

Robert Grubbs Sr. Environmental Coordinator



By JKeyes at 2:06 pm, Apr 04, 2016

RECEIVED

Oil Conservation Division District 1 – Hobbs 1625 N. French Drive Hobbs, New Mexico 88240

Re: Albatross State Com #2H 30-025-41544 SEC.30-T18S-R35E Lea, NM

Mr. Jaimie Keyes,

COG Operating LLC would like to submit for your consideration the enclosed closure request for the above captioned well. The request is in response to the C-141 Initial report dated February 23, 2016.

This release was caused by a gasket failure on a fresh water knock out resulting in the release of 20 barrels of oil of which 5 barrels of oil was recovered. This release was mostly contained with the lined containment of the facility, however, overspray misted the pasture south east of the location. The area impacted in the pasture was approximately 0.39 acres. Vacuum trucks were dispatched to recover standing fluid from the lined facility as well as the pasture. Microblaze was immediately applied to the impacted area occurring outside of the containment in the pasture. The attached site diagram depicts the approximate area impacted by the release along with the approximate sampling points.

Based on the Chevron-Texaco Trend Maps, the release area would be classified at a site ranking of 10 with a depth to groundwater of 50' > 100'.

NMOCD March 24, 2016 Page 2

Soil Assessment and Analytical Results

Depth to GW per SEO: 50' > 100'									
BTEX	GRO	DRO	TPH	CI-					
<0.300	<10.0	<10.0	<10.0	<16.0					
<0.300	<10.0	<10.0	<10.0	<16.0					
BTIEX	GRO	DRO	TIPH	Cl-					
<0.300	<10.0	<10.0	<10.0	<16.0					
<0.300	<10.0	<10.0	<10.0	<16.0					
BTEX	GRO	DRO	TIPH	CI-					
<0.300	<10.0	<10.0	<10.0	<16.0					
<0.300	<10.0	<10.0	<10.0	<16.0					
	BTEX <0.300 <0.300 BTEX <0.300 <0.300 BTEX <0.300	BTEX GRO <0.300	BTEX GRO DRO <0.300	BTEX GRO DRO TPH <0.300					

Below is a summary of the attached analytical results:

COG Operating LLC proposes that no excavation be required in the pasture based on the analytical results obtained.

If there are no objections or further stipulations, COG Operating LLC requests closure of the above captioned location. Please feel free to contact me with any questions or concerns at 432.818.2369.

Sincerely,

Robert Grubbs,

Sr. Environmental Coordinator

Enclosure(s): Site Diagram Analytical Results C-141 Initial (Copy) C-141 Final Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC,

			Rele	ase Notific	ation and Co	orrective A	ction		· · · · · ·
					OPERA	ror	🔀 Initial	Report	Final Report
Name of Co	mpany: C	OG Operatio	ng LLC		Contact: Ro	bert McNeill			
Address: 60	0 West Illi	nois Avenue	, Midlan	d TX 79701	Telephone N	lo. 432-230-003	77		
Facility Nan	ne: ALBA	TROSS STA	TE CON	/I #002H	Facility Typ	e: Battery			
Surface Ow	ner:			Mineral C	wner: State		API No.	30-025-415	44
				LOCA	TION OF REI	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	(County
В	30	18S	35E	190'	North	1980'	East		Lea
				Latitude 32.	725502 Longitude	-103.4947205			

NATURE OF RELEASE

Type of Release:	Volume of Release:	Volume R	ecovered:
Qil	20 bbls	5 bbls	
Source of Release:	Date and Hour of Occurrence:		lour of Discovery:
Gasket	2/9/2016 11:00 am	2/9/2016 1	1:00 am
Was Immediate Notice Given?	If YES, To Whom?		
🗌 Yes 🔲 No 🖾 Not Required			
By Whom?	Date and Hour:		
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.	
🗌 Yes 🖾 No			
If a Watercourse was Impacted, Describe Fully.*	1		-
Describe Cause of Problem and Remedial Action Taken.*	a at . a a		
This release was caused when a gasket on failed on a FWKO. Vacuum tr	ucks were dispatched to recover the s	tanding fluid.	
Describe Area Affected and Cleanup Action Taken.*			
sector from the terrored and croates therein function			
The release occurred within a lined containment. A spray of oil misted ov	er the pad and nearby pasture. Conch	o will have th	e spill site sampled to
delineate any possible contamination from the release and we will present			
remediation work.	•		
-			
I hereby certify that the information given above is true and complete to t			
regulations all operators are required to report and/or file certain release n			
public health or the environment. The acceptance of a C-141 report by th			
should their operations have failed to adequately investigate and remediat			
or the environment. In addition, NMOCD acceptance of a C-141 report d federal, state, or local laws and/or regulations.	oes not relieve the operator of respon	sibility for co	mpliance with any other
reactar, state, of local laws and/of regulations.	OIL CONSERV		DIVISION
,	<u>OIL CONSER</u>	VATION	DIVISION
Simplura Rock Amp			
Signature:	Approved by Environmental Speciali	ct.	
	Approved by Environmental Specian	31.	
Printed Name: Robert Grubbs			
Title: Senior Environmental Coordinator	Approval Date:	Expiration D	ate:
E-mail Address: rgrubbs@concho.com	Conditions of Approval:		Attached
			a
Date: February 23, 2016 Phone: 432-230-0077			

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rele	ase Notific	ation	and Co	orrective A	ction				
					C	PERA	ГOR		🗋 Initia	al Report	\boxtimes	Final Report
Name of Co	mpany: C	OG Operati	ng LLC		C	ontact: Ro	bert McNeill					
Address: 60	0 West Illi	nois Avenu	e, Midlan	d TX 79701	Te	elephone N	No. 432-230-00	77				
Facility Nar	ne: ALBA	TROSS STA	ATE CON	4 #002H	Fa	icility Typ	e: Battery					
Surface Ow	ner:			Mineral O	wner: Sta	ate			API No	. 30-025-4	1544	
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		outh Line	Feet from the	East/West Line		County		ty
<u> </u>	30	18S	35E	190'	No	orth	1980'	E	ast		Lea	
				Latitude 32.7	725502 L	.ongitude	-103.4947205					
				NAT	URE O	F RELI	EASE					
Type of Relea	ise:					Volume of	Release:		Volume Recovered:			
Oil						20 bbls			5 bbls			
Source of Rel	lease:					Date and Hour of Occurrence:			Date and Hour of Discovery:			
Gasket						2/9/2016 1			2/9/2016	11:00 am		
Was Immedia	ate Notice C					If YES, To	Whom?					
			Yes 🗌	No 🕅 Not Re	ouired							

Oil	20 bbls	5 bbls	ecovered:
Source of Release:	Date and Hour of Occurrence:		lour of Discovery:
Gasket	2/9/2016 11:00 am	2/9/2016 1	
Was Immediate Notice Given?	If YES, To Whom?	·	
🗌 Yes 🔲 No 🖾 Not Required			
By Whom?	Date and Hour:	·	
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	itercourse.	
🗌 Yes 🖾 No			
If a Watercourse was Impacted, Describe Fully.*			
Describe Cause of Problem and Remedial Action Taken.*			
This release was caused when a gasket on failed on a FWKO. Vacuum tr	ucks were dispatched to recover the s	tanding fluid.	
Describe Area Affected and Cleanup Action Taken.*			
The release occurred within a lined containment. A spray of oil misted ov		o had the spill	l site sampled to delineate any
possible contamination from the release. Attached is sampling analysis in	dicating RRALs were achieved.		
I hereby certify that the information given above is true and complete to t	he best of my knowledge and underst	and that pursu	ant to NMOCD rules and
regulations all operators are required to report and/or file certain release n			
public health or the environment. The acceptance of a C-141 report by the			
should their operations have failed to adequately investigate and remediat			
or the environment. In addition, NMOCD acceptance of a C-141 report d	loes not relieve the operator of respon	sibility for co	mpliance with any other
federal, state, or local laws and/or regulations.	OIL CONSERV		
. /	<u>OIL CONSER</u>	VALION I	DIVISION
Signature: Robert Sharf			
Signature:	Approved by Environmental Speciali	st: Agaa	K Unger
		June	- inge
Printed Name: Robert Grubbs			
Title: Senior Environmental Coordinator	Approval Date: 04/04/2016	Expiration D)/// Date:
E-mail Address: rgrubbs@concho.com	Conditions of Approval:		Attached
Date: March 17, 2016 Phone: 432-230-0077	///		1RP 4194

* Attach Additional Sheets If Necessary





March 15, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: ALBATROSS ST COM 2H TK BAT

Enclosed are the results of analyses for samples received by the laboratory on 03/09/16 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited analytes are denoted analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/

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. Keine

Celey D. Keene Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	03/09/2016	Sampling Date:	03/02/2016
Reported:	03/15/2016	Sampling Type:	Soil
Project Name:	ALBATROSS ST COM 2H TK BAT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1 - SURFACE (H600517-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.6	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
	89.8	% 35-147							
Surrogate: 1-Chlorooctadecane	104 9	6 28-171							

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Celling Di Kuns

Celey D. Keene, Lab Director/Quality Manager

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COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	03/09/2016	Sampling Date:	03/02/2016
Reported:	03/15/2016	Sampling Type:	Soil
Project Name:	ALBATROSS ST COM 2H TK BAT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1 - 1' (H600517-02)

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	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorobenzenc (PIE	99.2 9	6 73.6-14	0						
Chloride, SM4500CI-B	mg/l	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	416	104	400	3.92	
TPH 8015M	mg/l	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
Surrogate: 1-Chlorooctane	87.7 9	6 35-147							
Surrogate: 1-Chlorooctadecane	99.6 9	6 28-171							

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PLEASE NOTE: Liabley and Damages. Cardinal's labbity and cherrit's exclusive remedy for any claim ansing, whether based in controct or tort, shall be limited to the amount paid by cleint for enalyses. All claims, including those for negligence and any other cause whatsoever shall be deterned waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no evert shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or foots of profits incurred by client, its advantance, affiliates or excessors arraing out of or material 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 resproduced except in full with written approval of Cardinal Laboretones.

Celling D. Kenne -

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	03/09/2016	Sampling Date:	03/02/2016
Reported:	03/15/2016	Sampling Type:	Soil
Project Name:	ALBATROSS ST COM 2H TK BAT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S2 - SURFACE (H600517-03)

BTEX 80218	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	0.061	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorobenzenc (PIL	99.7 9	6 73.6-14	0						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	NÐ	400	100	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
Surrogate: I-Chlorooctane	99.6%	6 35-147	and the second						
Surrogate: I-Chlorooctadecane	117 %	6 28-171							

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PLEASE NOTE: Labbley and Damages. Cardinal's Babley and chern's exclusive remedy for any claim artuing, whether based in contract or tort, shall be limited to the amount paid by chern for analyses. All claims, including tropse for negligence and any other cause whistoever shall be deemed waved unless made in writing and received by Cardinal witten thirty (30) days after completion of the applicable service. In no event shall Cardinal be Bable for incidencial or consequential damages, including, without limitsion, buaness interruptions, loss of use, or loss of profits incurred by Clemit, its sublishees, affiliates or accession artsing out of or related to the performance of the services hereunder by Cardinal, regardless of whether same claim is based upon any of the above stated reasons or otherwes, Results relate only to the samples identified above. This spont shall not be interployeed except in full with withen stores stated reasons or otherwes.

Celling Di Keine

Celey D. Keene, Lab Director/Quality Manager

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COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	03/09/2016	Sampling Date:	03/02/2016
Reported:	03/15/2016	Sampling Type:	Soil
Project Name:	ALBATROSS ST COM 2H TK BAT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S2 - 1' (H600517-04)

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	03/14/2016	ND	2.15	107	2.00	4.48	
Toluene*	<0.050	0.050	03/14/2016	ND	2.09	104	2.00	5.31	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.87	93.6	2.00	4.18	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.70	95.1	6.00	3.38	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIE	99.9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
Surrogate: 1-Chlorooctane	92.5 5	% 35-147	,						

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PLEASE NOTE: Liabday and Damages. Cardinal's Bability and clearc's exclusive remedy for any clear ansing, whether based in contract or tort, shall be limited to the amount paid by cleart for analyses. All cleares, 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 lable for incidental or consequential damages, including, without limitsoon, business enterruptions, loss of use, or loss of whether such clairs 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 Laboratores.

Calley D Kenne

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	03/09/2016	Sampling Date:	03/02/2016
Reported:	03/15/2016	Sampling Type:	Soll
Project Name:	ALBATROSS ST COM 2H TK BAT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S3 - SURFACE (H600517-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/14/2016	ND	2.15	107	2.00	4.48	
Toluene*	<0.050	0.050	03/14/2016	ND	2.09	104	2.00	5.31	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.87	93.6	2.00	4.18	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.70	95.1	6.00	3.38	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate 4-Bromofluorobenzene (PIE	100 %	6 73 6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
Surrogate: 1-Chlorooctane	90.1 9	6 35-147	,		3.9				
Surrogate: 1-Chlorooctadecane	110%	6 28-171							

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PLEASE NOTE: Labelity and Damages. Cardinal's labelity and client's exclusive remety for any claim arsing, 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 whistoever shall be deemed waved unless made in writing and received by Claims), including those for negligence and any other cause whistoever shall be deemed waved unless made in writing and received by Claims), and and then they (30) days after completion of the applicable service. In no event shall Cardinal be labele for incidential or consequential damages, including, writious finitedion, business interruptions, loss of use, or loss of profits incurred by client, its auditatives, affiliates or successors arising out ef or related to the performance of the services hereunder by Cardinal, regardless of whether buch dams bared upon any of the above stated relations of otherwise. Results relate only to be samples hall not be performable in the performance of the services hereunder by Cardinal, regardless of whether buch dams bared upon any of the above stated relations of otherwise.

Celley D Kenne -

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

5-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500CI-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 Di Kenne-

Celey D. Keene, Lab Director/Quality Manager

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Project Manager: Dakota Neel		P.O. #:		_	_	-
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City: Artesia State: NM	Zip 88210		AcNeill	_		
Phone #: (575) 748-6930 Fax #:		858:	600 W 珊nois	_		
Project #: Project Owner:	••		R			
Project Name: Albatross St Com 2H TK BAT		i XT zij	701			
Project Location:		Phone #: (432) 221-0388	8	5		
Sampler Name: Dakota Neel		Fax #:		_		
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