



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

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May 29, 2014

MICHELLE MULLINS

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: HONEY GRAHAM 29-6

Enclosed are the results of analyses for samples received by the laboratory on 05/28/14 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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

**Analytical Results For:**

 COG OPERATING  
 MICHELLE MULLINS  
 P. O. BOX 1630  
 ARTESIA NM, 88210  
 Fax To: NONE

 Received: 05/28/2014  
 Reported: 05/29/2014  
 Project Name: HONEY GRAHAM 29-6  
 Project Number: NONE GIVEN  
 Project Location: BASIN

 Sampling Date: 05/28/2014  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: T-1 3' (AH2) (H401632-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/29/2014	ND	400	100	400	0.00	

**Sample ID: T-1 5' (AH2) (H401632-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/29/2014	ND	400	100	400	0.00	

**Sample ID: T-1 7' (AH2) (H401632-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/29/2014	ND	400	100	400	0.00	

**Sample ID: T-1 9' (AH2) (H401632-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/29/2014	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> COG Operating LLC <b>Project Manager:</b> Michelle Mullins <b>Address:</b> 207 W Main <b>City:</b> Ames IA <b>State:</b> <b>Zip:</b> <b>Phone #:</b> 515-254-1052 <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> Hwy 29-6 <b>Project Location:</b> 655 N <b>Sampler Name:</b> Michelle Mullins <small>FOR LAB USE ONLY</small>				<b>P.O. #:</b> <b>Company:</b> COG <b>Attn:</b> Robert McNeill <b>Address:</b> 600 W Illinois <b>City:</b> Milled <b>State:</b> IA <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>			
<b>Lab I.D.</b> #401632-		<b>Sample I.D.</b> 01 T-1 3' (A112) 02 T-1 5' (A112) 03 T-1 7' (A112) 04 T-1 9' (A112)		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING DATE TIME	
Relinquished By: Michelle Mullins Date: 5-28-79 Time: 2:30pm		Received By: [Signature] Date: 5-30-79 Time: 3:30		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: [Signature] REMARKS: Rush straight from field	