

## RECEIVED By JKeyes at 3:34 pm, Jan 11, 2016

Lupe Carrasco
Environmental Coordinator

January 11, 2016

Oil Conservation Division District 1 – Hobbs 811 S. First St. Artesia, NM 88210

Re: Magnum Pronto 32 State SWD #1

30-025-41354 Sec. 32, T19S-R32E Lea County, NM

Ms. Jones,

COG Operating LLC would like to submit for your consideration the enclosed closure request for the above captioned well. The request is in response to the C-141 Initial report dated August 24, 2015.

The release was caused by a corroded nipple atop the wellhead releasing 89 barrels of produced water of which 80 barrels were recovered. The release impacted the pad and misted across the interim reclamation west of the wellhead (see attached site diagram). Once all possible fluid was recovered, the impacted pad was scraped and all impacted material scraped was hauled for disposal at an approved NMOCD facility.

The analytical results have been attached for your consideration and a summary of the results has been added below and to the attached site diagram.

COG Operating LLC proposes that no excavation be required based on the attached analyticals obtained on October 26, 2015. The analytical results show slightly elevated chloride concentrations at a depth of 4' for S1, S2, and at 3'-4'for S4. At a depth to ground water at greater than 500' (per Chevron Trend Maps), the chlorides left in place pose no threat to the impact of ground water nor will they impede future surface reclamation once the site is plugged and abandoned. Analyticals for BTEX and TPH are included, but were not summarized on the attached site diagram due to being non-detect. S3 at 12' shows a chloride concentration of 1680 ppm, but is believe to be a factor of cross contamination in that it is not conclusive to the samples taken throughout the impacted area.

51	Cl-	<b>S2</b>	CI-	53	CI-	S4	CI+	55	Cl-
1'	96	1'	48	1'	ND	1'	592	11	48
2'	768	2'	80	2'	48	2'	1040	2'	64
3'	720	3'	208	3'	ND	3'	1760	777, 11	1,
4'	1380	4'	1500	41	ND	4'	7680		WILLIAM
6'	96	6'	1500	6'	224	6'	144	j aluja	N. 3
8'	416	8'	736	8'	896	8'	352	y Ma	
10'	48	10'	96	10'	80	10'	160	TU EL	
12'	160	12'	80	12'	1680	0.00			
13'	128	X			N= 11				

A signed C-141 Final has been attached for closure of the above captioned location. Please feel free to contact me with any questions or concerns at (575) 748-6933.

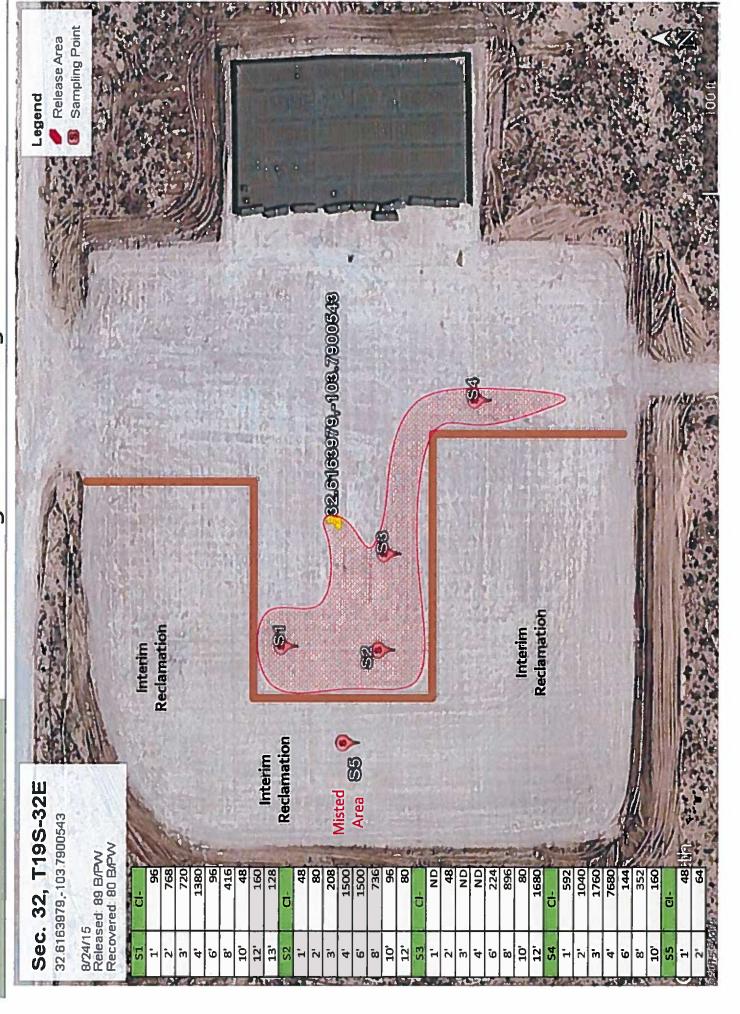
Sincerely,

Lupe Carrasco

**Environmental Coordinator** 

Enclosure(s): Site Diagram

Analytical Results C-141 Initial C-141 Final





November 04, 2015

**LUPE CARRASCO** 

**COG OPERATING** 

P. O. BOX 1630

ARTESIA, NM 88210

RE: MAGNUM PRONTO 32 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 10/28/15 11:30.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Celey D. Keine

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



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

MAGNUM PRONTO 32 STATE SWD #1

Sample Received By:

Judy Garcia

Project Number: Project Location:

NONE GIVEN **NOT GIVEN** 

Sample ID: S1-1' (H502821-01)

TEX 8021B	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2015	ND	1.92	95.9	2.00	0.538	
Toluene*	<0.050	0.050	11/03/2015	ND	2.12	106	2.00	0.745	
Ethylbenzene*	<0.050	0.050	11/03/2015	ND	1.93	96.7	2.00	0.372	
Total Xylenes*	<0.150	0.150	11/03/2015	ND	6.13	102	6.00	0.140	
Total BTEX	<0.300	0.300	11/03/2015	ND					
Surrogate 4-Bromofluorobenzene (PIE	106 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/30/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/30/2015	ND	210	105	200	1.78	
DRO >C10-C28	<10.0	10.0	10/30/2015	ND	218	109	200	1,40	
Surrogate: 1-Chlorooctane	109 5	% 35-147							
Surrogate: 1-Chlorooctadecane	1169	% 28-171							

## Sample ID: S1-2' (H502821-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	10/30/2015	ND	432	108	400	7.69	

## Cardinal Laboratories

\*=Accredited Analyte

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Celley & Kena



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

11/04/2015

Sampling Type:

- "

Project Name:

MAGNUM PRONTO 32 STATE SWD #1

Sampling Condition:

Soil Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Judy Garcia

Project Location:

NOT GIVEN

## Sample ID: S1-3' (H502821-03)

Chloride, SM4500CI-B	/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	10/30/2015	ND	432	108	400	7.69	

## Sample ID: S1-4' (H502821-04)

Chloride, SM450UCI-B	mg,	/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	10/30/2015	ND	432	108	400	7.69		

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Celeg & Keena -



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

Sampling Type:

Project Name:

11/04/2015

Sampling Condition:

Soil

Project Number:

MAGNUM PRONTO 32 STATE SWD #1 **NONE GIVEN** 

Sample Received By:

Cool & Intact Judy Garcia

Project Location:

**NOT GIVEN** 

Sample ID: S2-1' (H502821-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2015	ND	1.92	95.9	2.00	0.538	
Toluene*	<0.050	0.050	11/03/2015	ND	2.12	106	2.00	0.745	
Ethylbenzene*	<0.050	0.050	11/03/2015	ND	1.93	96.7	2.00	0.372	
Total Xylenes*	<0.150	0.150	11/03/2015	ND	6.13	102	6.00	0.140	
Total BTEX	<0.300	0.300	11/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	106 9	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/30/2015	ND	210	105	200	1.78	
DRO >C10-C28	<10.0	10.0	10/30/2015	ND	218	109	200	1.40	
Surrogate: 1-Chlorooctane	105 9	6 35-147							
Surrogate: I-Chlorooctadecane	113 9	6 28-171							

## Sample ID: S2-2' (H502821-06)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/30/2015	ND	432	108	400	7.69	

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\*=Accredited Analyte

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College Kenne

Celey D. Keene, Lab Director/Quality Manager



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

Project Number:

MAGNUM PRONTO 32 STATE SWD #1 NONE GIVEN

Sample Received By:

Judy Garcia

Project Location:

NOT GIVEN

Sample ID: S2-3' (H502821-07)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit

Reporting Limit

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

208

16.0 10/30/2015

Analyzed

Analyzed

ND

Method Blank

ND

**B**\$ 432

108

400

7.69

Sample ID: S2-4' (H502821-08)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte Result Chloride 1500

16.0 10/30/2015

BS 432 % Recovery 108

True Value QC 400

RPD

7.69

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Clay D. Kenna



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

Received:

10/28/2015

Reported:

11/04/2015

Project Name:

MAGNUM PRONTO 32 STATE SWD #1

Project Number: Project Location: NONE GIVEN **NOT GIVEN** 

Sampling Date: Sampling Type:

10/26/2015

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Judy Garcia

Sample ID: S3-1' (H502821-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2015	ND	1.92	95.9	2.00	0.538	
Toluene*	<0.050	0.050	11/03/2015	ND	2.12	106	2.00	0.745	
Ethylbenzene*	<0.050	0.050	11/03/2015	ND	1.93	96.7	2.00	0.372	
Total Xylenes*	<0.150	0.150	11/03/2015	ND	6.13	102	6.00	0.140	
Total BTEX	<0.300	0.300	11/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIC	105 9	6 73 6-14	n						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/30/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/30/2015	ND	210	105	200	1.78	
DRO >C10-C28	<10.0	10.0	10/30/2015	ND	218	109	200	1.40	
Surrogate: 1-Chlorooctane	102 9	6 35-147							
Surrogate: 1-Chlorooctadecane	112 9	6 28-171							

## Sample ID: S3-2' (H502821-10)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48,0	16.0	10/30/2015	ND	432	108	400	7.69	

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\*=Accredited Analyte

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Celley & Keens



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

Sampling Type:

Soil

Project Name:

11/04/2015

Sampling Condition:

Cool & Intact

Project Number:

**NONE GIVEN** 

Sample Received By:

Judy Garcia

Project Location:

Analyte

**NOT GIVEN** 

Sample ID: S3-3' (H502821-11)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

Method Blank

ND

% Recovery

True Value QC

RPD

7.69

Chloride

Result <16.0

16.0

Reporting Limit

MAGNUM PRONTO 32 STATE SWD #1

10/30/2015

BS 432

108

400

Qualifier

Sample ID: S3-4' (H502821-12)

Chloride, 5M45UUCI-8	mg,	/kg	Analyze	1 By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/30/2015	ND	432	108	400	7.69	

Cardinal Laboratories

\*=Accredited Analyte

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Celary Hama



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

Received:

10/28/2015

10/20/2013

Sampling Date:

10/26/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

MAGNUM PRONTO 32 STATE SWD #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Judy Garcia

Project Location:

NOT GIVEN

Sample ID: S4-1' (H502821-13)

TEX 80218	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2015	ND	1.92	95.9	2.00	0.538	
Toluene*	<0.050	0.050	11/03/2015	ND	2.12	106	2.00	0.745	
Ethylbenzene*	<0.050	0.050	11/03/2015	ND	1.93	96.7	2.00	0.372	
Total Xylenes*	<0.150	0.150	11/03/2015	ND	6.13	102	6.00	0.140	
Total BTEX	<0,300	0.300	11/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIC	104 5	% 73,6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/30/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10,0	10/30/2015	ND	210	105	200	1.78	
DRO >C10-C28	<10.0	10.0	10/30/2015	ND	218	109	200	1.40	
Surrogate 1-Chlorooctane	98.5	% 35-147							
Surrogate: 1-Chlorooctadecane	109 5	% 28-171							

## Sample ID: S4-2' (H502821-14)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	10/30/2015	ND	432	108	400	7.69	

## Cardinal Laboratories

\*=Accredited Analyte

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Celey D Keine -



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

MAGNUM PRONTO 32 STATE SWD #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Judy Garcia

Project Location:

**NOT GIVEN** 

## Sample ID: S4-3' (H502821-15)

Chloride.	SM4500CI-B
CHIOHIUE,	311430001-8

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit Analyzed Method Blank

% Recovery 100

True Value QC 400

Qualifier

**Chloride** 

1760

16.0

10/30/2015

ND

400

B\$

RPD 11.3

Sample ID: S4-4' (H502821-16)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	10/30/2015	ND	400	100	400	11.3	

Cardinal Laboratories

\*=Accredited Analyte

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Celly D. Kenne -



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

Sampling Type:

Soil

Project Name:

11/04/2015

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

MAGNUM PRONTO 32 STATE SWD #1

Sample Received By:

Judy Garcia

Project Location:

**NOT GIVEN** 

Sample ID: S5-1' (H502821-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2015	ND	1.92	95.9	2.00	0.538	
Toluene*	<0.050	0.050	11/03/2015	ND	2.12	106	2.00	0.745	
Ethylbenzene*	<0.050	0.050	11/03/2015	ND	1.93	96.7	2.00	0.372	
Total Xylenes*	<0.150	0.150	11/03/2015	ND	6.13	102	6.00	0.140	
Total BTEX	<0.300	0.300	11/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	105 9	% 73.6-140	)						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2015	ND	400	100	400	11.3	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/30/2015	ND	210	105	200	1.78	
		10.0	10/30/2015	ND	218	109	200	1.40	
DRO >C10-C28	<10.0	10.0	10/30/2013						
DRO >C10-C28  Surrogate: 1-Chlorooctane	<10.0 100 9		10/30/2013						_

## Sample ID: S5-2' (H502821-18)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP		.,.			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2015	ND	400	100	400	11.3	

## Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: List-bifty and Damages. Cardinal's liability and chem's exchasive remedy for any claim arising, whether based in contract or tort, shall be linited to the amount paid by cleint for analysis. All claims, including those for negligence and any other Cause whitsonew shall be deemed waived unless made in writing and received by Cardinal within 11(1) days after completion of the applicable samuse. In no event shall Cardinal be liable for incisental or consequential damages, including, without femtion, business interruptions, loss of use, or loss of profits inclured by cleint, its subsidences, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results risks only to the samples identified above. This report shall not be reporduced except in full with written approved of Cardinal Laboratones.

Celey To Kenne



## **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 5M4500CI-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

PLEASE NOTE: Liability and Damages. Cardinal's liability and chem's exclusive relinedy for any claim ensuing, whether based in contract or tort, shall be limited to the amount paid by chent for enalyses. All claims, including those for negligence and any other cause whistoniver shall be deemed waived unless made in writing and received by Cardinal within tharty (30) days after completion of the applicable service. In no event shall Cardinal be liabilit for incidential or consequential damages, michaling, without limitation, business interruptions, loss of use, or loss of profits incurred by Chertinal and incidential cardinal policy of use of or relisted to the performance of the services hereunder by Cardinal, regardless of whether such claims to based upon any of the above stated reasons or otherwise. Results relate who to the samples devended above. This report shall not be reproducted except in hill with written approval of Cardinal Liberatories.

Cellen Li Kanne



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4

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

(575) 393-2326 FAX (575) 393-2476	2476				
company Name: COG Operating LLC		BILL TO	100 miles		ANALYSIS REQUEST
Project Manager: Lupe Carrasco		P.O. #:			
Address: 2208 West Main		Company: COG Operating LLC	ating LLC		
귬	Zip 88210	Attn: Robert McNeill	Neili		
hone #: (575) 748-6940 Fax #:		Address: 600 W Illinois	tinois		
Project #: Project Owner:	<b>T</b>	City: Midland			
Project Name: Magnum Pronto 32 State SWD #1		State: TX Zip: 79701	01		
v		Phone #: (432) 221-0388	1		
Sampler Name: Lupe Carrasco		Fax #:			
٦	MATRIX	PRESERV. SAMPLING	JNG		
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP.  # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX	TPH Chloride	
S1-1*		. 10	×	×	
	×	10/26/15		×	
<u>N</u>	×	10/26/15		×	
	×	10/26/15		×	
<u>S</u> 2-1	×	X 10/26/15	×	×	×
6 S2-2'	×	10/26/15	0.	L	X
_	×	10/26/15			X
82.4	×	10/26/15			X
			wit pad by the check for the	F	
Ambiety dest Centralle. Companie o money sent control or ment about Central for high percental any other course windston wert about Central to habite for incidental or consequented defined	eer shall be doormed waterd indees meets in willing it pe, techning willoud freihelen, burness witerspieren ander techning of the state	4 1 6	completes of the applicable chart, to extractories, escore or otherwise		
	nd A	- Davia	Result: KS:	O Yes	es D No Add's Phone #: es D No Add's Phone #: scold/concho.com Run until chlorides fall below 1000 pom
Refinduished By: Date:	Received By:				
Delivered By: (Circle One)	Sample Condition	CHECKED BY:			

Sampler - UPS - Bus - Other # 54

101 East Marland, Hobbs, NM 88240

(010) 000-1000						-	ANALYSIS AL	XIICORO!	
Company Name: COG Operating LLC		140		1					
Project Manager: Lupe Carrasco			5						
Address: 2208 West Main		Company: COG Up	COG Operating LLC						
글	Zip 88210	20	McNeil						
2		Address: 600 V	900 AN IBLIONS	2210				_	(7,0.2
	ner:	City: Midland	and						
Macaum Pronto 32 State		State: TX Zip: 79701	9701						
Project Name. magnam romo		Phone #: (432) 221-0388	388						
Project Location:		n *		-					_
Sampler Name: Lupe Carrasco	Market	COFSERV SAM	SAMPLING	100		_			
FOR LAB USE ONLY	MATRIA			70100		_			
Lab I.D. Sample I.D.	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	1186	BTEX	ТРН	Chloride			
Desi	V	×	V15	×	×	×			
\$3-1			V15			×			
(OS3-2'	×	10/26/15	V15			×			
S3-3	< >	10/26/15	¥15			×			İ
30 S3-4	< >	X 10/26/15	J/15	×	×	×			1
\$4-1	< >		5/15			×			
\$4.2	× >	10/26/15	6/15			×			1
343	× >	10/28/15	B/15			×			1
76 S4.4:	< >	x 10/28/15	8/15	×	×	×			
	×	10/26/15	6/15		H	×		-	-
and other cause what My and cheef's eacher		ng whether based in contract or test, shall be limited to the amount past by the claim for the ead unless made in writing and received by Continual within 30 days after completion of the applicable and provides made in writing and received by Continual within 150 days after completions.	und paint by 2no chara for i ye adair completion of th ed by clent, its volutions	1	*			0	
nal by Babbs for incodential or consequential defination of or related to the performance of our region force.  Daily:	Received By:	m is based upon any of the above stated ree	Phone Result:	it all	00	Yes U No	Add'l Phone #: Add'l Fax #:		
Keinquisned by:	onder	Garda		S: S	ocarri	ascolatoncho.com com Ru	Nun until ch	<u>om</u> Run until chlorides fall below 1000 pom	1000 ppm
Relinguished By:	Received By:								

Sampler - UPS - Bus - Other A 5

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

Delivered By: (Circle One)

Time:



November 03, 2015

**LUPE CARRASCO** 

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: MAGNUM PRONTO 32 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 10/28/15 11:30.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited 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



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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

11/03/2015

Sampling Type:

Soil

Project Name:

MAGNUM PRONTO 32 STATE SWD #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Judy Garcia

Project Location:

**NOT GIVEN** 

## Sample ID: S1-6' (H502822-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/30/2015	ND	400	100	400	11.3	
Sample ID: S1-8' (H5028	322-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/30/2015	ND	400	100	400	11.3	
Sample ID: S1-10' (H502	2822-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2015	ND	400	100	400	11.3	
Sample ID: S1-12' (H502	822-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/30/2015	ND	400	100	400	11.3	

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\*=Accredited Analyte

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

Received:

10/28/2015

Sampling Date:

10/26/2015

Reported:

11/03/2015

Sampling Type: Sampling Condition: Soil

Project Name: Project Number:

NONE GIVEN

MAGNUM PRONTO 32 STATE SWD #1

Sample Received By:

Cool & Intact Judy Garcia

Project Location:

**NOT GIVEN** 

Sample ID: S1-13' (H502822-05)

Chloride, SM4500Cl-B						
	Chi	loris	da i	SM/	しらわり	CL-R

m	п.	,	ĸ

### Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	B5	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/30/2015	ND	400	100	400	11.3	

## Sample ID: S2-6' (H502822-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	10/30/2015	ND	400	100	400	11.3	

## Sample ID: 52-8' (H502822-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	10/30/2015	ND	400	100	400	11.3	

## Sample ID: S2-10' (H502822-08)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/30/2015	ND	400	100	400	11.3	

## Sample ID: S2-12' (H502822-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/30/2015	ND	400	100	400	11.3	

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College To Kenne



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

Received: Reported: 10/28/2015

11/03/2015

Project Name:

MAGNUM PRONTO 32 STATE SWD #1

Project Number:

Analyte

Analyte

NONE GIVEN

Project Location:

**NOT GIVEN** 

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact Judy Garcia

10/26/2015

Sample ID: S3-6' (H502822-10)

Chloride.	SM4500CI-E
-----------	------------

mg/kg

Analyzed By: AP

Result Reporting Limit

16.0

Reporting Limit

Analyzed 10/30/2015

Analyzed

Method Blank ND

BS

400

% Recovery True Value OC RPD 11.3 **Oualifier** 

Sample ID: S3-8' (H502822-11)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

% Recovery

100

100

400

Qualifier

Qualifier

Chloride

Chloride

Chloride

Chloride

896

Result

80.0

Result

224

16.0 10/30/2015 ND

BS 400 True Value QC 400

RPD

11.3

Sample ID: S3-10' (H502822-12)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Reporting Limit

16.0

16.0

Reporting Limit

16.0

Analyzed 10/30/2015 Method Blank ND

BS 400

BS

400

BS

400

% Recovery 100

True Value QC 400

RPD

11.3

Sample ID: S3-12' (H502822-13)

Analyte

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Result Reporting Limit

Analyzed

10/30/2015

Analyzed

10/30/2015

Method Blank

ND

ND

% Recovery

100

100

True Value QC

400

RPD

Qualifier 11.3

Sample ID: S4-6' (H502822-14) Chloride, SM4500CI-B

mg/kg

Result

144

1680

Analyzed By: AP

Method Blank

% Recovery

True Value QC

400

RPD

11.3

Qualifier

Chloride

Cardinal Laboratories

Analyte

\*=Accredited Analyte

ng and received by Cardinal within thirty (30) days after cor including, without limitation, business interruptions, loss of use, or loss of profits incurred by Clerks, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celley & Kenne



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

Received:

10/28/2015

14/00/2015

Sampling Date:

10/26/2015

Reported:

11/03/2015

Sampling Type:

Soil

Project Name:

MAGNUM PRONTO 32 STATE SWD #1

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sample Received By:

Judy Garcia

## Sample ID: 54-8' (H502822-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/30/2015	ND	400	100	400	11.3	

## Sample ID: S4-10' (H502822-16)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/30/2015	ND	400	100	400	11.3	

## Cardinal Laboratories

\*=Accredited Analyte

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Colony D. Keene -



## **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

PLEASE NOTE: Liablely and Damages. Cardinal's Bability and cherit's exclusive remedy for any class ensuring, whether based in contract or tost, shall be limited to the amount paid by clent for analysiss. All claims, including those for negligence and any other classe whistoniver shall be deemed waived unless made in writing and recovered by Cardinal within thirty (30) days after completion of the applicable service. In no event shall be labele for incidental or consequential damages, including, without hintatoon, business interruptions, loss of use, or loss of profits incurred by clerk, its subsidences, stiffactes or successors answing out of or relating to the performance of the services hierarchies of whether such claims is based upon any of the above stated resistons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keena

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 180 1

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	476		100 100 100 100 100 100 100 100 100 100			ANALYSIS REQUEST	
Company Name:	COG Operating LLC		BILL	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	_	
Project Manager:	Lupe Сапассо		P.O. *					_
Address: 2208	≨		Company: COG Operating LLC	ing LLC				_
2	State: NM	Zip 88210	Attn: Robert McNeill	OH.				
5	(575) 748-6940 Fax #:	and the state of t	Address: 600 W Illinois	nois				_
	Project Owner:	<b>87.</b>	City: Midland					
	Marchin Pronto 32 State SWD #1		State: TX Zip: 79701					
Project Name: N	Sagnati From or own		Phone #: (432) 221-0388				_	
Project Location:			TO SE		_			_
Sampler Name:	Lupe Carrasco		TORCERV SAMPLING	8		_		
FOR LAB USE DNLY		R						
Lab I.D.	Sample I.D.	G)RAB OR (C)O CONTAINERS ROUNDWATER VASTEWATER GOIL DIL	SLUDGE  OTHER: ACID/BASE: CE / COOL  OTHER:	BTEX	трн	Chloride		
so mail		1				×		
ט-	0 0	×	10/26/15			×		
3	21-10	×	10/26/15			< >		
U	61-10	×	10/26/15			< >		
J.	61-13:	×	10/26/15			< >		
2	S2-6°	×	10/26/15			k >		
C	S2-8'	×	- Lingzwi			× :		
· C	\$2-10	×	10/26/15			< :		
00	S2-12'	×	10/26/15			>		
PLEASE NOTE: Unitary and Own	ges. Cardinal's hebitly and che	the earl come strang report passed to cook	and window bissed to contract or text, that the tertified to the erround pried by the closed for the and window brings in the foreign and received by Cardinal within 30 days, after completened the updatestion	d by the chied for the completion of the applic				
Relinquished By:	real be hable for incohertal or come not of or related to the performance	Received By:	quarted damages, lecturing without in resource of the control of t	Phone Result:	O Ya	O O N	☐ Yes ☐ No Add'i Phone #: ☐ Yes ☐ No Add'i Fax #: ☐ Carrascoabbconcho.com	
Relinquished by		B	-	REMARKS: 9G afruillo@conch	gcarrasos ncho.com	n cotticon	Run until chlorides fall below 1000 pom	00 ppm
Delivered B	Delivered By: (Circle One)	A STATE OF THE STA	Intact (Nothers)					
Sampler - UP	S - Bus - Other: HO		No VUI	-			200 2446	

Sampler - UPS - Bus - Other: 750

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



Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished By:	Relinquished By:	PLEASE NOTE: Linkly and Daniel	16 84-10	5 54-8	7 S4-6'	3 S3-12	S3-10'	. 8-8.	(O) S3-6'	The book	Lab I.D.	1"	. 17	Project Name. maying	Floject Nicho: Magnin		**	듦	Address: 2208 West Main		Company Name: COG	(575)
Sampler - UPS - Bus - Other: #54 3,00	Ditte:	ad to the parlaments of services to Date:	le inches and clears expense in the communication of the communication o	טי								Sample I.D.	robe consess	Carracco		Priogen in: Marmin Printo 32 State SWD #1	Project Owner:	(575) 748-6940 Fax #:	State: NM	Aain	Lupe Carrasco	COG Operating LLC	(575) 393-2326 FAX (575) 393-2476
Sample Condition CHECKED BY:  Cook Intact (In Media)  Checked BY:  Cook Intact (In Media)	Received By:	Received By:	reprody for any claim interig warding based in contract or tork, shell be firmed to the invented plate by the Chin In- way what he deserved watered unless made in welling and received by Cardinal within 30 days habe completions of the yea, including without installation, business between the past case, or less of profits incurred by claim, as administration, yea, including without installation, business between the past cases way of the above dated reasons of differents.	×	×	×	×	×	×	×	** V	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL DIL GLUDGE	MATRIX				er:		Zip 88210				(4/0
ndition CHECKED BY:		Andra Garcia	ions ething whether based in contract or tort, shall be instead to the service (also by one contract or tort, shall be instead to the service (also be one) and one completion of the opplicable and watered understand in welling and received by Cardinal within 30 days after completion of the opplicable has been described by the contract of the opplicable has been described by the contract of the opplicable has been described by the contract of the opplicable has been described by the contract of otherwise.	01/02/01	10/26/15	61,02,01	102011	107011	1008/15	10/26/15	(	OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV. SAMPLING	1	Phone #: (432) 221-0388	State: TX Zip: 79701	City: Moland	ess:	2	Company: COG operating the			BILL TO
		Sonoth Sic	1									BTEX TPH	a c							og rec	3	-	
147		O Yes U No Addi Fax#: arrascoloconcho.com Run unti			×	×	×	×	×	×	×	Chloride	_			_							ANA
n		Add'! Fax #: COM Run until chlorides fall below 1000 ppm	LLAT Drope #7																				ANALYSIS REQUEST

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

Form C-141
Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rele	ase Notific	ation	n and Co	rrective A	ctior	1			
						OPERA?	ΓOR			al Report		Final Report
		OG Operati				Contact: Ro	bert McNeill					-
		inois Avenue					No. 432-230-007	77				
Facility Nan	ne: Magnu	ım Pronto 32	State SV	VD #1		Facility Typ	e: Well					
Surface Ow	ner: State			Mineral C	)wner:				API No	. 30-025-4	1354	
				LOCA		N OF REI						
Unit Letter F	Section 32	Township 19S	Range 32E	Feet from the 2300'		/South Line North	Feet from the 2200'		West Line West		Count	*
				Latitude 32.6	163979	Longitude	e -103.7900543					
				NAT	URE	OF RELI	EASE					
Type of Relea	ise:					Volume of			Volume R	ecovered:		
Produced Wa						89 bbls PW			80 bbls P			
Source of Rel Wellhead nip						Date and H 8/24/2015	lour of Occurrence	e:	Date and 1 8/24/2015	Hour of Dis	covery:	:
Was Immedia		liven?				If YES, To			0/24/2013	0:50 am		
			Yes 🔲	No 🔲 Not Re	equired		s – NMOCD					
By Whom?	Amanda T	rujillo				Date and H	lour: Mon 8/24/20	015 6:3	4 PM			
Was a Watero	ourse Reac					If YES, Vo	lume Impacting the	he Wat	ercourse.	•		
☐ Yes ☑ No  If a Watercourse was Impacted, Describe Fully.*												
Describe Cau												
I his release	was caused	by a corroded	nipple ato	p the wellhead. \	/acuum	trucks were d	lispatched to reco	ver all:	standing flu	ids.		
Describe Area	Affected a	and Cleanup A	ction Tak	en.*								
This release is	mmagtad the	and and asses	h. intorio	scalamatics area	Canal	ما و مرسط الثنور م	e spill site sample	مامساء	ر مسم محمد ما			-a: G
							ie spur site sampit ior to any signific				ntalmini	ition irom
							<b>,g</b>					
The Lead	n - 11 - 1 - 1 - 1	p	1	• • •	Las a di	1		• .	1.1 .	212.4	0.00	
regulations al	ty that the ii Lonerators	nformation gr are required to	ven above report an	is true and completely file certain re	lete to the Lease no	tifications an	knowledge and und perform correct	ndersta: tive act	nd that pursi	uant to NM	OCD n	iles and
public health	or the envir	onment. The	acceptance	e of a C-141 repo	rt by the	NMOCD ma	arked as "Final Re	eport" c	loes not reli	eve the oper	rator of	liability
should their o	perations h	ave failed to a	dequately	investigate and re	emediate	e contamination	on that pose a thre	at to gi	ound water.	, surface wa	ter, hui	man health
				ance of a C-141	report de	oes not relieve	e the operator of r	espons	ibility for co	ompliance w	ith any	other
federal, state,	or local lav	vs and/or regu	lations.				OII CONG	CEDI	ATION	DIMICIO	N 7	
	_1	1					OIL CONS	SERV	ATION	DIVIDIC	<u>IN</u>	
Signature:												
D-i-4-d No		T211-				Approved by	Environmental Sp	pecialis	<b>:</b>			
Printed Name	: Amanua	rujino			-	<del></del>		Т				
Title: Senior I	Environmer	ntal Coordinat	0 <b>r</b>			Approval Date	e:		Expiration [	Date:		
E-mail Addre	ss: atmiillo	@concho com	1			Conditions of	Annroval:				_	
2-mail radic	oo. acrupino	(acceptation (contract))	<u> </u>				- pprover			Attached		
Date: Septem			ne: 575-74	8-6940								
* Attach Addit	ional Shee	ts If Necessa	агу									

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

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

						<b>OPERAT</b>	OR		☐ Initia	l Report	$\boxtimes$	Final Report
		OG Operatii				Contact: Ro	bert McNeill					
		nois Avenue			′	Telephone N	lo. 432-230-007	77				
Facility Nar	ne: Magnu	m Pronto 32	State SV	VD #1		Facility Typ	e: Well					
Surface Ow	ner: State			Mineral O	wner:				API No	. 30-025-4	1354	
				LOCA	TION	N OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line		Count	у
F	32	19S	32Ē	2300'	!	North	2200'	\	Vest		Lea	
				Latitude 32.61	163979	Longitude	-103.7900543					
				NAT	URE	OF RELI	EASE					
Type of Relea						Volume of	Release:		Volume R	ecovered:		
Produced Wa						89 bbls PW			80 bbls PV			
Source of Rel						I .	our of Occurrence	e:		Hour of Dis	covery:	
Wellhead nip Was Immedia		liven?				8/24/2015 ( If YES, To			8/24/2015	0:50 am		
was mineum	ate Notice C		Yes 🔲	No 🔲 Not Rec	quired		s – NMOCD					
By Whom?	Amanda T	ruiillo				Date and H	our: Mon 8/24/20	15 6:34	PM			
Was a Water		hed?					lume Impacting tl					
			Yes 🛛	No								
If a Watercou	rse was Imp	acted, Descri	be Fully.*									
ci.												
Describe Cau	se of Proble	m and Remed	lial Action	Taken.*								
This release	was caused	by a corroded	nipple ato	op the wellhead. V	acuum	trucks were d	ispatched to reco	ver all s	tanding flui	ids.		l,
											1	
Describe Area	a Affected a	nd Cleanup A	ction Tak	en.*								
		•										
				reclamation area.					ole contamii	tation f	rom the	
release and pi	resented a re	mediation wo	гк ріап іо	the NMOCD for a	approva	ii pnor to any	significant remed	liation v	WOFK.			
I hereby certi	fy that the ir	nformation give	en above	is true and comple	ete to th	e best of my	knowledge and ur	nderstar	d that purs	uant to NM	OCD n	les and
regulations al	l operators a	are required to	report an	d/or file certain re	lease no	otifications an	d perform correct	tive acti	ons for rele	ases which	may en	danger
public health	or the envir	onment. The	acceptance	e of a C-141 repor investigate and re	t by the	NMOCD ma	irked as "Final Re	port" d	oes not reli	eve the oper	ator of	liability
or the enviror	perations na mont In ac	ive ianeu to a Idition NMO	ucquatery CD access	tance of a C-141 re	mediate	contamination	on that pose a thre	at to gr	ouna water, bility for on	, surrace wa	ter, nur	nan neaith
federal, state,				idiree of a C-141 ft	eport at	Jes not telleve	the operator or i	eshousi	Dility for Co	иприансе w	iui any	Ottlei
							OIL CONS	SERV	ATION	DIVISIO	N	
o:	~										<u> </u>	
Signature	- Ju	مسيم	*Cc						Jamit	?lhuc		
Printed Name	: Lupe Cari	rasco			/	Approved by I	Environmental Sp	ecialist	: //	wye		
•							01/11/2016			///		
Title: Envir	onmental Co	oordinator			A	Approval Date	01/11/2010	I	Expiration [	Date: '''		
E-mail Addre	ss: gearrasce	n@concho.co	m		0	Conditions of	Approval:				_	
- man rumb	-or Bourtace					///	· ·pp······			Attached		
Date: Decem	ber 4, 2015	Phone	e: 575-689	9-3100						1RP 3857	7	

<sup>\*</sup> Attach Additional Sheets If Necessary