ND	199	99.7	200	6.31	
DRO >C10-C28	15.6	10.0	12/26/2013	ND	- 203	102	200	8.57	
Surrogate: 1-Chlorooctane	101-5	65.2-14	0			······································			
Surrogate: 1-Chlorooctadecane	98,8	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Utability and Damagies. Cardinal's liability and clernt's exclusive rememby for any claim arising, whenter based in contract or toir, shall be limited to the amount paid by clernt for analyses. All claims, including those, for negligence and any other cause whatsoerer, shall be 'detended waived unless made in writing and received by Cardinal within thinty (30) days, after completion of the applicable service. In no event shall Cardinal be Sable for indepotal or consequential dismaples, including, without limitations, business inferingetion, loss of use, or just only use, or profit incurred by clernt, its autostates affiliates or successors assign out of or released to the performance of the services hereunder by Cardinal, regardless of whether such claims to based upon only of the above stated reasons or orderwise. Results related only to the samples definitied above. The report discretization is the profit of cardinal above stated reasons or orderwise. Results related only to the samples definitied above. The report discretization is not approach for Cardinal above stated reasons or orderwise. Results related only to the samples definitied above. The report definition is not approach for Cardinal above stated reasons or orderwise. Results related only to the samples definition and t

Clay Kenne

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

Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soil

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition:

Cool & Intact

Project Number:

Project Location:

30-015-22471 EDDY COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: FRONT 3' (H303096-03)

BTEX 8021B	,mg/	kg	Analyze	d Bý: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzenë*	<0.050	0.050	12/27/2013	·ND	1.73	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	.ND	1.70	85,1	2.00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82.8	2.00	2.91	
Total Xylenes*	<0.150	0.150	12/27/2013	ND	4.88	81.3	6.00	2.20	
Total BTEX	<0.300	0.300	12/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	101 9	% 89.4-12	б						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS.	% Recovery	True Value QC	RPD	Qualifier
GRO-C6-C10	<10.0	10.0	12/26/2013	ND	199	99.7	200	6.31	
DRO:>C10-C28	<10.0	10.0	12/26/2013	ND	203	102	200	8.57	
Surrogate: 1-Chlorooctane	98.5	% 65.2-14	0 .			***************************************			<u>.</u>
Surrogate: 1-Chilorooctadecane	95.6	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Chaminges. Cardinal's liability and chernt's exclusive remody for any claim assing, whether based in contract or tors, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other course whatsoever shall be decimed waved unless made in writing and received by Cardinal wethin thirp (30) days after completion of the applicable service. In no event shall Cardinal be liable, for incidental or consequential damages, including, without limitation, bushess interruptions, loss of use, or loss of profits incurred by client, its subsidiance, affairtes or excessors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims to based upon any of the above stated reasons of observates. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keine



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-22471

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SIDE 1' (H303096-04)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2013	ND	1.73	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	ND	1.70	85.1	2.00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82,8	2.00	2.91	
Total Xylenes*	< 0.150	0.150	12/27/2013	ND	4.88	81.3	6.00	2.20	
Total BTEX	<0.300	0.300	12/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/27/2013	ND	199	99.7	200	6.31	
DRO >C10-C28	<10.0	10.0	12/27/2013	ND	203	102	200	8.57	
Surrogale: 1-Chlorooctane	96.8	% 65.2-14	o						
Surrogate: 1-Chlorooctadecane	94.5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Kune

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

Received:

BTEX 80218

12/20/2013

Reported: Project Name: 12/30/2013

PUNCH BJD FEDERAL #1

Project Number:

30-015-22471

Project Location:

EDDY COUNTY, NM

mg/kg

Sampling Date:

Sampling Type:

12/19/2013

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SIDE 2' (H303096-05)

TPH 8015M Analyte	mg/l	Reporting Limit	Analyze	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
Surrògate: 4-Bromofluorobenzene (PIL		* * "				· ·			
Total BTEX	<0.300	0.300	12/27/2013	ND					
Total Xylenes*	<0.150	0.150	12/27/2013	ND	4.88	81.3	6.00	2.20	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82.8	2.00	2.91	
Toluene*	<0.050	0.050	12/27/2013	ŅD.	1.70	85.1	2.00	2.58	
Benzene*	<0.050	0.050	12/27/2013	ND	1.73	86.4	2.00	1.95	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/27/2013	ŅD.	199	99.7	200	6.31	
DRO >C10-C28	18.4	10.0	12/27/2013	ЙĎ	203	102	200	8.57	
Surrogate: 1:Chlorooctane	102	% 65:2-14	10	· · · · · · · · · · · · · · · · · · ·			<u></u>		

Surrogate: 1-Chlorooctadecane 99.9% 63.6-154

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PEDSC NOTE: user-whatcover and company and comment of the services and the description of the services and the description of the services and the description of the services and the services a

Clay & Kime



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

Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soil

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-22471

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SIDE 3' (H303096-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2013	ND	1.73	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	ND	1,70	85.1	2.00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82.8	2.00	2.91	
Total Xylenes*	<0.150	0.150	12/27/2013	ND	4.88	81.3	6.00	2.20	
Total BTEX	<0.300	0.300	12/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	102	% 89.4-12	6	-					
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/27/2013	ND	199	99.7	200	6.31	
DRO >G10-C28	<10.0	10.0	12/27/2013	ND	:203	102	200	8.57	
Surrogate: 1-Chlorooctane	106 5	% 65.2-14	0.						
Surrogate: 1-Chlorooctadecane	1043	63.6-15	4						

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Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soil

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

Project Number: Project Location: 30-015-22471

EDDY COUNTY, NM

Sample ID: BACK 1' (H303096-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŖPD	Qualifier
Benzene*	<0.050	0.050	12/27/2013	ND	1.73	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	ND	1.70	85.1	2:00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82.8	2.00	2,91	
Total Xylenes*	< 0.150	0.150	12/27/2013	ŃĎ	4.88	81.3	6.00	2.20	
Total BTEX	<0.300	0.300	12/27/2013	ЙD				•	
Surrogate: 4-Bromofluorobenzene (PIC	1013	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms	······································				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/27/2013	ND	199	99.7	200	6.31	
DRO >C10-C28	54.8	10.0	12/27/2013	ND	203.	102.	200	8.57	
Surrogate: 1-Chlorooctane	95.4	% 65.2-14	0				· · · · · · · · · · · · · · · · · · ·		
Surrogate: 1-Chlorooctadecane	98.5	% 63.6-15	į.						

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Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soil

Project Name:.

PUNCH BJD FEDERAL #1

Cool & Intact

Project Number:

Sampling Condition:

Project Location:

30-015-22471 EDDY COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: BACK 2' (H303096-08)

BTEX 8021B	mg/	kġ	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2013	ND	1.73	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	ND	1.70	85.1	2.00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82.8	2.00	2.91	
Total Xylenes*	<0.150	0.150	12/27/2013	ND	4.88	81,3	6.00	2.20	
Total BTEX	<0.300	0.300	12/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	% 89.4-12	6					,	_, .
TPH 8015M	mg/	kg	Analyze	d By: ms					
'Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO-C6-C10	<10.0	10.0	12/27/2013	ND	199	99.7	200	6.31	
DRO:>C10-C28	<10.0	10.0	12/27/2013	.NĎ	203	102	200	8.57	
Surrogate: 1-Chlorooctane	95.6	% 65.2-14	Ö						
Surrogate: 1-Chilorooctadecane	90.6	% 63.6-15	4						

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

Received:

12/20/2013

Sampling Date:

12/19/2013

Reported:

12/30/2013

Sampling Type:

Soil

Project Name:

PUNCH BJD FEDERAL #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-22471

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: BACK 31 (H303096-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS				- 1 ₁	<u> </u>
Ánalyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2013	ND	1.73 ,	86.4	2.00	1.95	
Toluene*	<0.050	0.050	12/27/2013	ND	1.70	85.1	2.00	2.58	
Ethylbenzene*	<0.050	0.050	12/27/2013	ND	1.66	82.8	2.00	2.91	
Total Xylenes*	<0.150	0,150	12/27/2013	·`ND	4.88	81.3	6.00	2.20	
Total BTEX	<0.300	0.300	12/27/2013	ŇD					
Surrogate: 4-Bromofluorobenzene (PIC	101 9	6 89.4-12	6				1		
TPH 8015M	mg/	kg	Analyze	d By: ms		· · · · · · · · · · · · · · · · · · ·	<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/27/2013	ND	199	99.7	200	6.31	
DRO:>C10-G28	<10.0	10.0	12/27/2013	ND	203	102	200	8.57	
Surrogate: 1-Chlorooctane,	108 %	6 .65.2-14	Ö.						······································
Surrogate: 1-Chloroociadecane		63.6-15	4.						

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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

Sample's reported on an as received basis (wet) unless otherwise noted on report

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		ANALYSIS	

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:	Project Manager:	Amber Cannon									_ Project Name:					·														
	Company Name	Yates Petroleur	leum Corporation													_ Project#					#: 30-015-22471								··· ··· ,	
. :	Company Address:	105 South 4th	Street)													Project Loc							E	ddy	Cou	inty	···	·	L
	City/State/Zip:	Artesia, NM 8			-	t ja		17 10 11.								-			PO	#:		•		-	103	-202			ŷ.	
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# (tab use only)				Beginning Depth	Ending Depth	Date Sampled	Time Sampled	leid Fillered	#. of Containers				* *		specify)	ing Weter St. #Sludge-	undwater S=Soil/Soild	418.1 8015M 8015	X 1005	ns (Ca, Mg, Na, K)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se			BTEX 8021B/5030 or BTEX 8260		K.ivi. ides.		TAT (pra-Schadule) 24	IA) (Pre-Schedule) 24, Ird TAT
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4	Front 2'	<u> </u>		2'	2'	12/19/2013	9:36 AM	- s	-+	X	+	+	+	\dashv	+	╀	S	X	-		+	+	-	╄┙	X	\dashv	 ×	1-1	╌┼	+×
	Front 3'			3' 1'	3' 1'	12/19/2013	9:42 AM 9:48 AM			X	+	+	+	\dashv	+	╁	S	X X	-	\dashv	+	-	+	-	X	+	X	1-1	$\vdash \vdash$	٦×
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	Back 2'			2'	2'	12/19/2013	10:15 AM	100		Х							S	X	,						х		X	(]		7
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ecial	 Instructions:		8015B, B			B. Please sho	ow BTEX resu	ılts	as r	ng/k	g. j	Plea	ise p	ut c	hlor	ide	s on a	<u> </u>	a i					nent Sint				$oxed{oxed}$	山為	上海
elinqui	shed by: A	sepa	Date:		ime	15.40 0	- A	3) 331			· · ·	;				Date		Tin	ne:	VOC	s Fn	ee of	Hea	idspa	ce?			r	3	N N
1.1	ba Canno	Λ.,		1	- **	Was	Alle	U	10			•.			12/	D)	13	D:	ID	Cus	lody lody	seals seals	on o	conta coole	ilner(s) ·		C) * 1 1	N N
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