JUL 13 2011

CHLORIDE levels for:

## Lab Reports May 26, 2011

NMOCD ARTESIA

# Sample Holes for ORE IDA 14 No. 10

S	S-1		-2	S-3 S-4		S-4		BG	S-1
Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	Feet	Chlorides
0'	41600	0'	64000	0'	43200	0'	23200	0'	16
2'	1920	2'	592	2'	288	2'	592	2'	
4'	656	4'	1300	4'	3040	4'	688	4'	
6'	2040	6'	48	6'	32	6'	336	6'	
8'	768	8'	208	8'	32	8'	160	8'	1
10'	384	10'	16	10'		10'		10'	
12'	352	12'	144	15'		15'		15'	

CHLORIDE levels for:

### Lab Reports June 29, 2011

S	-5	S-6		S	-7	S	-8		5-9
Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	Feet	Chlorides
1'	1410	1'	16	1'	176	1'	80	1'	464
2'	288	21	96	2'	288	2'	192	2'	544
3'	432	3'	208	3'	512	31	496	3'	448
4'	528	4'	256	4'	272	4'	384	41	96
5'	432	5'	176	5'	192	5'	320	5 <sup>;</sup>	48
6'	416	6'	64	6'	64	6'	352	6'	48
S-	10	S-	11	S-12		S-1			
Feet	Chlorides	Feet	Chlorides	Feet	Chlorides	Feet	Chlorides		
1'	496	1'	880	1'	352	1'	128		
2'	592	2'	4040	2'	160	2'	448		
3'	576	3'	944	3'	624	3'	464		
4'	416	4'	368	4'	240	4'	320		
5'	544	5'	128	5'	160	5'	144		
6'	336	6'	80	6'	176	6'	48		



## Project Map / Site Diagram

DRAW NORTH ARROW HERE

AMARALO - Austri - molano - sahantotto - tyler - tylsa, ok - artesia, ku - hobbs, ku Project Manager: Mike Stubblefield Time: Project Number and Name: Notes: Dre Ida 14 No 10 SWD mpacted Area. 15-9 720! 5.3 748 5-10 840 5-11 960' 5-12 1080 Dre Ida 14 No 12 Flowline Prepayed by:

Kimberly M. Wilson Document must be submitted Select One: with Dralting Request Form Page of \_ Scaled (1"= )/Measured



RECEIVED

JUL 13 2011

NMOCD ARTESIA

June 29, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ORE IDA 14 FEDERAL NO. 10

Enclosed are the results of analyses for samples received by the laboratory on 06/27/11 11:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

06/27/2011

Reported: Project Name: 06/29/2011

ORE IDA 14 FEDERAL NO. 10

Project Number:

700794.012.01

Project Location:

ULI-14-T24S-R29E

Sampling Date:

06/23/2011

Soil

Sampling Type: Sampling Condition:

\*\* (See Notes)

Sample Received By:

Jodi Henson

#### Sample ID: S - 5 1' (H101321-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	06/27/2011	ND	416	104	400	3.92	
Sample ID: S - 5 2' (H10	1321-02)								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/27/2011	ND	416	104	400	3.92	
Sample ID: S - 5 3' (H10	1321-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/27/2011	ND	416	104	400	3.92	
Commister C. F. 41 (1140									
Sample 10: 5 - 5 4 (H10	1321-04)								
•	1321-04) mg	/kg	Analyze	d By: HM					
Sample ID: S - 5 4' (H10 Chloride, SM4500Cl-B Analyte		/kg Reporting Limit	Analyze Analyzed	d By: HM  Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

#### Cardinal Laboratories

\*=Accredited Analyte

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Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager



TALON LPE MIKE STUBBLEFIELD 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/27/2011

Sampling Date:

06/23/2011

Reported:

06/29/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

\*\* (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample ID: S - 5 5' (H101321-05)

Chloride, SM4500Cl-B		
	Chlorida	CM4EOOCL D

m	a	1	k

#### Analyzed By: HM

Analyte

Chloride

Result

432

Reporting Limit 16.0

Analyzed 06/27/2011 Method Blank BS

416

ND

% Recovery 104

True Value QC 400

RPD

Qualifier

3.92

Sample ID: S - 5	6' (H101321-06)
Chloride SM4500Cl-B	

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	`True Value QC	RPD	Qualifier
Chloride	416	16.0	06/27/2011	ND	432	108	400	0.00	

#### Sample ID: S - 6 1' (H101321-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/27/2011	ND	432	108	400	0.00	

#### Sample ID: S -6 2' (H101321-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM				,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/27/2011	ND	432	108	400	0.00	

#### Sample ID: S - 6 3' (H101321-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/27/2011	NĐ	432	108	400	0.00	

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Celeg & Keine

Celey D. Keene, Lab Director/Quality Manager



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Fax To:

(575) 745-8905

Received:

06/27/2011

Sampling Date:

06/23/2011

Reported:

06/29/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

\*\* (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

#### Sample ID: S - 6 4' (H101321-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 6 5' (H10	1321-11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 6 6' (H10	1321-12)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 7 1' (H10	1321-13)								
Chloride, SM4500Cl-B	=	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/27/2011	ND	432	108	400	0.00	
Sample ID: S - 7 2' (H10	1321-14)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/27/2011	ND	432	108	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:

06/27/2011

06/29/2011

Sampling Date:

06/23/2011

Reported:

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

\*\* (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

Sample ID: S - 7 3' (H101321-15)

-up.			(
Chloride.	SM4500	CI-B	

Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/27/2011	ND	432	108	400	0.00	

#### Sample ID: S - 7 4' (H101321-16)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM	<u>.</u>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/28/2011	ND	432	108	400	0.00	

#### Sample ID: S - 7 5' (H101321-17)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/28/2011	ND	432	108	400	0.00	

#### Sample ID: S - 7 6' (H101321-18)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/28/2011	ND	432	108	400	0.00	

#### Sample ID: S - 8 1' (H101321-19)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM		_	<u> </u>	· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/28/2011	ND	432	108	400	0.00	

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Sampling Date:

06/23/2011

Reported:

06/29/2011

Sampling Type:

Soil

Project Name:

ORE IDA 14 FEDERAL NO. 10

Sampling Condition:

\*\* (See Notes)

Project Number:

700794.012.01

Sample Received By:

Jodi Henson

Project Location:

ULI-14-T24S-R29E

#### Sample ID: S - 8 2' (H101321-20)

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	192	16.0	06/28/2011	ND	432	108	400	0.00	
Sample ID: S - 8 3' (H10	01321-21)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	496	16.0	06/28/2011	ND	432	108	400	0.00	
Sample ID: S - 8 4' (H10	)1321-22)		-						
	mg	/kg	Analyze	! <u></u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie