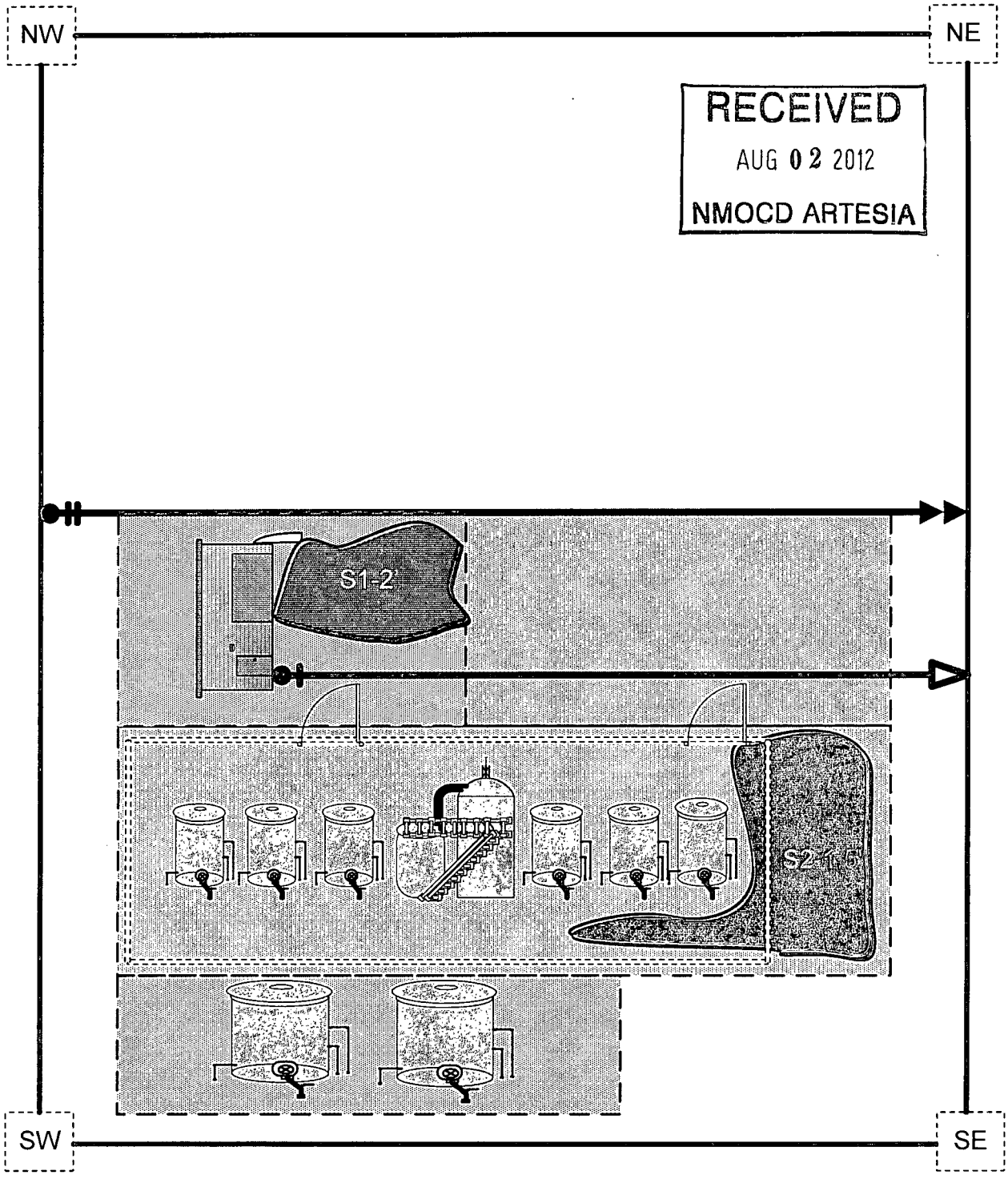
YATES PETROLEUM CORPORATION

Wednesday, August 01, 2012

Central Dagger Draw Water Transfer



RECEIVED
AUG 02 2012
NMOCD ARTESIA

Central Dagger Draw Water Transfer (Bates Water Transfer)

Analytical Report- H201014	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S1-2'	7/20/2012	2'	ND	ND	91.3	91.3	1310
S2-1.5'	7/20/2012	1.5'	283.77	3790	1410	5200	576

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 260', per NMOSE).

All results are ppm.Chlorides for documentation.

Spill 1 - Released: 30 B/PW, Recovered: 20 B/PW. Release Date: 7/16/2012

Spill 2 - Released: 1 B/O, 40 B/PW; Recovered: 1 B/O, 30 B/ PW. Release Date: 7/17/2012

*** Cells highlighted in red indicate soil removed.**

CARDINAL Laboratories

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

July 30, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CENTRAL DAGGER DRAW WATER TRANSFER

Enclosed are the results of analyses for samples received by the laboratory on 07/23/12 14:35.

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

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Yates Energy Petroleum Corp
LUPE CARRASCO
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	07/23/2012	Sampling Date:	07/20/2012
Reported:	07/30/2012	Sampling Type:	Soil
Project Name:	CENTRAL DAGGER DRAW WATER TRANS	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S2 - 1 1/2 (H201696-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	07/27/2012	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco
Comp: (505) 393-2326 Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4350 Fax No:
Sampler Signature:

Project Name: Central Dagger Draw Water Transfer
Project #:
Project Loc:
PO #: 103-163
Report Format: [x] Standard [ ] TRRP [ ] NPDES
e-mail: lcarrasco@hotmail.com

(lab use only)
ORDER #: H201696

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M	TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: 8021B 5030/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	52-1½			7/20/12													X							X			X			

Special Instructions: Please provide a separate report for chloride analysis. TPH and BTEX can be on same report.

Relinquished by:	Date	Time	Received by:	Date	Time
	7/21/12	2:40	Jodie Henson	7/23/12	2:35
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? (Y) N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4°C °C

#26

CARDINAL Laboratories

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

July 30, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CENTRAL DAGGER DRAW WATER TRANSFER

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Method EPA 524.2	Total Trihalomethanes (TTHM)
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Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Yates Energy Petroleum Corp
LUPE CARRASCO
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	07/23/2012	Sampling Date:	07/20/2012
Reported:	07/30/2012	Sampling Type:	Soil
Project Name:	CENTRAL DAGGER DRAW WATER TRANS	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S2 - 1 1/2 (H201696-01)

BTEX 8021B mg/kg **Analyzed By: AP** **S-06**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**7.47**	1.00	07/30/2012	ND	1.82	91.2	2.00	0.352	
Toluene*	**74.6**	1.00	07/30/2012	ND	1.87	93.3	2.00	1.02	
Ethylbenzene*	**32.7**	1.00	07/30/2012	ND	1.90	95.2	2.00	1.09	
Total Xylenes*	**169**	3.00	07/30/2012	ND	5.82	97.1	6.00	2.32	

Surrogate: 4-Bromofluorobenzene (PID *140 %* *89.4-126*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**3790**	50.0	07/26/2012	ND	188	94.0	200	5.62	
DRO >C10-C28	**1410**	50.0	07/26/2012	ND	198	99.0	200	5.46	

Surrogate: 1-Chlorooctane *130 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *121 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Lupe Carrasco
Project Name: Central Dagger Draw Water Transfer
Comp: (505) 393-2326 Yates Petroleum Corporation
Project #:
Company Address: 105 South 4th Street
Project Loc:
City/State/Zip: Artesia, NM 88210
PO #: 103-163
Telephone No: 575-748-4350 Fax No:
Report Format: [x] Standard [ ] TRRP [ ] NPDES
Sampler Signature: e-mail: lcarrasco@hotmail.com

(lab use only)
ORDER #: H2011696

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	52-1½			7/20/12															X							X			X			

Special Instructions: Please provide a separate report of each sample. TPH and BTEX can be on same report.

Relinquished by:	Date	Time	Received by:	Date	Time
L Carrasco	7/23/12	2:40	Jodi Henson	7/23/12	2:35
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	(Y)	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	(Y)	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: 4°C °C

#26

CARDINAL Laboratories

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

July 30, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CENTRAL DAGGER DRAW WATER TRANSFER

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Yates Energy Petroleum Corp
LUPE CARRASCO
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	07/23/2012	Sampling Date:	07/20/2012
Reported:	07/30/2012	Sampling Type:	Soil
Project Name:	CENTRAL DAGGER DRAW WATER TRANS	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1 - 2 (H201695-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1310**	16.0	07/27/2012	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

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RPD	Relative Percent Difference
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***	Insufficient time to reach temperature.
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Lupe Carrasco
Compa (505) 393-2326 Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4350 Fax No:
Sampler Signature:

Project Name: Central Dagger Draw Water Transfer
Project #:
Project Loc:
PO #: 103-163
Report Format: [x] Standard [ ] TRRP [ ] NPDES
e-mail: lcarrasco@hotmail.com

(lab use only)
ORDER #: H20116C5

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	PCB's 8082 / 608 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	SI-2			7/20/12															X														

Special Instructions:

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N
Labels on container(s) (Y) N
Custody seals on container(s) N N
Custody seals on cooler(s) N N
Sample Hand Delivered (Y) N
by Sampler/Client Rep. ? Y
by Courier? UPS DHL FedEx Lone S

Temperature Upon Receipt: 4°C °C

Relinquished by:	Date	Time	Received by:	Date	Time
	7/23/12	3:48pm	Holli Henson	7/23/12	2:35
	Date	Time	Received by:	Date	Time
	Date	Time	Received by ELOT:	Date	Time

#26

CARDINAL Laboratories

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

July 30, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

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Analytical Results For:

Yates Energy Petroleum Corp
LUPE CARRASCO
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	07/23/2012	Sampling Date:	07/20/2012
Reported:	07/30/2012	Sampling Type:	Soil
Project Name:	CENTRAL DAGGER DRAW WATER TRANS	Sampling Condition:	Cool & Intact
Project Number:	103-163	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1 - 2 (H201695-01)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2012	ND	1.82	91.2	2.00	0.352	
Toluene*	<0.050	0.050	07/29/2012	ND	1.87	93.3	2.00	1.02	
Ethylbenzene*	<0.050	0.050	07/29/2012	ND	1.90	95.2	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/29/2012	ND	5.82	97.1	6.00	2.32	

Surrogate: 4-Bromofluorobenzene (PID *107 %* *89.4-126*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/26/2012	ND	188	94.0	200	5.62	
DRO >C10-C28	**91.3**	50.0	07/26/2012	ND	198	99.0	200	5.46	

Surrogate: 1-Chlorooctane *73.2 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *110 %* *63.6-154*

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco
Compa (505) 393-2326 Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4350 Fax No:
Sampler Signature:
e-mail: lcarrasco@hotmail.com

Project Name: Central Dagger Draw Water Transfer
Project #:
Project Loc:
PO #: 103-163
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H20116095

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	1-2			7/20/12				X									X														

Special Instructions:

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	(Y)	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	(Y)	N

by Sampler/Client Rep. ? by Courier? UPS DHL FedEx Lone S

Temperature Upon Receipt: 4.0 °C

Relinquished by:	Date	Time	Received by:	Date	Time
	7/23/12	2:30pm	Jodi Henson	7/23/12	2:35
	Date	Time	Received by:	Date	Time
	Date	Time	Received by ELOT:	Date	Time

#26

Bratcher, Mike, EMNRD

From: Lupe Carrasco <LCarrasco@yatespetroleum.com>
Sent: Thursday, August 02, 2012 3:47 PM
To: Bratcher, Mike, EMNRD
Subject: Central Dagger Draw Water Transfer (Bates Water Transfer)

Mike,

As per our conversation regarding the two spills associated with the Central Dagger Draw Water Transfer (Spill 1 & Spill 2), the following actions will be taken:

Spill 1 – Based on analytical data I will begin to backfill excavated area and submit C-141 for closure of the impacted area. Impacted area has been excavated to a depth of 2' where we hit bedrock.

Spill 2 - Based on analytical data I will leave the excavated area open for at least another week at which point I will resample and submit for TPH and BTEX analysis. TPH levels where about 200 ppm over the permissible level of 5000 ppm and BTEX was over the permissible level for closure. Impacted area has been excavated down to bedrock. Remnant soil will be sampled and submitted for analysis in hopes that BTEX will be lower than 100 ppm.

Thanks!

Lupe Carrasco
Environmental Regulatory Agent
Yates Petroleum Corporation
Office: (575) 748-4350
Fax: (575) 748-4131
Cell: (575) 513-9074

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8/2/12 Meet w/ Cape w/ Yates

2RP-1228 - Foster AN Btry

partial liner tacked in btry corner - pulled liner up & ~~tested~~ excavated 6" - 1 in spill area & tested - analytical OK - will replace liner portion & backfill or vice-versa

2RP ____ Cent Dragger Brow X Fer 2 spills

C-141's have not been processed on both releases - material was excavated to bedrock

S-1 proposed to backfill

S-2 " to install a liner for "catch basin"

Asked to resample S2 due to elevated BTEX & TPH