

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,

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 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 D. Keine

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

Sampling Date:

04/21/2015

Reported:

04/24/2015

Sampling Type:

Soil

Project Name:

PATTON 5 FEE #2H NONE GIVEN

Sampling Condition: Sample Received By: ** (See Notes) Jodi Henson

Project Number: Project Location:

NOT GIVEN

Result

32.0

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte

Reporting Limit

16.0

Reporting Limit

Reporting Limit

Reporting Limit

16.0

Analyzed 04/24/2015

Analyzed

Analyzed

04/24/2015

Method Blank ND

BS 416 % Recovery

104

True Value QC

RPD Oualifier

0.00

Chloride

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

Chloride, SM4500Cl-B

Analyte

Analyte

Analyte

mg/kg

Analyzed By: AP

% Recovery

True Value QC

400

RPD Qualifier

Chloride

Result 32.0

16.0 04/24/2015 Method Blank ND

ND

ND

BS 416

BS

416

104

400

0.00

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

Chloride

Result <16.0

Result

<16.0

16.0

04/24/2015

104

400

0.00

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyzed

Method Blank

BS

416

% Recovery

104

True Value QC

400

RPD 0.00 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celley Litreens



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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Celeg Litreno -



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

4 4	PLEASE WOTE: Labifity and Durnages. Cardenat's lability and client's carclusive temedy fix any darm airsony whether based in contract or fart, shall be limited to the amount paid by this client for the analysis. All claims including those for nepriories and any other completion of the analysis.	\$\\ \B4-21'	3 B4-19'	2 B4-17'	B4-15	Lab I.D. Sample I.D.	FOR LAB USE ONLY	Sampler Name: Lupe Carrasco	Project Location:	Project Name: Patton 5 Fee #2	Project #: Pro	Phone #: (575) 748-6940 Fax	City: Artesia S	Address: 2208 West Main	Project Manager: Lupe Carrasco	Company Name: COG Operating LLC	(575) 393-2326 FAX (5/5) 393-24/6
Tube: The Relinquished By: Tube: T	chaser remedy for any claim arising whether based in whatever is also be deemed waterd unless made in in					(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL	MATRIX				Project Owner:	Fax #:	State: NM Zip 88210				0/5) 393-24/6
salton, bushness whenruptens, lons at use, or loads of profils incurred by clair articles of whether such claim is based upon any of the above stated reaso lived By:	centract or fact, whall be irrelated to the amount paid by the angular paid by Cardinal within 30 days after oc	4/21/15	4/21/15	4/21/15	4/21/15	OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	NX PRESERV. SAMPLING	Fau	Phone #: (432) 221-0388	State: TX Zip: 79701	City: Midland	Address: 600 W Illinois	Attn: Robert McNeill	Company: COG Operating LLC	P.O. #:	BILL TO	
ampleton of the applicable rt, its subscitatives, order of principles	y the client for the completion of the applicable	×	×	×	×	BTEX TPH Chloride	6					nois	0	ng LLC		ANALYSIS	
ne 丼																IS REQUEST	

Sample Condition
Cool Intact

Yes Yes
No | No

NSON

Relinquished By:

Sampler - UPS - Bus - Other: FORM-006 R 2.0

Delivered By: (Circle One)

Time: