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REMEDICATION SUMMARY AND RISK-BASED SITE CLOSURE REQUEST

BOPCO, LP
Remuda Basin Unit #1 Battery
Eddy County, New Mexico
Unit Letter "P" (NE/SE), Section 24, Township 23 South, Range 29 East
Latitude 32.288041° North, Longitude 103.936333° West
NMOCD Reference # 2RP-1458

Prepared For:

BOPCO, LP
522 W. Mermod, Suite 704
Carlsbad, New Mexico 88220

Prepared By:

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June 2014

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 01 2014

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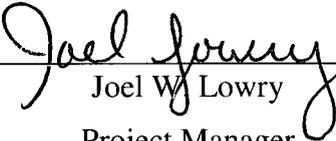

Joel W. Lowry
Project Manager

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1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary and Risk-Based Site Closure Request* for the release site known as Remuda Basin Unit #1 Battery (RBU #1 Battery). The legal description of the release site is Unit Letter "I" (NE/SE), Section 24, Township 23 South, Range 29 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.288041° North latitude and 103.936333° West longitude. The property affected by the release is owned by the State of New Mexico and administered by the New Mexico State Land Office (NMSLO). A "Site Location Map" is provided as Figure 1.

On November 26, 2012, during a routine inspection, BOPCO discovered a produced water transport truck illegally dumped an unknown volume of produced water on the well pad at the Remuda Basin Unit #1 tank battery. The New Mexico Oil Conservation Division (NMOCD)-Artesia District Office was notified immediately upon discovery. The "Release Notification and Corrective Action" (Form C-141) indicated the release affected the well pad, adjacent pasture land and a historic drilling reserve pit north of the well pad. The Form C-141 is provided as Appendix A. General photographs of the release site are provided as Appendix B.

The release site is located atop a small hill composed of interbedded gypsum, limestone, siltstone and clay.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 24, Township 23 South, Range 29 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately sixty (60) to seventy feet (70') below ground surface (bgs). Based on the NMOCD ranking system, ten (10) points will be assigned to the site as a result of this criterion.

There is one (1) water well located approximately one hundred and forty feet (140') to the west (cross-gradient) of the release site. Based on the NMOCD ranking system, twenty (20) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within one thousand (1,000) feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the RBU #1 Battery release site has an initial ranking score of thirty (30) points. The soil remediation levels for a site with a ranking score of greater than nineteen (>19) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- Benzene, ethylbenzene, toluene and xylene (BTEX) – 50 mg/Kg (ppm)
- Total petroleum hydrocarbon (TPH) – 100 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On March 7, 2014, Basin began excavating impacted soil from the northern portion of the well pad. The floor of the excavation was advanced to approximately four feet (4') bgs before layers of gypsum and limestone became overly burdensome. The excavation sidewalls were advanced until concentrations of BTEX, TPH and chloride were less than NMOCD regulatory standards. During the excavation of impacted material, it became apparent the most recent release comingled with other illegal dumps and the adjacent historic reserve pit located north of the well pad.

On March 14, 2014, six (6) soil samples (WSW @ 3', SSW #1 @ 4', Floor #1 @ 4', Floor #2 @ 4', Floor #3 @ 4' and Floor #4 @ 4') were collected from the floor and sidewalls of the excavated area in the northern portion of the release site and submitted to Cardinal Laboratories, of Hobbs, New Mexico, for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 1,500 ppm for soil sample Floor #2 @ 4' to 4,400 ppm for soil sample Floor #1 @ 4'. In addition, one (1) 5-point composite soil sample (stockpile) was collected from the stockpiled material for analysis of chloride concentrations which were determined to be 5,040 ppm. A summary of "Concentrations of Benzene, BTEX, TPH and Chloride in Soil" is provided in Table 1. Laboratory analytical reports are provided as Appendix C. Sample locations are depicted on Figure 2a, "Site & Sample Location Map – Northern Portion of Release Site" and Figure 2b, "Site & Sample Location Map – Southern Portion of Release Site".

Beginning March 24, 2014, Basin conducted an environmental investigation in an effort to characterize the release and determine the vertical and horizontal extent of soil impact. During the investigation a series of test trenches were advanced on an approximate fifty-foot (50') grid and around the inferred release margins. Soil samples were collected from the trenches at approximate two-foot (2') intervals, or the deepest extent practicable given the occurrence of a resilient gypsum layer at two (2) to six feet (6') bgs across a majority the release site. Field test results from soil samples suggested soil impact above NMOCD Regulatory Standards extended to greater than four feet (4') bgs across a majority of the northern portion of the release site. Field test results indicated chloride impact extended to approximately two (2) to four feet (4') bgs across a majority of the well pad area in the southern portion of the release site. A resilient gypsum layer prevented the further advancement of the test trenches in other areas on the well pad.

On March 19, 2014, one (1) confirmation soil sample (ESW #1) was collected from the excavated area in the northern portion of the release site and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated the chloride concentration was 304 ppm.

On March 28, 2014, four (4) soil samples (NFL Sec. D Floor #3, NFL Sec. D ESW #1, NFL Sec. D ESW #2 and NFL Sec. D ESW #3) were collected from the floor and sidewalls of the excavated area in the northern portion of the release site and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged

from 32.0 for soil sample NFL Sec. D ESW #2 to 2,400 ppm for soil sample NFL Sec. D Floor #3.

In addition, eleven (11) soil samples (Sec. A WSW #3, Sec. A WSW #4, Sec. A SESW, Sec. A ESW #3, Sec. B Floor, Sec. B SSW, Sec. C Floor (Rock), Sec. C SSW, Sec. D Floor, Sec. D SSW and Sec. E Floor (Rock)) were collected from the floor and sidewalls of the excavated area in the southern portion of the release site and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 96.0 ppm for soil sample Sec. E. Floor (Rock) to 9,200 ppm for soil sample Sec. B Floor. Soil samples Sec. C Floor (Rock) and Sec. D Floor were also analyzed for concentrations of TPH, which were determined to be less than the appropriate laboratory method detection limit (MDL) for each of the submitted soil samples. Soil sample Sec. D Floor was also analyzed for concentrations of BTEX, which were determined to be less than the appropriate laboratory MDL. The floor of the excavation was advanced in the area represented by soil sample Sec. B Floor.

On April 1, 2014, NMOCD and BOPCO representatives met to discuss a path forward on the Remuda Basin Unit #1 Battery remediation project. BOPCO proposed a risk-based closure strategy to progress release site toward an NMOCD-approved closure. Within the risk-based closure strategy, it was proposed that the northern portion of the well pad be excavated to match the existing grade of the historic drilling reserve pit north of the well pad. A twenty-millimeter polyurethane liner would be installed in the floor of the environmental excavation atop soil exhibiting chloride impact above NMOCD regulatory standards and extended to the north, effectively recapping the historic drilling reserve pit. This engineering control is designed to inhibit the vertical migration of contaminants left in-situ, as well as prevent further erosion and exhumation of the historic drilling reserve pit.

On April 10, 2014, nine (9) in-situ soil samples (Sec. B #1 Floor, Sec. B #2 Floor, Sec. B #3 Floor, Sec. C #1 Floor, Sec. C #2 Floor, Sec. C #3 Floor, Sec. D #1 Floor, Sec. D #2 Floor and Sec. D #3 Floor) were collected from the floor of the excavated area in the northern portion of the release site to characterize contaminants left in-situ. Collected soil samples were submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 144 ppm for soil sample Sec. D #2 Floor to 12,600 ppm for soil sample Sec. B #1 Floor. Soil samples Sec. B #2 Floor, Sec. C #2 Floor and Sec. D #2 Floor were also analyzed for concentrations of TPH, which were determined to be less than the appropriate laboratory MDL. Soil samples Sec. C #2 Floor was also analyzed for concentrations of BTEX, which were determined to be less than the appropriate laboratory MDL.

In addition, a delineation trench (DT) was advanced in the area exhibiting the highest chloride concentration at four feet (4') bgs. During the advancement of the delineation trench, three soil samples (DT @ 6', DT @ 8' and DT @ 9') were collected and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated soil sample DT @ 6' exhibited chloride concentration of 3,440 ppm, soil sample DT @ 8' exhibited a chloride concentration of 5,440 ppm and soil sample DT @ 9' exhibited a chloride concentration of 5,840 ppm. Further advancement of the delineation trench was impracticable due to the presence of an impenetrable rock layer.

On April 16, 2014, a twenty-millimeter polyurethane liner measuring approximately one hundred (100) by two hundred and fifty feet (250') was installed in the floor of the excavated area in the northern portion of the release site. An additional section of liner measuring approximately one hundred and seventy (170') by one hundred and eighty-five feet (185') was sewn on and extended out over the historic drilling reserve pit. A one-foot (1') layer of pad sand was installed above and below the liner to maintain its integrity during backfilling activities. This engineering control was designed to inhibit the vertical migration of contaminants left in-situ, as well as prevent further erosion and exhumation of the historic drilling reserve pit. Upon installing the liner, the northern portion of the well pad was backfilled with compacted caliche and brought up to meet the grade of the existing well pad. Approximately eighteen inches (18") of topsoil was installed atop the remaining portion of the liner capping the historic drilling reserve pit. Erosion controls were installed along the northern portion of the well pad to help shed run-off to the edges of the reclaimed historic drilling reserve pit.

On April 29, 2014, two (2) confirmation soil samples (Sec. A Floor #1 and Sec. A Floor #2) were collected from the floor of the excavated area in the southern portion of the release site and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 368 ppm for soil sample Sec. A Floor #1 to 416 ppm for soil sample Sec. A Floor #2. Soil sample Sec. A Floor #2 was also analyzed for concentrations of BTEX and TPH, which were determined to be less than the appropriate laboratory MDL.

On April 30, 2014, one (1) confirmation soil sample (Sec. B Floor B) was collected from the floor of the excavated area in the southern portion of the release site and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated soil sample Sec. B Floor B exhibited a chloride concentration of 624 ppm.

On May 8, 2014, two (2) confirmation soil samples (Sec. A WSW #3b and Sec. A SSW) were collected from the excavated area in the southern portion of the release site and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 832 ppm for soil sample Sec. A SSW to 1,310 ppm for soil sample Sec. A WSW #3b. Further excavation in the area of Sec. A WSW #3b was limited due to the presence of an active natural gas pipeline.

In addition, a delineation trench (5/8 DT) was advanced in the area exhibiting the highest chloride concentration at four feet (4') bgs. During the advancement of the delineation trench, three soil samples (5/8 DT @ 5', 5/8 DT @ 7' and 5/8 DT @ 8') were collected and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated soil sample 5/8 DT @ 5' exhibited chloride concentration of 2,920 ppm, soil sample 5/8 DT @ 7' exhibited a chloride concentration of 3,320 ppm and soil sample 5/8 DT @ 8' exhibited a chloride concentration of 672 ppm.

On May 9, 2014, NMOCD and BOPCO representatives met to discuss remediation activities on the well pad at Remuda Basin Unit #1 Battery. BOPCO proposed a risk-based closure strategy to progress release site toward an NMOCD-approved closure. Within the risk-based closure strategy, it was proposed that the remaining impacted portion of the well pad be excavated to the maximum

extent practicable and a twenty-millimeter polyurethane liner be installed in the floor of the environmental excavation atop soil exhibiting chloride impact above NMOCD regulatory standards. Upon completion of remediation activities and repairing the well pad, above ground tanks associated with the Remuda Basin Unit #1 Battery will be relocated atop the risked-out portion of the well pad. A new, impervious containment will be constructed around the Remuda Basin Unit #1 Tank Battery. The containment will consist of steel walls extending approximately two feet (2') above ground surface, lined with felt, and coated with an impermeable spray-on polyurethane liner.

On May 14, 2014, a twenty-millimeter polyurethane liner measuring approximately sixty-five (65) by one hundred and thirty feet (130') was installed in the floor of the excavated area in the southern portion of the release site atop soil exhibiting chloride concentrations above NMOCD Regulatory Standards. A one-foot (1') layer of pad sand was installed above and below the liner to maintain its integrity during backfilling activities. This engineering control was designed to inhibit the vertical migration of contaminants left in-situ, as well as mitigate any future releases associated with the tank battery upon its relocation. Upon installing the liner, the excavation was backfilled with compacted caliche and graded to meet the needs of the well pad.

On June 3, 2014, two (2) soil samples (RO #1 and RO #2) were collected at four (4) to six inches (6") depth from two (2) run-off areas exiting the historic reserve pit area to the north. The soil samples were submitted to the laboratory for analysis of chloride, BTEX and TPH concentrations. Soil sample RO #1 exhibited a chloride concentration of 400 ppm, a TPH concentration of 17.3 ppm and BTEX concentrations of less than the appropriate laboratory MDL. Soil sample RO #2 exhibited a chloride concentration of 416 ppm, a TPH concentration of 10.7 ppm and BTEX concentrations of less than the appropriate laboratory MDL. Based on field observations and laboratory analytical results from the two (2) run-off areas, it was determined soil and vegetation had not been substantially affected in those areas.

The "risked-out" portion of the well pad characterized by the primary release measured approximately sixty-five feet (65') in width, one hundred and thirty feet (130') in length and four feet (4') in depth. An additional area on the well pad measuring approximately forty (40) to eighty feet (80') in width and one hundred and eighty feet (180') in length was excavated to four (4) to five and one-half feet (5.5') in depth. The northern portion of the well pad, an area measuring approximately one hundred feet (100') in width and two hundred and fifty feet (250') in length, was excavated to approximately four feet (4') bgs before installing a twenty-millimeter polyurethane liner. In addition, a historic drilling reserve pit measuring approximately one hundred and seventy feet (170') in width and one hundred and eighty-five feet (185') in length was lined and capped with approximately two feet (2') of topsoil. Affected areas outside the well pad will be reseeded in accordance with the NMSLO.

Between March 14 and May 6, 2014, approximately four thousand, four hundred and forty cubic yards (4,440 yd³) of impacted material was transported to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal. Approximately seven thousand, nine hundred and forty cubic yards (7,940 yd³) of locally purchased, non-impacted soil was hauled into the location for use as backfill and to cap the historic drilling reserve pit.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Cardinal Laboratories, Inc., in Hobbs, New Mexico, for BTEX, TPH and/or chloride analyses using the methods described below:

- BTEX concentrations in accordance with EPA Method SW-846 8021b
- TPH concentrations in accordance with EPA Method SW-846 8015M
- Chloride concentrations in accordance with EPA Method 4500 Cl-B

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Remediation activities conducted at the Remuda Basin Unit #1 Battery release site met the objectives set forth by the NMOCD. Impacted soil was excavated to the maximum extent practicable, given the presence of an impenetrable rock layer. A twenty-millimeter polyurethane liner was placed in the floor of the excavation at approximately four feet (4') bgs atop of areas exhibiting chloride concentrations above NMOCD regulatory standards. This engineering control was designed to inhibit the vertical migration of contaminants left in-situ. In addition, a drilling reserve pit adjacent to the release site was lined and capped with approximately two feet (2') of topsoil. Based on the results of confirmation soil samples and the installation of approved engineering controls, Basin recommends BOPCO provide the NMOCD Artesia District Office and the NMSLO a copy of this *Remediation Summary and Risk-Based Site Closure Request* and request the NMOCD grant site closure to the Remuda Basin Unit #1 Battery Illegal Dump release site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary and Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of BOPCO, LP. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or BOPCO, LP.

7.0 DISTRIBUTION:

Copy 1: Mike Bratcher
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FIGURES

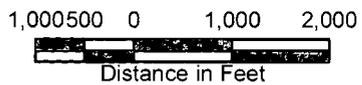
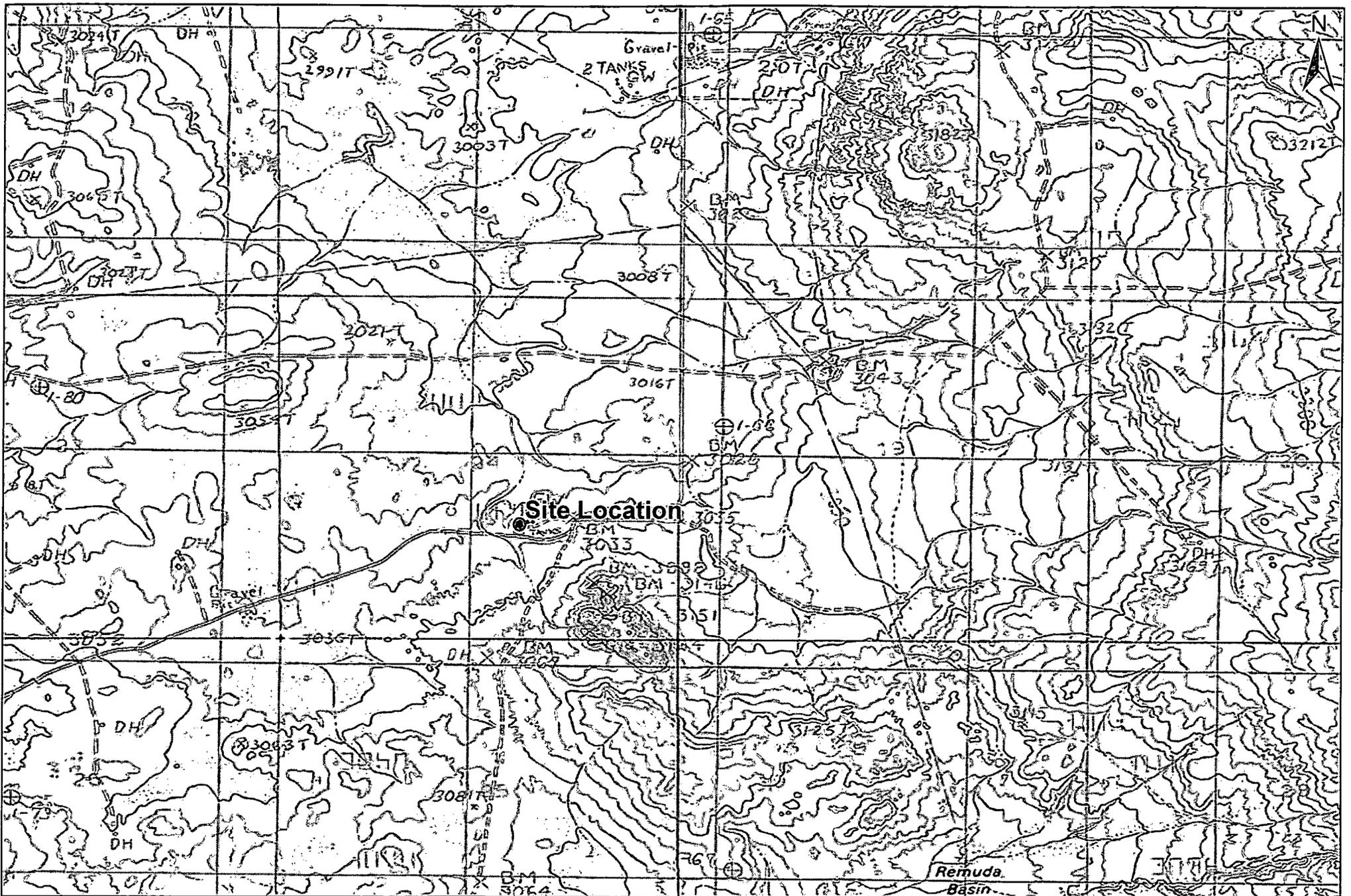
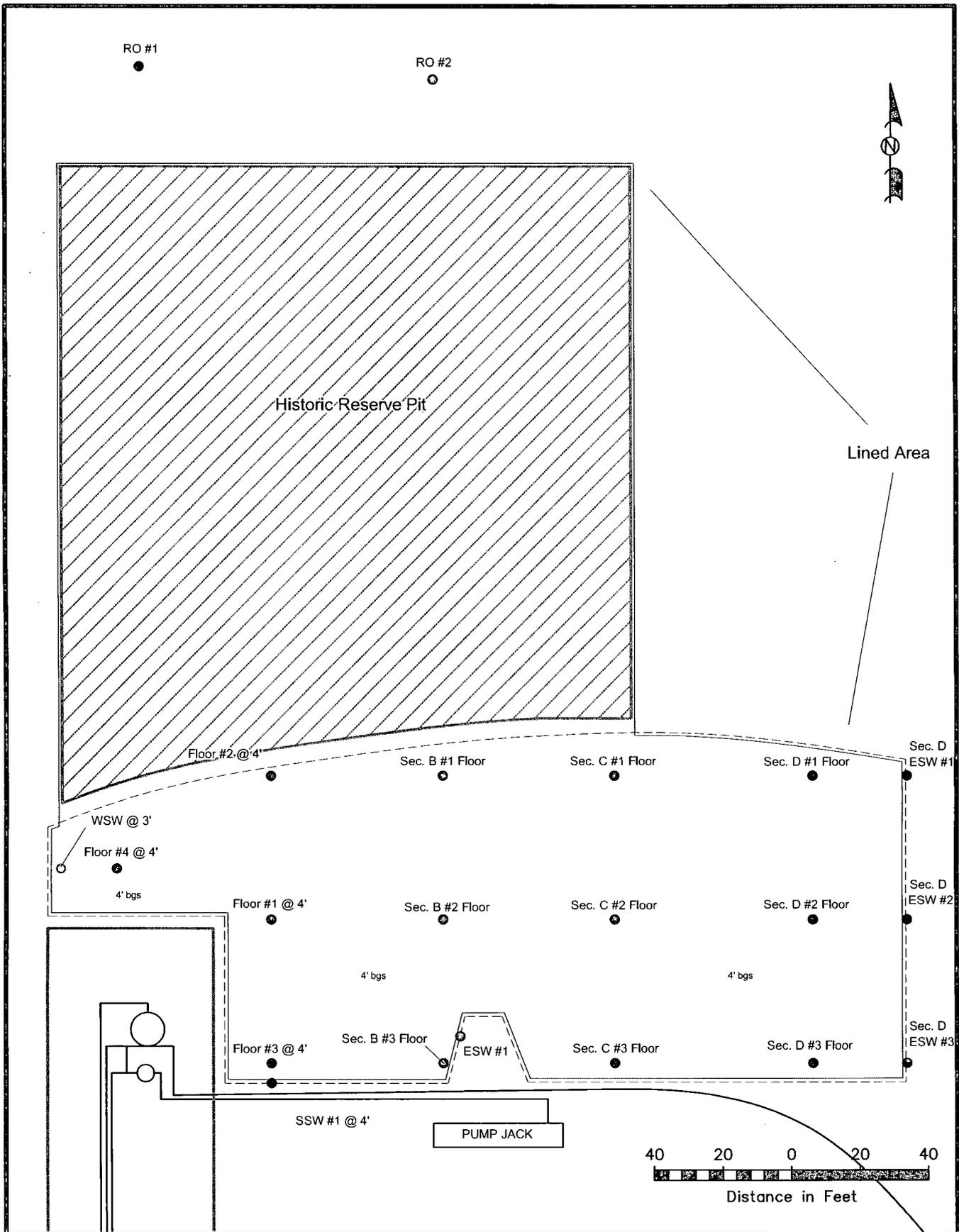


Figure 1
Site Location Map
BOPCO, LP
Remuda Basin Battery #1 Well Location
Eddy County, New Mexico
NMOCD Reference #: 2RP-1458



Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Drawn By: BJA	Checked By: BRB
March 20, 2014	Scale: 1" = 2000'



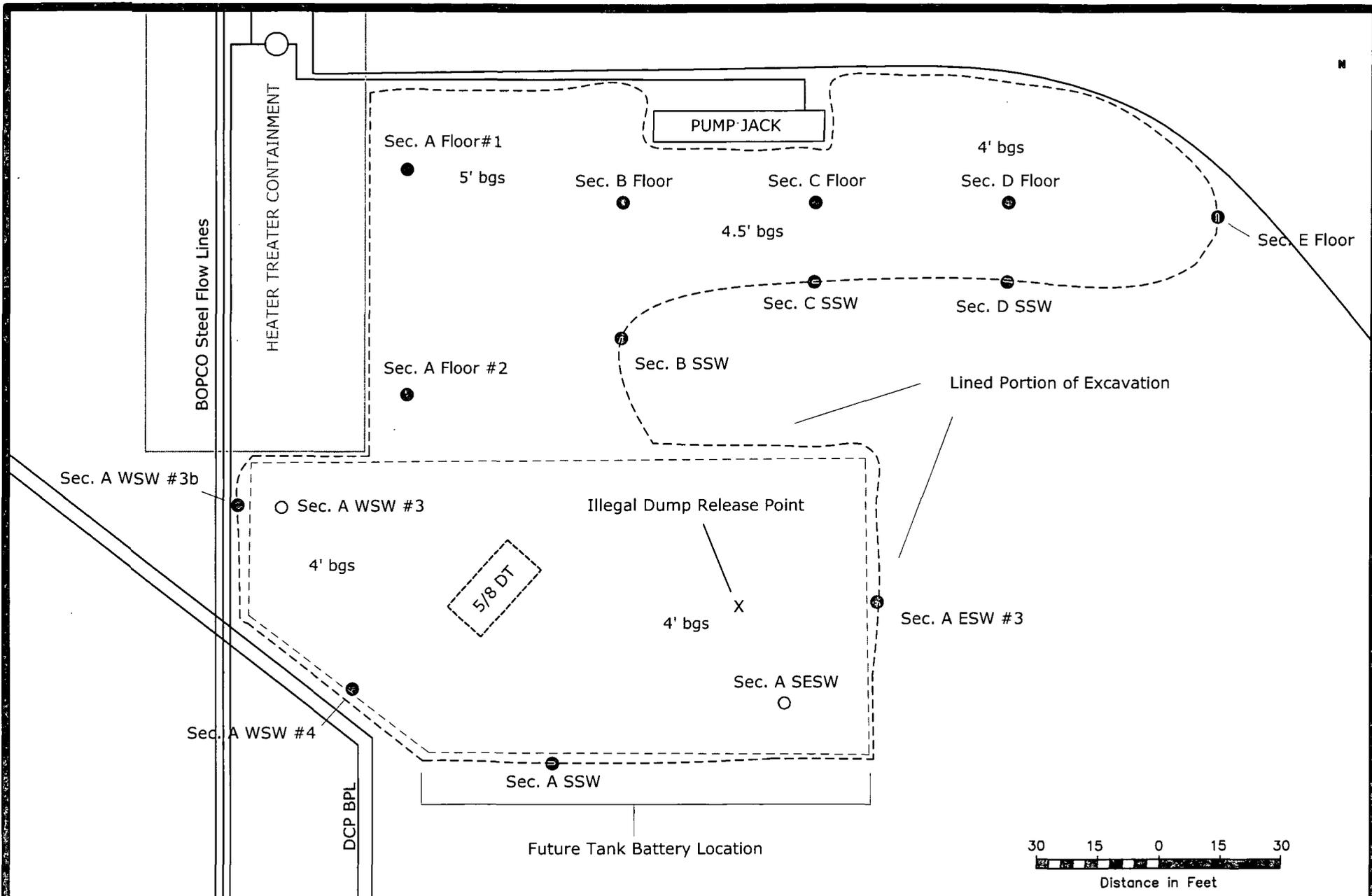
LEGEND:

	Excavation Extent		Liner Margins Reserve Pit
	Fire Wall		
	Pipeline		
	Sample Location		

Figure 2a
 Site & Sample Location Map
 Northern Portion of Release Site
 BOPCO, L.P.
 Remuda Basin Unit #1 Battery
 Eddy County, New Mexico

Basin Environmental Services

Scale: 1" = 40'	Drawn By: JWL	Prepared By: BJA
June 2, 2014		



Legend:

-----	Excavation Extent	-----	Liner Margins
=====	Fire Wall		
=====	Pipeline		
●	Sample Location		

Figure 2b
 Site & Sample Location Map
 Southern Portion of Release Site
 BOPCO, L.P.
 Remuda Basin Unit #1 Battery
 Eddy County, New Mexico

Basin Environmental Services

Prep By: JWJ	Checked By: BJA
June 23, 2014	Scale 1"=30'

TABLES

**TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**BOPCO, LP
REMUDA BASIN BATTERY #1 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-1458**

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	4500 Cl-B CHLORIDE (mg/Kg)	
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)			
WSW @ 3'	3'	3/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	2,280
SSW #1 @ 4'	4'	3/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	2,360
Floor #1 @ 4'	4'	3/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	4,400
Floor #2 @ 4'	4'	3/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	1,500
Floor #3 @ 4'	4'	3/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	1,820
Floor #4 @ 4'	4'	3/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	3,840
Stockpile	N/A	3/14/2014	Stockpiled	-	-	-	-	-	-	-	-	-	-	5,040
ESW #1	3'	3/19/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	304
NFL Sec. D Floor #3	4'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	2,400
NFL Sec. D ESW #1	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	448
NFL Sec. D ESW #2	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	32.0
NFL Sec. D ESW #3	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	80.0
Sec. A WSW #3	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	2,000
Sec. A WSW #4	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	928
Sec. A SESW	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	1,070
Sec. A ESW #3	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	560
Sec. B Floor	2'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	9,200
Sec. B SSW	3'	3/28/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-	496
Sec. C Floor (Rock)	4.5'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	224
Sec. C SSW	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	192
Sec. D Floor	4'	3/28/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	-	656
Sec. D SSW	3'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	192
Sec. E Floor (Rock)	2'	3/28/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	96.0
Sec. B #1 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	12,600
Sec. B #2 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-	6,200
Sec. B #3 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	1,000
Sec. C #1 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	4,880
Sec. C #2 Floor	4'	4/10/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	-	3,360
Sec. C #3 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	1,200
Sec. D #1 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	720
Sec. D #2 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-	144
Sec. D #3 Floor	4'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	1,260
D.T. @ 6'	6'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	3,440
D.T. @ 8'	8'	4/10/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	5,440
D.T. @ 9'	9'	4/10/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	-	5,840
Sec. A Floor #1	5'	4/29/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	368
Sec. A Floor #2	5.5'	4/29/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	-	416
Sec. B Floor B	4'	4/30/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	624
5/8 DT @ 5'	5'	5/8/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	2,920
5/8 DT @ 7'	7'	5/8/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	3,320
5/8 DT @ 8'	8'	5/8/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	672
Sec. A WSW #3b	3'	5/8/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	1,310
Sec. A SSW	3'	5/8/2014	In-Situ	-	-	-	-	-	-	-	-	-	-	832
RO #1	4"-6"	6/3/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.3	<10.0	17.3	-	400
RO #2	4"-6"	6/3/2014	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.7	<10.0	10.7	-	416
NMOCD Criteria				10				50				100		1,000

- = Not analyzed.

APPENDICES

Appendix A
Release Notification and Corrective Action
(Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

nJMW 1235332604

OPERATOR Initial Report Final Report

Name of Company: BOPCO, L.P. <i>260737</i>	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: Remuda Basin Battery #1 Well Location	Facility Type: Exploration and Production
Surface Owner: State of N.M.	Mineral Owner: State of N.M.
API No. 30-015-03691	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	24	23S	29E					Eddy

Latitude: N 32.288041 Longitude: W 103.936333

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Unknown truck unauthorized release	Date and Hour of Occurrence: Date and hour unknown	Date and Hour of Discovery: 11/26/12 8:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD emergency #104	
By Whom? Tony Savoie	Date and Hour 11/26/12 at 10:22 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*	<div style="border: 2px solid black; padding: 5px; text-align: center;"> RECEIVED DEC 17 2012 NMOCD ARTESIA </div>	
Describe Cause of Problem and Remedial Action Taken.* The spill was caused by an un-authorized release on the well pad location.		
Describe Area Affected and Cleanup Action Taken.* Well pad location, drilling reserve pit, and pasture land. No clean has been initiated pending investigation at the site. The affected area in the pasture will be remediated in accordance to the NMOCD guidelines.		

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

OIL CONSERVATION DIVISION

Signature: <i>Tony Savoie</i>	Approved by Environmental Specialist: Signed By <i>Mike Brannon</i>	
Printed Name: Tony Savoie	Approval Date: DEC 18 2012	Expiration Date:
Title: Waste Management and Remediation Specialist	Conditions of Approval:	
E-mail Address: <i>tasavoie@basspet.com</i>	Attached <input type="checkbox"/>	
Date: 12/17/12	Phone: 432-556-8730	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: January 18th, 2013**

2RP-1458

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: BOPCO, L.P.	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: Remuda Basin Battery #1 (2RP-1458)	Facility Type: Exploration and Production
Surface Owner: Federal	Mineral Owner: Federal
API No. 30-015-03691	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
I	24	23S	29E					

Latitude N 32.288041 Longitude W 103.936333

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Unknown truck unauthorized release	Date and Hour of Occurrence: Date and hour unknown	Date and Hour of Discovery: 11/26/12 8:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD emergency #104	
By Whom? Tony Savoie	Date and Hour: 11/26/12 at 10:22 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

NM OIL CONSERVATION
ARTESIA DISTRICT

Describe Cause of Problem and Remedial Action Taken.*
The spill was caused by an un-authorized release on the well pad location.

JUL 01 2014

Describe Area Affected and Cleanup Action Taken.*

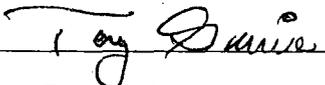
RECEIVED

Well pad location, drilling reserve pit, and pasture land. No cleanup has been initiate pending investigation at the site. The affected area in the pasture will be remediated in accordance to the NMOCD Guidelines.

Approximately 4,440 cu. yds of impacted soil was excavated from the affected well pad location. Impacted soil was hauled to an NMOCD-approved disposal facility. During the remediation of the affected well pad, a historic drilling reserve pit north of the release site was also reclaimed. **Please reference the attached Remediation Summary and Risk-Based Site Closure Request for detail of Remediation Activities.**

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

OIL CONSERVATION DIVISION

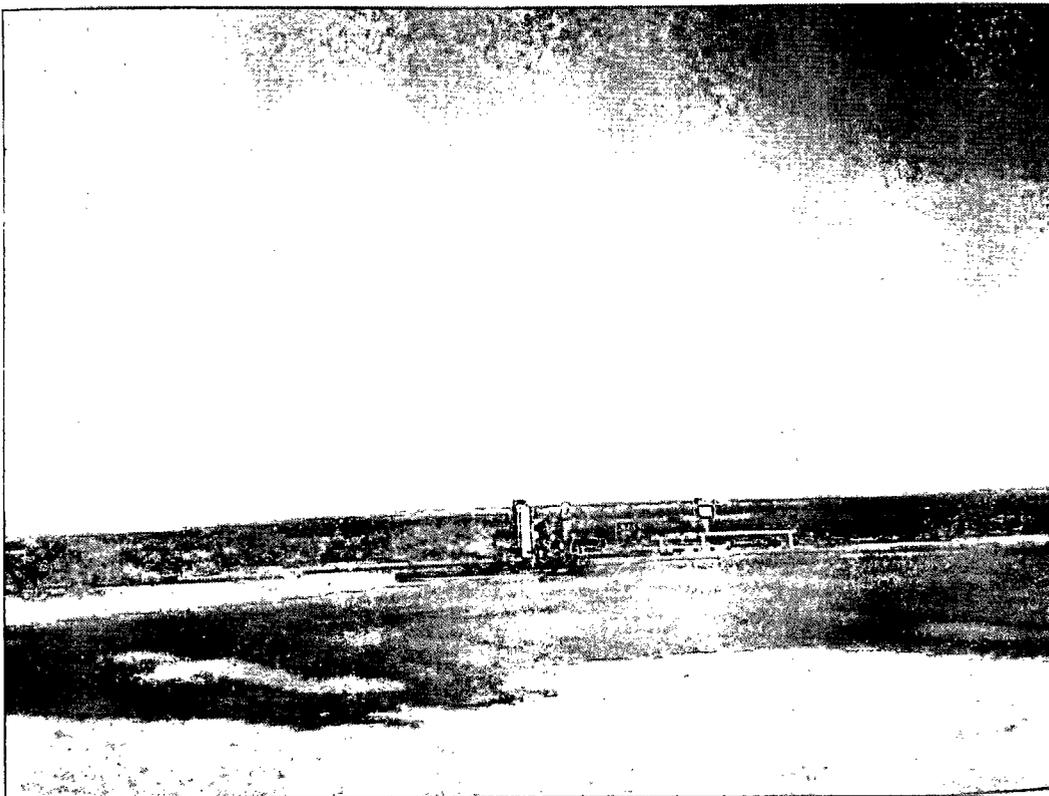
Signature: 	Approved by Environmental Specialist:	
Printed Name: Tony Savoie	Approval Date:	Expiration Date:
Title: Waste Management and Remediation Specialist	Conditions of Approval:	
E-mail Address: tasavoie@basspet.com	Attached <input type="checkbox"/>	
Date: 4/9/14 7/1/14	Phone: 432-556-8730	

* Attach Additional Sheets If Necessary

Appendix B
Photographs



Photograph of the illegal dump at the Remuda Basin Unit #1 Battery.



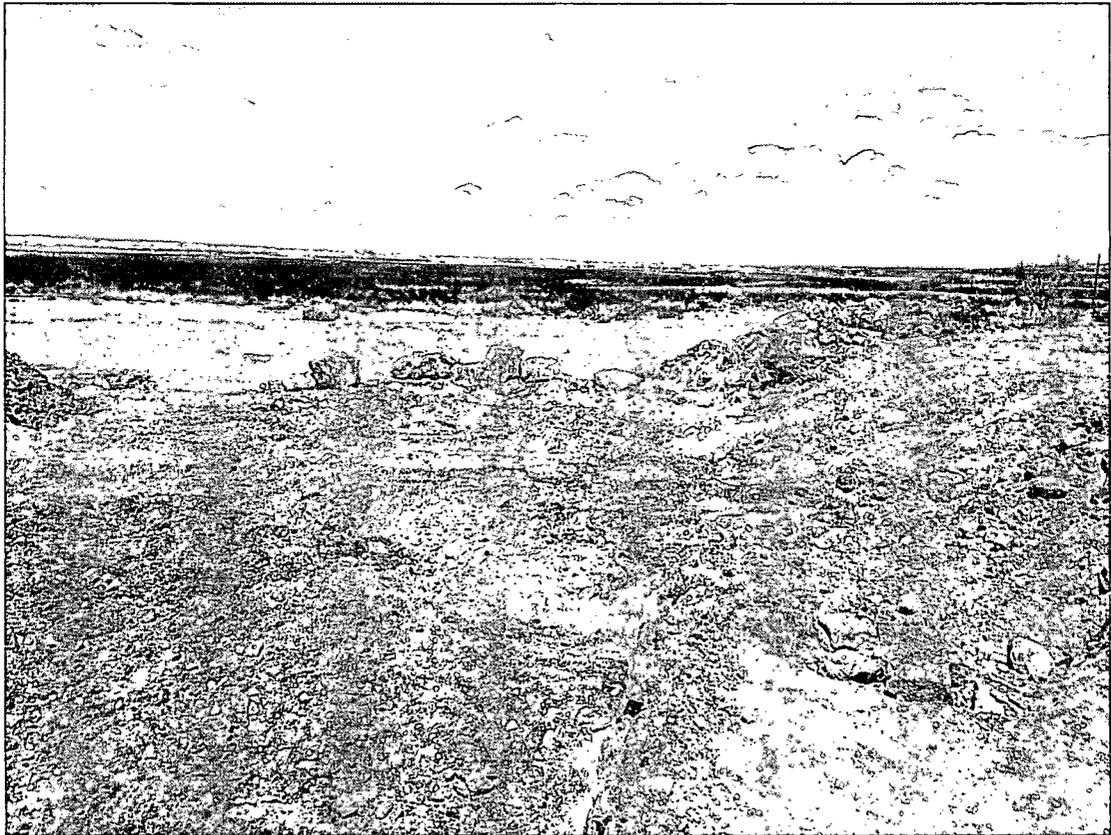
Photograph of the illegal dump at the Remuda Basin Unit #1 Battery.



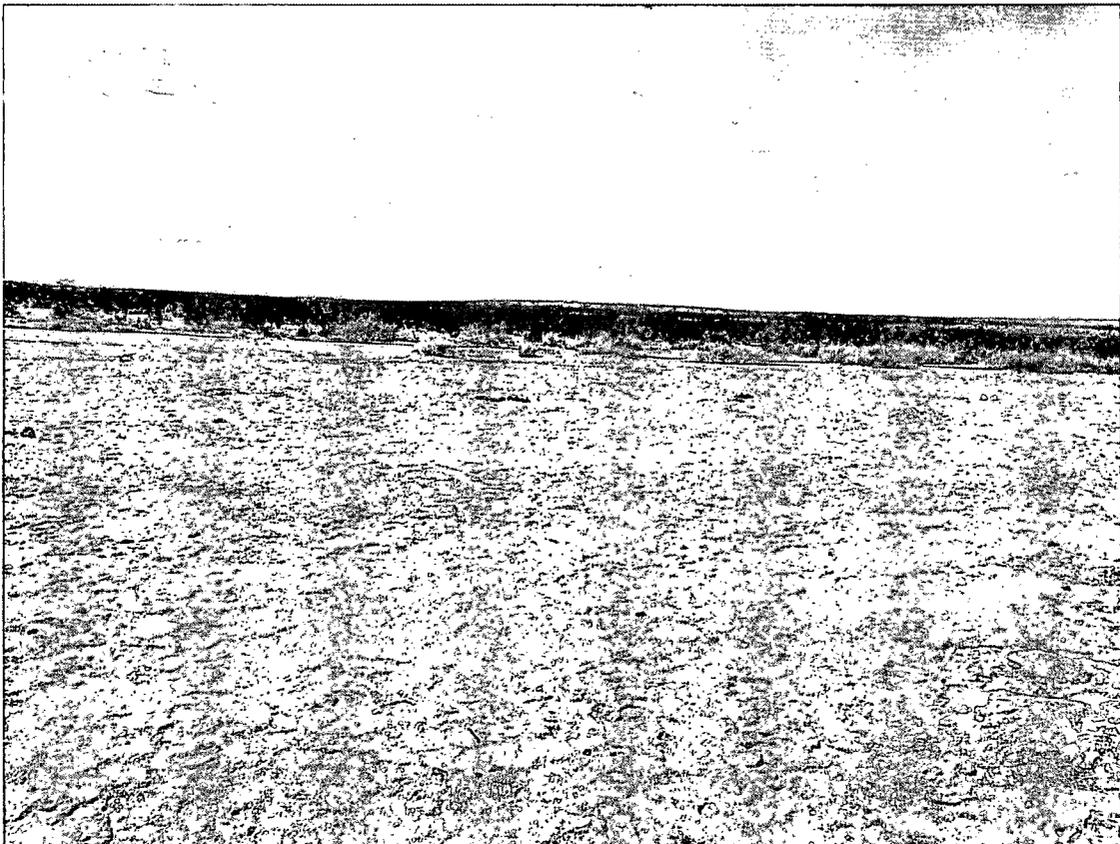
Photograph of the excavated area on the northern portion of the well pad taken from the edge of the drilling reserve pit. (Looking South)



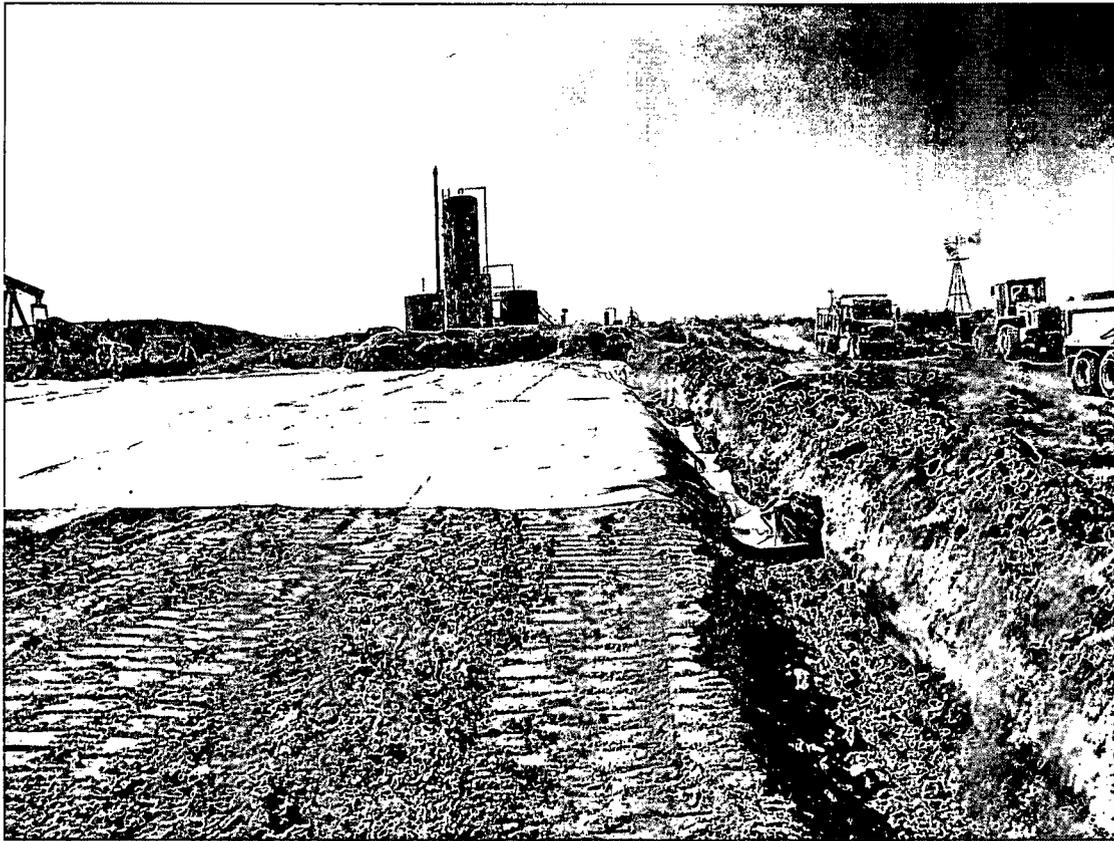
Photograph of the excavated area on the northern portion of the well pad. (Looking West)



Photograph of the excavated area on the northern portion of the well pad looking over the drilling reserve pit. (Looking North)



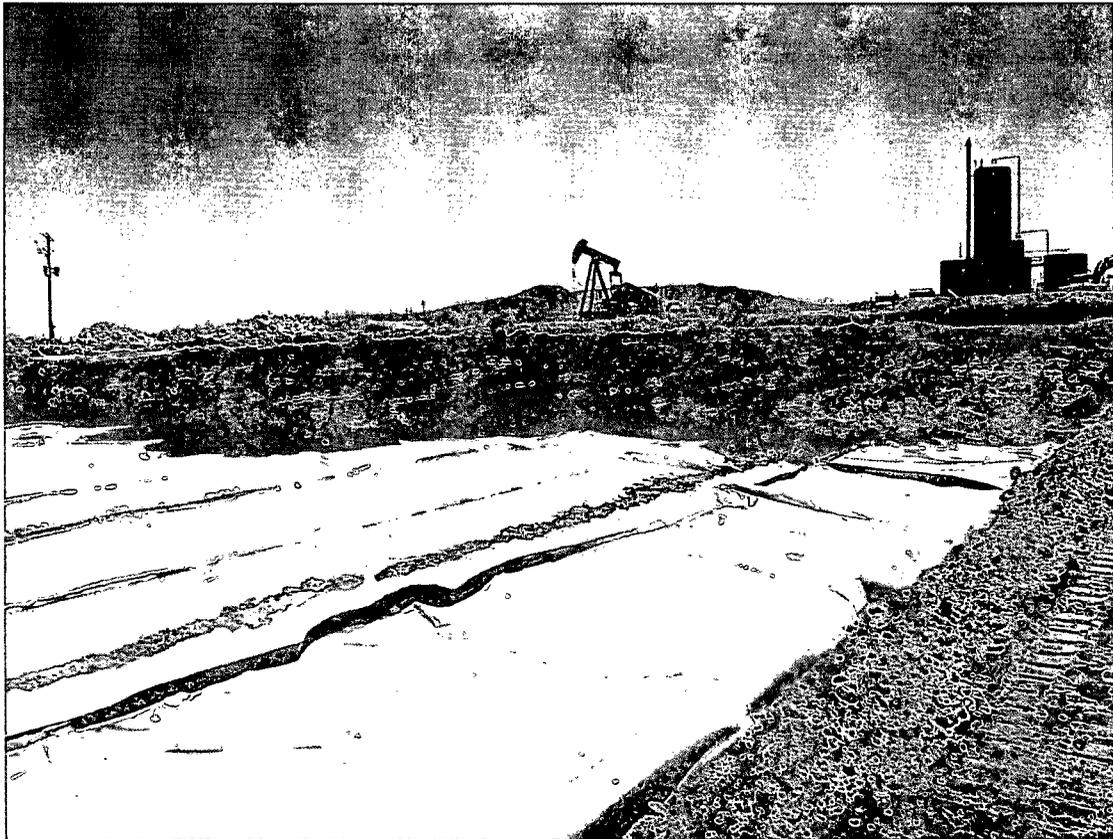
Photograph of the drilling reserve pit and exposed liner. (Looking West)



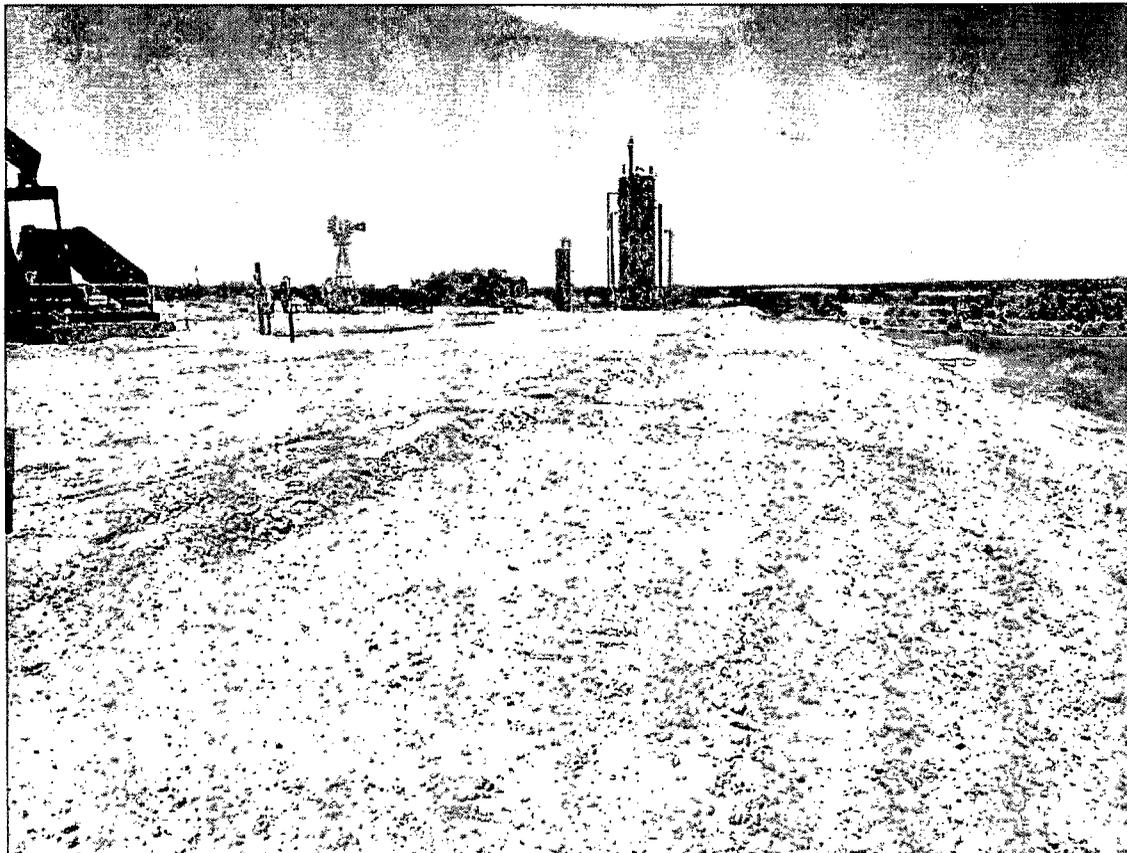
Photograph of the installation of 20-mil polyurethane liner cap atop historic drilling reserve pit. (Looking North)



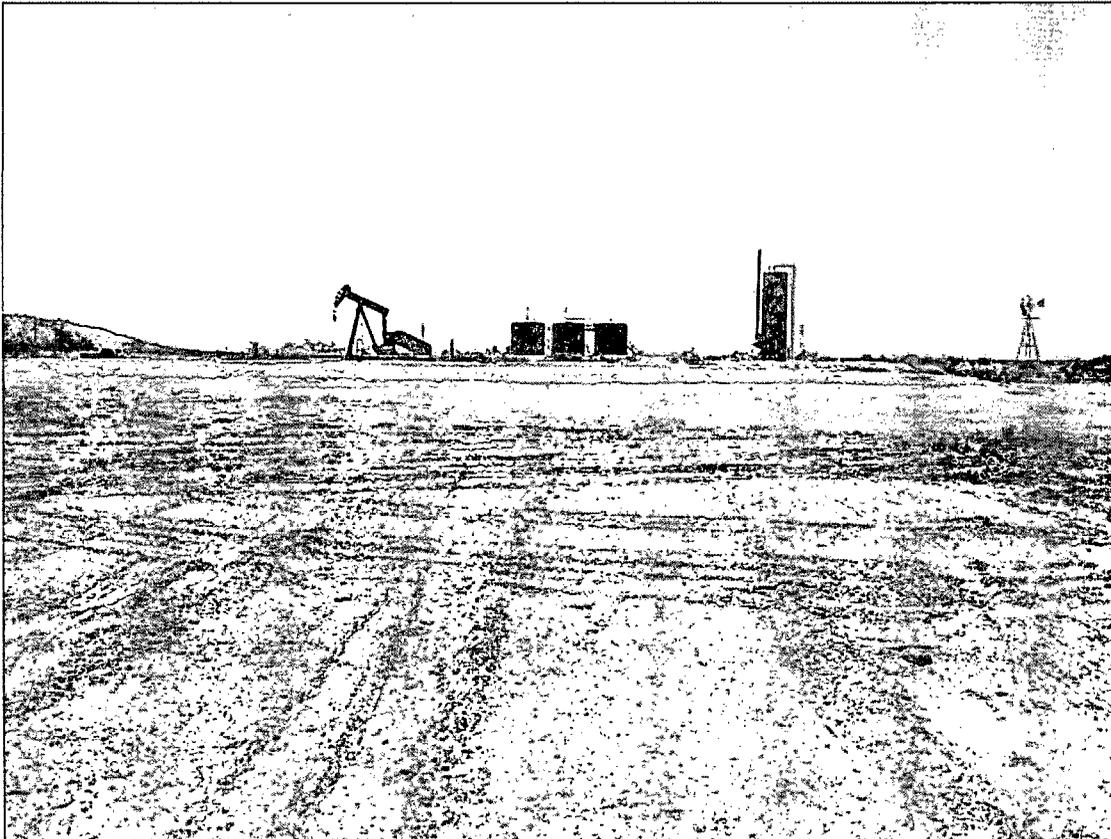
Photograph of 20-mil polyurethane liner cap installed on top of historic drilling reserve pit. (Looking East)



Photograph of 20-mil polyurethane liner cap and layer of top soil installed on top of historic drilling reserve pit. (Looking Southeast)



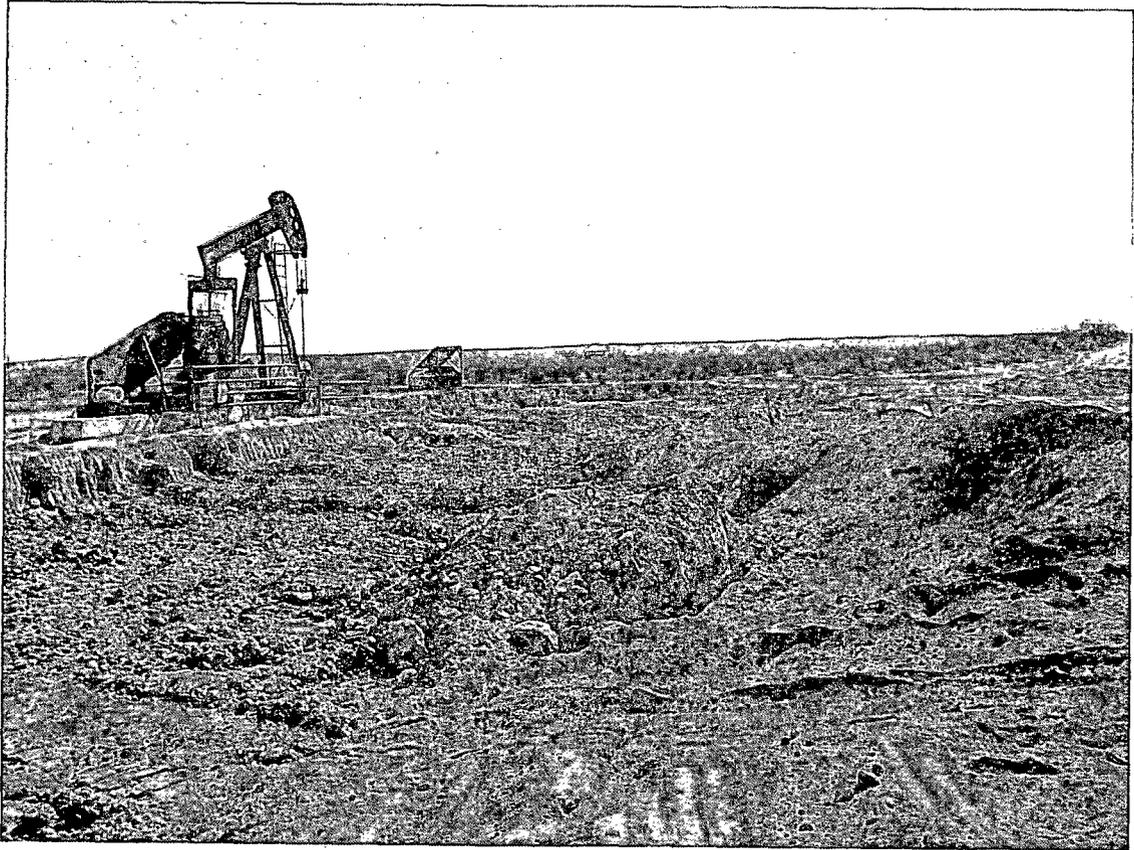
Photograph of the northern edge of the well pad meeting the recapped drilling reserve pit. (Looking West)



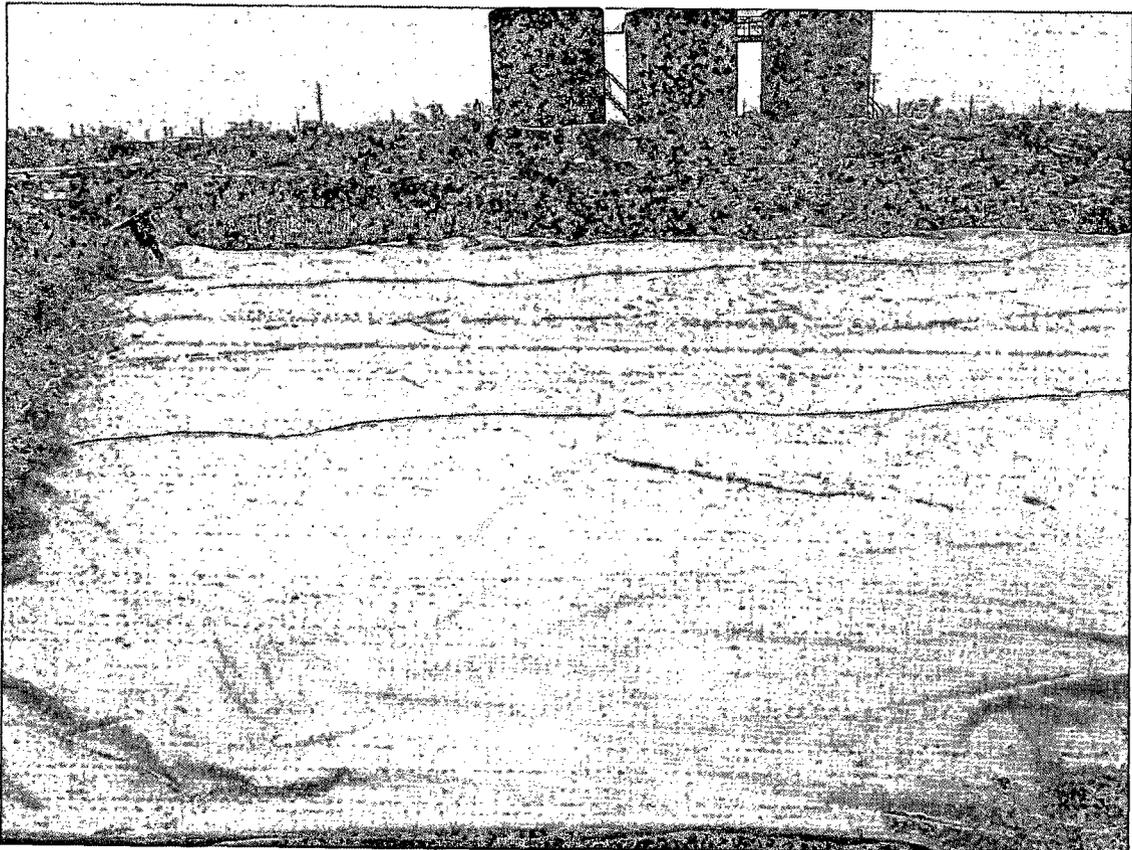
Photograph taken from the northern edge of the recapped reserve pit looking toward the well pad. (Looking North)



Photograph of the excavated area and delineation trench in the southern portion of the well pad. (Looking Southwest)



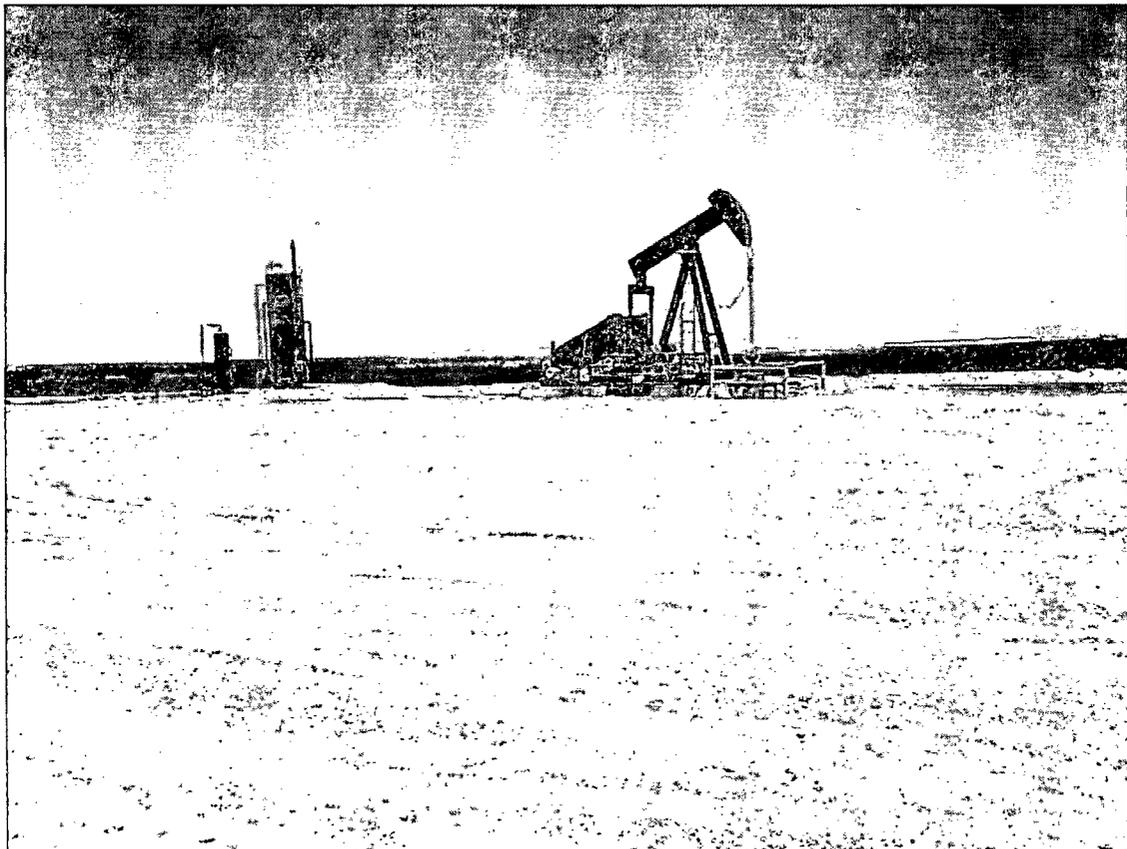
Photograph of the excavated area in the southern portion of the well pad. (Looking Northeast)



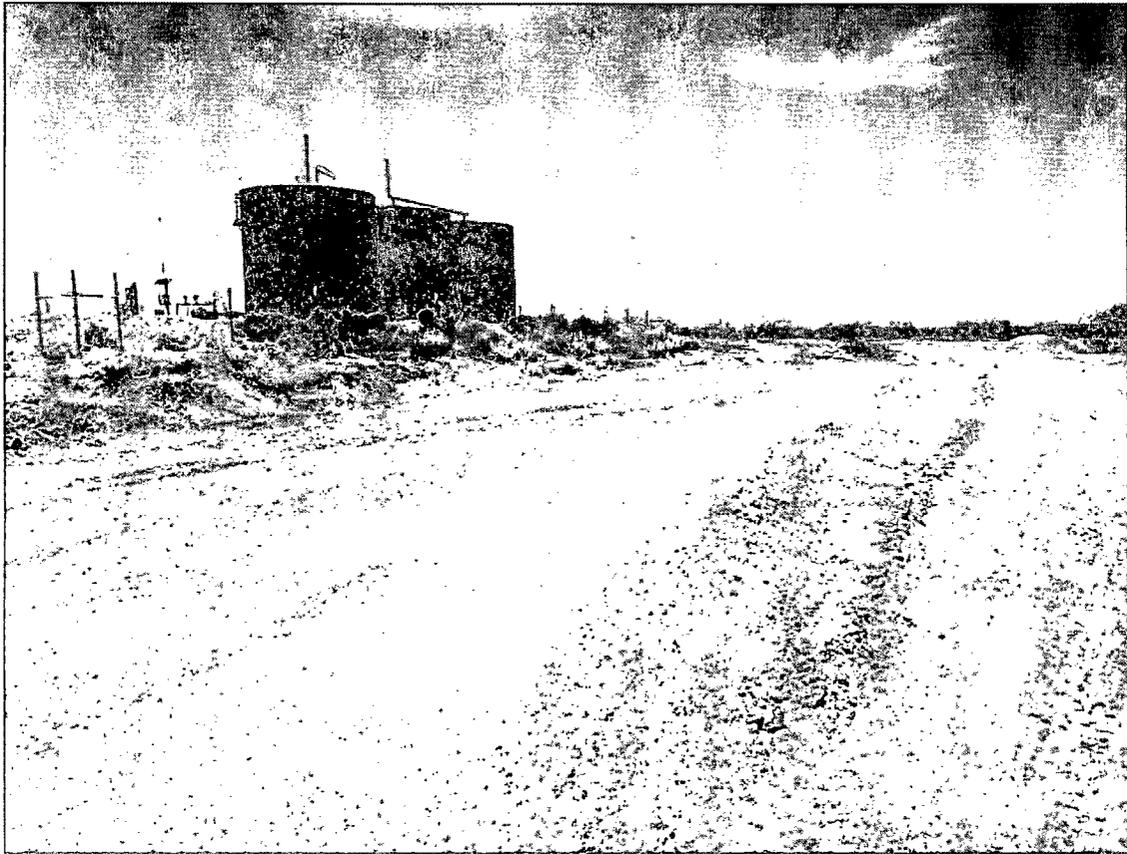
Photograph of the installation of a 20-mil polyurethane liner in the floor of the excavation in the southern portion of the well pad (Looking South)



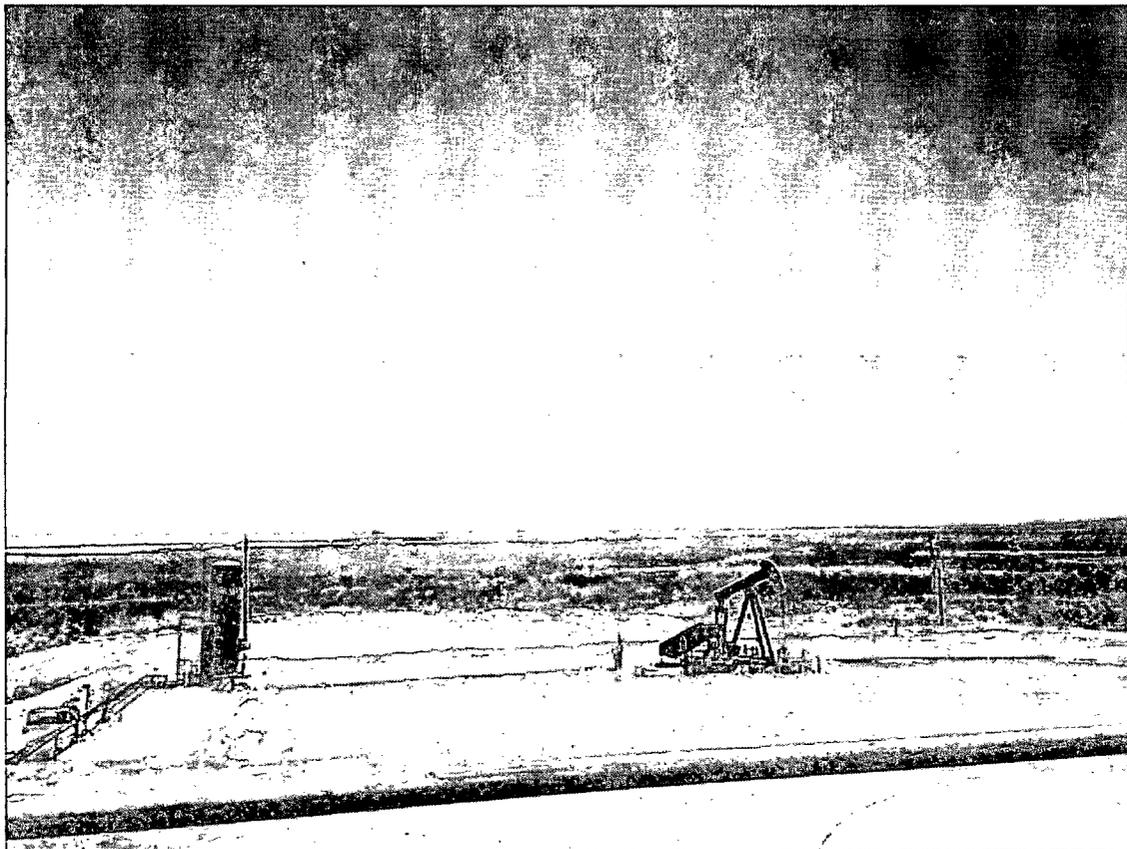
Photograph of the installation of pad sand atop the polyurethane liner in the southern portion of the well pad (Looking Northeast)



Photograph of the Remuda Basin Unit #1 Tank Battery after remediation activities. (Looking Northwest)



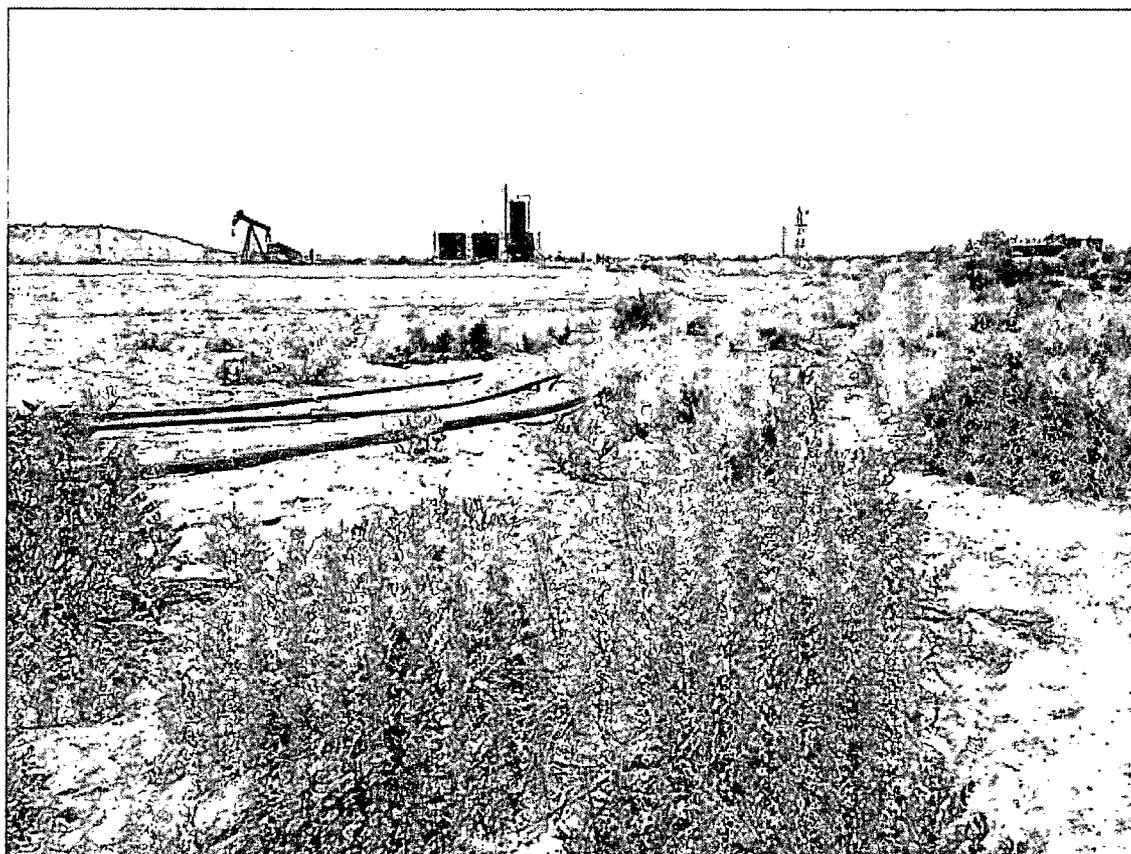
Photograph of the remediated well pad and future tank battery location at the Remuda Basin Unit #1 Tank Battery. (Looking West)



Photograph of the remediated well pad looking out over the recapped drilling reserve pit. (Looking North)



Photograph of the inferred affected run-off area exiting the historic drilling reserve pit at Remuda Basin Unit #1 Tank Battery. (Looking North)



Photograph of the inferred affected run-off area exiting the historic drilling reserve pit at Remuda Basin Unit #1 Tank Battery. (Looking South)

Appendix C
Laboratory Analytical Reports

March 17, 2014

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/14/14 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/14/2014	Sampling Date:	03/14/2014
Reported:	03/17/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: STOCKPILE (H400787-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	03/17/2014	ND	448	112	400	7.41		

Sample ID: FLOOR #1 @ 4' (H400787-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	03/17/2014	ND	448	112	400	7.41		

Sample ID: FLOOR #2 @ 4' (H400787-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	03/17/2014	ND	448	112	400	7.41		

Sample ID: WSW @ 3' (H400787-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	03/17/2014	ND	448	112	400	7.41		

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 analyses. All claims, including those for negligence and 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 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 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. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/14/2014	Sampling Date:	03/14/2014
Reported:	03/17/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SSW #1 @ 4' (H400787-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	03/17/2014	ND	448	112	400	7.41		

Sample ID: FLOOR #3 @ 4' (H400787-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1820	16.0	03/17/2014	ND	448	112	400	7.41		

Sample ID: FLOOR #4 @ 4' (H400787-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	03/17/2014	ND	448	112	400	7.41		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

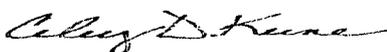
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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 analyses. All claims, including those for negligence and 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 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 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.



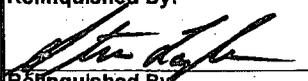
Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Basin</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Ben</u>		P.O. #: <u>Bopeco</u>													
Address:		Company:													
City: <u>L</u>	State:	Zip:	Attn:												
Phone #:	Fax #:	Address:													
Project #: <u>Remuda Basin with Basin Project</u>		City:													
Project Name:		State: Zip:													
Project Location:		Phone #:													
Sampler Name:		Fax #:													
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS							MATRIX			PRESERV.	SAMPLING	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	
<u>H400787</u>															
<u>1</u>	<u>Stockpile</u>												<u>3/14/14</u>	<u>11:00</u>	
<u>2</u>	<u>Floor #2 @ 4'</u>													<u>12:00</u>	
<u>3</u>	<u>Floor #2 @ 4'</u>													<u>12:45</u>	
<u>4</u>	<u>WSW @ 3'</u>													<u>1:00</u>	
<u>5</u>	<u>SSW #2 @ 4'</u>													<u>1:15</u>	
<u>6</u>	<u>Floor #3 @ 4'</u>													<u>1:30</u>	
<u>7</u>	<u>Floor #4 @ 4'</u>													<u>1:45</u>	

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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 	Date: <u>3/14/14</u>	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <u>4:20</u>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Date:	Time:	REMARKS: <u>Tony, Jody, Ben</u> <u>RUSH?!</u>	
Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: 			

#54

March 26, 2014

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/20/14 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/20/2014	Sampling Date:	03/19/2014
Reported:	03/26/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: ESW #1 (H400850-01)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/26/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

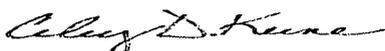
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC				BILL TO				ANALYSIS REQUEST																						
Project Manager: Ben Arguijo				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																						
Address: P.O. Box 301				Company: BOPCO, LP																										
City: Lovington		State: NM		Zip: 88260		Attn: Tony Savole																								
Phone #: (575)396-2378		Fax #: (575)396-1429		Address: 522 W. Marland																										
Project #:		Project Owner: BOPCO, LP		City: Carlsbad																										
Project Name: Remuda Basin Unit #1 Battery				State: NM																Zip: 88220										
Project Location: Eddy Co., NM				Phone #: (432)556-8730																										
Sampler Name: Steve Taylor				Fax #:																										
FOR LAB USE ONLY																														
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING																		
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE		TIME													
H400650		ESW #1		G	1			X				X		3/19/14		1500		X												

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's Section 106 remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Steve Taylor</i>		Date: 3/19/14		Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 1645				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: <i>[Signature]</i>		Date: 3/20/14		Received By: <i>[Signature]</i>		REMARKS:			
		Time: 0745							
Delivered By: (Circle One) <i>[Signature]</i>		Sample Condition		CHECKED BY: <i>[Signature]</i>		Please email results to bjarguijo@basinenv.com, TASavoie@BassPet.com & SJWalters@BassPet.com			
Sampler <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus - Other: <input type="checkbox"/>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		(Initials)					
FORM-006		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No					

April 04, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/31/14 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/31/2014	Sampling Date:	03/28/2014
Reported:	04/04/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. A WSW #3 (H400956-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: SEC. A WSW #4 (H400956-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: SEC. A SESW (H400956-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: SEC. A ESW #3 (H400956-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	04/03/2014	ND	416	104	400	0.00		

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/31/2014	Sampling Date:	03/28/2014
Reported:	04/04/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. B FLOOR (H400956-05)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9200	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: SEC. B SSW (H400956-06)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	04/03/2014	ND	416	104	400	0.00		
TPH 8015M	mg/kg	Analyzed By: ms								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

GRO C6-C10	<10.0	10.0	04/02/2014	ND	187	93.4	200	1.94	
DRO >C10-C28	<10.0	10.0	04/02/2014	ND	216	108	200	2.56	
EXT DRO >C28-C35	<10.0	10.0	04/02/2014	ND					

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

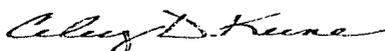
Sample ID: SEC. C FLOOR (ROCK) (H400956-07)

Chloride, SM4500CI-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/03/2014	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/31/2014	Sampling Date:	03/28/2014
Reported:	04/04/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

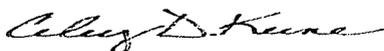
Sample ID: SEC. C SSW (H400956-08)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/03/2014	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 03/31/2014
 Reported: 04/04/2014
 Project Name: REMUDA BASIN UNIT #1 BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/28/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SEC. D FLOOR (H400956-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2014	ND	2.64	132	2.00	4.76		
Toluene*	<0.050	0.050	04/02/2014	ND	2.55	128	2.00	5.08		
Ethylbenzene*	<0.050	0.050	04/02/2014	ND	2.51	126	2.00	4.96		
Total Xylenes*	<0.150	0.150	04/02/2014	ND	7.31	122	6.00	5.65		
Total BTEX	<0.300	0.300	04/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	04/03/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/02/2014	ND	187	93.4	200	1.94		
DRO >C10-C28	<10.0	10.0	04/02/2014	ND	216	108	200	2.56		
EXT DRO >C28-C35	<10.0	10.0	04/02/2014	ND						

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/31/2014	Sampling Date:	03/28/2014
Reported:	04/04/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. D SSW (H400956-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: SEC. E FLOOR (ROCK) (H400956-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: NFL SEC. D FLOOR #3 (H400956-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: NFL SEC. D ESW #1 (H400956-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/03/2014	ND	416	104	400	0.00		

Sample ID: NFL SEC. D ESW #2 (H400956-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/03/2014	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	03/31/2014	Sampling Date:	03/28/2014
Reported:	04/04/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: NFL SEC. D ESW #3 (H400956-15)

Chloride, SM4500Cl-B

mg/kg

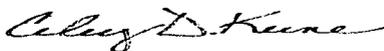
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/03/2014	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



April 23, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/15/14 10:30.

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 accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/15/2014	Sampling Date:	04/10/2014
Reported:	04/23/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. B #1 FLOOR (H401131-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	04/17/2014	ND	416	104	400	3.77		

Sample ID: SEC. B #2 FLOOR (H401131-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6200	16.0	04/17/2014	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/16/2014	ND	192	96.2	200	3.12		
DRO >C10-C28	<10.0	10.0	04/16/2014	ND	210	105	200	2.25		
EXT DRO >C28-C35	<10.0	10.0	04/16/2014	ND						

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

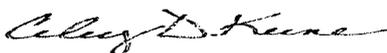
Sample ID: SEC. B #3 FLOOR (H401131-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1000	16.0	04/17/2014	ND	416	104	400	3.77		

Cardinal Laboratories

*= Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/15/2014	Sampling Date:	04/10/2014
Reported:	04/23/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

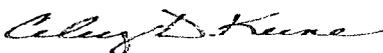
Sample ID: SEC. C #1 FLOOR (H401131-04)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	04/17/2014	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/15/2014	Sampling Date:	04/10/2014
Reported:	04/23/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. C #2 FLOOR (H401131-05)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2014	ND	2.68	134	2.00	12.6		
Toluene*	<0.050	0.050	04/17/2014	ND	2.55	127	2.00	13.1		
Ethylbenzene*	<0.050	0.050	04/17/2014	ND	2.53	126	2.00	14.0		
Total Xylenes*	<0.150	0.150	04/17/2014	ND	7.29	122	6.00	13.9		
Total BTEX	<0.300	0.300	04/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 117 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	04/17/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/16/2014	ND	192	96.2	200	3.12		
DRO >C10-C28	<10.0	10.0	04/16/2014	ND	210	105	200	2.25		
EXT DRO >C28-C35	<10.0	10.0	04/16/2014	ND						

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/15/2014	Sampling Date:	04/10/2014
Reported:	04/23/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. C #3 FLOOR (H401131-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	04/17/2014	ND	416	104	400	3.77		

Sample ID: SEC. D #1 FLOOR (H401131-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	04/16/2014	ND	400	100	400	3.92		

Sample ID: SEC. D #2 FLOOR (H401131-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/16/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/16/2014	ND	192	96.2	200	3.12		
DRO >C10-C28	<10.0	10.0	04/16/2014	ND	210	105	200	2.25		
EXT DRO >C28-C35	<10.0	10.0	04/16/2014	ND						

Surrogate: 1-Chlorooctane 99.7 % 65.2-140
 Surrogate: 1-Chlorooctadecane 94.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/15/2014	Sampling Date:	04/10/2014
Reported:	04/23/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. D #3 FLOOR (H401131-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	04/16/2014	ND	400	100	400	3.92		

Sample ID: D. T. @ 6' (H401131-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	04/17/2014	ND	416	104	400	3.77		

Sample ID: D. T. @ 8' (H401131-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	04/17/2014	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/15/2014	Sampling Date:	04/10/2014
Reported:	04/23/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: D. T. @ 9' (H401131-12)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2014	ND	2.68	134	2.00	12.6		
Toluene*	<0.050	0.050	04/17/2014	ND	2.55	127	2.00	13.1		
Ethylbenzene*	<0.050	0.050	04/17/2014	ND	2.53	126	2.00	14.0		
Total Xylenes*	<0.150	0.150	04/17/2014	ND	7.29	122	6.00	13.9		
Total BTEX	<0.300	0.300	04/17/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	04/17/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/16/2014	ND	192	96.2	200	3.12		
DRO >C10-C28	<10.0	10.0	04/16/2014	ND	210	105	200	2.25		
EXT DRO >C28-C35	<10.0	10.0	04/16/2014	ND						

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

May 06, 2014

BEN J. ARGUJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/30/14 12:05.

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 accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/06/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. A FLOOR #1 (H401302-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	05/06/2014	ND	400	100	400	3.92		

Sample ID: SEC. A FLOOR #2 (H401302-02)

BTEX 8260B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/05/2014	ND	2.17	109	2.00	0.904		
Toluene*	<0.050	0.050	05/05/2014	ND	2.33	117	2.00	2.93		
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.25	112	2.00	2.74		
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.94	116	6.00	3.25		
Total BTEX	<0.300	0.300	05/05/2014	ND						

Surrogate: Dibromofluoromethane 98.9 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 98.9 % 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/06/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/06/2014	ND	194	97.1	200	2.55		
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06		
EXT DRO >C28-C35	<10.0	10.0	05/06/2014	ND						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/06/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

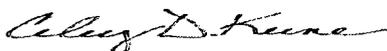
Sample ID: SEC. A FLOOR #2 (H401302-02)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctane	131 %	65.2-140							
Surrogate: 1-Chlorooctadecane	130 %	63.6-154							

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

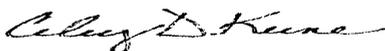
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

May 08, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/01/14 9:05.

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 accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

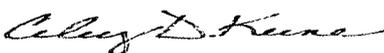
Sample ID: SEC B FLOOR B (H401323-01)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/08/2014	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*= Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC		BILL TO		ANALYSIS REQUEST																					
Project Manager: Joel Lowry		P.O. #:		Chloride TPH (8015M) BTEX (8021B) HOLD FOR TPH																					
Address: P.O. Box 301		Company: BOPCO, LP																							
City: Lovington State: NM Zip: 88260		Attn: Tony Savoie																							
Phone #: (575)396-2378 Fax #: (575)396-1429		Address: 522 W. Marland																							
Project #: Project Owner:		City: Carlsbad																							
Project Name: Remuda Basin Unit #1 Battery		State: NM Zip: 88220																							
Project Location: Eddy Co., NM		Phone #: (432)556-8730																							
Sampler Name: Joel Lowry		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.			SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
H401323		G	1			x							4/30/14	1330	x										
1	Sec. B Floor B																								

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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Joel Lowry</i>	Date: 5/1/14 Time: 9:05	Received By: <i>Jodi Henson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>JA</i>	
FORM-006		REMARKS: HOLD FOR TPH Please email results to pm@basinenv.com, TASavoie@BassPet.com & SJWalters@BassPet.com		

May 14, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/09/14 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	05/09/2014	Sampling Date:	05/08/2014
Reported:	05/14/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SEC. A SSW (H401419-01)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	05/14/2014	ND	416	104	400	0.00		

Sample ID: SEC. A WSWB (H401419-02)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	05/14/2014	ND	416	104	400	0.00		

Sample ID: 5/8 DT @ 5' (H401419-03)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	05/14/2014	ND	416	104	400	0.00		

Sample ID: 5/8 DT @ 7' (H401419-04)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	05/14/2014	ND	416	104	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	05/09/2014	Sampling Date:	05/08/2014
Reported:	05/14/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: 5/8 DT @ 8' (H401419-05)

Chloride, SM4500Cl-B

mg/kg

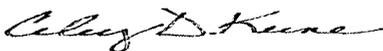
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/14/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

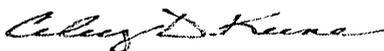
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

June 10, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN UNIT #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/04/14 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/04/2014	Sampling Date:	06/03/2014
Reported:	06/10/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: RO #1 (H401708-01)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2014	ND	2.09	105	2.00	1.02		
Toluene*	<0.050	0.050	06/06/2014	ND	2.24	112	2.00	0.546		
Ethylbenzene*	<0.050	0.050	06/06/2014	ND	2.03	101	2.00	1.45		
Total Xylenes*	<0.150	0.150	06/06/2014	ND	6.41	107	6.00	2.72		
Total BTEX	<0.300	0.300	06/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	06/05/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/10/2014	ND	204	102	200	5.28		
DRO >C10-C28	17.3	10.0	06/10/2014	ND	215	107	200	7.85		
EXT DRO >C28-C35	<10.0	10.0	06/10/2014	ND						

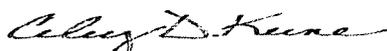
Surrogate: 1-Chlorooctane 90.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/04/2014	Sampling Date:	06/03/2014
Reported:	06/10/2014	Sampling Type:	Soil
Project Name:	REMUDA BASIN UNIT #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: RO #2 (H401708-02)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2014	ND	2.09	105	2.00	1.02		
Toluene*	<0.050	0.050	06/06/2014	ND	2.24	112	2.00	0.546		
Ethylbenzene*	<0.050	0.050	06/06/2014	ND	2.03	101	2.00	1.45		
Total Xylenes*	<0.150	0.150	06/06/2014	ND	6.41	107	6.00	2.72		
Total BTEX	<0.300	0.300	06/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	06/05/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/10/2014	ND	204	102	200	5.28		
DRO >C10-C28	10.7	10.0	06/10/2014	ND	215	107	200	7.85		
EXT DRO >C28-C35	<10.0	10.0	06/10/2014	ND						

Surrogate: 1-Chlorooctane 90.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.0 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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- RPD Relative Percent Difference
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- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

