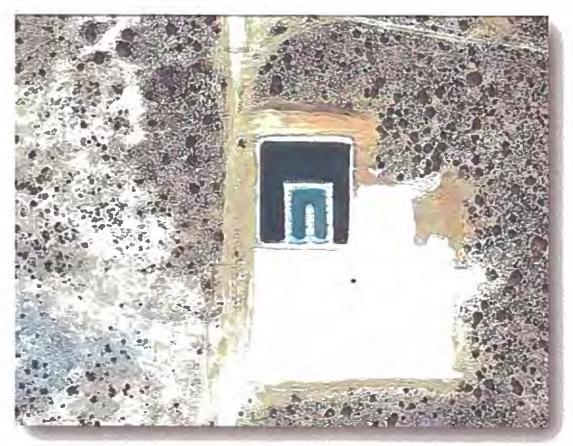




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Report Quail State 16 No. 3H Corrective Action



Prepared For:

Precision Drilling (US) Company 10350 Richmond Ave, Suite 700

Houston TX 77042

Prepared By:

Etech Environmental & Safety Solutions, Inc.

Date Prepared:

February 12, 2014

Project Number: 328-3657-001

Environmental Specialist

NMOCD-DIST 1
02/18/14

1RP-5043



Report Quail State 16 No. 3H Corrective Action

GEOLOGY

Prepared By:

HOBBS OCD

FEB 13 2014

Fred Holmes Project Manager

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Reviewed By:

Shane Estep P.G.

Senior Environmental scientist

Prepared For:

Precision Drilling (US) Company

10350 Richmond Ave, Suite 700

Houston TX 77042

Date Prepared:

February 12, 2014

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Executive Summary

On April 26, 2012, Fasken Oil and Ranch Ltd (Fasken) reported a release of brine water that occurred on April 24, 2012. In summary, the release was from the overflow during the filling of a water tank with brine water from the drilling reserve pit on the Quail State 16 No. 3H (API No. 30-025-40361) drilling pad. The release migrated off of the drilling/production pad (pad) and migrated northward along the west side of the reserve pit and south along the west edge of the pad before turning westward.

Etech Environmental & Safety Solutions, Inc. (Etech) was retained by Precision Drilling (US) Company to perform an assessment of the impact area from release. From October 2012 through July 2013, Etech performed a series of assessments on the area of the release. The impacted area measured approximately 225 feet long on its north south axis and 120 feet on the east-west axis. The width varied at approximately 25 feet on the northern portion of the impacted area, 10-15 feet in the southern section, and 15 feet wide on the lower western section. The depth of the release varied from 1-2 foot in the western section, 10 feet in the southern section near the pad, 3-4 feet in the section adjacent to the reserve pit and 7-8 feet in the uppermost northern section.

Because of the length and shape of the impacted area, it was initially divided into 4 sections or "Areas". Excavation of the impacted areas commenced in December, 2013. As soil was excavated, clean soil over the top of the impacted soils were segregated from impacted soils. Impacted soils were stockpiled and loaded for transport to the Lea Land Landfill in Carlsbad, New Mexico.

As areas were excavated, they were routinely screened and samples were collected and sent for laboratory analysis for chlorides. When regulatory threshold levels were met, the data on a given area was sent to the New Mexico Oil Conservation Division (NMOCD) office in Hobbs, New Mexico for approval for backfill. Once approval was received, the area was backfilled to surface and graded to match existing topography.

Upon the completion of the corrective action activities presented in this report, the impact associated with the brine water release at the Quail State 16 No. 3H has been remediated in accordance with NMOCD regulations.

Introduction

On April 26, 2012, Fasken Oil and Ranch Ltd (Fasken) reported a release of brine water that occurred on April 24, 2012. In summary, the release was from the overflow during the filling of a water tank with brine water from the drilling reserve pit on the Quail State 16 No. 3H (API No. 30-025-40361) drilling pad. The release migrated off of the drilling/production pad (pad) and migrated northward along the west side of the reserve pit and south along the west edge of the pad before turning westward. A copy of the C-141 submitted by Fasken is provided in Attachment A.

Etech Environmental & Safety Solutions, Inc. (Etech) was retained by Precision Drilling (US) Company to perform an assessment of the impact area from release. From October 2012 through July 2013, Etech performed a series of assessments on the area of the release. From the assessment it was determined the release was a reversed "L" shaped area. The impacted area measured approximately 225 feet long on its north south axis and 120 feet on the east-west axis. The width of the release area varied at approximately 25 feet wide on the northern portion of the impacted area, 10-15 feet wide in the southern section, and 15 feet wide on the lower western section. The depth of the release varied from 1-2 foot in the western section, 10 feet in the southern section near the pad, 3-4 feet in the section adjacent to the reserve pit and 7-8 feet in the uppermost northern section. A copy of the release map generated from the assessment is provided in Attachment B.

Because of the length and shape of the impacted area, it was initially divided into 4 sections or "Areas". Excavation of the impacted areas commenced in December, 2013. As areas were excavated, they were routinely screened and samples were collected as per approved plan by the NMOCD and sent for laboratory analysis for chlorides. A site diagram showing the excavation Areas and their subsequent dimensions is provided in Attachment C.

Discussion on the excavation of each area and other associated aspects are presented below and in the following pages.

Corrective Action Activities

Area 4

On December 19, 2013, Etech performed a clearance sampling event on the excavated area known as Area 4. This area was located at the furthermost north section of the impacted area and bounded the west side of the former reserve pit area. Samples were collected from specific areas of the excavation which had been excavated to 13 feet below ground level. The samples (SP1, SP2) were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical results are presented as follows:

Sample I.D. Reference		Depth (ft)	Chlorides (mg/kg)
SP1	East Wall	8	<16.0
SP1	West Wall 8		<16.0
SP1	North Wall	8	<16.0
SP1	Bottom	13	<16.0
SP1/2	Bottom	10	<16.0

Note: The sample labeled SP1/2 was from SP 2. However, the lab reported this as SP1. Therefore the I.D. for this report of "1/2" is used.

Based upon the results of the analyses, Area 4 was determined to be cleared for chlorides to the corrective action levels of 1,000 mg/kg or less. A copy of the data was electronically submitted to the New Mexico Oil Conservation Division (NMOCD) in Hobbs, New Mexico. The NMOCD approved backfilling of Area 4. A summary of the sample locations and analytical data are provided in <u>Attachment D-D1</u>.

Area 3

On December 20, 2013, Etech performed a clearance sampling event on the excavated area known as Area 3. This area was located directly south of Area 4 and bounded the west side of the former reserve pit area. Samples (SP3 – SP13) were collected from specific areas of the excavation which had been excavated to 11 feet below ground level. The samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical results are presented as follows:

Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)	
SP3	West Wall	4	<16.0	
SP3	East Wall	4	528	
SP3	Bottom	11	48.0	
SP4	West Wall	4	<16.0	
SP4	East Wall	4	224	
SP4	Bottom	11	80.0	

Additional sampling was performed on December 22, 2013 for the remainder of the Area 3 excavation, and to ensure the sidewalls were cleared at lower depths (>4-ft). The samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical results are presented as follows:

Sample I.D.	Reference Depth (ft)		Chlorides (mg/kg)
SP3	East Wall	East Wall 8	
SP3	West Wall	8	32.0
SP4	Bottom	13	608
SP4	East Wall	7	4080
SP4	West Wall	7	1040
SP5	Bottom	13	192
SP5	East Wall	7	32.0
SP5	West Wall	7	64.0
SP6	Bottom	13	240
SP6	East Wall	East Wall 7	
SP6	West Wall 7		1440
SP7	Bottom	13 1840	
SP7	East Wall	7	5040
SP7	West Wall	7	1920
SP8	Bottom	13	560
SP8	East Wall		
SP8	West Wall	7	800
SP9	Bottom	13	544
SP9	East Wall	7	32.0

Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP9	West Wall	7	224
SP10	Bottom	13	192
SP10	East Wall	7	16.0
SP10	West Wall	7	48.0
SP11	Bottom	13	48.0
SP11	East Wall	7	16.0
SP11	West Wall	7	16.0
SP12	Bottom	13	64.0
SP12	East Wall	7	16.0
SP12	West Wall	7	<16.0
SP13	Bottom	13	<16.0
SP13	East Wall	7	<16.0
SP13	South Wall	7	<16.0
SP13	West Wall	7	<16.0

Note: All bottom samples were part of a delineation trench excavated in the center of Area 3.

The analytical results concluded that sample points 3, 4, 6, 7 & 8 had elevated chloride levels along the walls, and also at the bottom in the case of SP7. However, based upon all of the other data, the bottom sample in SP7 was thought to have elevated chloride levels due to sloughing of the sidewall. This point was cleaned of soils in the bottom of the area and re-sampled on January 2, 2014. The sample was sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical result is as follows:

Sample I.D.	Reference	Depth (ft)	Initial Chlorides (mg/kg) Dec 22	Final Chlorides (mg/kg) Jan 2
SP7	Bottom	13	1840	160

The analytical results concluded that this area was cleared for chlorides.

The clean overburden was removed over the impacted wall areas (SP3, 4, 6, 7, and 8) and the impacted soils excavated and stockpiled for disposal. Confirmation samples were collected on January 7, 2014 from the excavated areas. The samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical results are presented as follows:

Sample I.D.	Reference	Depth (ft)	Initial Chlorides (mg/kg) Dec 22	Final Chlorides (mg/kg) Jan 7
SP3	East Wall	7	4320	<16.0
SP4	East Wall	7	4080	<16.0
SP4	West Wall	7	1040	<16.0
SP6	West Wall	7	1440	<16.0
SP7	East Wall	7	5040	192
SP7	West Wall	7	1920	<16.0
SP8	East Wall	7	7760	<16.0

Based upon the results of the analyses, Area 3 was determined to be cleared for chlorides to the corrective action levels of 1,000 mg/kg or less. A copy of the data was electronically submitted to the New Mexico Oil Conservation Division (NMOCD) in Hobbs, New Mexico. The NMOCD approved backfilling of Area 3. Summaries of the sample locations and analytical data are provided in <u>Attachment D-D2</u>.

Area 3D

(Note that sequentially, Area 2 was performed before Area 3D due to the utility pole issue.)

Area 3D was situated between Areas 3 & 2, and was bounded on the east side by the existing production pad. This area was not initially excavated for safety reasons associated with the utility pole, which was not present when the spill occurred. When the utility pole was later installed, it had been installed directly adjacent to the impacted area. Consequently the no excavation safety area was established, but Fasken Oil relocated the utility pole in January 2014, which allowed the area to be excavated.

On January 20, 2014, Etech performed a clearance sampling event on the excavated area known as Area 3D. Samples (3D-2, 3D-4 and 3D-5) were collected from specific areas of the excavation which had been excavated to depths ranging from 6 to 10 feet below ground level. The samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical results are presented as follows:

Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
3D-5	South Wall	3	224
3D-5	East Wall	3	32.0
3D-5	West Wall	3	384
3D-5	Bottom	6	16.0
3D-2	West Wall	3	848
3D-2	East Wall	3	767
3D-2	Bottom	9	160
3D-4	North Wall	3	464
3D-4	East Wall	3	<16.0
3D-4	Bottom	10	32.0

At the time of the above sampling additional excavation was required at the West wall in area 3D-4 due to elevated chlorides above regulatory threshold levels. Excavation of the west wall in Area 3D-4 was concluded on January 22, 2014. A sample was collected and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical result is presented as follows:

Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
3D-4	West Wall	3	64.0

Based upon the results of the analyses, Area 3 has been cleared for chlorides to the corrective action levels of 1,000 mg/kg or less. A copy of the data was electronically submitted to the NMOCD in Hobbs, New Mexico. The NMOCD approved backfilling of Area 3D. Summaries of the sample locations and analytical data are provided in <u>Attachment D-D3</u>.

Area 2

(As noted above, sequentially Area 2 was performed before Area 3D due to the utility pole issue.)

On December 23, 2013, Etech performed a clearance sampling event on the excavated area known as Area 2. This area was located south of Area 3/3D and bounded the west side of the existing production pad, extending south and then turning west across the dirt road for the northern freshwater frac pit. Samples (SP14 – SP 16) were collected from specific areas of the excavation which had been excavated to depths ranging from 5 to 8 feet below ground level. The samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical results are presented as follows:

Area 2 Sampling Results December 23, 2013 & January 22, 2014			
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP14	Bottom	8	64.0
SP14	East Wall	5	32.0
SP14	West Wall	5	2000
SP15	Bottom	5	48.0
SP15	East Wall	5	<16.0
SP15	West Wall	5	<16.0
SP16	Bottom	5	<16.0
SP16	East Wall	5	32.0
SP16	West Wall	5	<16.0

The analytical results determined all areas had cleared except for the northwestern portion of the excavation. This area was located at the edge of the safety perimeter of the utility pole. In January, 2014 Fasken Oil had the utility pole relocated away from the impacted area. The impacted area around SP14 was excavated and field screened until it met clearance objectives. On January 22, 2014 a clearance sample was collected from the excavated area. The sample sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical result is presented as follows:

Sample I.D.	Reference	Depth (ft)	Initial Chlorides (mg/kg) Dec 23	Final Chlorides (mg/kg) Jan 22
SP14	West Wall	3	2000	32

Note: The sample collected at this point was incorrectly recorded on the chain-of-custody as 3 feet and when the sample was actually collected at 5 feet. Based upon the results of the analyses, Area 2 has been cleared for chlorides to the corrective action levels of 1,000 mg/kg or less. A copy of the data was electronically submitted to the NMOCD in Hobbs, New Mexico. The NMOCD approved backfilling of Area 2. Summaries of the sample locations and analytical data are provided in <u>Attachment D-D4</u>.

Area 1

On January 22, 2014, Etech performed a clearance sampling event on the excavated area known as Area 1. This area was located west of Area 2 and constituted the terminus of the spill area. The impacted soil in this area was noted to be very shallow within 1 foot or less of the surface. A sample was collected from the area which had been excavated to a depth of 1 below ground level and approximately 25 foot

long. The sample was sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical result is presented as follows:

Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP3-25' Horizontal	Bottom	1	1020

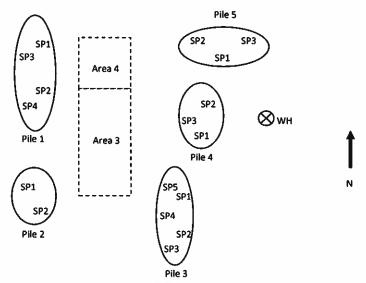
The analytical results determined the excavated area was slightly above regulatory threshold levels. The excavation was advanced an additional 35 feet horizontally. On January 24, 2014 a clearance sample was collected from the excavated area. The samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical result is presented as follows:

Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP3-60' Horizontal	Bottom	1	112

Based upon the results of the analyses, Area 1 has been cleared for chlorides to the corrective action levels of 1,000 mg/kg or less. A copy of the data was electronically submitted to the NMOCD in Hobbs, New Mexico. The NMOCD approved backfilling of Area 1. In addition to the excavation of central area within Area 1, the surface soils in the area outside of the excavation area were scraped and staged for disposal. This was completed to ensure the any soil from staging and loading operations were properly removed. Summaries of the sample locations and analytical data are provided in Attachment D-D5.

Soil Piles

On December 20, 2013, Etech performed a sampling event on the excavated material from Areas 3 & 4. The excavated materials were stockpiled in 5 areas around the east and west sides of the excavation site. Each stockpile area had grab samples collected from different sides to give a representation of the chloride content of each pile. A not-to-scale diagram of the soil piles, their sample numbers, and respective locations are presented below:



The samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides. The analytical results are presented on the following page.

Soi	l Pile December 20, 201	3 Sampling Result	ts
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
Pile 1 - SP1	Northeast Side	N/A	<16.0
Pile 1 - SP2	Southeast Side	N/A	<16.0
Pile 1 - SP3	Northwest Side	N/A	96.0
Pile 1 - SP4	Southwest Side	N/A	112
Pile 2 - SP1	Northwest Side	N/A	1070
Pile 2 - SP2	Southeast Side	N/A	656
Pile 3 - SP1	Northeast Side	N/A	576
Pile 3 - SP2	Southeast Side	N/A	<16.0
Pile 3 - SP3	Southwest Side	N/A	1010
Pile 3 - SP4	West Side	N/A	576
Pile 3 - SP5	Northwest Side	N/A	2880
Pile 4 - SP1	South Side	N/A	416
Pile 4 - SP2	Northeast Side	N/A	2720
Pile 4 - SP3	West Side	N/A	2000
Pile 5 - SP1	South Side	N/A	112
Pile 5 - SP 2	Northeast Side	N/A	64
Pile 5 - SP3	Northwest Side	N/A	176

A copy of the data was electronically submitted to the NMOCD in Hobbs, New Mexico. The NMOCD approved a technical approach for segregation of impacted soils above regulatory threshold levels and the use of soils below regulatory threshold levels for back fill material. Based upon the results of the analyses and with the concurrence of the NMOCD, the following actions were completed:

- Pile 1: This stockpile was cleared to be used for backfill.
- **Pile 2**: After further reviewing this pile, it was comprised of 2 piles side-by-side. The elevated pile was staged for disposal, the one below regulatory threshold levels was used for backfill material.
- **Pile 3**: There was one segment of the pile (SP5, Northwest side) that was removed and staged for disposal. After the initial elevated portion of the pile was been cut from the main pile, the cut side of the remaining pile was field screened at multiple intervals to ensure the impacted soil had been removed. When field screening is complete, a composite sample from the side of the pile was collected on January 8, 2014 and subjected to laboratory analysis for chlorides. The analytical results determined the end of the pile was 1040 mg/kg of chlorides. This section was blended and the pile was cleared for backfill.

Also, there was one other portion of stockpile that had chlorides (SP3, Southwest Side, over by 10 mg/kg) slightly above regulatory threshold levels. Because the elevated level was so slight, the stockpile was blended then rechecked. (This was done after the removal of the SP5 area has been confirmed.) The results determined the pile was cleared for backfill.

- Pile 4: The majority of this pile was above regulatory threshold levels. The pile was staged for disposal.
- Pile 5: This stockpile was cleared to be used for backfill.

Summaries of the sample locations and analytical data are provided in Attachment D-D6.

Sampling Protocols and Notations

Samples were collected utilizing an approach approved by NMOCD. In an effort to maintain as much accuracy and consistency as possible, all sampling points were maintained throughout the point of clearance. In addition, Etech split all samples for laboratory analyses with the Fasken representative. Routine chain of custody protocols were maintained for all samples subjected to laboratory analysis.

Disposal & Backfilling

Impacted soil was loaded onto 20 cubic yard belly or end style dump trucks and transported to the Lea Land Landfill located at 180 US Highway 82, Carlsbad, New Mexico. A total of 65 loads were transported and disposed of. A copy of the manifests are provided in
Attachment E.

As excavation areas were approved the NMOCD, backfilling was performed by installing the soil in shallow lifts in the excavation and compacting by bucket or tire packed by equipment. Backfill material consisted of overburden removed from the excavation and clean fill acquired from the Lea Land Landfill. Once an area was backfilled to grade, it was dressed and smoothed to match the existing contour. Photographs taken of the site after backfilling are provided in Attachment F.

Conclusion

Upon the completion of the above activities, and the analytical data presented in this report, the impact associated with the brine water release at the Quail State 16 No. 3H has been remediated in accordance with NMOCD regulations.

Attachment A Initial C-141



OILWELL CEMENTING SERVICES - PLUGGING & ABANDONMENT P.O. BOX 10451 • MIDLAND, TEXAS 79702

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Attachment B Release Assessment Map



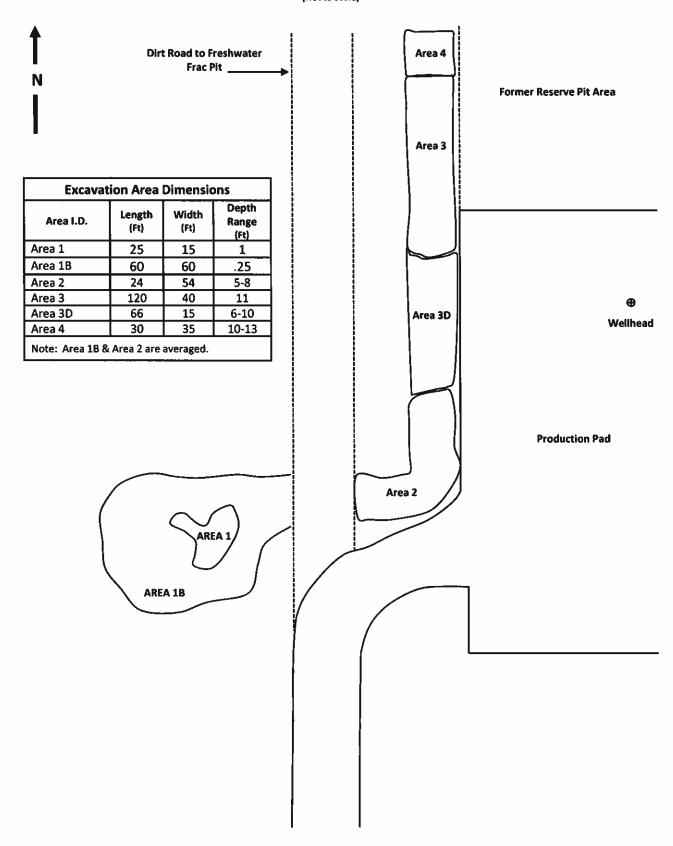
Data use subject to license.

© DeLorme. XMap® 7.

Attachment C Site Excavation Diagram

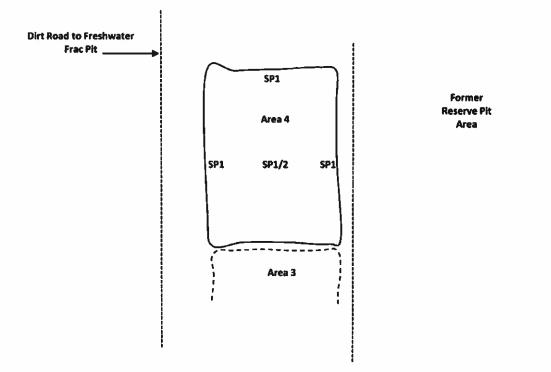
Quail State 16 No. 3H Site Excavation Diagram

(Not to Scale)



Attachment D Analytical Data

Attachment D-D1 Area 4 Analytical Data



A	rea 4 Sampling December 19,		
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP1	East Wall	8	<16.0
SP1	West Wall	8	<16.0
SP1	North Wall	8	<16.0
SP1	Bottom	13	<16.0
SP1/2	Bottom	10	<16.0



December 20, 2013

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 12/19/13 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.

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:

ETECH Environmental & Safety Solutions, Inc. **FRED HOLMES** P. O. BOX 8469

MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/19/2013

12/20/2013

Sampling Date:

12/19/2013

Reported:

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 4 SP 1 E WALL 8' (H303086-01)

Chloride,	SM4500CI-B	

mg/kg

Analyzed By: AP

Analyte

Chloride

Chloride

Chloride

Chloride

Result <16.0 Reporting Limit 16.0

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 12/20/2013 Method Blank ND

BŞ 400 % Recovery 100

True Value QC 400

400

400

RPD

3.92

3.92

Qualifier

Sample ID: AREA 4 SP 1 W WALL 8' (H303086-02)

Chloride, SM4500Cl-B	
Analyte	

mg/kg Result

<16.0

Result

<16.0

Result

<16.0

Analyzed By: AP Reporting Limit Analyzed

12/20/2013

Method Blank ND

BS 400

BS

400

% Recovery 100

True Value QC

RPD Qualifier

Sample ID: AREA 4 SP 1 N WALL 8' (H303086-03)

Chloride.	SM4500CI-B
CHICHICO,	317730061-0

Analyte

Analyte

Analyzed By: AP

Analyzed 12/20/2013

12/20/2013

Method Blank ND

% Recovery

True Value QC

RPD

3.92

Qualifier

Sample ID: AREA 4 SP 1 BOTTOM 13' (H303086-04)

Chloride,	SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed Method Blank

ND

BŞ 400 % Recovery

100

100

True Value QC 400

RPD 3,92

Qualifier

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keena Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/19/2013

Sampling Date:

12/19/2013

Reported:

12/20/2013

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number: Project Location: 328-3657-000 LEA COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: AREA 4 SP 1 BOTTOM 10' (H303086-05)

Chloride, SM4500Cl-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	12/20/2013	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidence or consequential dar including, without limitation, business interruptions, loss of use, or loss of profits incurred by Clardinal, regardless of whether claim is based upon any of the above stated reasons 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 D. Keena



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-8 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. Cardinat's leability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistonews shall be deemed wahed unless made in writing and received by Cardinal within birty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential diamages including, without limitation, business interruptions, loss of use, or loss of profis insurant by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sufficient pages of the profis in the contract of the services hereunder by Cardinal, regardless of whether sufficient pages of the profis in the profit of the profis in the profit of the pro

Celey D. Keine



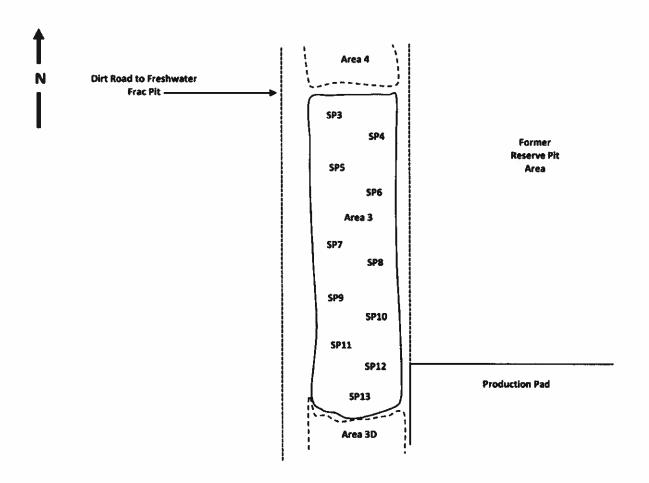
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Sampler - UPS - Bus - Other:

Attachment D-D2 Area 3 Analytical Data



	Area 3 Samplin December 20	-	
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP3	West Wall	4	<16.0
SP3	East Wall	4	528
SP3	Bottom	11	48.0
SP4	West Wall	4	<16.0
SP4	East Wall	4	224
SP4	Bottom	11	80.0

Area 3 Analytical Data (Continued)

Area 3 Sampling Results December 22, 2013 & January 2, 2014							
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)				
SP6	East Wall	7	256				
SP6	West Wall	7	1440				
SP7	East Wall	7	5040				
SP7	West Wall	7	1920				
SP8	Bottom	13	560				
SP8	East Wall	7	7760				
SP8	West Wall	7	800				
SP9	Bottom	13	544				
SP9	East Wall	7	32.0				
SP9	West Wall	7	224				
SP10	Bottom	13	192				
SP10	East Wall	7	16.0				
SP10	West Wall	7	48.0				
SP11	Bottom	13	48.0				
SP11	East Wall	7	16.0				
SP11	West Wall	7	16.0				
SP12	Bottom	13	64.0				
SP12	East Wall	7	16.0				
SP12	West Wall	7	<16.0				
SP13	Bottom	13	<16.0				
SP3	East Wall	8	4320				
SP3	West Wall	8	32.0				
SP4	Bottom	13	608				
SP4	West Wall	7	1040				
SP4	East Wall	7	4080				
SP5	Bottom	13	192				
SP5	West Wall	7	64.0				
SP5	East Wall	7	32.0				
SP6	Bottom	13	240				
SP13	East Wall	7	<16.0				
SP13	West Wall	7	<16.0				
SP13	South Wall	7	<16.0				
SP7	Bottom	13	1840				
	January 2 Analyti	ical Results					
SP7	Bottom	13	160				

Area 3 Sampling Results January 7, 2014							
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)				
SP3	East Wall	7	<16.0				
SP4	East Wall	7	<16.0				
SP4	West Wall	7	<16.0				
SP6	West Wall	7	<16.0				
SP7	East Wall	7	192				
SP7	West Wall	7	<16.0				



January 08, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/07/14 16:10.

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.

Celey D. Keene

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:

ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES

P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

01/07/2014

Sampling Date:

01/07/2014

Reported:

01/08/2014

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 3 SP 3 E. WALL 7' (H400048-01)

Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: AP					-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	
Sample ID: AREA 3 SP 4	E. WALL 7' (H4	100048-02)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	
Sample ID: AREA 3 SP 4 1 Chloride, SM4500CI-B	mg,	•	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	
Sample ID: AREA 3 SP 6	W. WALL 7' (H	400048-04)							
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
Chloride	<16.0	16.0	01/08/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES

P. O. BOX 8469

MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

Chlorida SMAEROCLAR

Chloride

01/07/2014

Sampling Date:

01/07/2014

Reported:

01/08/2014

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

<16.0

16.0

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 3 SP 7 E. WALL 7' (H400048-05)

Chioride, SM45UUCI-B	mg	/kg	Anaiyze	а ву: АР						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/08/2014	ND	416	104	400	0.00		
Sample ID: AREA 3 SP 7 V	W. WALL 7' (H	1400048-06)								
Chloride, SM4500CI-8	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	01/08/2014	ND	416	104	400	0.00		
Sample ID: AREA 3 SP 8 I	. WALL 7' (H	400048-07)								
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

ND

416

104

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01/08/2014

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager



ND

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500CI-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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keena



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: F +ec		ANALYSIS REQUEST
Project Manager: Fred HolineS	365	
1	Company:	
City: State: Zip:	Attns	
Phone #: Fax #:	Address:	
Project #: 328 - 3657 - 00 Project Owner:	City:	
Quail Stat	State: Zip:	
ă.	Phone #:	
Sampler Name: Jerry Ostova	Fax井	
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PLEASE NOTE: Lightly and Damages. Cardina's tability and dentity exclusive menety for any desire driving abvelow besed in content or but, while be limited to the enauty paid by the dentit for the authors. All delens including those for negligence and any other cause whethoever shall be desened wathed orders made in writing and received by Cardinal within 30 days other completion of the ag	to exclusive reasedy for any datas estaing severities beset in contract or both shall be finished to the enroughped by the client for the use whicknewn shall be desented welved unfeas made in writing and received by Cardinal within 30 days eiter completion of the applicable	applicable
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393/2326



January 03, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/02/14 16:45.

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.

Celey D. Keene

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:

ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES
P. O. BOX 8469
MIDLAND TX, 79708

Fax To: (432) 563-2213

Received:

01/02/2014

Sampling Date:

01/02/2014

Reported:

01/03/2014

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 3 SP 7 BOTTOM 13 (H400012-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/03/2014	ND	416	104	400	0.00	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Ubbliley and Damages. Cardinal's liability and clients' exclusive remarky for any cleim arising, whether based in contract or tort, shall be limited to the amount paid by client for enalyses. All cleims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential changes, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subclidation, attributes or successions arising out of or related to the performance of the services haveauder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with verticen approved of Cardinal Laboratories.

Celey D. Keine



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 D. Keina



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



December 26, 2013

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 12/23/13 17:10.

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/ga/lab accred certif.html.

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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.

Celey 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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES
P. O. BOX 8469
MIDLAND TX, 79708

Fax To:

(432) 563-2213

Analyzed By: CK

Received:

Chloride, SM4500CI-B

12/23/2013

Sampling Date:

12/23/2013

Reported:

12/26/2013

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

mg/kg

Sample ID: AREA 3 SP 6 E. WALL 7' (H303123-01)

	11191		Alkalyac							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256 16.0		12/26/2013	ND	448	112	400	7.41		
Sample ID: AREA 3 SP 6 W.	WALL 7' (H	303123-02)								
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	12/26/2013	ND	448	112	400	7.41		
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK						
Analyte	n ib									
	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifler	
Chloride	5040	Reporting Limit	Analyzed 12/26/2013	Method Blank	85 448	% Recovery	True Value QC 400	RPD 7.41	Qualifier	
	5040	16.0	•				•		Qualifier	
Sample ID: AREA 3 SP 7 W.	5040 WALL 7' (H	16.0	12/26/2013				•		Qualifler	
Chloride Sample ID: AREA 3 SP 7 W. Chloride, SM4500CI-B Analyte	5040 WALL 7' (H	16.0 303123-04)	12/26/2013	ND			•		Qualifier Qualifier	

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Celey D. Keena



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12/23/2013

Sampling Date:

12/23/2013

Reported:

12/26/2013

Sampling Type:

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 3 SP 8 BOTTOM 13' (H303123-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	i By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/26/2013	ND	448	112	400	7.41	
Sample ID: AREA 3 SP 8 E.	WALL 7' (H3	03123-06)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	12/26/2013	ND	448	112	400	7.41	
Sample ID: AREA 3 SP 8 W	/. WALL 7' (H	303123-07)							
Chloride, SM4500Cl-8	mg,	/kg	Analyze	d By: CK					
Analyte	Result Reporting Limit		Analyzed Blank Analyzed Method Blank		85	% Recovery	True Value QC	RPD	Qualifier
		800 16.0		Analyzed Method Blank 12/26/2013 ND		•	•		•
Chloride			•	ND	448	112	400	7.41	
•	800	16.0	•	ND	448	112	400	7.41	
Chloride Sample ID: AREA 3 SP 9 Bo	800	16.0 H303123-08)	12/26/2013	ND d By: CK	448	112	400	7.41	·
Chloride Sample ID: AREA 3 SP 9 Bo	800 OTTOM 13' (8	16.0 H303123-08)	12/26/2013		448 8s	112 % Recovery	400 True Value QC	7.41 RPD	Qualifier
Chloride Sample ID: AREA 3 SP 9 Bo Chloride, SM4500Cl-B Analyte	800 OTTOM 13' (8	16.0 1303123-08) /kg	12/26/2013 Analyze	d By: CK					Qualifler
Chloride Sample ID: AREA 3 SP 9 Be Chloride, SM4S00CI-B	800 OTTOM 13' (I mg Result 544	16.0 H303123-08) /kg Reporting Limit 16.0	12/26/2013 Analyze Analyzed	d By: CK Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride Sample ID: AREA 3 SP 9 Be Chloride, SM4S00CI-B Analyte Chloride Sample ID: AREA 3 SP 9 E.	800 OTTOM 13' (I mg Result 544	16.0 1303123-08) /kg Reporting Limit 16.0	12/26/2013 Analyze Analyzed 12/26/2013	d By: CK Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride Sample ID: AREA 3 SP 9 Bo Chloride, SM4500CI-B Analyte Chloride	800 OTTOM 13' (I mg Result 544	16.0 1303123-08) /kg Reporting Limit 16.0	12/26/2013 Analyze Analyzed 12/26/2013	d By: CK Method Blank ND	BS	% Recovery	True Value QC	RPD	Qualifier

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Celey D. Kuna



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FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/23/2013

Sampling Date:

12/23/2013

Reported:

12/26/2013

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 3 SP 9 W. WALL 7' (H303123-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/26/2013	ND	448	112	400	7.41	
Sample ID: AREA 3 SP 10	ВОТТОМ 13' ((H303123-11)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192 16.0		12/26/2013	ND	448	112	400	7.41	
Sample ID: AREA 3 SP 10	E. WALL 7' (H	-	Analyze	d By: CK					
		-	·	<u> </u>					
		Reporting Limit	Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
						•			•
•	16.0	16.0	12/26/2013	ND	448	112	400	7.41	•
Chloride	16.0	16.0	•	ND		·	•	7.41	•
Chloride Sample ID: AREA 3 SP 10	16.0 W. WALL 7' (16.0	12/26/2013	ND d By: CK		·	•	7.41	•
Chloride Sample ID: AREA 3 SP 10	16.0 W. WALL 7' (16.0 H303123-13)	12/26/2013			·	•	7.41 RPD	Qualifier
Chloride Sample ID: AREA 3 SP 10 Chloride, SM4500CI-B Analyte	16.0 W. WALL 7' (I	16.0 H 303123-13) /kg	12/26/2013 Analyze	d By: CK	448	112	400		
Chloride Sample ID: AREA 3 SP 10 Chloride, SM4500Cl-8	16.0 W. WALL 7' (I mg Result 48.0	16.0 H303123-13) /kg Reporting Limit 16.0	12/26/2013 Analyze Analyzed	d By: CK Method Blank	448 BS	112 % Recovery	400 True Value QC	RPD	
Chloride Sample ID: AREA 3 SP 10 Chloride, SM4500Cl-8 Analyte Chloride	16.0 W. WALL 7' (I mg Result 48.0 BOTTOM 13'	16.0 H303123-13) /kg Reporting Limit 16.0	12/26/2013 Analyze Analyzed 12/26/2013	d By: CK Method Blank	448 BS	112 % Recovery	400 True Value QC	RPD	
Chloride Sample ID: AREA 3 SP 10 Chloride, SM4500Cl-8 Analyte Chloride Sample ID: AREA 3 SP 11	16.0 W. WALL 7' (I mg Result 48.0 BOTTOM 13'	16.0 H303123-13) /kg Reporting Limit 16.0 (H303123-14)	12/26/2013 Analyze Analyzed 12/26/2013	d By: CK Method Blank ND	448 BS	112 % Recovery	400 True Value QC	RPD	

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Celey D. Keena



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MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/23/2013

Sampling Date:

12/23/2013

Reported:

12/26/2013

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 3 SP 11 E. WALL 7' (H303123-15)

Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value OC	RPD	Oualifier
16.0					70 NCCOVCIY	Truc Value Qe	KFU	Qualifier
16.0 16.0		12/26/2013	ND	448	112	400	7.41	
WALL 7' (I	1303123-16)							
mg/	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	16.0	12/26/2013	ND	448	112	400	7.41	
,	• •							
mg,	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
64.0	16.0	12/26/2013	ND	448	112	400	7,41	
VALL 7' (H	303123-18)							
mg,	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	16.0	12/26/2013	ND	448	112	400	7.41	
WALL 7' (H303123-19)							
mg	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	12/26/2013	ND	448	112	400	7.41	
	Result 16.0 TOM 13' (mg/ Result 64.0 VALL 7' (H mg/ Result 16.0 WALL 7' (I mg/	16.0 16.0 TTOM 13' (H303123-17) mg/kg Result Reporting Limit 64.0 16.0 VALL 7' (H303123-18) mg/kg Result Reporting Limit 16.0 16.0 WALL 7' (H303123-19) mg/kg Result Reporting Limit	mg/kg Analyzed Result Reporting Limit Analyzed 16.0 12/26/2013 TTOM 13' (H303123-17) Manalyzed Result Reporting Limit Analyzed 64.0 16.0 12/26/2013 VALL 7' (H303123-18) mg/kg Analyzed Result Reporting Limit Analyzed WALL 7' (H303123-19) Mg/kg Analyzed Result Reporting Limit Analyzed	mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank 16.0 16.0 12/26/2013 ND TOM 13' (H303123-17) mg/kg Analyzed By: CK Result Reporting Limit Analyzed Analyzed By: CK Result Reporting Limit Analyzed By: CK Result Reporting Limit Analyzed Method Blank 16.0 Method Blank 16.0 ND	mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS 16.0 16.0 12/26/2013 ND 448 TTOM 13' (H303123-17) mg/kg Analyzed By: CK Result Reporting Limit Analyzed By: CK Analyzed By: CK Result Reporting Limit Analyzed Method Blank Analyzed By: CK WALL 7' (H303123-19) mg/kg Analyzed By: CK WALL 7' (H303123-19) mg/kg Analyzed By: CK Result Reporting Limit Analyzed By: CK Method Blank BS Method Blank BS Method Blank Meth	mg/kg Analyzed By: CK Result Reporting Limit Analyzed By: CK TTOM 13' (H303123-17) mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS % Recovery 64.0 16.0 12/26/2013 ND 448 112 VALL 7' (H303123-18) mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS % Recovery 16.0 16.0 12/26/2013 ND 448 112 WALL 7' (H303123-19) mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery	mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank 8S % Recovery True Value QC 16.0 16.0 12/26/2013 ND 448 112 400 TTOM 13' (H303123-17) mg/kg Analyzed By: CK Result Reporting Limit Analyzed By: CK VALL 7' (H303123-18) mg/kg Analyzed By: CK Result Reporting Limit Analyzed By: CK WALL 7' (H303123-19) Mg/kg Analyzed By: CK Result Reporting Limit Analyzed By: CK	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD

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Celuy D. Keine



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FRED HOLMES P. O. BOX 8469

MIDLAND TX, 79708

Fax To:

(432) 563-2213

Analyzed By: CK

Received:

Chloride, SM4500Cl-B

12/23/2013

Sampling Date:

12/23/2013

Reported:

12/26/2013

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

mg/kg

Sample ID: AREA 3 SP 13 BOTTOM 13' (H303123-20)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
hloride <16.0 16.0 12/26/20				ND	448	112	400	7.41	
Sample ID: AREA 3 SP 3 B	ЮТТОМ 13' (Н	1303123-21)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/26/2013	ND	432	108	400	0.00	
Sample ID: AREA 3 SP 3 E	. WALL 8' (H3	(03123-22)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Dogult	Departing Limit		AA-11 4 011-	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte	Result	Reporting Limit	Analyzed	Method Blank	03	% Recovery	True value QC	KFD	Qualities
Chloride	4320	16.0	12/26/2013	Method Blank	432	108	400	0.00	Quanter
•	4320	16.0	·			•			Quanter
Chloride Sample ID: AREA 3 SP 3 V	4320 V. WALL 8' (H	16.0	12/26/2013			•			Quanto
Chloride Sample ID: AREA 3 SP 3 V	4320 V. WALL 8' (H	16.0 303123-23)	12/26/2013	ND		•			Qualifier
Chloride Sample ID: AREA 3 SP 3 V Chloride, SM4500CI-B Analyte	4320 V. WALL 8' (H	16.0 303123-23) /kg	12/26/2013 Analyze	ND d By: CK	432	108	400	0.00	
Chloride Sample ID: AREA 3 SP 3 V Chloride, SM4500Cl-B Analyte Chloride	4320 V. WALL 8' (H mg Result 32.0	16.0 303123-23) /kg Reporting Limit 16.0	12/26/2013 Analyze Analyzed	ND d By: CK Method Blank	432 BS	108 % Recovery	400 True Value QC	0.00	
Chloride Sample ID: AREA 3 SP 3 V Chloride, SM4500Cl-B	4320 V. WALL 8' (H mg Result 32.0 BOTTOM 13' (I	16.0 303123-23) /kg Reporting Limit 16.0	12/26/2013 Analyze Analyzed 12/26/2013	ND d By: CK Method Blank	432 BS	108 % Recovery	400 True Value QC	0.00	
Chloride Sample ID: AREA 3 SP 3 V Chloride, SM4500CI-B Analyte Chloride Sample ID: AREA 3 SP 4 B	4320 V. WALL 8' (H mg Result 32.0 BOTTOM 13' (I	16.0 303123-23) /kg Reporting Limit 16.0 H303123-24)	12/26/2013 Analyze Analyzed 12/26/2013	ND d By: CK Method Blank ND	432 BS	108 % Recovery	400 True Value QC	0.00	

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Celey D. Kuna



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P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received: Reported: 12/23/2013

12/26/2013

Project Name: Project Number:

QUAIL STATE 16 NO. 3H 328-3657-000

Project Location:

LEA COUNTY, NM

Sampling Date:

12/23/2013

Soil

Sampling Type:

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: AREA 3 SP 4 W. WALL 7' (H303123-25)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040 16.0 12/26/2013 ND		ND	432	108	400	0.00		
mple ID: AREA 3 SP 4 E. WALL 7' (H303123-26)									
loride, SM4500CI-8 mg/kg		Analyze	d By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	12/26/2013 ND		432	108	400	0.00	
Sample ID: AREA 3 SP 5 BC	OTTOM 13' (I	•	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/26/2013	•		108	400	0.00	
Sample ID: AREA 3 SP 5 W	. WALL 7' (H	303123-28)							
Chloride, SM4500CI-8	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/26/2013	ND	432	108	400	0.00	
Chloride Sample ID: AREA 3 SP 5 E.			12/26/2013	ND	432	108	400	0.00	
		303123-29)	, ,	ND d By: CK	432	108	400	0.00	
Sample ID: AREA 3 SP 5 E.	WALL 7' (H3	303123-29)	, ,		432 BS	108 % Recovery	400 True Value QC	0.00 RPD	Qualifier

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Celey D. Kuna



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MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

Chiadas CHAEGOCI O

12/23/2013

12/26/2013

Sampling Date:

12/23/2013

Reported: Project Name:

QUAIL STATE 16 NO. 3H

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 3 SP 6 BOTTOM 13' (H303123-30)

Chloride, SM4500CI-8	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/26/2013	ND	432	108	400	0.00	
Sample ID: AREA 3 SP 13	B E. WALL 7' (H	303123-31)							
Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: CK		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/26/2013	ND	432	108	400	0.00	
Sample ID: AREA 3 SP 13	•	-							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/26/2013	ND	432	108	400	0.00	
Sample ID: AREA 3 SP 13	3 S. WALL 7' (H	(303123-33)							
Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/26/2013	ND	432	108	400	0.00	
Sample ID: AREA 3 SP 7	BOTTOM 13' (I	H303123-34)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	12/26/2013	ND	432	108	400	0.00	
Cnjoride	1840	10.0	12/20/2013	NU	432	108	400	0.00	

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ed in contract or tort, shall be limited to the amount paid by client for enalyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cerdinal within thiny (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, attiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approved of Cardinal Laboratories.

Celey D. Keena



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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Celey D. Keena



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

		CHECKED BY:	Sample Condition		(Circle One)	Delivered By: (Circle One)
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	8	City:		ect Owner:	Project #: 32 8 - 3 6 57 -000 Project Owner:	Project #: 32
		Address:		77	Fax井	Phone #:
		Attn:		te: Zip:	State:	City:
		Company:				Address:
	3657-000	P.O.# 728-3		とっと	11	Project Manager:
ANALYSIS REQUEST					Etech	Company Name:

817-739-3255

Sampler - UPS - Bus - Other:



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

Company Name: E 4005			ANALYSIS REQUEST	
Project Manager:	Holmes	P.O. #: 328-3657_000		
Address:		Company:		
City:	State: Zip:	Attr:		
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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	The Tecs		ANALYSIS REQUEST
Project Manager:		P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Quail State 16 3# Area 3		
Project Location:		Phone #:	
Sampler Name:	TERMY OSBORD	Fax #:	
FOR LAB LIBE OALY	MATRIX	PRESERV, SAMPLING	
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Lab I.D.	Sample I.D. 3) RAB OR CONTAIN ROUNDW (ASTEWA) OIL	LUDGE THER: CID/BASE E/COOL THER:	
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PLEASE NOTE: Listing and December 2	nages. Cardinat's Babilly and offerth exchance form as for negligance and eny other cause whetsoever t	andy for any claim making whether based in contract or too, shall be limited to the amount paid by the affect in the Article developed while a misses made in writing and received by Continut within 30 days that completion of the publisher without through the above made in writing and received or of continue to contract for affect, the waterfacture,	applicable Signature Signa
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Phone Result: Fax Result: REMARKS:

Push!!

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:



101 East Marland, Hobbs, NM 88240 (675) 393-2326 FAX (675) 393-2476

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	Relinguished By:	PLEASE NOTE: Listing and Danages. Cardina's stoling and of makes. All claims including flow for negligence and any other service. In no event shall Cardinal be listle for incidental or consu-					A Area	000 7100	700	Lab I.D. S	FOR LAB USE ONLY	Sampler Name: 1017	Project Location:	Project Name: Q VK.	Project #: 326 -3	Phone #:	City:	Address:	Project Manager:	
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 3934228



December 21, 2013

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/13 16:05.

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. Keene

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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/20/2013

Reported:

12/21/2013

Project Name:

QUAIL STATE 16 NO. 3H

Project Number:

328-3657-000

Project Location:

LEA COUNTY, NM

Sampling Date:

12/20/2013

Sampling Type:

Soil

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

Jodi Henson

Sample ID: SP 3 WEST WALL 4' (H303106-01)

Chionde,	SM4500CI-B

Chloride

Chloride

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result <16.0 Reporting Limit 16.0

Reporting Limit

16.0

16.0

Reporting Limit

16.0

Analyzed 12/21/2013

Analyzed

12/21/2013

12/21/2013

12/21/2013

Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD

3.92

Qualifier

Sample ID: SP 3 EAST WALL 4' (H303106-02)

Chloride,	SM4500CI-B	

Analyte

mg/kg

Result

528

Result

48.0

Result

<16.0

Analyzed By: AP

Method Blank

ND

BŞ

400

% Recovery

100

100

True Value QC

400

400

RPD

Sample ID: SP 3 BOTTOM 11' (H303106-03)

Analyte

Analyte

Chloride, SM4500CI-B

Analyzed By: AP

Reporting Limit Analyzed Method Blank ND

ND

BS

400

% Recovery True Value QC

RPD 3.92

3.92

Qualifier

Qualifier

Qualifier

Sample ID: SP 4 WEST WALL 4' (H303106-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyzed Method Blank

BS

400

% Recovery

100

True Value QC 400

RPD

3.92

Cardinal Laboratories

*=Accredited Analyte

by Cardinal within thirty (30) days after complete y client, its subsidiaries, affiliates or successors aris

Celey D. Keene, Lab Director/Quality Manager

Celeny D. Keena

Page 2 of 5



ETECH Environmental & Safety Solutions, Inc. **FRED HOLMES**

P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/20/2013

Sampling Date:

12/20/2013

Reported:

12/21/2013

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number: Project Location:

328-3657-000 LEA COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: SP 4 EAST WALL 4' (H303106-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result 224

Reporting Limit 16.0

Analyzed 12/21/2013 Method Blank

ND

BS 400 % Recovery 100

True Value QC 400

RPD

3.92

Sample ID: SP 4 BOTTOM 11' (H303106-06)

Chloride, SM4500CI-B

Analyte

Analyzed By: AP

Analyzed

Method Blank

% Recovery

True Value QC

RPD

Chloride

Chloride

Result 80.0

Reporting Limit 16.0

12/21/2013

ND

BS 400

100

400

3.92

Qualifier

Qualifier

Cardinal Laboratories

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unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be

Celey D. Keena Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



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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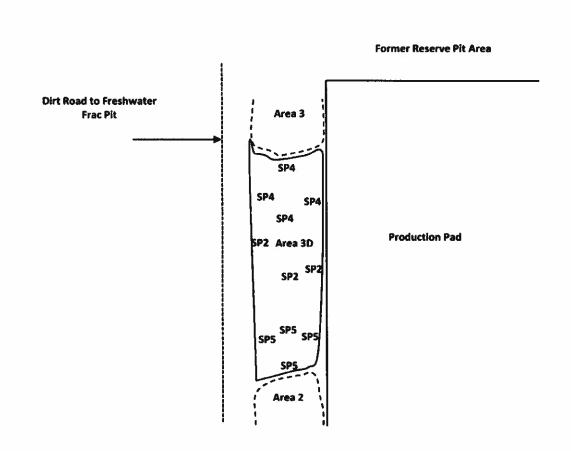
Celey D. Kuna



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

Company Name:	Exach				ANALYSIS REQUEST	
Project Manager:	7		P.O. #: 328-3/57	2000		
Address:	•	= 3.	Company:			
City:	State:	Zip:	Attn:			
Phone #:	Fax #:) in the	Address:		0	
Project #: 328	Project #: 328-3657-000 Project Owner:	or:	City:			
Project Name:	13		State: Zip:		-	
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Sampler Name:	Terry Oscola		Fax #:			
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	G		
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Relinquished By:	Date:	discoved By:		インコロ		
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Sampler - UPS - Bus - Other:	*	30.00 B	130	÷		
		100				-

Attachment D-D3 Area 3D Analytical Data



,	Area 3D Samplin January 20 & 2	_	
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
3D-5	South Wall	3	224
3D-5	East Wall	3	32.0
3D-5	West Wall	3	384
3D-5	Bottom	6	16.0
3D-2	West Wall	3	848
3D-2	East Wall	3	767
3D-2	Bottom	9	160
3D-4	North Wall	3	464
3D-4	East Wall	3	<16.0
3D-4	Bottom	10	32.0
Ja	anuary 22 Sampl	ing Results	
3D-4	West Wall	3	64.0



January 22, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/21/14 16:05.

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/ga/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



ETECH Environmental & Safety Solutions, Inc. **FRED HOLMES** P. O. BOX 8469

MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

01/21/2014

Sampling Date:

01/20/2014

Reported:

01/22/2014

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number: Project Location: 328-3657-001 LEA COUNTY, NM Sample Received By:

Amanda Ponce

Sample ID: 3D 5 S. WALL 3' (H400193-01)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Result Reporting Limit

Analyzed

Method Blank

% Recovery

True Value QC

Chloride

224

16.0 01/22/2014 ND

BS 416

104 400 RPD

0.00

Qualifier

Qualifier

Qualifier

Sample ID: 3D 5 E. WALL 3' (H400193-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

Reporting Limit

Reporting Limit

Analyzed 01/22/2014 Method Blank ND

BS 416

BS

BS

416

% Recovery

True Value QC

RPD

0.00

Chloride 32.0 16.0 104 400

Sample ID: 3D 5 W. WALL 3' (H400193-03)

Chloride, SM4500CI-B

Analyte

Result

Analyzed By: AP

Method Blank

% Recovery

True Value QC

RPD Qualifier

Analyzed Chloride 384 16.0 01/22/2014 ND 416 104 400 0.00

Analyzed

01/22/2014

Sample ID: 3D 5 BOTTOM 6' (H400193-04)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte Result Reporting Limit Chloride 16.0 16.0

Method Blank ND

% Recovery

104

True Value QC 400

RPD

0.00

Cardinal Laboratories

*=Accredited Analyte

Celey D. Kuna Celey D. Keene, Lab Director/Quality Manager

Page 2 of 6



ETECH Environmental & Safety Solutions, Inc. **FRED HOLMES**

P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Analyzed By: AP

Received:

Chloride, SM4500Cl-R

01/21/2014

Reported:

01/22/2014

Project Name:

QUAIL STATE 16 NO. 3H

Project Number:

328-3657-001

Sampling Date:

01/20/2014

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Project Location:

LEA COUNTY, NM

Sample Received By:

Amanda Ponce

Sample ID: 3D 2 W. WALL 3' (H400193-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	01/22/2014	ND	416	104	400	0.00	
Sample ID: 3D 2 E. WALL	3' (H400193	-06)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	767	16.0	01/22/2014	ND	416	104	400	0.00	
Sample ID: 3D 2 BOTTOM Chloride, SM4500CI-B	•	:-07) /kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/22/2014	ND	416	104	400	0.00	
Sample ID: 3D 4 N. WALL	3' (H400193	-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	464	16.0	01/22/2014	ND	416	104	400	0.00	
Sample ID: 3D 4 E. WALL	3' (H400193	-09)							
Chloride, SM450GCI-B		/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/22/2014	ND	416	104	400	0.00	

Cardinal Laboratories

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any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequence including, without limitation, business interruptions, loss of use, or loss of profits incurred by Cardinal, regardless or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless or dailing is based upon any of the above stated reasons 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 D. Kuna



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

01/21/2014

Reported: 01/22/2014

Project Name:

QUAIL STATE 16 NO. 3H

Project Number: Project Location: 328-3657-001

LEA COUNTY, NM

Sampling Date:

01/21/2014

Sampling Type:

Soil

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

Amanda Ponce

Sample ID: 3D 4 BOTTOM 10' (H400193-10)

Chloride, SM4500CI-B	mg,	/kg	Anasyze	а ву: АР					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/22/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



ND

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature,

Analyte NOT DETECTED at or above the reporting limit

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. Kuna

Company Name:	E Tech				ANALYSIS	REQUEST
Project Manager:	3	.o.4	0.# 328 3657	000		,
Address:		8	Company: F Tech			
City	State:	Zip: Attn:	7			
Phone #: 432-	Phone #: 432-5-63-22-00 Fax #:	Ad	Address:			
Project # 32 8 36	3667 co/ Project Owner	City:	4			
Project Name: Qua	15	A- 30	State: Zip:			
Project Location:	hen county	P	Phone #: 432-563-2200	200		
Sempler Name:	Home	Fa	1			
FOR LABURE ONLY		MATRIX	PRESERV. SAMPLING	-		_
Lab I.D.	Sample I.D.	S)RAB OR (C)OMP CONTAINERS ROUNDWATER WASTEWATER SOIL DIL BLUDGE OTHER:	CID/BASE: CE / COOL DTHER :	Chloride		
T TOWER	3D5 S, Wall 3'	7	205-19	1510		
7	- W. 1			1516		
w.	W.Wall			1520		
_	Sottom			1525		
Ŋ	5			1530		
6	02 Ewa!			1535		
	Bottom	1	10 mg/	4 OF SIA		
		_	31 Jan 16 1500	1500		
Q	A	, ,		1505		
Of	and Demagne. Cardinal's labelly and effects excludes sensely for any	y my claim edding where besed in contract or to	in make in written and receivable by Cardinal within 30 days allow completing of the second start for the second s	by the client for the complication of the explication	Terms and Co 30 days past d	orms and Conditions; bits, sai sai be charged on all occurs to days past due of the rate of 24% per annum from the origin
enalyses. All delites incheding those for a searche. In no search stell Cardinal to be stillates or autoceause artisting out of as in Sampler Reillinguis/shed:	egilgonce and say other o de for incidental or consex stated to the performance	the despired washed problem from in where and not consent of contract was a variety and washed problem. It was of the contract and without from the contract and	amme by Casonia was a voy. of use, or less of profits bocamed by of seed upon any of the above states se		Yes II No Add'l Phone #:	and all coats of collections, including attorney's laws. d'i Phone #: d'I Fax #:
Relinquished By:	Time;	Rescontant By:		REMARKS:	14	
	Time:					
Charle One)		ture.				

Sampler - UPS - Bus - Other: 70-20



January 23, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/22/14 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/ga/lab 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.

Celey 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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469

MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

Chloride

01/22/2014

Sampling Date:

01/22/2014

Reported:

01/23/2014

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

16.0

Sampling Condition:

416

104

** (See Notes)

0.00

Project Number:

328-3657-001

64.0

Sample Received By:

Jodi Henson

400

Project Location:

LEA COUNTY, NM

Sample ID: 3 D 4 W. WALL @ 3' (H400208-01)

Chloride, SM4500CI-B	mg,	/kg	Analyz	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

01/23/2014

Sample ID: AREA 2 SP 14 W. WALL @ 3' (H400208-02)

Chloride, SM4500Ct-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/23/2014	ND	416	104	400	0.00	

ND

Sample ID: AREA 1 SP 3 1' DEEP @ 25' OUT (H400208-03)

			/						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	01/23/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keena



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: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for enabyses. All claims, including those for negligence and any other cause whitsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. 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 the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laborstories.

Celecy D. Keena

ARDINAL LABORATORIES 101 East Merland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Attachment D-D4 Area 2 Analytical Data

Dirt Road to Freshwater
Frac Pit

Area 2

Site Access Road

Production Pad

Decen	Area 2 Samplin nber 23, 2013 &	•	2014
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP14	Bottom	8	64.0
SP14	East Wall	5	32.0
SP14	West Wall	5	2000
SP15	Bottom	5	48.0
SP15	East Wall	5	<16.0
SP15	West Wall	5	<16.0
SP16	Bottom	5	<16.0
SP16	East Wall	5	32.0
SP16	West Wall	5	<16.0
	January 22, 201	4 Results	
SP14	West Wall	3	32



December 26, 2013

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 12/23/13 17:10.

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/ga/lab 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.

Celey 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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469

MIDLAND TX, 79708

Fax To:

(432) 563-2213

Analyzed By: CK

Received:

Chloride, SM4500CI-B

12/23/2013

Sampling Date:

12/23/2013

Reported:

12/26/2013

Sampling Type:

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number: Project Location: 328-3657-000

Sample Received By:

Jodi Henson

LEA COUNTY, NM

mg/kg

Sample ID: AREA 2 SP 14 BOTTOM 8' (H303124-01)

Anatyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/26/2013	ND	432	108	400	0.00	
Sample ID: AREA 2 SP 14	E. WALL 5' (H303124-02)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/26/2013	ND	432	108	400	0.00	
Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: CK				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	12/26/2013	ND	432	108	400	0.00	
Sample ID: AREA 2 SP 15	BOTTOM 5'((H303124-04)							
Chloride, SM4500CI-B		th-	Anahma	d By: CK					
	mg	/ Kg	MINITAL	u by. CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Chloride					BS 432	% Recovery	True Value QC	RPD 0.00	Qualifier

Cardinal Laboratories

*=Accredited Analyte

dy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed wahred unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. 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 Clark, its subsidiaries, affiliates or successors arising out of or releted to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons 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 D. Kuna



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/23/2013

Sampling Date:

12/23/2013

Reported:

12/26/2013

Sampling Type:

BS

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-000

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 2 SP 15 E. WALL 5' (H303124-05)

Chloride.	SM4500CI-B

Analyzed By: CK

Analyte

Result

Reporting Limit Analyzed Method Blank

% Recovery

True Value QC

RPD Qualifier

Chloride

Chloride

<16.0

Result

<16.0

16.0

12/26/2013

ND

432 108 400

0.00

Sample ID: AREA 2 SP 15 W. WALL 5' (H303124-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: CK

Analyte

Reporting Limit

16.0

Analyzed

12/26/2013

Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 0.00

Qualifier

Sample ID: AREA 2 SP 16 BOTTOM 8' (H303124-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: CK

Analyte

Analyte

Analyte

Reporting Limit Analyzed

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifler

Chloride

Chloride

Chloride

Result 16.0

Result

32.0

Result

<16.0

16.0

Reporting Limit

16.0

Reporting Limit

16.0

12/26/2013

ND

432

108

400

7.14

Sample ID: AREA 2 SP 16 E. WALL 5' (H303124-08)

Chloride, SM4500Cl-B

Analyzed By: CK

Analyzed

12/26/2013

Method Blank

ND

BŞ

432

BS

432

% Recovery

True Value QC

400

RPD

Qualifier

Qualifler

Sample ID: AREA 2 SP 16 W. WALL 5' (H303124-09)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: CK

Analyzed 12/26/2013

Method Blank

ND

% Recovery

108

108

True Value QC

400

7.14

RPD

7.14

Cardinal Laboratories

*=Accredited Analyte

unless made in writing and received by Cardinal width thirty (30) days after completion of the applicable service. In no of use, or less of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the perform In no event shall Cardinal be liable for incidental or con-

Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's liability and client's exclusive remoty for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed valved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be Bable 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 the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons 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 D. Kuna



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

Company Name: Frech			ANALYSIS REQUEST
Project Manager: Fied Holmes	P.O. # 328 -365/	3	
Address:	Company:		
City: State:	Zip: Attn:		
Phone #: Fax #:	Address:		
Project #: 328 - 3657-000 Project Owner:			
Project Name: Quail State 16 3 H	Ares 2		
		5	
Sampler Name: Terry Ossor	Fax th:	de	
	Vers	l	
	R	O pr	
Lab I.D. Sample I.D.	UDGE HER: HO/BASE: E/COOL HER:		
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4 Mrs. 2596 Bottom 5			
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9 Mrs. 2 SPIL W. Wall 5"			
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Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Time:

REMARKS:

Rush!!



January 21, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/17/14 12:45.

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/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab 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.

Celey 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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES
P. O. BOX 8469
MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

01/17/2014

Sampling Date:

01/16/2014

Reported:

01/21/2014

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-001

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 2 SP 14 WEST WALL 5' (H400158-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	88	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	01/20/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for enalyses. All claims, including those for negligence and any other cause whistoners shall be deemed wakned unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be Bable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successions 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 relate only to the samples identified above. This report shall not be reproduced except in full with writina approval of Cardinal laboratories.

Celey D. Kuna



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 MOTE: Liability and Demages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistovers shall be determed we'ved unless made in writing and received by Cardinal within 14th (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, which in the applicable service, and the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, which in the applicable service in the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results risks only to the samples identified above. This report shall not be reproduced except in full with written approved of Cardinal laboratories.

Celey D. Keena

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ec (cuc)	1505) 30	101 Fast	ARDINAL	}	
1 333-6360 FdA	3 3336 Earl	Markand, Hobbs, Ni	LABORATORIES	87.90	
303) 333-2	ENE 1202	S. NM 8824	IORIE	i	
	176	8	S)	

Company Name: Etech Env. & Safety Solutions, Inc.	3.5 54		100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000		ANALYSIS REQUEST	REQUEST	
Project Manager: Fred Holmes	# 00	P.O. # 328-3657-001	100-1	As .	u Ü	10	134 134 134 134
Address: P.O. Box 8469	6. 42	Сотралу:	25 -#6	- G	4	29 10	-2
City: Midland State: TX	Zip: 79708 Attn:	Attn:	=				
e#: 432-563-2200 Fax#:	563-2213	Address:		Σ'n		o Ĉ	
: 329-3657-00 Project Owner:	. S ::	City:	8:	50 N		3	
	Acea 2	State: Zip:				e A ^E	
ė		Phone #:			93		
Buck		Fax #:		N _{es}	80		
4	XISTIAM	PRESERV SAMPLING	Ğ	2	Ş		-
Lab I.D. Sample I.D.	OWATER VATER	SE: OL	15)	(TX 1006)			
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Relinquished: Did 11 14	ુક્	Menson	15	☐ Yes ☐ No	o Add'i Phone #: o Add'i Fax #:		
Refinquished By: Deto:	Received By:		of the second of)	o /		3 S
	Temp. Sample Condition Cool Intact Year 17 Year	CHECKED BY:	_	22/	7	•	
Sampler - UPS - Bus - Other:	は近点に、これの				(

Page ____ of ___



January 23, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/22/14 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/ga/lab accredited certif.html.

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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.

Celey D. Keene

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Sincerely,

Celey D. Keene

Lab Director/Quality Manager



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

01/22/2014

Reported:

01/23/2014

Project Name:

QUAIL STATE 16 NO. 3H

Project Number: **Project Location:** 328-3657-001

LEA COUNTY, NM

Sampling Date:

Sampling Condition:

Sample Received By:

01/22/2014

Sampling Type:

Soil ** (See Notes)

Jodi Henson

Sample ID: 3 D 4 W. WALL @ 3' (H400208-01)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result

64.0

Reporting Limit 16.0

Analyzed 01/23/2014 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

0.00

Qualifier

Sample ID: AREA 2 SP 14 W. WALL @ 3' (H400208-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result 32.0

16.0

Reporting Limit

Reporting Limit

Analyzed 01/23/2014

Analyzed

Method Blank ND

Method Blank

ND

BS 416

104

% Recovery

True Value QC 400

RPD

0.00

Qualifier

Sample ID: AREA 1 SP 3 1' DEEP @ 25' OUT (H400208-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Result Chloride 1020

01/23/2014 16.0

BS 416 % Recovery 104

True Value QC 400

RPD 0.00

Qualifler

Cardinal Laboratories

*=Accredited Analyte

writing and received by Cardinal within thirty (30) days after com of profits incurred by client, its subsidiaries, affiliates or successors

Celey D. Kuna 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

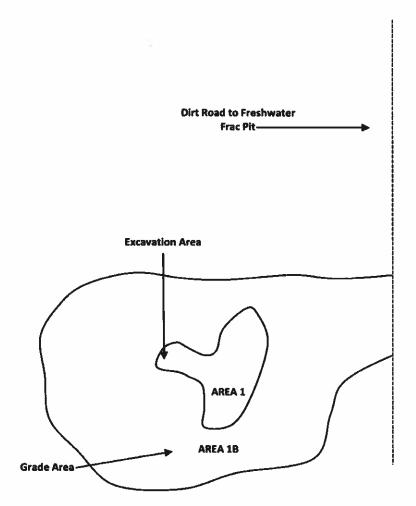
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim entains, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All cleims, including those for negligence and any other cause whatoverer shall be deemed waived unless made in writing and received by Cardinal within 11thing (30) days after completion of the applicable service. 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 clerk, its subsidiaries, 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keena

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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· · I		P.O.# 3283657001	00/	7		F)
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State:	Zip:	Attn:		1.		
Phone #:432-563-2200 Fax #:		Address:				
		City:		4		
te		State: Zip:			- T	(;
	1.4	Phone #:432 563 22	2200			7
7		Fax #:				
BLO UNISE ONLY	MATRIX	PRESERV. SAMPLING	1			
Lab I.D. Sample I.D.	NB OR (C)OMP. NTAINERS JINDWATER TEWATER KGE	ER: /BASE: COOL ER:	hlorio			
H400208	GI W SI	0		+	1	
304 W					+ + +	
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chairs hidly and chedy exclusive in Spance and any other cause whatcome		diber besed in contract or tort, shall be linited to the serving pold by the diset for the page made in writing and received by Cardinal within 30 days after completion of the explosible page made interruptions, loop of cam, or loops of publis hearing by diset, its substitutions.	of the cleant for the applicable completion of the applicable	Tenses and Con- 30 days past dwi and all costs of o	Tennes and Conditional interest will be chapped on all accounts more than 30 days peat due at the rate of 29% per soneum from the original date of freedor and all coats of collections, including attempt's from.	ecounts more than ecipinal date of invoice,
auon arbing get et ar related to the parformance of confess here	10.	ed upon any of the above stated re-	7	II No		
Sampler Relincuyshed:	lod i	enson) No		
Relinquished By: Date: Time:	Referred By:		24 hrs	rosh.		
Delivered By: (Circle One)	Temp. Sample Condition Cool Intact Cool Intact Cool Intact	tion CHECKED BY:		-		



	ea 1 Sampling R nuary 22 & 24,		
Sample I.D.	Reference	Depth (ft)	Chlorides (mg/kg)
SP3-25' Horizontal	Bottom	1	1020
Jan	uary 24, 2014 R	esults	
SP3-60' Horizontal	Bottom	1	112



January 23, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/22/14 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/ga/lab 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. Keene

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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received: Reported: 01/22/2014

01/23/2014

Project Name:

QUAIL STATE 16 NO. 3H

Project Number: Project Location: 328-3657-001 LEA COUNTY, NM Sampling Date:

01/22/2014

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

416

Jodi Henson

Sample ID: 3 D 4 W. WALL @ 3' (H400208-01)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result 64.0

Reporting Limit 16.0

Analyzed 01/23/2014 Method Blank ND

BS % Recovery

104

True Value QC

400

RPD 0.00

Qualifier

Sample ID: AREA 2 SP 14 W. WALL @ 3' (H400208-02)

Chioride.	SM4500CI-B	

mg/kg

Analyzed By: AP

Analyte

Result

32.0

Reporting Limit 16.0

Analyzed 01/23/2014 Method Blank ND

BS % Recovery 416 104

True Value QC 400

RPD

Qualifier 0.00

Qualifier

Sample ID: AREA 1 SP 3 1' DEEP @ 25' OUT (H400208-03)

	Chloride,	SM4500CI-B
--	-----------	------------

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit
Chloride	1020	16.0

Analyzed 01/23/2014 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages

Celey D. Kuna



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 MOTE: Ubblilly and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistonery shall be deemed waived unless made in writing and received by Clentinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be Bable for Incidental demages, including, whiteled 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 raison only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kuna

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Marino:		ANALYSIS REQUEST
Project Manager: F Ham. 5	P.O.# 3283657001	
	Company: Free &	
City: State: Zip:	Attn:	
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	City:	
te 1	State: Zip:	
	Phone #:482-563 2200	-
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Lab I.D. Sample I.D.	R: BASE: COOL	hlor
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7 6 14 14	22. [4] 1/00 -	
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PLASE NOTE: Lightly and Dunnagon. Conduct's flability and clear's codesive remody for any claim asking whether bused in con-	inct or tork, shall be limited to the smoot g and received by Cardinal willing 30 day	Terms and Conditions: therest the case of 20% per commit early and there are seen and conditions of the case of 20% per commit early and date of broken
eest shall Casifinal be bable for incidental or consequental duranges, including visitoral findles and the control of a critical to the postermence of services harmonds by Casifinal, Inguin	alon, businesse bisorreptions, loss of ties, or some or promis notices of years, as accessions, days of whather such chain is based upon any of the above stated insecting or otherwise.	
Sampler Relinquished: P4524/14 Receiv		I: ☐ Yes ☐ No AddTPhone #:
The things	Car Jackson .	11 0 1
Relinquished By: Rejen	S. C.	4 hre Kosh
Sampler - UPS - Bus - Other: 20,8°C	Sample Condition CHECKED SY: Cool Intact Cool Intact (Into System Cool Into System Cool Int	
Plane to white the property of	7	



January 27, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/24/14 15:50.

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/ga/lab-accred-certif.html.

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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.

Celey D. Keene

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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES
P. O. BOX 8469
MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

01/24/2014

Sampling Date:

01/24/2014

Reported:

01/27/2014

Sampling Type:

Soil

Project Name:

QUAIL STATE 16 NO. 3H

Sampling Condition:

** (See Notes)

Project Number:

328-3657-001

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: AREA 1 SP 3 @ 1' DEEP, W. 60' (H400241-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	f By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/27/2014	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLESE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any dalm arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoners shall be deemed walved unless made in writing and received by Cardinal Within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential dismages including, without limitation, business interruptions, loss of use, or loss of profits incurred by Clerk, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Clarkinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This proof will have not been produced except in full with written approval of Cardinal Laboratories.

Celey D. Kuna



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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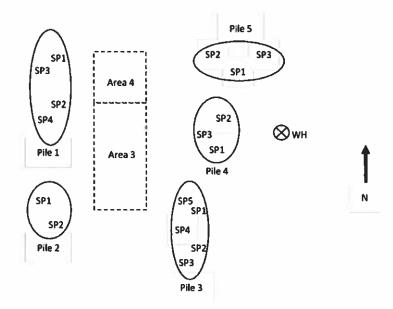
Celey D. Kuna

ARDINAL LABORA TORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2328 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(ove) 383-2320 rax (ove) 383-2476	76		0.000		Page	S.	
Company Name:	" E Tech	10 E			ANA	ANALYSIS REQUEST	ST	
Project Manager:	4		P.O.# 328 3657	001				1
Address:	1	Ş	Company:					
City:	State:	Zip:	Attn:		0 A E			25
Phone #: 437-	Phone #: 432 - 563 - 1200 Fax #:		Address:		13	. 0		· ·
Project #: 328	8 3(5700) Project Owner:	£.	City:			8		. 34
Project Name: Quant	Quail State 16 No 3H		State: Zip:				3	
Project Location:	Lea County	7,9 500	Phone #: 432-563-22-00	200		(12)	12.	71
Sampler Name:	Humphriescheen		Fax #:		18	ia S		
FOR LAB USE ONLY	(1998) (2)	MATRIX	PRESERV. SAMPLING	16		111 121 124		
Lab I.D.	Sample I.D.		ASE: OOL	loride			230	
H400241	200	# CON GROU WAST SOIL OIL SLUD	OTHE ACID/I ICE / C OTHE	TIME			to ž	
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Sampler Relinquish	Ished: 04074/14	7 월		Phone Result: 1 Yes	□ □ 종 중	Add'l Phone #;		
Relinguished By	103:50	The The	denson	~			2.00 #4	
34 -		報 王		Kush X	7			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Bus - Other: 33,40	Sample Condition Cool Intact Tes	n CHECKED.BY:	0			1 48.	v *
		_	722					_

Attachment D-D6 Soil Pile Analytical Data



Soil Piles					
December	20, 2013 Sampling Res	ults			
Sample I.D.	Reference	Chlorides (mg/kg)			
Pile 1 - SP1	Northeast Side	<16.0			
Pile 1 - SP2	Southeast Side	<16.0			
Pile 1 - SP3	Northwest Side	96.0			
Pile 1 - SP4	Southwest Side	112			
Pile 2 - SP1	Northwest Side	1070			
Pile 2 - SP2	Southeast Side	656			
Pile 3 - SP1	Northeast Side	576			
Pile 3 - SP2	Southeast Side	<16.0			
Pile 3 - SP3	Southwest Side	1010			
Pile 3 - SP4	West Side	576			
Pile 3 - SP5	Northwest Side	2880			
Pile 4 - SP1	South Side	416			
Pile 4 - SP2	Northeast Side	2720			
Pile 4 - SP3	West Side	2000			
Pile 5 - SP1	South Side	112			
Pile 5 - SP 2	Northeast Side	64			
Pile 5 - SP3	Northwest Side	176			



December 21, 2013

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/13 16:50.

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



 ${\bf ETECH\ Environmental\ \&\ Safety\ Solutions,\ Inc.}$

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/20/2013

Reported:

12/21/2013

Project Name:

QUAIL STATE 16 NO. 3H

Project Number:

328-3657-000

Project Location:

LEA COUNTY, NM

Sampling Date:

12/20/2013

Sampling Type:

Soil

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

Jodi Henson

Sample ID: PILE 1 SP 1 (H303105-01)

Chioride,	SM4500CI-B

Chloride

Chloride

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyzed By: AP

Analyte

Result

Reporting Limit

Analyzed 12/21/2013

Method Blank ND 8S 416 % Recovery 104 True Value QC 400 RPD

3.92

Qualifier

Sample ID: PILE 1 SP 2 (H303105-02)

cilioniue,	317430061-	0

Analyte

Analyte

Analyte

mg/kg Result R

<16.0

Result

96.0

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 12/21/2013

Method Blank ND BS 416 % Recovery

True Value QC 400 RPD 3.92

Qualifier

Sample ID: PILE 1 SP 3 (H303105-03)

	Chloride,	SM4500CI-B
--	-----------	------------

mg/kg

Analyzed Sy: AP

Analyzed

12/21/2013

Analyzed

12/21/2013

Method Blank

ND

BS 416 % Recovery

True Value QC

RPD Qualifier

Sample ID: PILE 1 SP 4 (H303105-04)

Chloride,	SM4500CI-B
-----------	------------

mg/kg Result R

112

Analyzed By: AP

Method Blank

ND

BS 416 % Recovery

True Value QC

400

RPD

3.92

3.92

Quatifier

Cardinal Laboratories

*=Accredited Analyte

PLENCE TOTE: Uses yell billings. Carallars's isosey and county excusive remoty for any care arising, whether beed in contract or tort, shall be limbed to the amount paid by client for analyses. All claims, including those for negligence and any other cares whichsower shall be deemed waived unless made in writing and received by Cardinal within thiny (30) days after completion of the applicable service. In no event shall be deemed waived unless made in writing and received by Cardinal within thiny (30) days after completion of the applicable service. In no event shall be labele for incidental or consequential damages, including, without limitedon, business interruptions, loss of use, or loss of profits incurred by client, its subdidiaries, arilliates 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keena



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

(432) 563-2213

Fax To:

Received:

12/20/2013

Reported: Project Name: 12/21/2013 QUAIL STATE 16 NO. 3H

Project Number:

328-3657-000

Result

656

Reporting Limit

16.0

Project Location:

Analyte

Chloride

LEA COUNTY, NM

Sampling Date:

Sampling Type:

BS

416

12/20/2013 Soil

Sampling Condition:

% Recovery

104

** (See Notes)

True Value QC

400

RPD

3.92

Sample Received By:

Jodi Henson

Qualifier

Qualifier

Sample ID: PILE 2 SP 1 (H303105-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD
Chloride	1070	16.0	12/21/2013	ND	416	104	400	3.92
Sample ID: PILE 2 SP 2 (I	1303105-06)							
Chloride, SM4500CI-8	mg	/kg	Analyze	d By: AP				

Analyzed

12/21/2013

Sample ID: PILE 3 SP 1 (H303105-07)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/21/2013	ND	416	104	400	3.92	

Method Blank

ND

Sample ID: PILE 3 SP 2 (H303105-08)

Chioride, 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	12/21/2013	ND	416	104	400	3.92	

Sample ID: PILE 3 SP 3 (H303105-09)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	12/21/2013	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Other cause whatsoever shall be deemed wahed unless made in writing and received by Cardinal with thirty (30) days after completed be deemed wahed unless made in writing and received by Cardinal with thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable sing, without firstation, 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 the services hereunder is based upon any of the above stated reasons 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 D. Kuna



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/20/2013

Reported:

12/21/2013

Project Name:

QUAIL STATE 16 NO. 3H

Project Number: Project Location: 328-3657-000

LEA COUNTY, NM

Sampling Date:

12/20/2013

Sampling Type:

Soil ** (See Notes)

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: PILE 3 SP 4 (H303105-10)

Chloride, SM4500CI-	Ch	lorid	e, S	M4	50	OC!	-E
---------------------	----	-------	------	----	----	-----	----

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result

576

Result

2880

Reporting Limit 16.0

Analyzed 12/21/2013

Analyzed

Analyzed

Method Blank ND

BS

% Recovery 100

True Value QC

RPD

Qualifier

Sample ID: PILE 3 SP 5 (H303105-11)

Chioriae,	SM4500CI-B
	

mg/kg

Analyzed By: AP

400

BS

400

400

3.92

Analyte

Reporting Limit

16.0 12/21/2013 Method Blank ND

BS

% Recovery

100

3.92

RPD Qualifier

Sample ID: PILE 4 SP 1 (H303105-12)

Chloride, SM4500CI-B

Analyte

Analyte

Analyte

Analyzed By: AP

True Value QC

True Value QC

400

Qualifler

Chloride

Result 416

16.0 12/21/2013 ND

Method Blank

400

% Recovery 100

400

RPD

3.92

Sample ID: PILE 4 SP 2 (H303105-13)

Chloride, SM4500CI-8

mg/kg

Analyzed By: AP

Chloride

Chloride

Result 2720 Reporting Limit 16.0

Reporting Limit

16.0

Reporting Limit

Analyzed 12/21/2013

Analyzed

12/21/2013

Method Blank ND

BS 400 % Recovery 100

True Value QC

RPD

Qualifier

400

3.92

Sample ID: PILE 4 SP 3 (H303105-14)

Chloride, SM4500Cl-B

mg/kg

Result

2000

Analyzed By: AP

Method Blank

ND

BS

400

% Recovery

100

True Value QC

400

3.92

RPD Qualifler

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damaons. within thirty (30) days after com

Celey D. Keena



ETECH Environmental & Safety Solutions, Inc. **FRED HOLMES** P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

12/20/2013

Reported:

12/21/2013

Project Name:

QUAIL STATE 16 NO. 3H

Project Number:

328-3657-000

Project Location:

LEA COUNTY, NM

Sampling Date:

12/20/2013

Sampling Type:

Soil

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

Jodi Henson

Sample ID: PILE 5 SP 1 (H303105-15)

Chloride,	SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit

16.0

Reporting Limit

16.0

Analyzed

Method Blank

BS

% Recovery

True Value QC

Qualifier

Chloride

Chloride

112

Result

64.0

12/21/2013

ND

400

100 400

RPD 3.92

Qualifier

Sample ID: PILE 5 SP 2 (H303105-16)

Chloride,	SM4500CI-B

Analyte

mg/kg

Analyzed By: AP

Analyzed Method 8lank

BS 400

% Recovery 100

True Value QC 400

RPD Qualifier

Sample ID: PILE 5 SP 3 (H303105-17)

Chlorida	SM4500CI-B
CINOTIUE.	3M43VVCI-D

Analyzed By: AP

Ana	alyte	Result
Chloride		176

Reporting Limit 16.0

Analyzed 12/21/2013

12/21/2013

Method Blank ND

ND

BS 400 % Recovery 100

True Value QC 400

RPD 3.92

3.92

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remady for arm

Celey D. Kaina Celey D. Keene, Lab Director/Quality Manager

Page 5 of 8



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 MOTE: Liability and Damages, Cardinal's bability and client's explostive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysiss. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Curdinal be liable for incidental or consequential claimages including, without limitation, business intermptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether sucl claim is based upon any of the above stated related to the performance of the services hereunder by Cardinal, regardless of whether sucl claim is based upon any of the above stated related to the performance of the services hereunder by Cardinal, regardless of whether sucl claim is based upon any of the above stated related to the performance of the services hereunder by Cardinal, regardless of whether sucl

Celey D. Kuna



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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			Sir				. Se	X			•	To the app	ther based in constant or tolt, shall be limited to the adjourst puid by the client for the se made in writing and received by Cardinal within 30 days after completion of the applicable	o de la compa	ed in contract or took shall be limited to the a h writing and received by Cardinal within 30	V P	bot she	and or 1	de cont	made in	oly for any claim arising whether be half be deemed walved unless made	cisim arising who mad waived unit	any clas	mady for am	Austra I	COLUMN 15	RESIDE ROTE: Cataly and Duragus, Carabul's labely and clients exclusive ass mayors. All claims including flows by negligence and any other cause whelicover	8 2	D	All deline including those for neg	duding .		1 20	16
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240 (575) 383-2326 FAX (575) 393-2476

Company Name: E /zch			ANALYSIS REQUEST
		000-1598-826:# 0.4	×
Address:		Company:	*
State:	Zip:	Attn:	
e p:		Address:	
328-3657-000		City:	
mme: Quail State!	Н	State: Zip:	
-		Phone #:	
Sampler Name:	3	Fax #:	5
FOR LAB LISE ONLY	MATRIX	PRESERV SAMPLING	e
	WATER		1000
<u>v</u>	(G)RAB # CONTA GROUNI WASTEN SOIL OIL SLUDGE	OTHER ACID/BA ICE / CO OTHER DATE	C
11 pile3 5P5	V		V
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PLEASE MOTE: Limbility and Duringon. Continue's labelity and disnets exclusive receively for an PLEASE MOTE: Limbility and Duringon. Continue's labelity and disnet exclusive receively for an analysis. All delines including from for tradgence and any other causes wholesever what to do earlies. In no event shall Continue to facility for incidental or corresponded descriptor, backeting or earlies.	by for any dialan childing windows based in content or tort, shall be limited to fine or for content of the content which which will not content by Continut within 30 colors of the content which will not the content by Continut within 30 colors of the content will not content of the colors of profits for childing will not be sufficient, business interruptions, loss of the colors of profits for	need or lock, shall be limited to the amount paid by the affect for the age and reserved by Continual within 30 days effect completion of the app forms, loss of loss, or loss of profits incorned by disert, its substituties,	or the
Relinquished By:	Received By	Phone Result: Fax Result: REMARKS:	Hutt: □ Yes □ No Add'I Phone ★ tt: □ Yes □ No Add'I Fax #:
Rollinquished By: Dette:		- Amarica	Rust!!
Sampler - UPS - Bus - Other: 30.6°C	Sample Condition	ON CHECKER IN:	
† Cardinal cannot accept verbal changes. Please fax written changes to (575)	fax written changes to (100年100	



January 09, 2014

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: QUAIL STATE 16 NO. 3H

Enclosed are the results of analyses for samples received by the laboratory on 01/08/14 16:45.

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/ga/lab 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. Keene

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



ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received: Reported: 01/08/2014

01/09/2014

Project Name:

QUAIL STATE 16 NO. 3H

Project Number: Project Location: 328-3657-000 LEA COUNTY, NM Sampling Date:

01/08/2014

Sampling Type: Soil Sampling Condition:

Sample Received By:

** (See Notes)

Jodi Henson

Sample ID: PILE 3 SP 5 (H400071-01)

Chioride, SM450UCI-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	01/09/2014	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed wahed unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be table for incidental or consequential dan including, without limitation, business interruptions, loss of use, or loss of profits incurred by Clarified, regardless of whether claim is based upon any of the above stated reasons 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 D. Keena



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. Kama



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Etech			ANALYSIS REQUEST	ST
Project Manager:					
Address:			Company:		
City:	State:	Zip:	Attn:		
Phone #:	Fax#:		Address:		
Project #:	Project Owner:	ā	City:	11	
Project Name:		-	State: Zip:		9
Project Location:			Phone #:	<u> </u>	W
Sampler Name:	Jerry Osborn		Fax #:	e :	
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING		
		TER	42	lo mi	G
7. P. I.D.	Sample I.D.	AB OR NTAIN UNDW TEWA	ER: /BASE COOL	()	
100 b	2.0	# CC	ICE.	<u>.</u>	
200	Dile 3 SAS	<u> </u>	-8-13	<	
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PLEASE NOTE: LINES on	PLEASE NOTE: Lipsibly and Dismages. Candina's Eabily and client's exclusive remark for any claim adeing whether based in contend or test, shall be findled in the amount paid by the client for the	any dain adaing whether based in co	ratest or test, shall be limited to the amount paid by the clients and excellent by Carolina within 30 days after commission	of the production	
enapped. All cashes evaluate	Compact of Course Statement and Course of Course Statement of the Course State		et. Al Canta Statute at Implementation of the control of the contr	All and the second seco	

75.65 COL 1985

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Time:

Phone Result: ☐ Yes ☐ No Add'i Phone #:

ax Result: ☐ Yes ☐ No Add'i Fax #:

BusH!!

Relinquished By:

Attachment E Manifests



Non-Hazard	ous Waste Manifest	Manifest No:	328-365	7-001	. 01
		1	(Project		(Load No.)
Generator Inf					
Generator:			Conta	act: Chr	istian Lavallee
Address:	10350 Richmond Ave.		Phone	e. <u>713</u>	-435-6100
	Houston,TX 77042	·····			
	e Name Quail State 16 No		Leas	se No.:	
County/State:	Lea, NM	Facility Type: Ga	s Well	-	
Waste Inform	ation				
Description			Quantity	Unit	Waste Code
Chloride contamin	nated soil from drilling operations.		20	CY	
Transporter I	nformation				
Transporter:	Blade		I.D. N	No.: 409	96
Address.	1100 East Michigan Dr				5-390-5004
City/State:	Hobbs, NM				
Receiving Fa	cility Information		_		
_	Lealand		Pho	ne: 405	5-236-4257
Address:	180 US 62	<u></u>	•		/M131401
City/State:	Carlsbad, NM		, Citilit	140	191131401
Generator: The vinegulations based Transporter: I per	n Statements waste(s) described above is not a haze d upon process knowledge, and or and tify the waste in quantity above was re r I certify that the designated waste(s)	alysis, and/or MSDS. eceived by me for shipme	ent to the designa	ted receivin	
Signatures					
Generator	- lessy	U sligh	Opera.	tor.	1-6-201 Date
Transporter	Aug (Jugan	2 S2	Title		1-6-14 Date
Receiving Facility	AHUI		Tale Maste	¥	1-6-14



Non-Hazardo	ous Waste Manifest			0 -
	Manifest No:			
Generator Info	n monatia m	(Project	No.)	(Load No.)
	B 11 B W	Contr		ممالمت المتعقبة
	10350 Richmond Ave.			hristian Lavallee
	Houston,TX 77042	Phon	e. <u>/</u>	13-435-6100
	Name: Quail State 16 No 3H		sa Na	
	Lea, NM Facility Type: _Ga		3 C 11Ų	
County/Clate.	Lea, Nill Type. Ga	2 44611		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations.			174010 0000
		20	CY	
		· · · · · · · · · · · · · · · · · · ·		
			<u> </u>	
Transporter Is	oformation			
Transporter:		10.1	lo e d	006
•	1100 East Michigan Dr.		No.: 4	75-390-5004
City/State:	Hobbs, NM			
Oily/Glate.	TIOUDS, NIM	ITUCK I	NO	
Receiving Fac	cility Information			
Facility:	Lealand	Pho	ne: 4	05-236-4257
Address:	180 US 62	Permit	No: S	WM131401
City/State:	Carlsbad, NM		_	
regulations based Transporter: I cert	Statements laste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. ify the waste in quantity above was received by me for shipme I certify that the designated waste(s) were received via the designated waste(s)	nt to the designa	ted recei	
Signatures				
Generator	/ sely il sligh	Operation	01	1-6-2011
Transporter	JAIME QUEZADA SE	Title		1-6-14 Date
Receiving Facility	D Donzaliz			1-6-14



Non-Hazard	ous Waste Manifest	Manifest No:	328-365	7-001	63
			(Project I	No.)	(Load No.)
Generator Inf					
					ristian Lavallee
	10350 Richmond Ave.		Phone	e: <u>/1</u>	3-435-6100
City/State:		211			
	e Name: Quail State 16 No			se No.:	
County/State:	Lea, NM	Facility Type: Ga	s vveii		
Waste Inform	ation				
Description			Quantity	Unit	Waste Code
	nated soil from drilling operations.				7.4010 0040
			20	CY	
				_	
Transporter I	nformation				
Transporter	Blade		I.D. N	lo 40	96
Address:	1100 East Michigan Dr.		Pho	ne 57	5-390-5004
City/State	Hobbs, NM				
Bassiving Fa	ailin Information				
_	cility Information				
Facility:	Lealand		•		5-236-4257
	180 US 62		. Permit	No. SV	VM131401
City/State;	Carlsbad, NM				
Generator: The v regulations based Transporter: I cert	A Statements vaste(s) described above is not a haz if upon process knowledge, and or an tify the waste in quantity above was r contify that the designated waste(s	alysis, and/or MSDS received by me for shipme	ent to the designat	ted receiving	
Signatures					
Generator	- / was	see !	Ope In Fo	nr.	1-6-30 H
Transporter	Londisos 7	Trucking _	Dr 1 Ver		1-6/14/
Receiving Facility	AMU		X 4 le line	der .	1-6-14



United with \$34	Left positions tuc				Fax: 432-563-221
Non-Hazardo	ous Waste Manifest				- 11
		Manifest No:			94
Generator Infe	ormation		(Project	No)	(Load No)
	Propinion Drilling		Cont	act: Chr	istian Lavallee
	10350 Richmond Ave.				3-435-6100
	Houston,TX 77042			o. <u>/10</u>	7-400-0100
•	e Name: Quail State 16	No 3H		se No	
	Lea, NMT			30 140	
			10 77011	<u>_</u>	
Waste Inform	ation				
Description			Quantity	Unit	Waste Code
Chloride contamin	nated soil from drilling operations		~ ^	CY	
			20	Ci	
				<u> </u>	
Transporter le	nformation				
Transporter:	Blade	 .	I.D. I	No.: 409	96
Address:	1100 East Michigan Dr.				5-390-5004
City/State:	Hobbs, NM	·			
_	cility Information				
•	Lealand	<u> </u>	. Pho	one: 405	-236-4257
	180 US 62		Permit	No: SW	/M131401
City/State:	Carlsbad, NM				
regulations based Transporter: I cert	Statements vaste(s) described above is not a l upon process knowledge, and o lify the waste in quantity above w it certify that the designated was	or analysis, and/or MSDS was received by me for shipme	int to the designa	ited receivin	
Signatures		, , ,			
Generator		3 & sly	- CAC/O	tor	0 - 6 - 20 Date
Transporter	Pontrois Fran	Ros 1	Drlvy / Title		1-6-141 Date
Receiving	(1) (1)	_/)	Λ.		1 1 1 1



		Manifest No:	328-365		- 45 (Load No.)	
Generator Inf	ormation		ii - slaut		from me	
Generator:	Precision Drilling		Contact:		Christian Lavallee	
Address:	10350 Richmond Ave.					
City/State:	Houston,TX 77042					
Property/Leas	e Name: Quail State 16 N	lo 3H	Lea	se No.:		
County/State:	Lea, NM	Facility Type: _Ga	as Well			
Waste Inform	ation					
Description			Quantity	Unit	Waste Code	
Chloride contamir	nated soil from drilling operations.			CY		
		M				
Transporter I	nformation					
Transporter:				No.: 40	96	
Address:	1100 East Michigan Dr.	<u></u>			5-390-5004	
City/State:	Hobbs, NM		Truck	No. 🗾	19	
Receiving Fa	cility Information				5 to	
Facility:	Lealand		Pho	one: 40	5-236-4257	
•	180 US 62		Permit No: SWM131401			
City/State:	Carlsbad, NM		_			
Generator: The waregulations based Transporter: I cert Receiving Facility	Statements vaste(s) described above is not a h upon process knowledge, and or tify the waste in quantity above wa : I certify that the designated waste	analysis, and/or MSDS, s received by me for shipma	ent to the designa	ted receiv		
Signatures						
Generator	/ ally 6) slep	Opera:	tor	1-6-20 A	
Transporter	Confessa 7.	rukng	Dr/VIV		/- 6- /4/ Date	
Receiving Facility	Tholes L	<u> </u>	Calenco	6,4	1-6-A	



Non-H	lazardous	Waste	Manifest

Non-Hazardo	Manifest No:			-026			
Generator Info	ormation	(Project	ן מא	(Load No.)			
Generator:	Precision Drilling	Contact: C		Christian Lavallee			
	10350 Richmond Ave.			713-435-6100			
	Houston,TX 77042						
Property/Lease	Name: Quail State 16 No 3H		se No.:				
County/State:	Lea, NM Facility Type: Ga	as Well					
Waste Informa	ation						
Description		Quantity	Unit	Waste Code			
	ated soil from drilling operations.	20	CY	174355 0000			
Transporter Ir	nformation						
Transporter:	Blade		No.: 40				
	1100 East Michigan Dr		_	5-390-5004			
City/State:	Hobbs, NM	Truck I	No				
Receiving Fac	cility Information						
Facility:	Lealand	Pho	one: 40	5-236-4257			
Address:	180 US 62			SWM131401			
City/State:	Carlsbad, NM	_					
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility. I certify that the designated waste(s) were received via the designated transporter.							
Signatures							
Generator	1 chy & sin	Opera	ter	1-5-20/4			
Transporter	Ponderosa Truking	Dr.JUEV Title		1-6-14/ Date			
Receiving Facility	2 Lungaliz -	Tribig		1- 6-141 Date			



Etriconnecingi A Sai	ofy Sakpora, Sic				Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest				
	Ma	nifest No:	328-365		
Generator Info	ormation		(Project	NO)	(Load No.)
	Precision Drilling		Conta	act: C	hristian Lavallee
	10350 Richmond Ave.		Phon		13-435-6100
	Houston,TX 77042				
-	Name: Quail State 16 No 3H		—- Lea	se No.:	
•		Type: Ga			
Waste Informa	ation		<u></u>		
Description			Quantity	Unit	Waste Code
	ated soil from drilling operations.				111111111111111111111111111111111111111
			20	CY	
-	<u> </u>				
		i			
Transporter in	nformation				·
Transporter:	Blade		I.D. I	No.: 4	096
Address:	1100 East Michigan Dr.		_	-	75-390-5004
City/State:	Hobbs, NM		_		
Receiving Fac	cility Information				
Facility:	Lealand		Pho	one: 4	05-236-4257
Address:	180 US 62		Permit	No: S	WM131401
City/State:	Carlsbad, NM				
regulations based Transporter: I certi	Statements aste(s) described above is not a hazardous was upon process knowledge, and or analysis, and/o fy the waste in quantity above was received by r I certify that the designated waste(s) were recei	r MSDS. ne for shipme	nt to the desiona	ited receiv	
Signatures					
Generator	1.4hy 0 st	<u> </u>	Epera;	tor	1-6-2019
Transporter	James Overson		DRIVER Title		1-1-14 Date
Receiving Facility	D. Danzala		Title		1-6-14
					~010



Non-Hazard	ous Waste Manifest			Ω
		lo: 328-365 (Project		(Load No.)
Generator Inf	ASKEN OITAGES			
Generator:	Precision Drilling	Cont	act: Chi	ristian Lavallee
Address:	10350 Richmond Ave.	Phor	ne: 713	3-435-6100
City/State:	Houston,TX 77042			
Property/Lease	e Name: Quail State 16 No 3H	Lea	se No.	
County/State:	Lea, NM Facility Type:			
Waste Inform	ation			
Description		Quantity	Unit	Monto Code
Chloride contamin	nated soil from drilling operations.	Quantity	Utill	Waste Code
		20	CY	
			<u></u>	
Transporter I	nformation			
Transporter:	Blade	I.D.	No.: 409	96
Address:	1100 East Michigan Dr.			5-390-5004
City/State:	Hobbs, NM			
Receiving Fa	cility Information			
Facility:	Lealand	Pho	one: 405	5-236-4257
Address:	180 US 62			/M131401
City/State:	Carlsbad, NM			
Certification Generator: The w regulations based Transporter: 1 cert	s Statements vaste(s) described above is not a hazardous waste pursua upon process knowledge, and or analysis, and/or MSDS. lify the waste in quantity above was received by me for shi certify that the designated waste(s) were received via the	pment to the designa	ated receivin	
Signatures				
Generator	- de de	CPermin 10	r	1-6-2014
Transporter	Jame Overage	Datue R	 _	Date
Facility	H Nich	S(A) Title	le _	110 14



Receiving Facility

Emisorania 4 Sah	ep Sources Fig.			Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest			
		328-365		009
Generator Info	n maatia m	(Project	No.)	(Load No.)
	Procesion Drilling	Contr	notii C	Christian Lavallee
	10350 Richmond Ave.	Phon		13-435-6100
	Houston,TX 77042		e. <u>/</u>	13-433-0100
•	Name: Quail State 16 No 3H	1 02	se No::	
•	Lea, NM Facility Type: G		36 140	
ooding/oldio.	Lou, two	23 FFCII		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
Chloride contamina	ated soil from drilling operations.			
		20	CY	
Transporter In	formation			
Transporter:	Blade	I.D. 1	No.: 4	096
•	1100 East Michigan Dr.	50.7	_	75-390-5004
	Hobbs, NM	Truck I		
-				
_	ility Information			
	Lealand	_ Pho	ne: <u>4</u>	05-236-4257
	180 US 62	Permit	No: _8	SWM131401
City/State:	Carlsbad, NM	_		
Certification	Statements			
Generator: The wa	aste(s) described above is not a hazardous waste pursuant t	o 40 CFR Part 26	1 and an	y applicable state or local
Transporter: I certif	upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipm	ent to the designa	ted recei	iving facility
Receiving Facility:	certify that the designated waste(s) were received via the c	lesignated transpo	orter.	
Signatures				
_	1 2/1			1
Generator	year files	prove se		6 Jan 14
	8 1 -	1816		nale
Transporter	NAIME PLUEIMON SI		/	1-6-14
		Title		Date



	N	lon-H	azardous	Waste	Manifes	ŧ
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Non-Hazardo	us waste manifest	Manifest No:	328-365	7-001	-010
			(Project I		(Load No.)
Generator Info	***************************************				
	Precision Drilling			ict: Chr	istian Lavallee
	10350 Richmond Ave.		Phone	e: <u>713</u>	-435-6100
•	Houston,TX 77042				
	Name. Quail State 16 No 3			se No.	
County/State:	Lea, NM	Facility Type: Ga	ıs Well		
Waste Informa	tion	·			
Description			Quantity	Unit	Waste Code
	ited soil from drilling operations		l, Les III	CY	Tradio Codo
	<u> </u>		20	CI	
Transporter In	formation			•	
Transporter:	Blade		I.D. N	lo.: 409	6
Address:	1100 East Michigan Dr		 Pho	ne: 575	-390-5004
City/State:	Hobbs, NM		Truck N	lo.	
Receiving Fac	ility Information				
Facility:	Lealand		Pho	ne: 405	-236-4257
Address:	180 US 62		•		M131401
City/State:	Carlsbad, NM				
regulations based (Transporter: I certif	Statements Iste(s) described above is not a haza Ipon process knowledge, and or ana by the waste in quantity above was re I certify that the designated waste(s)	lysis, and/or MSDS. ceived by me for shipme	ent to the designat	ed receiving	
Signatures	1 2/2		/		
Generator	Jun His	0	Dera to.		5 Jan 14
1 -	1		illey		DHG
Transporter	JAJAG (HEZADA		MEILEE THE		1-6-14 Date
Receiving Facility	D Gonzaliz		Title		Date



,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Manifest No:	328-365		- 011
Generator Inf	ormation		11 10/4001	,	(CDBC 40)
Generator:	Precision Drilling		Conta	act: C	hristian Lavallee
Address:	10350 Richmond Ave.			e: 7	13-435-6100
City/State:	Houston,TX 77042				
Property/Leas	e Name: Quail State 16 No 3H	l	Lea	se No.:	
County/State:	Lea, NM F	acility Type: _Ga			
Waste Inform	ation				
Description			Quantity	Unit	Waste Code
Chloride contamir	ated soil from drilling operations		20	CY	
Transporter I					
Transporter:					096
	1100 East Michigan Dr.				75-390-5004
City/State:	Hobbs, NM		Truck I	No	
Receiving Fa	cility Information				
Facility:	Lealand		Pho	one: 4	05-236-4257
Address:	180 US 62		_		WM131401
City/State:	Carlsbad, NM		_		
Generator: The v regulations based Transporter: I cer	Statements vaste(s) described above is not a hazard i upon process knowledge, and or analys tify the waste in quantity above was rece : I certify that the designated waste(s) w	sis, and/or MSDS. lived by me for shipme	ent to the designa	ated receiv	
Signatures			/		
Generator	Leven 1 tolos		Tale	<u> </u>	6 Jean 14
Transporter	Condrios Tru	With _	Title		/- 6-14/ Date
Receiving Facility			Title		Date



N	lon-l	Hazard	lous	Waste	Mani	fest
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Generator Information Generator: Precision Drilling Contact: Christian Lav Address: 10350 Richmond Ave. Phone: 713-435-610 City/State: Houston,TX 77042 Property/Lease Name: Quail State 16 No 3H Lease No.: County/State: Lea, NM Facility Type: Gas Well	(Load No.)
Generator: Precision Drilling Address: 10350 Richmond Ave. Phone: 713-435-610 City/State: Houston,TX 77042 Property/Lease Name: Quail State 16 No 3H County/State: Lea, NM Facility Type: Gas Well	allee
Address: 10350 Richmond Ave. Phone: 713-435-610 City/State: Houston,TX 77042 Property/Lease Name: Quail State 16 No 3H Lease No.: County/State: Lea, NM Facility Type: Gas Well	
City/State: Houston,TX 77042 Property/Lease Name: Quail State 16 No 3H Lease No.: County/State: Lea, NM Facility Type: Gas Well	-
County/State: Lea, NM Facility Type: Gas Well	
County/State: Lea, NM Facility Type: Gas Well	
I Mara L.C.	
Waste Information	
Description Quantity Unit Wast	e Code
Chloride contaminated soil from drilling operations.	
20 0	
Transporter Information	
Transporter: Blade I.D. No.: 4096	
Address: 1100 East Michigan Dr. Phone: 575-390-500	
City/State: Hobbs, NM Truck No.	
Receiving Facility Information	
Facility: Lealand Phone: 405-236-425	7
Address: 180 US 62 Permit No: SWM131401	
City/State: Carlsbad, NM	
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable stregulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.	ate or local
Signatures	1
Generator Jean 249 San Operator 65an	n /4
Transporter PONDEROSS Truck OPERAtor o 1-6	- 14 Ble
Receiving Facility File I Le	14



Non-Hazardous Waste Manifest

			Manifest No:	328-365 (Project		- <u>C) / 3</u>
Generator Info	rmation			ţi togoui	,	(LOBO NO)
Generator:	Precision I	Drilling		Conta	act: Ch	ristian Lavallee
		hmond Ave.				3-435-6100
City/State:						
Property/Lease	Name: C	Quail State 16 No 3H	ł	Lea	se No.:	
County/State:	Lea, N	<u>Л</u> F	acility Type: G			
Waste Informa	tion			_		
	111011				<u> </u>	
Description Chloride contamina	ated soil from o	rilling operations		Quantity	Unit	Waste Code
Onlonge Committee		ming operations.		20	CY	
-			<u> </u>			
Transporter Ir	formation					,
Transporter:	Blade			I.D. I	No.: 40	96
Address:	1100 East	Michigan Dr.		Pho	one: _57	5-390-5004
City/State:	Hobbs, NI	<i>N</i>		Truck I	No	
Receiving Fac	ility Inform	ation				
Facility:	Lealand			Pho	one: 40	5-236-4257
Address:	180 US 62	2		_		VM131401
City/State:	Carlsbad,			_		
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.						
Signatures		0/1/-		,		ss /
Generator	Year	1100	· <u>0</u>	Perato	· ·	Out Date
Transporter	JAIM	E VUELA!	OA	Title		1-6-14
Receiving Facility	16	onzalez		Title		1-10-14



Non-Hazard	ous Waste Manifest			a. sa., 1
	Manifes	t No: 328-365		- O/G
Generator Inf	formation	(, , , , ,		11.084.110
Generator:	Precision Drilling	Cont	act: Chr	istian Lavallee
	10350 Richmond Ave.			-435-6100
	Houston,TX 77042	·		
Property/Leas	e Name: Quail State 16 No 3H		se No.	
County/State:	Lea, NM Facility Type		-	
107-0-1-5-				
Waste Inform	lation			
Description		Quantity	Unit	Waste Code
Chloride contami	nated soil from drilling operations.		CY	
		20	<u> </u>	
		· · · · · · · · · · · · · · · · · · ·		
Transporter I	nformation			
Transporter:	Blade	I.D.	No.: 409	6
Address:	1100 East Michigan Dr.			-390-5004
	Hobbs, NM			
B =				
_	cility Information			
Facility:	Lealand	Pho	one: 405	-236-4257
Address:		Permit	No: SW	M131401
City/State:	Carlsbad, NM			
Generator: The viregulations based Transporter: I cen	Statements vaste(s) described above is not a hazardous waste pure d upon process knowledge, and or analysis, and/or MSD tify the waste in quantity above was received by me for to certify that the designated waste(s) were received via	DS. shipment to the design:	ated receiving	
Signatures	1 5/16	5		, /
Generator	100m -15	A 1 106		o Jan 14
	1	e/ Titile		Date
Transporter	Aug Oceans	DRILL-R		1-6-14 Data
Deschie		rug		1 / 1
Receiving Facility	1) Contalez	· _=		1-6-14



Non-Hazardo	us waste Manifest Ma	anifest No:			-015		
Generator Info	rmation		(Project	No)	(Load No.)		
	Precision Drilling		Conta	act: Cl	hristian Lavallee		
	10350 Dishmond Ave		Dhan		13-435-6100		
	Houston,TX 77042	"		· <u> </u>	10 400-0100		
•	Name: Quail State 16 No 3H		l eas	se No.:			
		Type: Ga					
		- / p					
Waste Informa	ition						
Description			Quantity	Unit	Waste Code		
Chloride contamina	ited soil from drilling operations.	-		CY			
			20	01			
Transporter In	formation				<u></u>		
Transporter:	Blade		1.D. f	No.: 40	096		
Address:	1100 East Michigan Dr.		Pho	ne: 5	75-390-5004		
City/State:	Hobbs, NM		Truck f	No			
Receiving Fac	ility Information						
Facility:	Lealand		Pho	ne: 40	05-236-4257		
Address:	180 US 62		-	_	WM131401		
City/State:	Carlsbad, NM		- -				
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: 1 certify that the designated waste(s) were received via the designated transporter.							
Signatures	1 0/1/		/	,			
Generator	Jean off E	<u>c</u>	15)-15-a fee		Co Jean 14		
Transporter	Ponderosa True	king 1)r I V-W Title	TA .	1-6-14 Date		
Receiving Facility			Title		Date		



Non-Hazardous Waste Manifest

			Manifest No	:3	28-365 (Project		1	- O/A
Generator Info	rmation				letolect	110.1		(LOSQ NO)
Generator:	Precisio	on Drilling			Conta	act:	Chris	stian Lavallee
		Richmond Ave.			Phon	-	_	435-6100
City/State:						_		
5.07		Quail State 16 No 3	H		Lea	se No),:	
County/State:			Facility Type: 0	Bas Well				
101-4-1-6-			277					
Waste Informa	ation							
Description				Qua	ntity	Un	it	Waste Code
Chloride contamina	ated soil fro	m drilling operations.				C	/	
				+			\dashv	
								<u> </u>
							\dashv	
<u> </u>						1		
Transporter In	formatio	on						
Transporter:	Blade				I.D. I	No:: _	4096	3
Address:	_1100 E	ast Michigan Dr.			Pho	one: _	575-	390-5004
City/State:	Hobbs,	NM			Truck I	No		<u></u>
Receiving Fac	ility Info	rmation						
Facility:	Lealand	1			Pho	one:	405-	236-4257
Address:	180 US			_		-		M131401
City/State:	Carlsba					_		
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.								
Signatures					3.22			2
Generator	- 3	?	1.5	val Er	n -a	C.	ć	Some 14
~_		r		13	Trile			Date
Transporter	Po	NDEROS	4 touck	che	o Fe	r	1	-6-14
	\mathcal{O}	()			I 1138		-	Date /
Receiving Facility	<u>)</u> -	Jonzalez	=		Title			1-1-14



IVVII-LIGEOLUUUS TVASUE MIAILIIGSI	Non-Hazardou	is Waste	Manifest
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			Manifest	No:	328-365 (Project		1	- 017
Generator info	ormation				(,		(Edda Ha)
Generator:	Precisio	n Drilling			Cont	act:	Chr	istian Lavallee
Address:	10350 F	Richmond Ave.			Phor	•		1-435-6100
City/State:	Houston	n,TX 77042			•	-		
Property/Lease	Name:	Quail State 1	6 No 3H		Lea	ise No	0.:	
County/State:	Lea,	NM	Facility Type:	Gas W			-	
Waste Informa	ation							
Description					uantity	Un	,it	Waste Code
Chloride contamina	ated soil fro	m drilling operation	ns					vvaste Code
						C,	Υ	
		<u></u>						
					8			
						<u> </u>		
Transporter in	nformatio	n						
Transporter:	Blade		·		I.D.	No.:	409	06
Address:	1100 E	ast <mark>Mic</mark> higan D	L.		Pho	one:	575	-390-5004
City/State:	Hobbs,				Truck	No.		
Receiving Fac	ility Info	rmation						
	Lealand				Pho	nne.	405	5-236-4257
Address:	180 US	62				-		M131401
City/State:	Carlsba			-	1 Cillin	140.	011	14131401
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.								
Signatures	Ď	/						
Generator	J.e.	4 A		Chall	or for		-	Jeny 14
Transporter	JA	ME QU	EZADA 52	D	PIVE.	<u>n</u>	1-	7 - 1 4
Receiving Facility	M	ntor G	Onzaliz		Title			1-7-14



ETTA OTTOTAL B SAN	ку элемпен, тк			Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest			
	Manifest No:	328-365 (Project		-018
Generator Info	ormation	(Project	140)	(LOBO NO)
	Precision Orilling	Cont	act: Chi	ristian Lavallee
	10350 Pichmond Ave	— Phor		3-435-6100
	Houston,TX 77042		. <u> </u>	7 400 0100
•	Name: Quail State 16 No 3H	 lea	se No	
	Lea, NM Facility Type: Ga			
	1 0 0 0 0 0		· · · · · · · · · · · · · · · · · · ·	
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations.			
			CY	
1				
-				
Transporter In				
Transporter:		_	No.: 409	
	1100 East Michigan Dr.			5-390-5004
City/State:	Hobbs, NM	Truck	No	
Receiving Fac	cility Information			
	Lealand	Pho	nne: 404	5-236-4257
•	180 US 62	•		/M131401
City/State:	Carlsbad, NM		140	111111111111111111111111111111111111111
,		•		
Certification				
regulations based	aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS.		_	
Transporter: I certi Receiving Facility:	fy the waste in quantity above was received by me for shipme I certify that the designated waste(s) were received via the de	nt to the designa	ated receiving	ig facility.
196	Toolary that the bookstate waste(s) were received the me de	saignated transp	orter	
Signatures	11			
Generator	1	18		7 Jan 14
Cenerator	1	Title		Date
'_	1 A			
Transporter	where liverson	1-7-14	Dewel -	F7-14
	1 1/2 1	Title		Date /
Receiving	1) I DIRRIVER			1-7-14
Facility		Title		Date



				Fax: 432-563-2213
Non-Hazardo	us Waste Manifest			
	Manifest No:	328-365		019
Generator Info	um ation	(Project	No)	(Load No.)
		Contr		adation I accepts a
	Precision Drilling 10350 Richmond Ave.	·· -		nristian Lavallee
		Phon	e: <u>/1</u>	3-435-6100
	Houston,TX 77042			
	Name: Quail State 16 No 3H		se No.:	
County/State:	Lea, NM Facility Type: Ga	as vveii		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations			
			CY	
	.			
Transporter In	iformation			
Transporter:	Blade	ID N	No.: 40	196
•	1100 East Michigan Dr.	20 00		5-390-5004
City/State:	Hobbs, NM			0-000-0004
.,,				
Receiving Fac	ility Information			
Facility:	Lealand	Pho	ne: 40	5-236-4257
Address:	180 US 62	-		VM131401
City/State:	Carlsbad, NM	-		
regulations based : Transporter: I certif	Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipme I certify that the designated waste(s) were received via the de	ent to the desiona	ted receivi	
Signatures				,
Generator	Jean 746	Derato		7. Jen 14
Transporter	Hampudo Sous	DRIVET		01 07 14 Date
Receiving Facility	y Gonzalez	Tille		1-7-14



Signatures

Generator

Transporter

Receiving Facility

Address: 10350 Richmond Ave. Phone: 713-435-6100 City/State: Houston,TX 77042 Property/Lease Name: Quail State 16 No 3H Lease No. County/State: Lea, NM Facility Type: Gas Well Waste Information Chloride contaminated soil from drilling operations. CY Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401	Non-Hazardo	ous Waste Manifest			
Generator Information Generator: Precision Drilling Contact: Christian Lavallee Address: 10350 Richmond Ave. Phone: 713-435-6100 City/State: Houston,TX 77042 Property/Lease Name: Quall State 16 No 3H Lease No.: County/State: Lea, NM Facility Type: Gas Well Waste Information Description Quantity Unit Waste Code Chloride contaminated soil from drilling operations. CY Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 Certification Statements		Manifest No:			-020
Contact: Christian Lavallee Phone: 713-435-6100	Generator Info	armation	(Project	NO.)	(Load No)
Address: 10350 Richmond Ave.		Dracinian Orillina	Conta	act: Chi	ristian Lavallee
City/State: Houston,TX 77042 Property/Lease Name: Quail State 16 No 3H	Address:				
Property/Lease Name: Quail State 16 No 3H Lease No. County/State: Lea, NM Facility Type: Gas Well Waste Information Description Quantity Unit Waste Code Chloride contaminated soil from drilling operations. Cry Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 Certification Statements	City/State:				
County/State: Lea, NM Facility Type: Gas Well Waste Information Description Quantity Unit Waste Code Chloride contaminated soil from drilling operations. CY Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 Certification Statements	•	Name: Quail State 16 No 3H	Lea:	se No.:	
Chloride contaminated soil from drilling operations. CY Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	County/State:	Lea, NM Facility Type: G			-
Chloride contaminated soil from drilling operations. CY Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	104 4 1 6				
Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	Waste Informa	ition			
CY	Description		Quantity	Unit	Waste Code
Transporter Information Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM	Chloride contamina	ated soil from drilling operations.		CY	
Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements					
Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements					
Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements			+		
Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements					
Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements				-	
Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements			İ		
Transporter: Blade I.D. No.: 4096 Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements					
Address: 1100 East Michigan Dr. Phone: 575-390-5004 City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	_				
City/State: Hobbs, NM Truck No. Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	•				
Receiving Facility Information Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements				-	
Facility: Lealand Phone: 405-236-4257 Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	City/State:	HODDS, NM	Truck I	No	
Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	Receiving Fac	ility Information			
Address: 180 US 62 Permit No: SWM131401 City/State: Carlsbad, NM Certification Statements	Facility:	Lealand	Pho	one: 405	5-236-4257
Certification Statements	Address:		 Permit	No: SV	/M131401
	City/State:	Carisbad, NM	_		
	0-46-4	Chahamana			
			to 40 CFR Part 26	1 and anv a	policable state or local
regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility.	regulations based	upon process knowledge, and or analysis, and/or MSDS.		_	
Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.	Receiving Facility:	certify that the designated waste(s) were received via the	designated transpo	orter.	ig racinty.



NOII-MAZAFOOUS WASIE MAIIIIES	n-Hazardous Waste Ma	nifes
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11011-11020100	as waste maintest	Manifest N	lo:	328-365		- 02/ (Losed No.)
Generator Info	ormation			(, , 4]44	,	1.55
Generator:	Precision Drilling			Cont	act: C	Christian Lavallee
	10350 Richmond Ave.			- Phon	ie: 7	13-435-6100
City/State:	Houston,TX 77042			-		
Property/Lease	Name: Quail State 16 No	3H		_ _ Lea	se No.:).
County/State:	Lea, NM	Facility Type:	Gas W	-		
Waste Informa	ation			<u></u>		
Description			a	uantity	Unit	Waste Code
Chloride contamin	ated soil from drilling operations.				CY	
Transporter Ir	nformation				<u> </u>	
Transporter:	Blade			I.D.	No.: 4	1096
Address:	1100 East Michigan Dr.		-		_	575-390-5004
City/State:					-	
Receiving Fac	cility Information	1				
	Lealand			Pho	one 4	105-236-4257
•	180 US 62				_	SWM131401
City/State:	Carlsbad, NM					
regulations based Transporter: I cert	Statements aste(s) described above is not a ha upon process knowledge, and or ar ify the waste in quantity above was I certify that the designated waste(nalysis, and/or MSDS received by me for sh	ipment to	the designa	ated recei	
Signatures	1 0/1				/	/
Generator	Jeon His L		cip.	Title To	<u> </u>	Ton 14
Transporter	Aug Overwick		Dei	Title		/_ y \delta
Receiving Facility	1 Gontalez	<u> </u>		Title		1-7-14 Date



Non-Hazardo	ous Waste Manifest			
	Manifest No	328-365 (Project		<u>O22</u>
Generator Info	rmation	(Рюјеск	NO)	(Load No.)
	Mb 1 1 Mb 11/1	Contr	antii Ch	ristian Lavallee
	Precision Drilling 10350 Richmond Ave.		_	3-435-6100
			e. <u>71</u>	3-433-0100
-	Houston,TX 77042		oo Mo	
	Name: Quail State 16 No 3H		SE 140	
County/State.	Lea, NM Facility Type: _(Jas yveli		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
Chloride contamina	ated soil from drilling operations.		0.1/	
			CY	
				<u> </u>
		ŀ		
<u> </u>		1		.]
Transporter Ir	nformation			
Transporter:	Blade	I.D.	No. 40)96
Address:	1100 East Michigan Dr.	Pho	one: 57	75-390-5004
City/State:	Hobbs, NM	Truck	No.	
Pacaivina Esc	cility Information			
	•	D :		
•	Lealand			05-236-4257
	180 US 62	_ Permit	NO _ S	WM131401
City/State:	Carlsbad, NM			
Certification	Statements			
	raste(s) described above is not a hazardous waste pursuan	t to 40 CFR Part 26	1 and any	applicable state or local
Transporter: I cert	upon process knowledge, and or analysis, and/or MSDS. ify the waste in quantity above was received by me for ship			ring facility.
Receiving Facility:	I certify that the designated waste(s) were received via the	designated transp	orter.	
Signatures				
_	1 2/0 (-	•		
Generator	yeon The o	Title Title	1	1 Jan 14
_	£ 0	, , , , ,		,
Transporter	NOTTE WEETHON	DELLIER		1-7-14
	CA IT	Title		Date
Receiving	Sept. Hill De	- 1 -	1	1-7-12
Facility	1 Liniusres	Taleman	5+21	1 1-14-



EINHOOMMIN & SAL	Prly Sulutions. Art				Fax 432-563-2213
Non-Hazardo	ous Waste Manifest				/
		Manifest No:	328-365 (Project		- ' <u>023</u>
Generator Info	ormation		(Figori	NO /	(1000 140)
Generator.	Precision Drilling		Conta	act Ch	ristian Lavallee
	10350 Richmond Ave.				3-435-6100
	Houston,TX 77042				
-	e Name Quail State 16 No 3	3H	 Lea	se No :	
	Lea, NM	Facility Type: Ga			
Waste Inform	ation				
Description			Quantity	Unit	Waste Code
	ated soil from drilling operations				
				CY	
			<u> </u>		
Transporter le	nformation				
Transporter:			I D I	No. 40	196
Address.			_		5-390-5004
City/State:	Hobbs, NM		Truck	_	0 000 0004
Ollyroldio.	110000, 14111				
Receiving Fa	cility Information				
Facility:	Lealand		Pho	опе: 40	5-236-4257
Address:	180 US 62		Permit	No: SV	VM131401
City/State:	Carlsbad, NM		•		
Generator: The viregulations based Transporter; I cert	Statements vaste(s) described above is not a haza l upon process knowledge, and or ana tify the waste in quantity above was re : I certify that the designated waste(s)	llysis, and/or MSDS, ceived by me for shipme	nt to the designa	ated receiving	- 1
Signatures	0 -/-				/
Generator	Leon HE	5	pera to	-	7 Jan 14
C	Λ		Title		Date
Transporter	FRMANDO S	ous I	RIVET	2_	0107 14
Receiving Facility	J. Gonzaliz		Tibe		1-7-14



Facility

P.O. Box 8469 Midland, TX 79708 Tel: 432-563-2200

Environmental & Safe	rry Solutions, Inc				Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest	Manifest No:			-024
Generator Info	ormation		Project	NO)	(Load No.)
	Precision Drilling		Conta	act: Chri	istian Lavallee
	10350 Richmond Ave.		— Phon		-435-6100
	Houston,TX 77042		1 11011	o. <u>110</u>	400 0100
•	Name: Quail State 10	S No 3H	 ea	se No.	ă,
• •		Facility Type: _Ga			
Waste Informa	ation				
Description			Quantity	Unit	Waste Code
	ated soil from drilling operation	S.			
				CY	
					
Transporter Ir	nformation				
Transporter:	Blade		1.D. 1	No.: 409	6
Address:	1100 East Michigan D	12	— Pho	ne: 575	-390-5004
City/State:	Hobbs, NM				
Receiving Fac	cility Information			-	
	Lealand		Dhe	no 405	-236-4257
Address:	180 US 62		-		M131401
City/State:	Carlsbad, NM	<u> </u>		344	101131401
Certification Generator: The w regulations based Transporter: I cert	Statements aste(s) described above is not upon process knowledge, and ify the waste in quantity above	a hazardous waste pursuant to or analysis, and/or MSDS. was received by me for shipme aste(s) were received via the di	ent to the designa	ited receiving	
Signatures			,		
Generator	Leon A	2	perator		Jan 14 Date
Transporter	PONDERO	SG TOURK B	hofer		1- 2-2014
Receiving Facility	1 G'On	7. altz_			1-7-14



Environment & Sal	Pty Solutions, fro.			Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest			
	Manifest No	328-365		-025
Generator Info	ormation	(Project	no.j	(LOSG NO.)
Generator:	Precision Drilling	Cont	act: Chr	istian Lavailee
	10350 Richmond Ave.			-435-6100
	Houston,TX 77042		· · · · · ·	-400-0100
•	Name: Quail State 16 No 3H	 ea	se No	
	Lea, NM Facility Type:		_	
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations			
		20	CY	
<u> </u>				
Transporter In	oformation.			
•				
Transporter:			No.: 409	
	1100 East Michigan Dr.			-390-5004
City/State:	Hobbs, NM	I ruck I	NO	
Receiving Fac	cility Information			
Facility:	Lealand	Pho	ne: 405	-236-4257
Address:	180 US 62	_		M131401
City/State:	Carlsbad, NM			
•		_		
Certification	Statements aste(s) described above is not a hazardous waste pursuant	40 CED Day 00	4	
regulations based	upon process knowledge, and or analysis, and/or MSDS.			
Transporter: I certi Receiving Facility:	ify the waste in quantity above was received by me for ship i certify that the designated waste(s) were received via the	ment to the designa designated transpo	ited receiving	g facility.
	,,	and and the spec	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Signatures				
Generator	Jell So	_Opera	tor	1-7-2016
		Title		Date
	. P. A)		1
Transporter	MINE WASTUDE	INVER		1-7-R
		7 TIG9		Date
Receiving) (70nx (1/2			1-7-14
Facility		Tello		- Paris



Non-Hazardo	ous Waste Manifest Manifest No:	328-365		ZÓ
Generator info		(Project	No.)	(Load No.)
	Procision Drilling	Cont	not: Chi	ristian Lavallee
	 			3-435-6100
	Houston,TX 77042		e. <u>_/13</u>	1-435-6100
*	e Name: Quail State 16 No 3H		so No :	
	Lea, NM Facility Type: G		SE NO	
County/Clate.	Lea, No.	as vvcii		
Waste Inform	ation			
Description		Quantity	Unit	Waste Code
Chloride contamin	ated soil from drilling operations.	20	CY	
Transporter In Transporter: Address:	nformation Blade 1100 East Michigan Dr		No.: 409	96 5-390-5004
	Hobbs, NM		No. —	
Receiving Fac	cility Information		VR	
Facility:	Lealand	_ Pho	one: 405	5-236-4257
Address:	180 US 62	Permit	No: SW	/M131401
City/State:	Carlsbad, NM	_		
Generator: The w regulations based Transporter: I cert	Statements (aste(s) described above is not a hazardous waste pursuant of upon process knowledge, and or analysis, and/or MSDS. (ify the waste in quantity above was received by me for shipmed to be considered to the constant of the constan	nent to the designa	nted receivin	
Signatures				
Generator	- all sil-se	Tille	tal	1 - 7 - 14
Transporter	Auc Oceansk	Dr.yes		1-7-14 Date
Receiving Facility	3 Gonzalez	Title		1-7-14 Date



Facility

	(1)			Fax. 432-503-2213
Non-Hazard	ous Waste Manifest			2
	Manifest No:			
Generator Inf	iormation	(Project	No.)	(Load No)
Generator:	Procision Drilling	Cont	not: Chr	istian Lavellos
Address:	· · · · · · · · · · · · · · · · · · ·			istian Lavallee
	10350 Richmond Ave.	Phor	ie: <u>713</u>	-435-6100
•	Houston,TX 77042		a a Nia i	
	e Name: Quail State 16 No 3H		se No.:	
County/State:	Lea, NM Facility Type: Ga	is vveii	-	
Waste Inform	ation			
Description		Quantity	Unit	Waste Code
	nated soil from drilling operations.			Waste Code
	•	20	CY	
·				
				
_				
Transporter I	nformation			
Transporter:			No.: 409	6
Address:	1100 East Michigan Dr.	Pho	one: 575	-390-5004
City/State:	Hobbs, NM	Truck	No	
Bessiving Es	allia, Information			
_	cility Information			
Facility:	Lealand	599		-236-4257
Address:	180 US 62	Permit	No: SW	M131401
City/State:	Carlsbad, NM			
Generator: The viregulations based Transporter: I cert	n Statements waste(s) described above is not a hazardous waste pursuant to d upon process knowledge, and or analysis, and/or MSDS, tify the waste in quantity above was received by me for shipme r: I certify that the designated waste(s) were received via the de-	ent to the design:	ated receiving	
Signatures				
•	Lette One			. **
Generator		Opera.	tor_	1-7-201
	Λ	Title		Date
Transporter	/ Same	Diane	D.	01-07-70
	O O	Title	16	01-07-20 Date
Receiving Facility	S'GENZAliz			107-201



Facility

	***				1 311 102 000 2210		
Non-Hazardo	ous Waste Manifest	Na.	200 200	7 004	20		
	Manifest I	NO: _	328-365 (Project		(Load No.)		
Generator Info	rmation						
Generator:	Precision Drilling	Contact: Christian Lavallee					
Address:	10350 Richmond Ave.		Phon	e: 713	3-435-6100		
City/State:	Houston,TX 77042		'				
	Name: Quail State 16 No 3H		— Lea:	se No.:			
County/State:	Lea, NM Facility Type:	Gas	s Well				
Waste Informa	ition						
Description			Quantity	Unit	Waste Code		
Chloride contamina	ated soil from drilling operations.		20	CY			
			20	CY			
<u></u>							
			<u> </u>				
Transporter In	formation						
•	Blade		10.4		ne.		
•	1100 East Michigan Dr.		-	No.: 409			
	Hobbs, NM		_		-390-5004		
City/State.	HODDS, NIM		Truck i	NO			
Receiving Fac	ility Information						
Facility:	Lealand		Pho	ne: 405	5-236-4257		
Address:	180 US 62	_			M131401		
City/State:	Carlsbad, NM						
Transporter: i certif	Statements aste(s) described above is not a hazardous waste pursua upon process knowledge, and or analysis, and/or MSDS by the waste in quantity above was received by me for sh I certify that the designated waste(s) were received via the	iomen	nt to the designa	ted receivin			
Signatures	\https://www.						
Generator	1 elf Osl		DP@/c	+0/	1-7-20 M		
Transporter	PONDEROSA Truck	4	ho Fer		1.7.2014		
Receiving Facility	S.Gonzalez				1-7-2014		



Non-Hazardo	ous Waste Manifest			29	
	Manifest No:				
Generator Info	armatian	(Project	No.)	(Load No.)	
	5 11 5 20	Conts	od: Ch	ristian Lavallee	
	10350 Richmond Ave.			3-435-6100	
	Houston,TX 77042		C	3-433-0100	
- 32	Name: Quail State 16 No 3H	——————————————————————————————————————	se No		
	Lea, NM Facility Type: Ga				
Waste Informa	ation				
Description		Quantity	Unit	Waste Code	
	ated soil from drilling operations.	2.0	CY		
		20	Ci		
Transporter in	nformation				
Transporter:	B:ade	I.D. N	No.: 40	96	
Address:	1100 East Michigan Dr.	Pho	ne: <u>57</u>	5-390-5004	
City/State:	Hobbs, NM	Truck I	No		
Receiving Fac	cility Information				
Facility:	Lealand	Pho	ne: 40	5-236-4257	
•	180 US 62	_		VM131401	
City/State:	Carlsbad, NM	-			
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.					
Signatures	1 0/1	. ,	/ _	6 - /	
Generator	Leon 1/60,50 c	spera 7	OV	10 Jan 14	
	1	1108		- Data	
Transporter	1- PINGNOO SOUS)	DRIVER		01 08 14 Date	
Receiving Facility	S GONZALIZ	<u> </u>		1-8-14	



Non-Hazardo	ous Waste Manifest			2 -		
	Manifest No:	328-365 (Project		- SC)		
Generator Info	ormation	(i idea)		(Come 140)		
Generator:	Precision Drilling	Conta	ect: Chr	istian Lavallee		
	10350 Richmond Ave.			-435-6100		
	Houston,TX 77042					
Property/Lease	Name: Quail State 16 No 3H	Leas	se No.:			
	Lea, NM Facility Type: _G					
Manage Indonesia	AZ					
Waste Informa	ation					
Description		Quantity	Unit	Waste Code		
Chloride contamina	ated soil from drilling operations.		CY			
		+				
		 		<u> </u>		
Transporter Ir	nformation					
Transporter:			No.: 409			
	1100 East Michigan Dr.			-390-5004		
City/State:	Hobbs, NM	Truck l	No			
Receiving Fac	cility Information					
Facility [.]	Lealand	_ Pho	ne: 405	5-236-4257		
Address:	180 US 62	Permit	No. SW	/M131401		
City/State:	Carlsbad, NM	_				
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.						
Signatures	1 2/0/	1		1		
Generator	Jenn Ht	Dern-los		7 Jan 14		
Transporter	Mus (Bream)	Dewen		1-7-14		
		Title		Date		
Receiving Facility	Jantos Gonzalez	F.94-		1-7-14		



Non-Hazard	ous Waste Manifest	200 000	7 004	>/
	Manifest No:	328-365 (Project		- Coad No.)
Generator Inf	formation			
Generator:	Precision Drilling	Conta	act: Ch	ristian Lavallee
	10350 Richmond Ave.		e: 71	3-435-6100
City/State:	Houston,TX 77042			
	e Name: Quail State 16 No 3H	 Lea	se No.:	
County/State:	Lea, NM Facility Type: Ga			
Waste Inform	nation			
		Quantity	Unit	Waste Code
Description Chloride contami	nated soil from drilling operations.	Quantity	Onit	Waste Code
			CY	
				1
			1	
	11 28 12 13 13 13 13			
		L		
Transporter	Information			
Transporter:	<u> </u>	I.D. I	No.: <u>40</u>	96
Address:	1100 East Michigan Dr.	Pho	one: <u>57</u>	5-390-5004
City/State:	Hobbs, NM	Truck	No	
Receiving Fa	icility Information			
Facility:	Lealand	Pho	one: 40	5-236-4257
Address:	180 US 62	-		VM131401
City/State:	Carlsbad, NM			
Certification Generator: The regulations base Transporter: I ce	n Statements waste(s) described above is not a hazardous waste pursuant to d upon process knowledge, and or analysis, and/or MSDS. rtify the waste in quantity above was received by me for shipm y: I certify that the designated waste(s) were received via the designated.	ent to the design:	ated receivi	
Signatures	0 0/1	1		
Generator	Tean 119 50 0	De14-101		7 Jan 14
		Title		Date
Transporter	PROVDEROUS HOURS	ChaFa	<i>-</i>	1 7.20
, and portor	- Alleria -	Title		Date
Receiving	Al Hilling C	Prole N	1, 6,01	1-7-14
Facility \		- U A 13 - 1 - 1	التلاسية	The second secon



Non-Hazardo	ous Waste Manifest			30
	Manifest No:	328-3657 (Project N		- Unid No.
Generator Info	ormation	(riojeci)		(coad iso)
	Precision Drilling	Conta	ct (Christian Lavallee
	10350 Richmond Ave.		_	713-435-6100
	Houston,TX 77042		· <u>-</u>	10.400-0100
•	e Name: Quail State 16 No 3H		e No	:
	Lea, NM Facility Type: Ga)C 140.	
County/State.	Lea, Nivi	23 11011		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
Chloride contemin	ated soil from drilling operations.			
			CY	
		-		
Transporter I				
Transporter:			40,: <u> </u>	
Address:	1100 East Michigan Dr.		_	575-390-5004
City/State:	Hobbs, NM	Truck N	No.	
Receiving Fa	cility Information			
	•	Dha		406 006 4067
Facility:	Lealand	-	_	405-236-4257
Address:	180 US 62	_ Permit	NO: _	SWM131401
City/State:	Carlsbad, NM	-		
Certification	n Statements			
Generator: The v	vaste(s) described above is not a hazardous waste pursuant to	o 40 CFR Part 26	1 and a	ny applicable state or local
	f upon process knowledge, and or analysis, and/or MSDS. tify the waste in quantity above was received by me for shipm:	ent to the designa	ted rece	siving facility.
	: I certify that the designated waste(s) were received via the d			•
Signatures	,			
STREET,	3 / 2			
Signatures	1 0/1			
Generator	Leen 2/5 c	perator		7 Jens 14
	Leen Horse	pera for		7 Jens 14
Generator	Jean House C	pera for		7 Jens 14
	JAME WEEDON SA	pera for Title		7 Jenn 4 Date 1-7-14 Date
Generator	JOINE WEZADA SA	Der a for Title		7 Jens 14 Date 1-7-14 Date

Title

Date



Non-Hazardo	us Waste Manifest			7 17		
	Manifest No:	328-365		<u>33</u>		
Generator Info	ermation	(i rojour.	*0.7	(2000 110.)		
Generator:	Precision Drilling	Conta	act: Ch	ristian Lavallee		
Address:	10350 Richmond Ave.	—– Phone		3-435-6100		
City/State:	Houston,TX 77042					
- 02	ase Name: Quail State 16 No 3H Lease No.:					
•	Lea, NM Facility Type: _Ga					
Waste informa	tion		.			
	ition					
Description Chloride contents	ated soil from drilling operations.	Quantity	Unit	Waste Code		
Chloride contamina	ated son from diffing operations.	20	CY			
		150				
]]		
Transporter In	formation					
Transporter:	Blade	I.D. N	No.: 40	96		
Address:	1100 East Michigan Dr.	Pho	ne: <u>57</u>	75-390-5004		
City/State:	Hobbs, NM	Truck h	No			
Receiving Fac	cility Information					
Facility:	Lealand	Pho	ne: 40)5-236-4257		
Address:	180 US 62	Permit	No: S	WM131401		
City/State:	Carlsbad, NM					
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 251 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.						
Signatures	_					
Generator	1 ely O sh	Spery.	Lar	1-8-14		
Transporter	James Overana de	Delven		1-8-14		
Receiving Facility	S. Gonzaliz	ř (Jd)	<u></u>	1-8-14		



Date

Non-Hazardo	ous Waste Manifest			31
	Manifest No:	328-365 (Project		(Load No.)
Generator Info	ermation	(r rojoca	140.1	(LUGUITY)
	Precision Drilling	Cont	act: Chi	ristian Lavallee
	10350 Richmond Ave.			3-435-6100
	Houston,TX 77042		110	3-400-0100
Property/Lease Name: Quail State 16 No 3H Lease No.:				
	Lea, NM Facility Type: Ga			·
County/Clate.	Lea, 14141 Type. Of	as vecil	-	
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations.	Wuditity		Waste Code
	• .	20	CY	
		<i>x</i> -		
		1		
	<u> </u>		 	
				
Transporter Ir	nformation			
Transporter	Blade	I.D.	No.: 40	96
Address:	1100 East Michigan Dr	Pho	one: <u>57</u>	5-390-5004
City/State:	Hobbs, NM	Truck	No.	
Danaidae Fac	2826 - A-F			
_	cility Information			
•	Lealand	_		5-236-4257
	180 US 62	_ Permit	No: SV	VM131401
City/State:	Carlsbad, NM	_		
Certification	Statements			
Generator: The w	aste(s) described above is not a hazardous waste pursuant t	o 40 CFR Part 26	31 and any a	applicable state or local
	upon process knowledge, and or analysis, and/or MSDS, ify the waste in quantity above was received by me for shipm	ent to the design	ated receivi	na facility
	I certify that the designated waste(s) were received via the d			3,
Signatures	, /			
Oignatures	1 0/1 -			,
Generator	Jein 49 5 C	perator		5 Jon 14
//	_	Title		Date
Transporter	1/1/10/1/11		1 -	t - 14
Transporter	AHIME MIGHTER)4	Title	<u> </u>	Date
Daneil dan	Valor I la A			. 0 11
Receiving Facility	Junios Coloradez	Title		1- 8-14



Non-Hazard	ous Waste Manifest	Manifest No.			- 35
Generator Inf	formation		Project	NO.)	(Load No.)
	Bracines Drilling		Cont	act: Ch	ristian Lavallee
	10350 Richmond Ave.				3-435-6100
	Houston,TX 77042				
-	e Name: Quail State 16 No	3H	—— Lea	se No.:	
	Lea, NM				
Waste Inform	eation		ī	1	
Description			Quantity	Unit	Waste Code
Chloride contami	nated soil from drilling operations		20	CY	
Transporter:			10.	No.: 40	96
	1100 East Michigan Dr				5-390-5004
City/State:	Hobbs, NM				
-	- Ilià de la fermation		_		
	icility Information		Di-		- 000 4057
Facility:					5-236-4257
Address: City/State:	180 US 62 Carlsbad, NM		_ Permit	NO: SV	VM131401
Generator: The regulations base Transporter: I ce	n Statements waste(s) described above is not a ha d upon process knowledge, and or ai rtify the waste in quantity above was y: I certify that the designated waste(zardous waste pursuant t natysis, and/or MSDS. received by me for shipm	ent to the design	ated receivi	
Generator	fron Hill	c	percetor		8 Jan / 1
Transporter	YON DEROSA	truck	Cho Fe	r	1- 8-20
Receiving Facility	Santa Gor	*alit			1-8-14



Non-Hazardo	ous Waste Manifest				
	Manifest N	lo3	28-3657 (Project N		<u>36</u>
Generator Info	ormation		(r topace re	.,	(coso No)
Generator:	Precision Drilling		Conta	ct: Chr	istian Lavallee
Address:	10350 Richmond Ave.		Phone		-435-6100
City/State:	Housen,TX 77042				
Property/Lease	Name: Quail State 16 No 3H		Leas	e No	
County/State:	Lea, NM Facility Type:	Gas Well			
Waste Inform	ation	-			
Description		Qua	ntity	Unit	Waste Code
	ated soil from drilling operations	20	>	CY	
	E.				
	-35				
Transporter I	nformation				
Transporter:	Blade		I.D. N	o.: 409	16
Address:	1100 East Michigan Dr.		Phor	ne: <u>575</u>	5-390-5004
City/State:	Hobbs, NM		Truck N	lo	
Receiving Fa	cility Information				
Facility:	Lealand		Phor	ne 405	5-236-4257
Address:	180 US 62	_			/M131401
City/State:	Carlsbad, NM				
Generator: The viregulations based Transporter: I cert	Statements raste(s) described above is not a hazardous waste pursua upon process knowledge, and or analysis, and/or MSDS. ify the waste in quantity above was received by me for shi I heartify that the designated waste(s) were received via the	ipment to the	designate	ed receivin	
Signatures	1 0/1		n'		,
Generator	Jean HO	oper.	Title		S Jan 14
Transporter	Jame abernack	DRIVE	Tule		/
Receiving Facility	S. Gonzalez		Title		1814



Date

Non-Hazardo	ous Waste Manifest	Manifest No:	328-3657-	001	27
		Marillest No.	(Project No		(Load No.)
Generator Info	ormation				
Generator:	Precision Drilling		Contact	: Chri	stian Lavallee
Address:	10350 Richmond Ave.		Phone:	713	-435-6100
City/State.	Houston,TX 77042				
Property/Lease	Name: Quail State 16 No 3	вн	Lease	No.:	
County/State:	Lea, NM	Facility Type: Ga	s Well		
Waste Informa	ation				
Description			Quantity	Unit	Waste Code
Chloride contamin	ated soil from drilling operations			CY	
			20	01	
					1
			1		
			<u> </u>		
Transporter li	nformation				
Transporter:				: <u>409</u>	
Address:	1100 East Michigan Dr				-390-5004
City/State:	Hobbs, NM		Truck No). <u> </u>	
Receiving Fac	cility Information				
Facility:	Lealand		Phon	e. <u>405</u>	5-236-4257
Address:	180 US 62		Permit N	o: SW	/M131401
City/State:	Carlsbad, NM				
Generator: The w regulations based Transporter: I cert	s Statements vaste(s) described above is not a haza upon process knowledge, and or ana tify the waste in quantity above was re contributed to designated waste(s)	lysis, and/or MSDS. ceived by me for shipme	ent to the designate	d receivin	
Signatures	1 0/1		. /		ci - 1/
Generator	X con office	- 0	ARINTER		8 Jan 19
Transporter	MIME Quesas	se -	Driver		Date Jy
Receiving Facility	Sante Gar	Zalez	Title		1-8-14



Non-Hazardo	us Waste Manifest			,
	Manifest No:			38
Generator Info	rmetica	(Project	No.)	(Load No.)
	Precision Drilling	Conto	ot: Ch	istian Lavallee
	10350 Richmond Ave.	Phone		-435-6100
	Houston,TX 77042		e. <u>/13</u>	-435-0100
•	Name: Quail State 16 No 3H		se No.:	
•	Lea, NM Facility Type: Ga		se NO.	
oounty/otate.	Lea, 14W Type. Ca	13 44611		
Waste Informa	ition			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations.		01/	
		20	CY	
Transporter In	formation			
Transporter:	Blade	I.D.H	No.: 409	96
Address:	1100 East Michigan Dr.		-	5-390-5004
City/State:	Hobbs, NM			
(E)				
Receiving Fac	ility Information			
Facility:	Lealand	Pho	ne: <u>405</u>	5-236-4257
Address:	180 US 62	Permit	No: SW	/M131401
City/State:	Carlsbad, NM			
regulations based Transporter: I certi	Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipme I certify that the designated waste(s) were received via the definition.	ent to the designa	ted receivin	
Signatures	10/7		3	/
Generator	Jeon /6 -	Title		Str. 10th
Transporter	PONDEROSA Trock	chofer		1-8 2014
Receiving Facility	S. GONZaliz	-		1-8-14

Title

Date



Non-Hazardo	ous Waste Manifest			~ ~
	Manifest No:	328-365 (Project		- ST (Load No.)
Generator Info	ormation	(i rajova	,	(Edda 144)
	Precision Drilling	Cont	act: Ch	ristian Lavallee
Address:	10350 Richmond Ave.	Phon		3-435-6100
City/State:	Houston,TX 77042			
-	Name: Quail State 16 No 3H	 Lea	se No.:	
	Lea, NM Facility Type: Ga		•	
Waste Informa	ation			
	auvii			
Description	ated soll from drilling operations.	Quantity	Unit	Waste Code
Citionae Containiis	ated soil from drining operations.	20	CY	
		70		
			 	-
			•	
		† · · · · · · ·		
Transporter la	nformation			
Transporter	"		No.: <u>40</u>	
	1100 East Michigan Dr		-	5-390-5004
City/State:	Hobbs, NM	Truck	No	
Receiving Fac	cility Information			
Facility:	Lealand	Pho	one: 40	5-236-4257
Address:	180 US 62	– Permit	No: SV	VM131401
City/State:	Carlsbad, NM	-		
regulations based Transporter: I cert	Statements (aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. If the waste in quantity above was received by me for shipm or certify that the designated waste(s) were received via the control of	ent to the designa	ated receivi	
Signatures Generator	12/16	roenater	.,	85 14
Senerator	xuen ///	Title		Date
Transporter	Nove Brework	Orlve K		/- 5-/4 Date
Receiving Facility	Santos Gionzalez	Title		1-8-14



Non-Hazarde	ous Waste Manifest			100
	Manifest No:	328-365 (Project		- · 40
Generator Infe	ormation	(, , , ,	, ,	(Load No.)
Generator:	Precision Drilling	Cont	act: Chr	ristian Lavallee
Address:	10350 Richmond Ave.			I-435-6100
City/State:	Houston,TX 77042			
Property/Lease	e Name: Quail State 16 No 3H	— _ Lea	se No.:	
County/State:	Lea, NM Facility Type: G	as Well	_	
Waste Inform	ation		<u> </u>	
Description		Quantity	Unit	Waste Code
Chloride contamin	ated soil from drilling operations.			772010 0040
		20	CY	
		<u> </u>		
			:	
Transporter Ir	nformation	4		
Transporter:	Blade	10.1	No.: 409	ne.
Address:	1100 East Michigan Dr.			-390-5004
City/State:	Hobbs, NM	Truck I		-380-3004
-				
-	cility Information			
Facility:	Lealand	_ Pho	ne: 405	-236-4257
Address:	180 US 62	Permit	No: SW	M131401
City/State:	Carlsbad, NM	_		
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.				
Signatures	0 0/1 -			1
Generator	Jen 498 9	perator Tille		7 Jan 14
Transporter	June Oveyorte _	Delve 1		1-9-14
Receiving Facility	A titudes	Terk		1-9-14-



Receiving Spacility

Euraministra & Ald	as variations, ind			Fax 432-563-2213
Non-Hazardo	ous Waste Manifest			.//
	Manifest No:	328-365		-41
Generator Info	ormation	(Project	No)	(Load No.)
	Precision Drilling	Cont	act: Ch	ristian Lavallee
	10350 Richmond Ave	Dhon		3-435-6100
	Houston,TX 77042		710	7-400-0100
	Name: Quail State 16 No 3H	lea	se No.:	
County/State:				
<u> </u>		Gr. Salata		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
Chloride contamina	ated soil from drilling operations.	00	CV	
		20	CY	
			ļ	
<u> </u>			l	<u>L</u>
Transporter In	formation			
Transporter:	Blade	I,D. I	No.: 409	3 6
Address:	1100 East Michigan Dr.		_	5-390-5004
City/State:	Hobbs, NM			
Danaisina Faa	186. 8.6			
	ility Information			
•	Lealand			5-236-4257
	180 US 62	Permit	No: SW	/M131401
City/State:	Carlsbad, NM	-		
Certification	Statements			
Generator: The wa	aste(s) described above is not a hazardous waste pursuant to	o 40 CFR Part 26	1 and any a	pplicable state or local
Transporter: I certif	upon process knowledge, and or analysis, and/or MSDS fy the waste in quantity above was received by me for shipm	ent to the designa	ited receivin	no facility
Receiving Facility:	I certify that the designated waste(s) were received via the d	esignated transpo	orter	g roomly.
Signatures	Λ / /			
•	1 2/0/	1.		
Generator	from Harry	Derato	<u>~ 1</u>	9 Jan 14
()	STD 1	Title		Date
Transporter	(XIIIII)	PiAILEL		1914
	WILLIAM	Title		Date



	ous Waste Manifest			1/2
	Manifest No:	328-365 (Project		
Generator Info	ormation	(Project	NC.)	(Load No.)
_	Precision Drilling	Contr	act.	Christian Lavallee
	10350 Richmond Ave.	Phon		713-435-6100
City/State:	Houston,TX 77042		_ _	713-433-0100
-	Name: Quail State 16 No 3H	Lea	sa Na	
	Lea, NM Facility Type: _G	Lea:	2C 140	:
		23 VVÇII	-	
Waste Informa	ation			
Description	-	Quantity	Uni	t Waste Code
Chloride contamin	ated soil from drilling operations.			
		20	CY	
			•	
Transporter In	nformation			
Transporter:		10.4	lo.:	4006
Address:	1100 East Michigan Dr.		_	575-390-5004
City/State:	Hobbs, NM	Filo	_	375-390-5004
-		IFUCK I	40. <u> </u>	
Receiving Fac	iliba Information			
_	ашку инголпаціоп			
Facility:	Lealand	Pho	ne.	405-236-4257
Facility:		-	_	405-236-4257 SWM131401
Facility:	Lealand	-	_	405-236-4257 SWM131401
Facility: Address: City/State:	Lealand 180 US 62 Carlsbad, NM	-	_	
Facility: Address: City/State: Certification	Lealand 180 US 62 Carlsbad, NM Statements	Permit (No:	SWM131401
Facility: Address: City/State: Certification Generator: The waregulations based	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS	Permit	No:	SWM131401
Facility: Address: City/State: Certification Generator: The wiregulations based Transporter: I certification	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipme	Permit	No:	SWM131401
Facility: Address: City/State: Certification Generator: The wiregulations based Transporter: I certification; Receiving Facility:	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS	Permit	No:	SWM131401
Facility: Address: City/State: Certification Generator: The wiregulations based Transporter: I certification	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipme	Permit	No:	SWM131401
Facility: Address: City/State: Certification Generator: The wiregulations based Transporter: I certification; Receiving Facility:	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipme	Permit	No:	SWM131401
Facility: Address: City/State: Certification Generator: The wiregulations based Transporter: I certification; Receiving Facility: Signatures	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipme	Permit	No:	SWM131401
Facility: Address: City/State: Certification Generator: The waregulations based Transporter: I certifications Receiving Facility: Signatures Generator	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fry the waste in quantity above was received by me for shipme I certify that the designated waste(s) were received via the designated waste(s).	Permit of 40 CFR Part 261 and to the designated transpo	No:	SWM131401
Facility: Address: City/State: Certification Generator: The wiregulations based Transporter: I certification; Receiving Facility: Signatures	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for shipme	Permit of 40 CFR Part 261 and to the designated transpo	No:	SWM131401
Facility: Address: City/State: Certification Generator: The waregulations based Transporter: I certifications Receiving Facility: Signatures Generator	Lealand 180 US 62 Carlsbad, NM Statements aste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. fry the waste in quantity above was received by me for shipme I certify that the designated waste(s) were received via the designated waste(s).	Permit of 40 CFR Part 261 and to the designated transpo	No:	SWM131401



Facility

COLONGINARIO E NUI	ry somewar, ne				Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest				.12
	Manifest	No: _	328-365		. 45
Generator Info	rmation		(Project	No)	(Load No
	Precision Drilling		04		01.7.11
	10350 Richmond Ave		_ Conta	_	Christian Lavallee
	Houston,TX 77042		_ Phon	e: _	713-435-6100
	Name: Quail State 16 No 3H	 .	_		
County/State:				se No.	
County/Glate.	Lea, NM Facility Type:	Gas	/veii		
Waste Informa	ition	···			
Description			Ougstitus	l last	A
	ated soil from drilling operations.		Quantity	Uni	t Waste Code
			20	CY	

Transporter In	formation				
	Blade		10.4	1	1000
•	1100 East Michigan Dr.			ا <u>ا</u>	
City/State:	Hobbs, NM				575-390-5004
Only/Otale.	TIODDS, MM		Truck h	NO	
Receiving Fac	ility Information				
Facility.	Lealand		₽ho	ne: 4	405-236-4257
Address:	180 US 62				SWM131401
City/State:	Carlsbad, NM			_	
0-48-4					
Certification : Generator: The wa	Statements ste(s) described above is not a hazardous waste pursu	ant to 40	CED Dod 164		
Togulations pased t	ipon process knowledge, and of analysis, and/or MSDS				
Receiving Facility: I	y the waste in quantity above was received by me for si certify that the designated waste(s) were received via t	nipment t he desig	o the designal nated transpo	ted rece	iving facility.
	1				
Signatures					,
Generator	Jun Har	nn.	matar		a 1 14
	7/1	atro	Title		Date
Tanana	May May Source	N .	_ ^		61 00 101
Transporter	AFRIMANSO DOUS	<u>D</u>	ZIUES		010919
Decree (C 1	I NAG		Uāté /
Receiving	ALV "IV	7 11			1 6 1/



Non-Hazardo	ous Waste Manifest				1.1	
	Manifest	No:	328-365		44	
Generator Info	ormation		(Project	No 1	(Load No.)	
	Precision Drilling		Contr	act Cl	hristian Lavallee	
	10350 Richmond Ave				13-435-6100	
	Houston,TX 77042				13-433-0100	
	Name: Quail State 16 No 3H		—— Leas	se No :		
	Lea, NM Facility Type:	Ga	s Well			
Waste Informa						
Description			0		1	
	ated soil from drilling operations.		Quantity	Unit	Waste Code	
2 50	_ - · 58		20	CY		
Transporter in	formation			···		
Transporter:	Blade		I.D. N	No.: 40	96	
Address:	1100 East Michigan Dr.		-		75-390-5004	
City/State:	Hobbs, NM					
Receiving Fac	ility Information					
Facility:	Lealand		Pho	ne: 40	5-236-4257	
Address:	180 US 62				VM131401	
City/State:	Carlsbad, NM					
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.						
Signatures						
Generator	Leon Hol	ot	serve to		9 Jan 14	
Transporter	Jane Joseph		DRILLER Title	 .	/- 9-14 Data	
Receiving Facility	Allix	<u>(</u>	Herk		1-9-14	



Receiving Facility

Eustounners y 25	44) Zermeur Mc				Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest				
		Manifest No:	328-365		'tS
Generator Info	ormation		(Project	l No)	(Lond No.)
	Precision Drilling		Cont	not Ch	inting (a. alla a
	10350 Richmond Ave.				istian Lavallee
	Houston TX 77042		Phor	ie: _/13	-435-6100
	Name: Quail State 16 No	3H		so No:	
	Lea, NM		Lea	se No.	
		racinty typeG	29 AAGII		
Waste Informa	ation	<u></u>			
Description			Quantity	Unit	Waste Code
	ated soil from drilling operations.		duantity	Offic	Waste Code
			20	CY	
				-	
					· · · · · · · · · · · · · · · · · · ·
		· ·			
					_
Transporter In	formation				
Transporter:	Blade		I.D. 1	No.: 409	6
Address:	1100 East Michigan Dr.				-390-5004
	Hobbs, NM				
Receiving Fac	ility Information				
-	Lealand		DI.	400	
•	180 US 62				-236-4257
City/State:			Permit	No: SW	M131401
City/State: Certification	Carlsbad, NM Statements				
Generator: The wa	aste(s) described above is not a haz	ardous waste pursuant to	40 CFR Part 26	1 and any ap	plicable state or local
Transporter: I certif	upon process knowledge, and or and y the waste in quantity above was re	ceived by me for shipme	nt to the designa	ted receiving	1 facility
Receiving Facility:	certify that the designated waste(s)	were received via the de	signated transpo	rter	, womey,
Signatures	. 1				
	2 01.1 -		1		
Generator	Jeon 1106	<u> </u>	perator		7 Jan 14
	A		Title		Date
Transporter (Sall Ko		1-4464		1 9 184
()	1111	1	Title		Dete



	STOP STOP STOP STOP STOP STOP STOP STOP			Fax: 432-563-2213
Non-Hazard	ous Waste Manifest			111
	Manifest N	lo: <u>328-365</u>		46
Generator Inf	formation	(Project	No j	(Load No.)
Generator:	Precision Drilling	Cont	act: Chr	istian Lavallee
Address:	10350 Richmond Ave.			-435-6100
City/State:	Houston,TX 77042		710	7-703-0100
	e Name: Quail State 16 No 3H	l ea	se No	
County/State:		Gas Well	00 110	
	<u> </u>			
Waste Inform	ration			
Description		Quantity	Unit	Waste Code
Chloride contamir	nated soil from drilling operations.			
		20	CY	
<u> </u>				
Transporter I	nformation			
Transporter:	Blade	וח א	lo.: 409	â
Address:	1100 East Michigan Dr.			-390-5004
City/State:	Hobbs, NM			-000-0004
District F			· · ·	
	cility Information			
Facility:	Lealand	Pho	ne: <u>405</u>	-236-4257
Address:	_180 US 62	Permit	No: SW	M131401
City/State:	Carlsbad, NM	-		
Transporter: I cert	Statements aste(s) described above is not a hazardous waste pursuan upon process knowledge, and or analysis, and/or MSDS. ify the waste in quantity above was received by me for ship I certify that the designated waste(s) were received via the	ment to the decises	ad moniving	
Signatures	A /			
	1. 1/11			- 1
Generator	yeon At 3	operator	<	7 Jan 14
		* Title		Date
Transporter	TONDEROSE TOUCK	choFer		-9-2014
Receiving	(NKI, VL	01		
Facility	- Joseph L	Creck		1-7-14-



Non-Hazardous	Waste	Manifest
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	Manifest	No: 328	8-3657-0(
Generator Info	ormation		(FTO)OCT NO.)	(Load No.)			
Generator:	Precision Drilling		Contact:	Christian Lavallee			
Address:	10350 Richmond Ave.		Phone:	713-435-6100			
City/State:	Houston,TX 77042			110 400 0100			
	Name: Quail State 16 No 3H		Lease N	lo.:			
	Lea, NM Facility Type:	Gas Well					
Waste Informa							
Description		Quant	ity U	nit Waste Code			
Chloride contamina	ated soil from drilling operations.						
		20		Y			
Transporter In	formation						
Transporter:	Blade		I.D. No.:	4096			
Address:	1100 East Michigan Dr.	<u>_</u>	Phone:	575-390-5004			
City/State:	Hobbs, NM	Tr					
Receiving Fac	ility Information						
Facility:	Lealand		Phone	405-236-4257			
Address:	180 US 62	<u>—</u> Ре	Permit No: SWM131401				
City/State:	Carlsbad, NM			071111011101			
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.							
Signatures	e de		,				
Generator	Jean HVD	Opened	ev.	9 Jan 14			
Transporter	Appropria Sous	DRIVE	72_	01 09 14			
Receiving Facility	L'itueres		erC	Date Date			



Non-Hazardo	ous Waste Manifest Manifest No	î:;	328-365 (Project		- 46		
Generator Info	ormation		(F1 O)SCI	140 /	(Load No.)		
Generator:	Precision Drilling		Conta	act: Ch	ristian Lavallee		
Address:	10350 Richmond Ave.		Phon		3-435-6100		
City/State:	Houston,TX 77042						
Property/Lease	Name: Quail State 16 No 3H		Lea	se No.:			
County/State:	Lea, NM Facility Type: _(Gas We					
Waste Informa	tion						
	ilion —	1	_		ı		
Description Chloride contamins	ited soil from drilling operations.	Qua	antity	Unit	Waste Code		
	The solition aliming operations.	20	5	CY			
		ac	,				
		-					
Transporter In	formation			·			
Transporter:	Blade		I.D. N	No.: 409	96		
Address:	1100 East Michigan Dr.			-	5-390-5004		
City/State:	Hobbs, NM		Truck N				
Receiving Fac	ility Information			.			
Facility:	Lealand		Pho	ne: 405	5-236-4257		
Address:	180 US 62	_			/M131401		
City/State:	Carisbad, NM	_		***			
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.							
Signatures							
Generator	Jean Hf 5	pera	dor	<	Jan 14		
Transporter	Jane Depank	DRIVE	file.		1-9-14		
Receiving Facility	A HUY	7/2	rK		1-9-14		



					Fax: 432-563-2213
Non-Hazarde	ous Waste Manifest				161
	Manifest	No:	328-365 (Projec		
Generator Infe	ormation		(, , , , , ,	,	(ON DBO3)
Generator:	Precision Drilling		Cont	act:	Christian Lavallee
Address:	10350 Richmond Ave.		Phor	_	713-435-6100
City/State:	Houston,TX 77042		_	_	
Property/Lease	Name: Quail State 16 No 3H		- Lea	se No.	.:
County/State:	Lea, NM Facility Type:	Gas V	- Vell		
Waste Informa		(151/8) (Ho			
waste inform	ation				
Description		c	luantity	Uni	t Waste Code
Chloride contamin	ated soil from drilling operations.			CY	
		_ 2	0	CY	
					
				L	
Transporter In	iformation				
Transporter:	Blade		I.D. 1	No.: 4	4096
Address:	1100 East Michigan Dr.				575-390-5004
City/State:	Hobbs, NM		Truck I	_	
Receiving Fac	ility Information	•			
	Lealand				
•	180 US 62				405-236-4257
	Carlsbad, NM		Permit	No: _8	SWM131401
Oily/Olale.	Carisbau, NW				
Certification	Statements				
Generator: The ware	aste(s) described above is not a hazardous waste pursu: upon process knowledge, and or analysis, and/or MSDS	ant to 40 C	FR Part 26	1 and an	y applicable state or local
Transporter: I certif	ly the waste in quantity above was received by me for el-	or Inemnir	the designa	ted rece	iving facility.
Receiving Facility:	I certify that the designated waste(s) were received via t	he design:	ated transpo	rter.	
Signatures	/				
Generator	A. 0/06_		1		/
Generator	year H &	oper	Title		9 Jan 14
	In ,		e speak		Date
Transporter	Stuble to	Dr	AIVEY		1 9 14
			Title		Date
Receiving	Man Links lave				1-9-14
Facility	11210		<u>ur</u>		



	Manifest	No:	328-365	50	
Generator Inf	ormation		(Project	l Ng)	(Load No
Generator	Precision Drilling		Cont	act: Ch	ristian Lavallee
Address:	10350 Richmond Ave.		Phon	3-435-6100	
City/State:	Houston,TX 77042	·····			0 400-0100
Property/Lease	e Name: Quail State 16 No 3H		Lea	se No.:-	
County/State:	Lea, NM Facility Type:	Gas W	 'ell		
Waste Inform					
	atton				
Description Chloride contamin	ated soil from drilling operations.	Q	uantity	Unit	Waste Code
Chionos Contanin	ated soil from drilling operations.			CY	
			0	0,	
Transporter Ir	nformation				
Transporter:	Blade		I.D. N	No.: 409	96_
Address:	1100 East Michigan Dr.		Pho	ne: 575	5-390-5004
City/State:	Hobbs, NM		Truck N	No.	
Receiving Fac	ility Information				
Facility:	l ealand		Pho	ne 405	5-236-4257
- 200	180 US 62				/M131401
	Carlsbad NM		r Girille	3//	W 13 140 1
Certification Generator: The wa	Statements aste(s) described above is not a hazardous waste pursu	net to 45 C	ED 0ad 004		Same and the same of the same
A Charactoria Deserv	upon process kilowiedde, and of analysis, and/or MSDS				
Receiving Facility:	fy the waste in quantity above was received by me for shill certify that the designated waste(s) were received via t	iipment to (he designa	he designat ted transpo	ted receivin	g facility.
Signatures	/				
Signatures	1 0/				
Generator	Jean HPC	0000	center	- 0	9. Tan 14
(-112	Title		Date
Transporter	6 was a colo	1	E.	,	0 0 -/
Tanaporte:	FONDEROSE + TUEL	cho	Title		- Y 2014
Receiving	MXIII	\bigcirc 1	1 -) m
Facility	The total		erK		1-9-2014
			I ILIG		Date



	Manifest I	۷o:3	328-3657-001 (Project No.)		5-/		
Generator Info	ormation		(Project	No)	(Load No		
_	Decision Dellin		Cont	ant (Christian Lavallee		
Address:	10350 Richmond Ave		Phon	_	713-435-6100		
1 7 7.05	Houston,TX 77042	-	FIIOI		13-433-0100		
•	e Name: Quail State 16 No 3H		Loa	ca Na			
	Lea, NM Facility Type:	-	L Ca	SC 140.			
o o anny o tato.	racinty type.	Gas vvei	1				
Waste Informa	ation						
Description		Qua	intity	Unit	Waste Code		
Chloride contamin	ated soil from drilling operations.			0)/			
		20		CY			
:							
Transporter In	nformation						
Transporter:	Blade		10.4		1000		
•				No.: _4			
	1100 East Michigan Dr. Hobbs, NM				575-390-5004		
Only/Olato.	HOODS, HW		Truck	vo. —			
Receiving Fac	cility Information						
Facility:	Lealand		Pho	ne: 4	05-236-4257		
Address:	180 US 62				SWM131401		
City/State:	Carlsbad, NM						
Certification Statements Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS. Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.							
Signatures							
Generator	Jean Ho	open	for Title		9 Jan 14 Dare		
Transporter	Arryon Sons	050	リピリ Title		010914 Date		
Receiving Facility		Cer	Title		1-9-K		



	Manifest No		_ 30 5			
Generator Inf	enerator Information		(Project No.)			
_	Precision Drilling	Cont	act: Chi	ristian Lavallee		
	10350 Richmond Ave.	 Phon		3-435-6100		
City/State:	Houston,TX 77042					
-	e Name: Quail State 16 No 3H	——— Lea	se No.:			
	Lea, NM Facility Type: _C	Sas Well				
Waste Inform	ation					
Description		Quantity	Unit	Waste Code		
Chloride contamir	nated soil from drilling operations.	20	CY			
Transporter In Transporter: Address:			No.: 409	96 5-390-5004		
City/State:	Hobbs, NM		No			
Receiving Fa	cility Information					
Facility:	Lealand	Pho	nne: 404	5-236-4257		
Address:	190 HC 62			/M131401		
City/State:	Carlsbad, NM					
Generator: The waregulations based Transporter: I cert	Statements vaste(s) described above is not a hazardous waste pursuant l upon process knowledge, and or analysis, and/or MSDS. tify the waste in quantity above was received by me for shipr : I certify that the designated waste(s) were received via the	ment to the designa	ated receiving			
Signatures	50*1					
Generator	- I day of ser	OPERA	<i>f</i> ∞	/- B - / \/ Date		
Transporter	JAIME QUELARA	DRIVER Title		1-3-14		
Receiving Facility	S. Gonzalez	Title		1- \$-14		



Receiving Facility

							1 dx. 402-300-2213
Non-Hazardo	ous Wast	e Manifest					- L- J-
			Manifest No:	328-365 (Project		1	· <u>-57 5</u>
Generator Info	ormation			(Project	NO.)		(Load No.)
Generator:		Drilling		Conta	act.	Chris	stian Lavallee
Address:			· · · · · · · · · · · · · · · · · · ·	Phone			435-6100
City/State:		TX 77042			· .	713	733-0100
_	· · · · · · · · · · · · · · · · · · ·	Quail State 16 No	3H		ea Na		
County/State:	_	IM			36 140	· -	
ood.iii, oodiio.	200, 1	****	_ ruomity rypo. <u>_ oa</u>	3 11011			
Waste Informa	ation						
Description				Quantity	Un	it	Waste Code
Chloride contamin	ated soil from	drilling operations.		_	0		
				20	C,	1	
		<u></u>					
			<u></u>		Ļ	\perp	
Transporter lu	nformation	1					
Transporter:	Blade			I.D. N	No.:	4096	3
Address:	1100 Ea	st Michigan Dr.					390-5004
City/State:	Hobbs, N			Truck t			
•				_	•	_	
Receiving Fac	cility Infor	mation					
Facility:	Lealand			Pho	ne:	405-	236-4257
Address:	180 US (62		Permit	No:	SWI	M131401
City/State:	Carlsbac	I, NM					
regulations based Transporter: I cert	aste(s) descr upon process ify the waste	ibed above is not a haz s knowledge, and or an in quantity above was :	zardous waste pursuant to lalysis, and/or MSDS. received by me for shipme s) were received via the de	nt to the designa	ited rea	-	
Signatures							
Generator		- dely of	<u> </u>	Upere-	tol	<i></i>	/ - 0 - / \/ Date
Transporter	PON	DEROSA	trulk (choFel	۲	. 1	- 8 2014



deres a minute () a model for Souther	ery conserved to the			Fax: 432-563-2213
Non-Hazardo	ous Waste Manifest			
	Manifest No:			- o+ 5
Generator info	ormation	(Project	NO.}	(Load No.)
	Pracision Drilling	Cont	act: Chi	ristian Lavallee
Address:	10350 Pichmond Ave	Dhan		3-435-6100
	Houston,TX 77042		o. <u>/ 10</u>	7-435-0100
-	Nan:e: Quail State 16 No 3H	1.00	se No.:	
	Lea, NM Facility Type: G		36 140,.	
	- Comy Typo.	do vicii		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations.	- Causanasy		110919 0008
		20	CY	
		1		
Transporter Ir				
Transporter:			No.: 409	
	1100 East Michigan Dr.	Pho	ле: <u>575</u>	-390-5004
City/State:	Hobbs, NM	Truck i	No	
Receiving Fac	sility Information			
	•	Di.	400	040 4055
	Lealand 180 US 62	_		-236-4257
City/State:	Carlsbad, NM	_ Permit	NO: SVV	M131401
City/State.	Carisbad, NM	-		
Certification				
Generator: The wa	aste(s) described above is not a hazardous waste pursuant t upon process knowledge, and or analysis, and/or MSDS.	o 40 CFR Part 26	1 and any a	pplicable state or local
Transporter: I certi	fy the waste in quantity above was received by me for shipm.	ent to the designa	ted receivin	g facility.
Receiving Facility:	I certify that the designated waste(s) were received via the d	esignated transpo	orter.	
Signatures				
	1 Oni	(1
Generator	Then 5	Derwick	2	13 Jun 14
1		S, Hug		Uista
Transporter	a Home Kle HOLL Side	7,2,000	,	1-23-14
-	7	Tide	*******	Oate
Receiving	4 (20000/62			1 12 111
Facility	J. GUIZUUZ	Tal.		1-05-14



		Manifest	No:3:	28-3657		- 095
Generator Inf	ormation			TLIONICE MO	r-1	(Lo#0 No.)
Generator:	Precision Drilling	<u></u>		Contac	t: Ch	ristian Lavallee
Address:	40000 Distance I A			Phone:		3-435-6100
City/State:	Houston,TX 77042					
Property/Leas	e Name: Quail State 16 No	3H		Lease	No.:	-
County/State:	Lea, NM	Facility Type:	Gas Well			
Waste Inform	ation					
Description			Quai	ntity	Unit	Waste Code
Chloride contamir	ated soil from drilling operations.		2.0	>	CY	
					-	
Transporter In Transporter: Address: City/State:	Riade				e: 575	96 5-390-5004
-	cility Information			110011110	·	
Facility:				Phon	o: 404	5-236-4257
Address:	200110-00				•	/M131401
City/State:	Carlsbad, NM		······· '	OITHIC 14	D. <u>5</u>	141101401
Transporter: I cert Receiving Facility	Statements raste(s) described above is not a haza upon process knowledge, and or ans ify the waste in quantity above was re I certify that the designated waste(s)	llysis, and/or MSDS regived by me for st	iloment to the	designate	d neceivin	
Signatures	1 4 23	2 4 **	, no.	, iii		
Generator	Johns 1. 1	0.00	-1/3-1-1/20 B	41,05		23 Jan 14
(I A			11PMP		Uale
Transporter	Jalua (Joseph)		DEME	C III		1-23-14 Date
Receiving Facility	S. Gonzala			itte		1-23-1



Non-Hazard	ous Waste Manifest				570
	Manifest No:			01	· 35 54
Generator Inf	Cormation	(Pı	oject No.)		(Load No.)
	Procision Deilling	C	ontact:	Ch	ristian Lavallee
	10350 Richmond Ave.	-	none:		3-435-6100
	Houston,TX 77042	''	ione,	115	5-433-0100
•	e Name: Quail State 16 No 3H	_ ,	eace l	do .	·
	Lea, NM Facility Type: Ga	s Well		••••	
Waste Inform	ation				
Description		Quantit	y L	Init	Waste Code
Chloride contamir	nated soil from drilling operations.				
		20	'	CY	
Transporter I	nformation				
Transporter:	Blade	11	D. No.:	409	96
Address:	1100 East Michigan Dr.	-			5-390-5004
City/State:	Hobbs, NM	_			
•					
	cility information				
Facility:	Lealand		Phone:	405	5-236-4257
	180 US 62	Perr	nit No:	SW	/M131401
City/State:	Carlsbad, NM				
Certification	Statements				
Generator: The w	/aste(s) described above is not a hazardous waste pursuant to	40 CFR Par	261 and	any a	pplicable state or local
Transporter: I cert	upon process knowledge, and or analysis, and/or MSDS. ify the waste in quantity above was received by me for shipme	nt to the desi	onated r	eceivin	o facility
Receiving Facility	: I certify that the designated waste(s) were received via the de	signated tran	sporter.		.5 .00
Signatures	unt til				
	0/0				/
Generator	ton I place of	seruter	^		235an 14
1		Title			Date
Transporter	1 AINS () 50 002 52 1	16.10			1 - 3
		Title			Dele
Receiving	9 (2000 1/10				1-02 118
Facility	U-GORT WILL	Title			Date Date



N	lon-l	Hazaı	rdous	Waste	Manifest
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TOTT TIGILGI G	ous waste maillest	Manifest	No: 328-36		
Generator Inf	ormation		(Projec	ii No.)	(Load No.)
Generator:	Precision Drilling		Con	tact: Cl	hristian Lavallee
Address:	10350 Richmond Ave.		Dha		3-435-6100
City/State:	Houston,TX 77042				
Property/Lease	e Name: Quail State 16 No			se No.:	
County/State:	Lea, NM	Facility Type:	Gas Well		
Waste Inform	ation				
Description			Quantity	Unit	Waste Code
Chloride contamin	ated soil from drilling operations.		20	CY	
	Blade 1100 East Michigan Dr.		Ph		75-390-5004
		<u> </u>	Truck	No	
_	cility Information				
•)5-236-4257
Address:			Permit	No: _S\	VM131401
Certification Generator: The w regulations based Transporter: I cert	Carlsbad, NM Statements aste(s) described above is not a ha upon process knowledge, and or a ify the waste in quantity above was I certify that the designated waste(s)	nalysis, and/or MSDS received by me for sl	i. hipment to the design	ated receiv	
Signatures	1				
Generator			Title		A3 Jan 15
Transporter	Jane Grand		Device		1-23:14
Receiving Facility	S. Gonz	2017	Title		1/23/14



ноп-падагос	Manifest N	to: <u>328-36</u> 5	57-001	- 2015 G
Generator Info	amasia a	(Projeci	No.)	(Load No.)
	Basalaian Ballian	Comb	anti Ohi	
				ristian Lavallee
	10350 Richmond Ave.	Phor	ie: <u>/13</u>	3-435-6100
•	Houston,TX 77042		- J	
	Name: Quail State 16 No 3H		se No.:	
County/State:	Lea, NM Facility Type:	Gas vveii		
Waste Informa	ation			
Description		Quantity	Unit	Waste Code
	ated soil from drilling operations.			
		20	CY	
			1	
L			<u></u>	<u> </u>
Transporter In	nformation			
Transporter:	Blade	I.D. i	No.: 409	96
Address:	1100 East Michigan Dr.		_	5-390-5004
City/State:	Hobbs, NM			
Desching For	1126 . (1 8			
-	clifty Information			
•	Lealand			5-236-4257
Address:	180 US 62	Permit	No: SV	/M131401
City/State:	Carlsbad, NM			
regulations based Transporter: I certi	Statements aste(s) described above is not a hazardous waste pursua upon process knowledge, and or analysis, and/or MSDS. fy the waste in quantity above was received by me for sh I certify that the designated waste(s) were received via the	ipment to the designa	ated receiving	
Signatures				
Generator	206	Pour Jos		24 Jan 14 Date
Transporter	Line Charles to	DLIVER		/- 14-13 Date
Receiving Facility	J. Gonzalez			1-24.14



	Mar	ifest No:	328-365 (Project		100
Generator Inf	ormation		Project	NO.;	(Load No.)
	Precision Drilling		Cont	act: Ch	ristian Lavallee
Address:	10350 Richmond Ave.				3-435-6100
City/State:	Houston,TX 77042			10	3-433-0100
	e Name: Quail State 16 No 3H		lea	se Nn ·	
County/State:		ype: Gas	Well		
Waste Inform	ation			· · · · · · · · · · · · · · · · · · ·	
Description			Quantity	Unit	Waste Code
Chloride contamir	ated soil from drilling operations.		20	CY	
Transporter In Transporter: Address: City/State:			Pho		5-390-5004
-		<u></u>	_ HUCK I	NO	
	cility Information				
•	Lealand		Pho	ne: <u>405</u>	-236-4257
	180 US 62		Permit	No: SW	/M131401
Transporter: I cert	Carlsbad, NM Statements aste(s) described above is not a hazardous waste upon process knowledge, and or analysis, and/or ify the waste in quantity above was received by my I certify that the designated waste(s) were received.	MSDS. I for shipment	to the designal	ted receivin	
Signatures					
Generator	ov. D.	Obes	Grand St.T.E.	<u> </u>	1-27-14 Date
Transporter	LAND QUELADO LE		K-G K		1.27-14 Date
Receiving Facility	S. Genzaliz		Title		1-27-14



	Manifest No:		57-001	- 47- 65		
Generator Inf	ormation	(Projec	(NO.)	(Load No.)		
Generator:	Precision Drilling	Cont	act: Chi	ristian Lavallee		
Address:	10350 Richmond Ave.			3-435-6100		
City/State:	Houston,TX 77042			7 100 0100		
	e Name: Quail State 16 No 3H	 Lea	se No			
County/State:			•			
Waste Inform	,					
			1			
Description Chloride contamir	nated soil from drilling operations.	Quantity	Unit	Waste Code		
	4 - - - - - - - - - -	20	CY			
		0/-				
Transporter i	nformation	:				
Transporter:		- M 9	No.: 409			
Address:	1100 East Michigan Dr.			5-390-5004		
City/State:	Hobbs, NM	Truck i	No			
Receiving Fa	cility information					
Facility:	Lealand	Pho	one: 405	5-236-4257		
Address:	180 US 62	-		/M131401		
City/State:	Carlsbad, NM					
regulations based Transporter: I cert	Statements raste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS. ify the waste in quantity above was received by me for shipme I certify that the designated waste(s) were received via the de-	ent to the designs	ted receiving			
Signatures						
Generator	Na oi	Title	<u>se</u> _	1-27-14		
Transporter	Figure Comment I	Title		1 - 2 7 - 1 1 1 Date		
Receiving Facility	J. Gentliliz	Title	 _	1-27-VL		



Non-h	lazar	dous	Waste	Manifest

Non-Hazard	ous Waste Manifest			r6
	Manifest No	o: <u>328-365</u>		oto 5
Generator In	formation	(Project	No.)	(Load No.)
	Precision Drilling	Cont	act: Ch	ristian Lavallee
	10350 Richmond Ave	Dhan		3-435-6100
City/State:	Houston,TX 77042		71.	3-433-0100
•	se Name: Quail State 15 No 3H	——·	se No.:	
County/State:			00 140	
		240 11 0 11		
Waste Inform	ation			
Description		Quantity	Unit	Waste Code
Chloride contami	nated soil from drilling operations.			
		20	CY	
		Į		
Transporter I	Mamation			
Transporter:	Blade		No.: 409	
Address:	1100 East Michigan Dr.			5-390-5004
City/State:	Hobbs, NM	Truck I	No	
Receiving Fa	cility information			
Facility:	Lealand	Pho	ne 404	3-236-4257
Address:	180 US 62			/M131401
City/State:	Carlsbad, NM		140	741131401
	Statements			
Generator: The v	vaste(s) described above is not a hazardous waste pursuant I upon process knowledge, and or analysis, and/or MSDS.	to 40 CFR Part 26	l and any a	pplicable state or local
Transporter: I cer	tify the waste in quantity above was received by me for ships	nent to the designa	ted receivin	ig facility.
Receiving Facility	: I certify that the designated waste(s) were received via the	designated transpo	rter.	
Signatures	. /.			
_	1 0/1	,		,
Generator	Jen 41cm	ppermor		24 Jan 14
	- 6.	Tille		Date:
Transporter	JAME MUINDA CO	PRIVER		1 - 20 - 11
•	June y character se	Title	4	Date
Receiving	1 (Juna Class			1 0 11 11
Facility	O CTURIURY			1-04-6
		Tide		Date



Generator

Transporter

Receiving Facility

	ous Waste Manifest	Manifest No:	328-365 (Project		(Load No.)	
Generator Inf	ormation		(Project	NO.1	(Long No.)	
Generator:	Precision Drilling		Conta	act: Ch	ristian Lavallee	
Address:	10350 Richmond Ave.		— Phon		3-435-6100	
City/State:	Houston,TX 77042					
Property/Leas	e Name: Quail State 16 No	3H	 Lea	se No.:		
County/State:	Lea, NM	Facility Type: Gas				
Waste Inform	ation	****				
Description			Quantity	Unit	Waste Code	
Chloride contamin	nated soil from drilling operations.		20	CY		
						
	·					
Transporter la	nformation					
Transporter	Blade		I.D. 1	No.: 409	96	
Address:	1100 East Michigan Dr.		Phone: 575-390-5004			
City/State:	Hobbs, NM		_			
Receiving Fac	cility information					
	Lealand		Pho	ne: 405	5-236-4257	
Facility:					/M131401	
	180 US 62					



Non-Hazardo	ous Was	te Manifest							(0)
			Manifest I	No:	328-3657-0	01	-	-04	UNI
					(Project No.)		_	(Lose	No.)
Generator Info	ormation								
Generator:	Precision	on Drilling			Contact:	_Cr	nristia	Lavalle	96
Address:	10350	Richmond Ave.	 _		Phone:	71	3-435	-6100	
City/State:	Housto	n,TX 77042							
Property/Lease	Name:	Quail State 16 N	o 3H		Lease I	No.:			
County/State:	Lea,	NM	_ Facility Type:	Gas Wel	1				
Waste Informa	ation								
TTGGG IIIIOIIII	341011								
Description				Qua	antity L	Jnit	l v	Vaste C	ode
Chloride contamina	ated soil fro	m drilling operations.				CV			

Transporter I	nformation		
Transporter:	Blade	 I.D. No.	: 4096
Address:	1100 East Michigan Dr.	 Phone	575-390-5004
City/State:	Hobbs, NM	Truck No.	
Receiving Fa	cility Information		
Facility:	Lealand	 Phone	405-236-4257
Address:	180 US 62	Permit No	: SWM131401
City/State:	Carlsbad, NM		

Certification Statements

Generator: The waste(s) described above is not a hazardous waste pursuant to 40 CFR Part 261 and any applicable state or local regulations based upon process knowledge, and or analysis, and/or MSDS.

Transporter: I certify the waste in quantity above was received by me for shipment to the designated receiving facility. Receiving Facility: I certify that the designated waste(s) were received via the designated transporter.

Signatures		
Generator 2,00	operator	24 Jan 14
66-	Title	Oste
Transporter AIMI BULLINGS		1-24-14
Receiving Facility Secretary	<u> </u>	1124/H
	Tritie	/ Date



Non-l	Hazardous	Waste	Manifest
14011-1	IGEGI GUGS	TTGGLG	Maningst

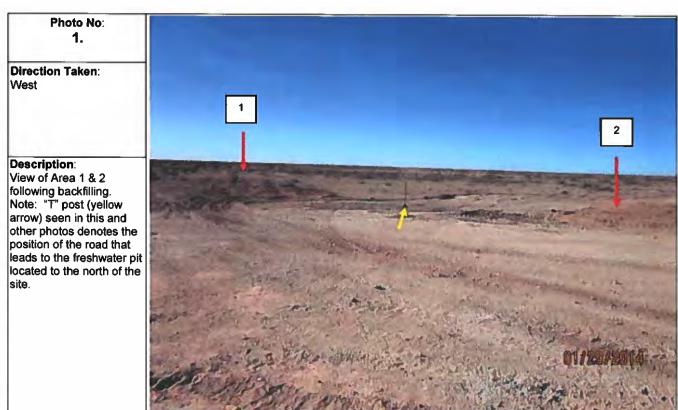
Non-Hazard	ous Waste Manifest			. 102
	Manifest No.	328-365		09
Generator Inf	ormation	(Project	No.)	(i.oed No.)
Generator:	Precision Drilling	0		ACAM CONTRACTOR
Address:	10350 Richmond Ave.			ristian Lavallee
City/State:	Houston,TX 77042	Phor	ie: <u>71</u>	3-435-6100
•	e Name: Quail State 16 No 3H		- 44	
County/State:		Lea	se No.:	
County/State.	Lea, NM Facility Type: _G	as well		
Waste Inform	ation			
Description		Out and the	Limia	11/14 0 1
	nated soil from drilling operations.	Quantity	Unit	Waste Code
	5.1		CY	
		20		
		:		
Transporter I	nformation			
Transporter:	Blade	I.D. 1	No.: 409	96
Address:	1100 East Michigan Dr.	Pho	one: 575	5-390-5004
City/State:	Hobbs, NM	Truck I	No.	
Receiving Fa	cility information			-
	-			
Facility: Address:	Lealand	_		5-236-4257
	180 US 62	_ Permit	No: SV	/M131401
City/State:	Carlsbad, NM	_		
Transporter: I cert	Statements raste(s) described above is not a hazardous waste pursuant to upon process knowledge, and or analysis, and/or MSDS, ify the waste in quantity above was received by me for shipm I certify that the designated waste(s) were received via the designated waste(s).	ent in the designs	ted meanule	
Signatures	101	,		
Generator	Jeen my c	riserando		24 Jan 14
Transporter	AIME QUELADO STE	DRIVER		1-24-14 Date
Receiving Facility	S. GENTALZ	Title		1-24-14 Date

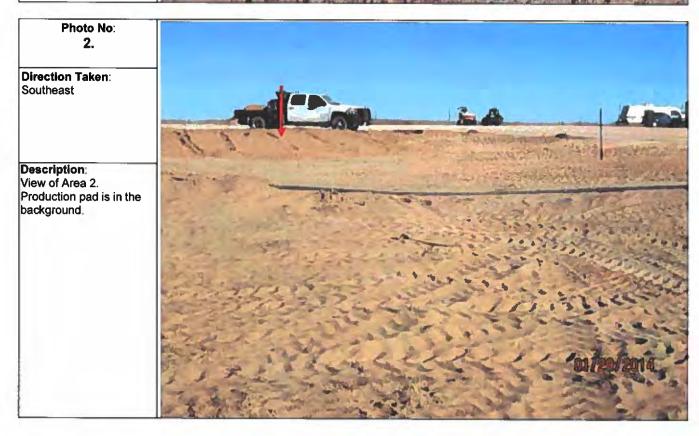


		Manifest N	No: 328-36		
Generator inf	formation		(P70) (ici No.)	(Lond No.)
Generator:	Precision Drilling		Cor	itact: Chi	ristian Lavallee
Address:	10350 Richmond Ave.	· · · · · · · · · · · · · · · · · · ·			3-435-6100
City/State:	Houston,TX 77042				
Property/Leas	e Name: Quail State 16 No 3H		Le	ase No	
		acility Type:	Gas Well		
Waste Inform	ation				·
Description			Quantity	Unit	Waste Code
Chtoride contamir	nated soil from drilling operations.		20	CY	
Fransporter I				<u></u>	
Transporter:			i.D.	No.: 409	96
Address:					-390-5004
City/State:	Hobbs, NM		Truck	No	
Receiving Fa	cility information				
Facility:	Lealand		Ph	one: 405	i-236-4257
Address:	180 US 62			t No: SW	
City/State:	Carlsbad, NM				
Generator: The wregulations based Transporter: I cert	Statements raste(s) described above is not a hazardo upon process knowledge, and or analysi lify the waste in quantity above was recei t certify that the designated waste(s) we	is, and/or MSDS. ved by me for shi	inment to the design	sted receivin	
Signatures	1.1				
Generator (June Comment		experienter Title	_	2 4 Jan 14 Date
Transporter	JAME QUEZADA SE		Democe Trie		1-Jith
Receiving Facility	3. Gonzale				1-24-14

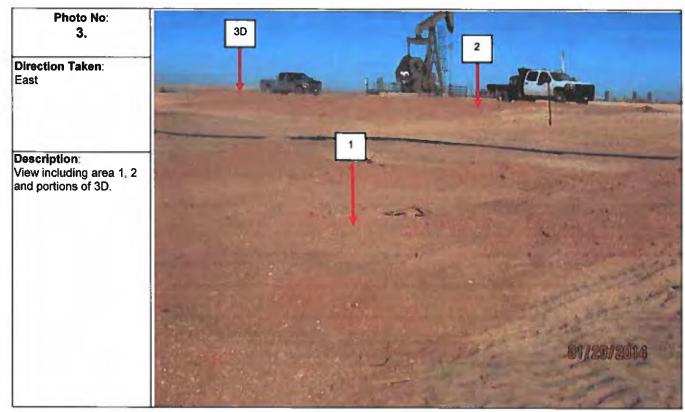
Attachment F Photographs

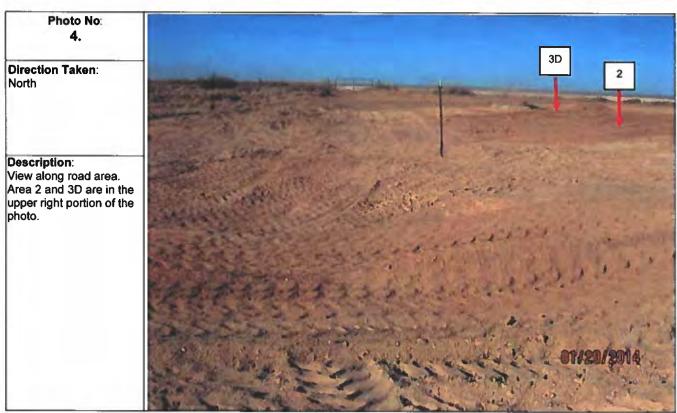
Project Name: Quail State 16 No. 3H Project No: 328-3657-001



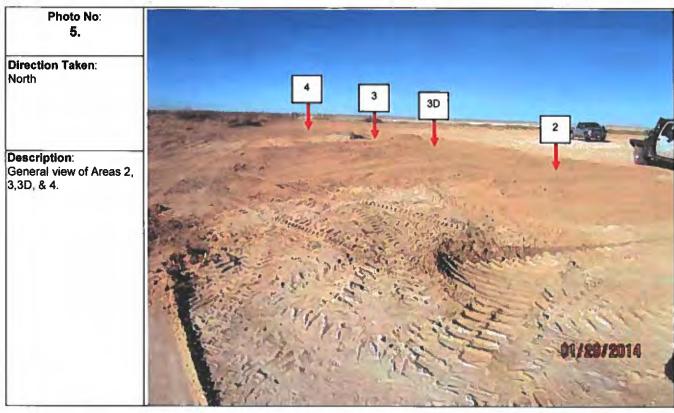


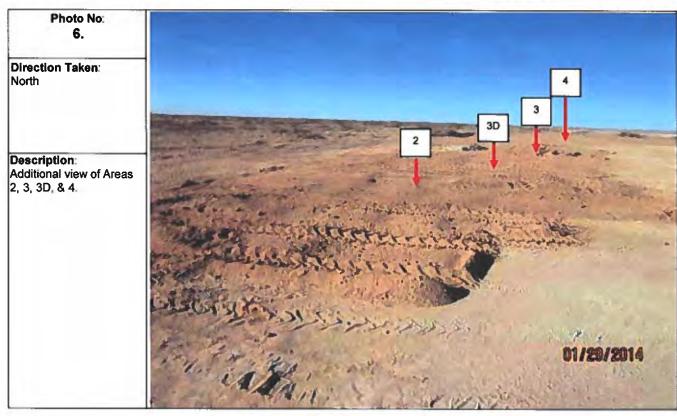
Project Name: Quail State 16 No. 3H Project No: 328-3657-001





Project Name: Quail State 16 No. 3H Project No: 328-3657-001





Project Name: Quali State 16 No. 3H Project No: 328-3657-001

