



Lupe Carrasco
Environmental Coordinator

April 27, 2015

Oil Conservation Division
District 2 – Artesia
811 S. First St.
Artesia, NM 88210

**Re: Patton 5 Fee #2H
Sec. 5, T19S-R24E
Eddy County, NM**

Mrs. Heather Patterson,

COG Operating LLC would like to submit for your consideration the enclosed analytical results for the witness samples taken on April 21, 2015.

The sampling was in response to the request for further delineation of the area labeled as B4 and BA. The samples were taken with a trac-hoe and measurements of the trench were estimated due to the peril associated with an open trench.

If there are no objections or further stipulations, COG Operating LLC would like to begin the remediation process based on approval of the work plan submitted on March 13, 2015. Please feel free to contact me with any questions or concerns at (575) 748-6933.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lupe Carrasco".

Lupe Carrasco
Environmental Coordinator

Enclosure(s): Analytical Results

April 24, 2015

LUPE CARRASCO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: PATTON 5 FEE #2H

Enclosed are the results of analyses for samples received by the laboratory on 04/24/15 8:00.

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.

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
LUPE CARRASCO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 04/24/2015
Reported: 04/24/2015
Project Name: PATTON 5 FEE #2H
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 04/21/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: B4-15' (H501065-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/24/2015	ND	416	104	400	0.00	

Sample ID: B4-17' (H501065-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/24/2015	ND	416	104	400	0.00	

Sample ID: B4-19' (H501065-03)

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	04/24/2015	ND	416	104	400	0.00		

Sample ID: B4-21' (H501065-04)

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	04/24/2015	ND	416	104	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

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

+ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476