



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

COG – SLY HAWK STATE COM #5

REMEDIATION PLAN

COG will excavate the spill area as depicted on the following site diagram. The spill area covering areas near S1 and S2 will require no further action. In the area of S3, the excavation will be 1 foot in depth. The entire site will be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Sly Hawk State Com #5

30-015-35103
Sec 3 T25S R28E

Legend

- Sampling Point
- Area of Impact (AOI)





Groundwater Plot

Concho Sly Hawk State #5 Oil Battery

County
Eddy

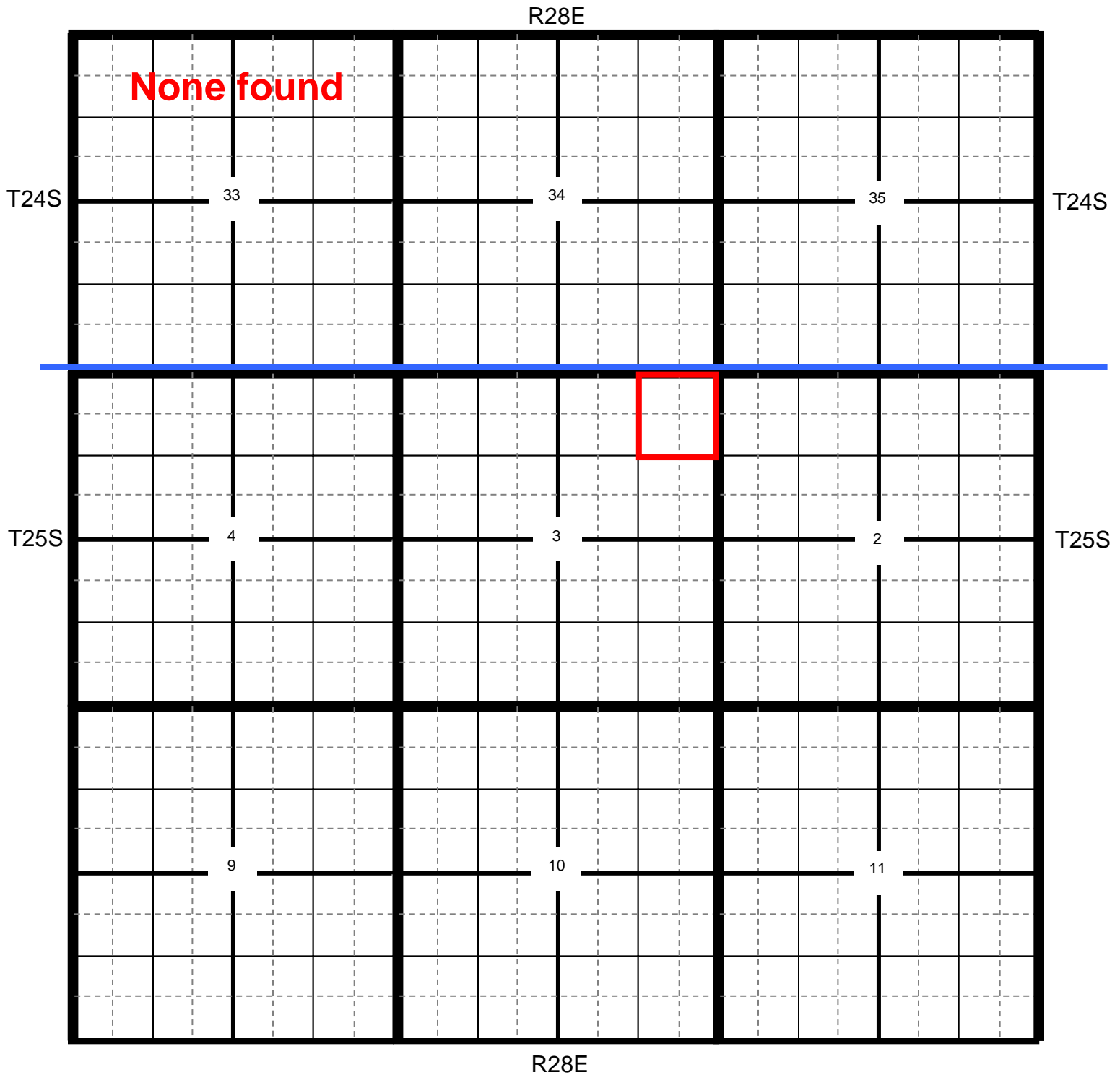
Unit Letter
A

Section
3

Township
25S

Range
28E

Trend Map <50'



★ Location

● OCD

● USGS

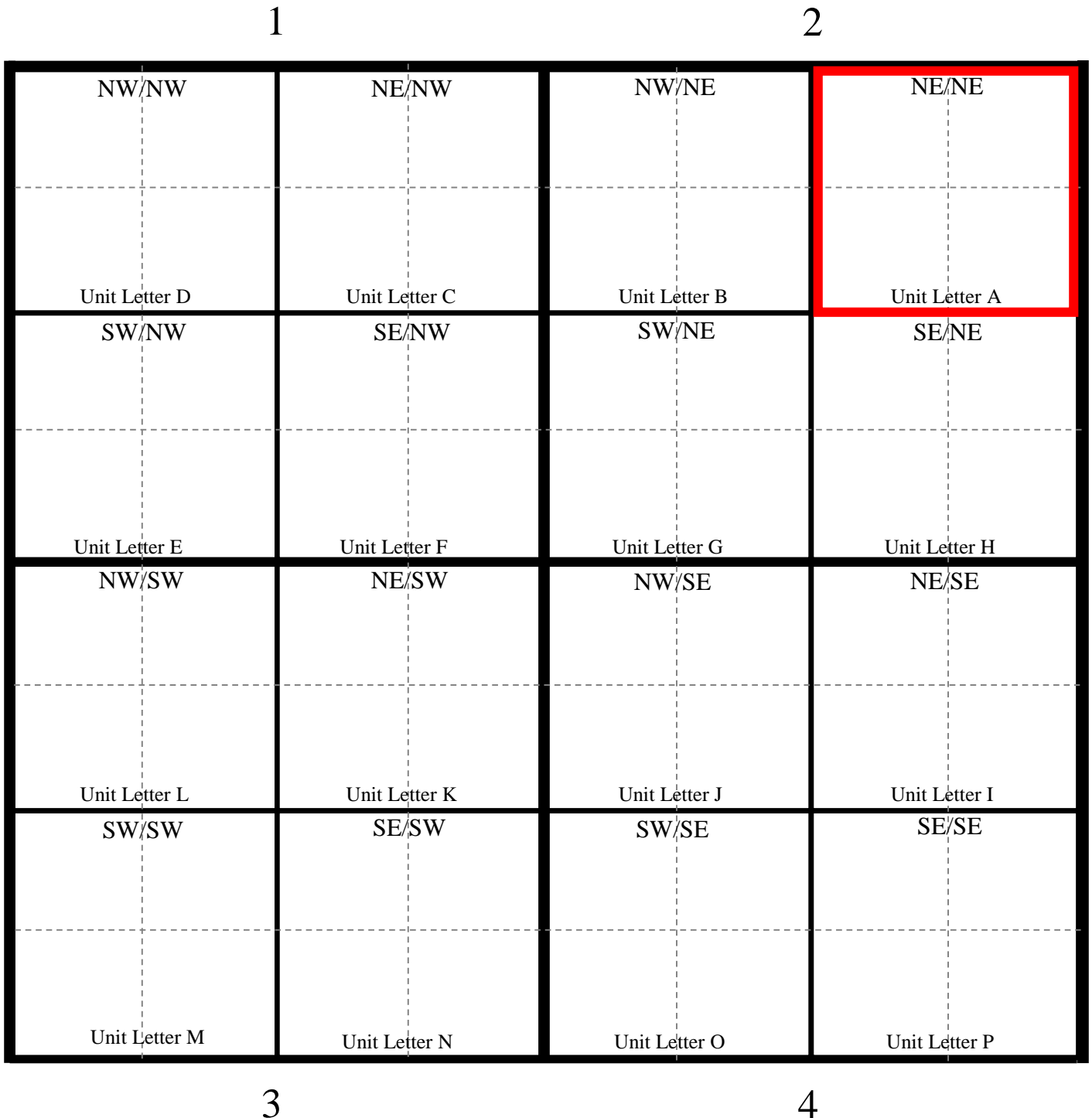
● SEO

● All Databases

Concho Sly Hawk State #5

County Eddy **Unit Letter** A **Section** 3 **Township** 25S **Range** 28E

Trend Map <50'



Laboratory Analytical Results Summary
Sly Hawk State #5

		Sample	S1 @ 1'	SP1 @ 2'	S1 @ 3'	S1 @ 4'
Analyte	Method	Date	8/12/15	8/12/15	8/12/15	8/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		32	64	224	112

		Sample	S2 @ 1'	SP2 @ 2'	S2 @ 3'	S1 @ 4'
Analyte	Method	Date	8/12/15	8/12/15	8/12/15	8/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		128	224	208	96

		Sample	S3 @ 1'	SP3 @ 2'	S3 @ 3'	S3 @ 4'
Analyte	Method	Date	8/12/15	8/12/15	8/12/15	8/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2120	880	944	368

August 27, 2015

LUPE CARRASCO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: SLY HAWK STATE COM #5

Enclosed are the results of analyses for samples received by the laboratory on 08/21/15 11:07.

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: 08/21/2015
Reported: 08/27/2015
Project Name: SLY HAWK STATE COM #5
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/12/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Judy Garcia

Sample ID: S1 1' (H502214-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S1 2' (H502214-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S1 3' (H502214-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S1 4' (H502214-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/24/2015	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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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: 08/21/2015
 Reported: 08/27/2015
 Project Name: SLY HAWK STATE COM #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/12/2015
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Judy Garcia

Sample ID: S2 1 (H502214-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S2 2 (H502214-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S2 3 (H502214-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S2 4 (H502214-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S3 1 (H502214-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	08/24/2015	ND	432	108	400	3.77	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:COG OPERATING
LUPE CARRASCO
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONEReceived: 08/21/2015
Reported: 08/27/2015
Project Name: SLY HAWK STATE COM #5
Project Number: NONE GIVEN
Project Location: NOT GIVENSampling Date: 08/12/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Judy Garcia**Sample ID: S3 2 (H502214-10)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S3 3 (H502214-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	08/24/2015	ND	432	108	400	3.77	

Sample ID: S3 4 (H502214-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/24/2015	ND	432	108	400	3.77	

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*=Accredited Analyte

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Caley 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



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

Company Name: COG Operating LLC

Project Manager: Lupe Carrasco

Address: 2208 West Main

City: Artesia

Phone #: (575) 748-6940

Project #:

Project Name: Sly hawk

Project Location:

Sampler Name: Lupe Carrasco

P.O. #:

Company: COG Operating LLC

Attn: Robert McNeill

Address: 600 W Illinois

City: Midland

State: TX Zip: 79701

Phone #: (432) 221-0388

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	BTEX	TPH	Chloride							
	H502214	511 501 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600	X	1	X	X	X	X	X	8/12/15	8:30am			X					

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Relinquished By:

Relinquished By: [Signature]

Date:

8/20/15

Time: 4:30am

Date: 8/21-15

Time: 11:07

Received By:

Received By: [Signature]

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

FORM-006 R 2.0

Sample Condition:

Intact

Cool

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

#54



Company Name: COG Operating LLC

Project Manager: Lupe Carrasco

Address: 2208 West Main

City: Artesia

Phone #: (575) 748-6940

Project #:

Project Name:

Project Location:

Sampler Name: Lupe Carrasco

P.O. #:

Company: COG Operating LLC

Attn: Robert McNeill

Address: 600 W Illinois

City: Midland

State: TX Zip: 79701

Phone #: (432) 221-0388

ANALYSIS REQUEST

At claims including those for negligence and other claim exclusions, coverage to any claim arising whether based in contract or tort, shall be limited to the amount paid by the carrier for the claim. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 8/20/15
Time:

Relinquished By:

Date: 8-21-15
Time: 10:00 AM

Delivered By: (Circle One)

continued from p. 115C

FORM-006 R 2.0

Received By:

Date: 8/20/15
Time:

Received By:

Date: 8-21-15
Time: 10:00 AM

Sample Condition: Very Poor CHECKED BY: _____

Cool Intact (Initials)

☒ No ☐ No

Phone Result: ☐ Yes ☐ No Add'l Phone #.:

Fax Result: ☐ Yes ☐ No Add'l
REMARKS: gcarraasco@concho.com

atrujillo@concho.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Sly Hawk State #5	Facility Type: Battery

Surface Owner: State	Mineral Owner:	API No. 30-015-35103
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	3	25S	28E	150	North	330	East	Eddy

Latitude 32.1661491 Longitude -104.0675278

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 50 bbls	Volume Recovered: 50 bbls
Source of Release: Illegal Dump	Date and Hour of Occurrence: 6/26/2015 12:00 pm	Date and Hour of Discovery: 6/26/2015 12:00 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher -- NMOCD	
By Whom? Amanda Trujillo	Date and Hour: Wed 7/1/2015 5:12 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

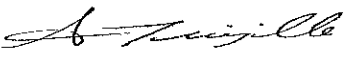
Describe Cause of Problem and Remedial Action Taken.*

This release was due to an illegal dump. A lease operator from another company caught a water hauler illegally dumping water on location. He notified COG personal and it was reported to security.

Describe Area Affected and Cleanup Action Taken.*

The produced water was sprayed out from behind the water hauler across location. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Amanda Trujillo	Approved by Environmental Specialist:		
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: atrujillo@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: July 10, 2015	Phone: 575-748-6940		

* Attach Additional Sheets If Necessary