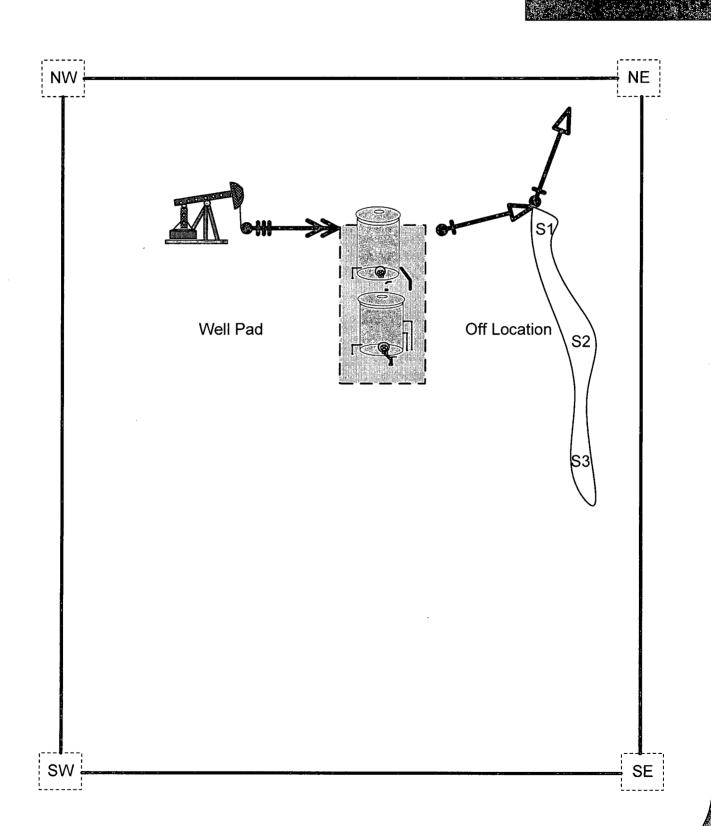
YATES PETROLEUM CORPORATION

Wednesday, July 18, 2012



Analytical Report- H201444/H201556R	Sample Date	Depth	втех	GRO	DRO	TOTAL	Chlorides
S1-1°	6/22/2012	1'	-	-	-	-	20000
S1-3°	7/6/2012	3'	ND	ND	ND	ND	11700
S1-5	7/6/2012	5'	ND	ND	ND	ND	1090
S1-7	7/6/2012	7'	ND	ND	ND	ND	432
S2-1°	6/22/2012	1'	-	-	-	-	19600
S 2-3	7/6/2012	3'	ND	ND	ND	ND	288
S2-5	7/6/2012	5'	ND	ND	ND	ND	256
S2-7	7/6/2012	7'	ND	ND	ND	ND	160
S3-1°	6/22/2012	1'	•		•	•	4560
S3-3	7/6/2012	3'	ND	ND	ND	ND	288
S3-5	7/6/2012	5'	ND	ND	ND	ND	144

Site Ranking is Ten (10). Depth to Ground Water <100' (approx. 60', per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 40 B/PW, Recovered: 0 B/PW. Release Date: 6/21/2012

^{*} Cells highlighted in red indicate soil removed.



July 17, 2012

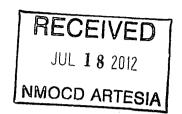
LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: OREK BDO #1



Enclosed are the results of analyses for samples received by the laboratory on 07/09/12 13:35.

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 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.

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 Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/09/2012

Sampling Date:

07/06/2012

Reported:

07/17/2012

Sampling Type:

Soil

Project Name:

OREK BDO #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

CHAVEZ COUNTY, NM

Sample ID: S1 - 3 (H201556-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2.00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	102 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			 	<u>-</u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11700	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/10/2012	ND	188	93.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/10/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	83.3 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.69	63.6-15	4						

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Celeg & Keene



Yates Energy Petroleum Corp **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 07/09/2012

07/17/2012

Project Name: Project Number: OREK BDO #1 NONE GIVEN

Project Location:

CHAVEZ COUNTY, NM

Sampling Date:

07/06/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S1 - 5 (H201556-02)

BTEX 8021B	mg/	kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2.00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	101 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/10/2012	ND	188	93.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/10/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	82.0 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	101 %	63.6-15	4						

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Fax To:

(505) 748-4635

Received:

07/09/2012

Sampling Date:

07/06/2012

Reported:

07/17/2012

Sampling Type:

Soil

Project Name:

OREK BDO #1 NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number: Project Location:

CHAVEZ COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: S1 - 7 (H201556-03)

BTEX 8021B	mg,	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2,00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	100	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/10/2012	ND	188	93.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/10/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	79.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	% 63.6-15	4						

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Celey & Kune



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Fax To:

(505) 748-4635

Received: Reported: 07/09/2012

07/17/2012 OREK BDO #1

Project Name: Project Number:

NONE GIVEN

Project Location:

Sampling Date:

07/06/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

CHAVEZ COUNTY, NM

Sample ID: S2 - 3 (H201556-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2.00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND .	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2012	ND	188	93.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/11/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	80.9	% 65.2-14	0						
Surrogate: I-Chlorooctadecane	102 9	63.6-15-	4						

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Celeg & Keine



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Fax To:

(505) 748-4635

Sampling Date:

07/06/2012

Received: Reported: 07/09/2012

Sampling Type:

Soil

Project Name:

07/17/2012 OREK BDO #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

CHAVEZ COUNTY, NM

Sample ID: S2 - 5 (H201556-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2.00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 89.4-12	6			, , , , , , , , , , , , , , , , , , , ,			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP		<u>. </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2012	ND	188	93.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/11/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	81.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103 9	63.6-15	4						

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Celey D. Keine



Yates Energy Petroleum Corp **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 07/09/2012

07/17/2012

OREK BDO #1

Project Number: Project Location:

Project Name:

NONE GIVEN CHAVEZ COUNTY, NM Sampling Date:

07/06/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S2 - 7 (H201556-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2.00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	103 9	6 89.4-12	6		•				
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2012	ND	188	93.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/11/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	74.9	% 65.2-140)						
Surrogate: 1-Chlorooctadecane	92.3 9	63.6-15-	4						

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Fax To:

(505) 748-4635

Received:

07/09/2012

Sampling Date:

07/06/2012

Reported:

07/17/2012

Sampling Type:

Soil

Project Name:

OREK BDO #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

CHAVEZ COUNTY, NM

Sample ID: S3 - 3 (H201556-07)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2.00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2012	ND	188	93.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/11/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	83.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102 9	63.6-15	4						

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Fax To:

(505) 748-4635

Received:

07/09/2012

Reported:

07/17/2012

Project Name: Project Number: OREK BDO #1 NONE GIVEN

Project Location:

CHAVEZ COUNTY, NM

Sampling Date:

07/06/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S3 - 5 (H201556-08)

BTEX 8021B	mg,	kg	Analyze	d By: AP					· -
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2012	ND	1.81	90.3	2.00	3.87	
Toluene*	<0.050	0.050	07/11/2012	ND	1.84	91.8	2.00	2.07	
Ethylbenzene*	<0.050	0.050	07/11/2012	ND	1.86	93.0	2.00	2.40	
Total Xylenes*	<0.150	0.150	07/11/2012	ND	5.61	93.5	6.00	2.08	
Surrogate: 4-Bromofluorobenzene (PIL	103 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/11/2012	ND	188	9 3.9	200	0.634	
DRO >C10-C28	<10.0	10.0	07/11/2012	ND	207	103	200	3.14	
Surrogate: 1-Chlorooctane	82.6	65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.2	63.6-15	4						

Sample ID: BG - 1 (H201556-09)

	,								
Chloride, SM4500CI-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	07/11/2012	ND	400	100	400	3.92	

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Celeg & Keine



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 07/09/2012

07/17/2012

OREK BDO #1

Project Name: Project Number:

NONE GIVEN

Project Location:

CHAVEZ COUNTY, NM

Sampling Date:

07/06/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BG - 2 (H201556-10)

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	07/11/2012	ND	400	100	400	3.92	

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Celeg D. Keine



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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Celegi Kune



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

CUSTODY RECORD	

	Project Manager: Lupe Carrasco (505) 393-2326 FAX (505) 393-2476										Pr	ojec	t Nar	ne:	. es 2 - 2 -			<u>`</u>	Orec	k BC)O #	t1		iliy Zaza	Page 12 c						
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	Company Address: 105 South 4th Street Proj										ect L	t Loc: Chavez County							9												
	City/State/Zip: Artesia, NM 88210								•	٠		PO) #: _.	103-163																	
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Bratcher, Mike, EMNRD

From:

Lupe Carrasco [LCarrasco@yatespetroleum.com]

Sent:

Wednesday, July 18, 2012 9:21 AM

To:

Bratcher, Mike, EMNRD

Subject:

Oreck BDO #1

Attachments:

How to UNZIP.html; SecureZIP Attachments.txt

Mike,

As per our conversation, YPC has verbal closure on the Oreck BDO #1. We will initiate back fill of the area and reseed immediately. Attached is a copy of the official sample data.

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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Bratcher, Mike, EMNRD

From:

Bratcher, Mike, EMNRD

Sent:

Wednesday, July 18, 2012 9:26 AM

To: Subject: 'Lupe Carrasco' RE: Oreck BDO #1

Lupe,

As discussed, you are approved to commence backfill operations for closure of the site. The analytical data you sent is a zip file and our system quarantines those, so the attachment did not make it. If you can have them converted to pdf, that will work, or you can drop them off at your convenience.

Thanks,

Mike Bratcher

NMOCD District 2 811 S. First Street Artesia, NM 88210 575-748-1283 Ext. 108 575-626-0857 mike.bratcher@state.nm.us

From: Lupe Carrasco [mailto:LCarrasco@yatespetroleum.com]

Sent: Wednesday, July 18, 2012 9:21 AM

To: Bratcher, Mike, EMNRD **Subject:** Oreck BDO #1

Mike,

As per our conversation, YPC has verbal closure on the Oreck BDO #1. We will initiate back fill of the area and reseed immediately. Attached is a copy of the official sample data.

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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