Remediation Summary Report

General Information

This report, prepared by Hungry Horse, LLC, is in response to the remediation activities conducted at the Grand Banks Energy, Anderson Ranch Unit #16 (managed by Cambrian Management) that resulted from an unplanned release of crude oil and produced water.

Date: 200ct16

Client: Cambrian Management Site Name: Anderson Ranch Unit #16

API: 30-025-00368

Site Coordinates

Latitude: 32.9489

Longitude: -103.7435

Legals: UL. T, Sec. 2, T16S, R32E Property Owner: State of New Mexico

New Mexico Oil Conservation Division RP No.: 1RP 4422

Release Description and Assessment

Date of Spill: 10Aug16

Cause of Spill: X Equipment Failure

Type of Spill: X Oil X Produced Water

Condensate

Other (Specify):

Valve Failure Line Rupture

County: Lea

Leaking Tank

APPROVED

Tank Overfill

By Olivia Yu at 1:39 pm, Jun 28, 2017

NMOCD grants closure to 1RP-4422.

State: New Mexico

Other (Specify):

Other Contributing Factors or Comments:

Quantity Spilled: 2000 bbls

Quantity Recovered: 1990 bbls

Total Released: 10 bbls

Method of Recovery: X Vacuum Truck

Other (Specify):

New Mexico Oil Conservation Division Notified:

X Yes No

C-141 Completed and Submitted: X Yes

No Not Required

Spill Area Impacted: X Inside Firewall X On Production Pad

X In Pasture

In Cultivated Land

Other (Specify):

Area Impacted: 750' x 8' Pasture

Estimated Depth: 1.5'

60' x 50' Pad

Estimated Depth: 2.5'

Other Comments: N/A

Remediation Activity Summary

The impacted area was divided into two separate work areas for remediation purposes, the pad and the pasture. The pad was excavated to a depth of approximately 2.5' BGS. Three areas were selected for sampling. Soil samples were obtained and lab analysis was conducted for Chlorides, TPH, and BTEX. The impacted in the pasture was excavated to an average depth of approximately 1.5'. Four areas were selected for sampling. Soil samples from these four selected areas were obtained and lab analysis was conducted for Chlorides, TPH, and BTEX. (See attached drawing for impacted areas and sample points.) All impacted soil was transported to a division approved disposal facility.

Analytical results indicated contaminant levels well below the required limits for a site with a Ranking Score of "0". These results were presented to NM OCD requesting approval for closure. The approval was given and the excavated areas were backfilled. The area in the pasture was seeded in accordance with the NM SLO approved Re-vegetation Plan.

Vernon K. Black, Hungry Horse, LLC

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Name of Company Grand Banks Energy Address 10 Desta Drive, Ste 300-E, Midland, TX 79705 Facility Name Anderson Ranch Unit #16 Surface Owner State of NM Mineral Owner LOCATION OF RELEASE Unit Letter Section Township Range Feet from the T 2 16S 32E 1980' South South 660' West Capture	Report X Final Re 0-025-00368 County Lea
Facility Name Anderson Ranch Unit #16 Surface Owner State of NM Mineral Owner LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line C T 2 16S 32E 1980' South 660' West C Latitude 32.9489 Longitude-103.7435	ounty
Surface Owner State of NM Mineral Owner LOCATION OF RELEASE	ounty
Unit Letter Section Township Range Feet from the South Feet from the South George West Latitude 32.9489 Longitude-103.7435	ounty
Unit Letter Section Township Range 16S 32E 1980' South Feet from the South Feet from the South South Feet from the South Feet fr	
Unit Letter Section Township Range Feet from the South South Line Feet from the South Sout	
NATURE OF RELEASE	
Control of the frontest water	overed 1990 bbls
Source of Release SWD Tank Date and Hour of Occurrence 10Aug16 0600hrs Date and Hour of Occurrence 10Aug16	ur of Discovery 1400hrs
Was Immediate Notice Given? X Yes No Not Required If YES, To Whom? Jamie Keyes, NM OCD	
By Whom? Denise Jones Date and Hour 10Aug16 1500hrs	
Was a Watercourse Reached? Yes X No If YES, Volume Impacting the Watercourse. N/A	
were dispatched to the site to start the recovery of the free standing fluid. An environmental contractor was summoned to cond using back-hoes and loaders to excavate the saturated soil in order to prevent further downward migration and to prevent further more rain. This excavated material was stockpiled on plastic for transport to the disposal site. Describe Area Affected and Cleanup Action Taken.* The lined containment and tanks were steam cleaned and pressure washed. The impacted area outside the lined tank containment pasture to the northeast, was excavated and soil samples obtained. Lab analyst was presented to NM OCD seeking closure. Clo	ent, pad to the north and osure was granted and the
excavated area in the pasture was backfilled with fresh material and the area seeded in accordance with the NM SLO approve r	
hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuan egulations all operators are required to report and/or file certain release notifications and perform corrective actions for release public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve thould their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, sugar the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for comparison.	nt to NMOCD rules and es which may endanger the operator of liability irface water, human health
hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuan egulations all operators are required to report and/or file certain release notifications and perform corrective actions for release public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve hould their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, sure the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compederal, state, or local laws and/or regulations.	nt to NMOCD rules and es which may endanger the operator of liability urface water, human health pliance with any other
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1RP-4422

Vernon Black

From:

Lynch, Kristen, EMNRD < Kristen.Lynch@state.nm.us>

Sent:

Tuesday, October 18, 2016 3:15 PM

To:

Vernon Black

Cc:

agroves@slo.state.nm.us; Oberding, Tomas, EMNRD

Subject:

RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Good Afternoon,

Based on documents provided, NMOCD approves your request to backfill. I will be looking forward to receiving your closure report/C141.

Thanks Again,

Kristen D. Lynch Environmental Specialist, District 1 Oil Conservation Division, EMNRD (575) 393-6161 ext. 111 575-370-3180 (emergency-cell)

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Vernon Black [mailto:vblack@hungry-horse.com]

Sent: Monday, October 17, 2016 3:47 PM

To: Lynch, Kristen, EMNRD

Subject: RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Hello Kristen,

Please see the attached lab results for the above referenced location. Looks like we've got it all........We' ready to complete the backfilling with your approval.

Thanks, Vernon

From: Lynch, Kristen, EMNRD [mailto:Kristen.Lynch@state.nm.us]

Sent: Tuesday, September 20, 2016 9:22 AM To: Vernon Black < vblack@hungry-horse.com >

Cc: Oberding, Tomas, EMNRD < Tomas.Oberding@state.nm.us > Subject: RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Thank you for the update. I will be looking forward to hearing from you.

Vernon Black

From:

Groves, Amber <agroves@slo.state.nm.us>

Wednesday, September 21, 2016 9:32 AM

Sent: To:

Vernon Black

Cc:

Lynch, Kristen, EMNRD

Subject:

RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Good Morning, Vernon,

NMSLO is in concurrence with NMOCD on additional sampling. Your re-vegetation plan is approved with the stipulation that if desired vegetation is not achieved in one years time, it will continue to be monitored.

Thank you,

Amber Groves

Remediation Specialist
Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88260



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From: Vernon Black [mailto:vblack@hungry-horse.com]

Sent: Monday, September 12, 2016 6:06 AM
To: Groves, Amber <agroves@slo.state.nm.us>

Subject: FW: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Good Morning Amber,

I sincerely apologize for not including you on this original e-mail when it was sent to the NM OCD. I just realized this weekend, I left you off. Anyway we're about to the point of starting to backfill, we just have one area behind the battery to dig more out of. Let me know what kind of seed you'd lie on this one.

Thanks, Vernon

From: Lynch, Kristen, EMNRD [mailto:Kristen.Lynch@state.nm.us]

Sent: Friday, September 09, 2016 9:34 AM

To: Vernon Black < vblack@hungry-horse.com >; djones@cambrianmgmt.com

Cc: Keyes, Jamie, EMNRD < Jamie.Keyes@state.nm.us>

Subject: RE: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

Good Morning,

In regards to our site meeting yesterday, NMOCD is requesting additional sampling as per our discussion.

Thank You,

Kristen D. Lynch Environmental Specialist, District 1 Oil Conservation Division, EMNRD (575) 393-6161 ext. 111 575-370-3180 (emergency-cell)

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Vernon Black [mailto:vblack@hungry-horse.com]

Sent: Wednesday, August 31, 2016 3:53 PM

To: Lynch, Kristen, EMNRD

Subject: Re: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

1000 hrs will ok.

Sent from my iPad Vernon K. Black

On Aug 31, 2016, at 14:32, Lynch, Kristen, EMNRD < Kristen. Lynch@state.nm.us > wrote:

Looking at our schedule 10:00 would be the earliest we could get out there. Let us know!

Thanks,

Kristen D. Lynch Environmental Specialist, District 1 Oil Conservation Division, EMNRD (575) 393-6161 ext. 111 575-370-3180 (emergency-cell)

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Vernon Black [mailto:vblack@hungry-horse.com]

Sent: Wednesday, August 31, 2016 1:02 PM

To: Lynch, Kristen, EMNRD

Subject: Re: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

I think Thursday, 8Sept, will work. The earlier the better for me. Let me know what time will work for you.

Sent from my iPad Vernon K. Black

On Aug 31, 2016, at 10:32, Lynch, Kristen, EMNRD < Kristen. Lynch@state.nm.us > wrote:

Vernon,

Jamie and I were wondering if you would like to schedule a field visit. We went out on Monday to get a visual of this site. We would like to visit with you onsite about your work plan. Thursday Sept 8 would be best for our group.

Thank You,

Kristen D. Lynch Environmental Specialist, District 1 Oil Conservation Division, EMNRD (575) 393-6161 ext. 111 575-370-3180 (emergency-cell)

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Vernon Black [mailto:vblack@hungry-horse.com]

Sent: Wednesday, August 31, 2016 8:05 AM

To: Keyes, Jamie, EMNRD; Lynch, Kristen, EMNRD

Subject: Fwd: Cambrian Mgmt Anderson Ranch Unit #16 Work Plan

I was just checking to see if you'd gotten a chance to look at this yet.

Sent from my iPad Vernon K. Black

Begin forwarded message:

From: "Vernon Black" <<u>vblack@hungry-horse.com</u>>
To: "Keyes, Jamie, EMNRD" <<u>Jamie.Keyes@state.nm.us</u>>
Subject: Cambrian Mgmt Anderson Ranch Unit #16 Work
Plan

Jamie, please see the attached work plan for the above referenced site. Please don't hesitate to contact me with any questions.

Thanks, Vernon K. Black Hungry Horse, LLC PO Box 1058 Hobbs, NM 88241

575-393-3386 office 575-631-2253 cell

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October 14, 2016

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: ANDERSON RANCH UNIT #16

Enclosed are the results of analyses for samples received by the laboratory on 10/10/16 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

Celes Theno

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 (505) 391-4585 Fax To:

10/10/2016 Received: 10/14/2016 Reported:

ANDERSON RANCH UNIT #16 Project Name:

NONE GIVEN Project Number: Project Location:

LEA COUNTY, NM

Sampling Date:

10/10/2016

Sampling Type:

** (See Notes)

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: SP 1 (H602272-01)

mg/	kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
< 0.050	0.050	10/12/2016	ND	2.15	107	2.00	2.56	
< 0.050	0.050	10/12/2016	ND	2.21	111	2.00	2.87	
< 0.050	0.050	10/12/2016	ND	2.15	108	2.00	2.86	
	0.150	10/12/2016	ND	6.47	108	6.00	3.14	
	0.300	10/12/2016	ND					
	Result <0.050	<0.050	Result Reporting Limit Analyzed <0.050 0.050 10/12/2016 <0.050 0.050 10/12/2016 <0.050 0.050 10/12/2016 <0.050 0.150 10/12/2016	Result Reporting Limit Analyzed Method Blank <0.050 0.050 10/12/2016 ND <0.050 0.050 10/12/2016 ND <0.050 0.050 10/12/2016 ND <0.150 0.150 10/12/2016 ND	Result Reporting Limit Analyzed Method Blank BS <0.050 0.050 10/12/2016 ND 2.15 <0.050 0.050 10/12/2016 ND 2.21 <0.050 0.050 10/12/2016 ND 2.15 <0.050 0.050 10/12/2016 ND 2.15 <0.150 0.150 10/12/2016 ND 6.47	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050 0.050 10/12/2016 ND 2.15 107 <0.050 0.050 10/12/2016 ND 2.21 111 <0.050 0.050 10/12/2016 ND 2.15 108 <0.150 0.150 10/12/2016 ND 6.47 108	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

Surrogate: 4-Bromofluorobenzene (PIL 98.0% 73.6-140

TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
,	<10.0	10.0	10/11/2016	ND	188	94.1	200	3.55	
GRO C6-C10			10/11/2016	ND	214	107	200	4.52	
DRO >C10-C28	<10.0	10.0	10/11/2016	ND	211	201			

35-147 98.7% Surrogate: 1-Chlorooctane 105 % 28-171 Surrogate: 1-Chlorooctadecane

Cardinal Laboratories

*=Accredited Analyte

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Ceden tremo



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:

10/10/2016

Reported:

10/14/2016

Project Name:

ANDERSON RANCH UNIT #16

Project Number:

Project Location:

NONE GIVEN

LEA COUNTY, NM

Sampling Date:

10/10/2016

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: SP 2 (H602272-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	< 0.050	0.050	10/12/2016	ND	2.15	107	2.00	2.56	
Benzene*	< 0.050	0.050	10/12/2016	ND	2.21	111	2.00	2.87	
Toluene*	< 0.050	0.050	10/12/2016	ND	2.15	108	2.00	2.86	
Ethylbenzene* Total Xylenes*	0.227	0.150	10/12/2016	ND	6.47	108	6.00	3.14	
Total BTEX	<0.300	0.300	10/12/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103	% 73.6-14	0						
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
•	<10.0	10.0	10/11/2016	ND	182	91.2	200	12.5	
GRO C6-C10 DRO >C10-C28	57.6	10.0	10/11/2016	ND	192	96.1	200	7.27	QM-07
Surrogate: 1-Chlorooctane	95.4	% 35-14	7						
Surrogate: 1-Chlorooctadecane	102	% 28-17	I						

Cardinal Laboratories

*=Accredited Analyte

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alega treene



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Celego treene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Hongry Hong		BILL TO	ANALYSIS REQUEST
Project Manager: Ust non K Black		P.O. #:	
Address: PO BOX 1058		Company:	
I.A	State: NM Zip: 8824	Attn:	
Phone #: 575-631-2253 Fax #: 575	Fax#: 575-391-4585	Address:	
Project #: Project Owne	Project Owner: CAMbian	City:	
Project Name: Anderson Ranch		State: Zip:	
Project Location: / COC N+ L		Phone #:	
Sampler Name:		Fax #:	
	MATRIX	PRESERV SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / GOOL OTHER: DATE	TPH BTEX
	,	10-10-6 1:00	\
7 5pz	0		
PLEASE NOTE: Lability and Desveyor. Cardinal's lability and dent's exclusive remedy to	Bry Claim adject, whether based in contrac	it or first shall be smalled to the amount said by the client	

Sellinguished By: Relinquished By: Delivered By: (Circle One) Date: 10-16 Phone Result: Fax Result: REMARKS: ☐ Yes ☐ No

> Add'l Phone #: Add'l Fax #:

Sample Condition CHECKED BY:
Cool Intact
Cyes Dives
No No

Sampler - UPS - Bus - Other:



October 14, 2016

VERNON BLACK
Hungry Horse Environmental
P.O. Box 1058
Hobbs, NM 88240

RE: ANDERSON RANCH UNIT #16

Enclosed are the results of analyses for samples received by the laboratory on 10/13/16 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

Celeg & Keens

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240

Fax To:

(505) 391-4585

Received:

10/13/2016

Reported: Project Name: 10/14/2016 ANDERSON RANCH UNIT #16

Project Number:

NONE GIVEN

Project Location:

Analyte

LEA COUNTY, NM

Sampling Date:

Sampling Type:

10/07/2016

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

400

Jodi Henson

Sample ID: SP 1 (H602309-01)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Reporting Limit

Analyzed

10/14/2016

Method Blank ND

% Recovery BS

True Value QC

RPD

Qualifier

Chloride

Result 112

16.0

100

400

3.92

Sample ID: SP 2 (H602309-02)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Acceptability Committee	<16.0	16.0	10/14/2016	ND	400	100	400	3.92	
Chloride	11010								

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such 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.

Celeg theens



ND

Notes and Definitions

Relative Percent Difference RPD 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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories

*=Accredited Analyte

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Celeg I Frence



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

(575) 393-2326 FAX (575) 393-2476			> F	ANALYSIS REQUEST	
Mamp.		BILL TO	N.Y.		
rolect Manager:	P	P.O. #:			
		Company:			
		Attn:			
# 575-631-2253	-	Address:			
	S. S. S.				Construction of the Constr
ame: Araplas		State: ZIP:	S		
Project Location: (CV)		Phone #:	CE		
		1			
1	MATRIX	PRESERV SAMPLING			a grant fait to labeled
Lab I.D. Sample I.D.	IL LUDGE	OTHER: CID/BASE: CE/COOL DTHER: DATE	Chlor		
1 SDI	# C GR WA \ \ SO OIL SL	10-8746			
		Angelous de la constante de la			
PLEASE NOTE: Liability and Damague. Certificate leptarty and client's exclusive remerty for any chain activity whether based a contract or but shall be limited to the amount paid by the client but the PLEASE NOTE: Liability and Damague. Certificate leptarty and client's exclusive remerty for any chain activities make in writing and seceived by Cardinal within 30 days after completion of the activitable place. At always inhealth the based of the contract by client, the substitution.	In any claim arising whether based a contra the deerined waved unless made in willing a	based in contrast of bit, shall be limited to the amount paid by the client for the lade in writing and selected by Cardinal within 10 lates after completion of the a lade in writing and selected by Cardinal within 10 lates after completion of the a lade in writing and selected by cardinal within 10 lates. It is substitutines.	of the 9% Lof the applicable padaries.		
service. In no event shall Certifical the liable for incidental or consentential damapts, including wallout amends wholled such claim is based upon any of the interest of otherwise. Phone Result. Relinquished By: Date: Representation of the deliver of the deliver of the incidental properties of the incident of th	Regelived By:	n is based upon any of the shove stated reasons or otherwise. Phone Resil	Phone Result: Yes No Fax Result: Yes No	Add'l Phone #: Add'l Fax #:	
Reinfaulshed By:	Raceived By:	LEMARKS:			
Time:	Sample Cond	OH C			
Delivered By: (Circle One)	Cool Intact				

Sampler - UPS - Bus - Other:

Grand Banks Energy-Anderson Ranch Unit #16











