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Effective Solutions

REMEDIATION SUMMARY

AND

SITE CLOSURE REQUEST

Fairway Resources Operating, LLC

South Red Lake II Unit #43

Eddy County, New Mexico
UNIT "K" (NE/SW), Section 36, Township 17S, Range 27E
Latitude 32.7877800° North, Longitude 104.2350200° West

2RP-188

Prepared For:

Fairway Resources Operating, LLC
538 Silicon Drive, Suite 101
Southlake, Texas 76092

Prepared By:
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May 2009

Curt D. Stanley

Project Manager

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INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Consulting, LLC (Basin), on behalf of Fairway Resources Operating, LLC (Fairway), has prepared this Remediation Summary and Site Closure Request for the release site known as South Red Lake II Unit #43. The legal description of the release site is NE¼ SW¼ (Unit Letter "K"), Section 36, Township 17 South, Range 27 East, in Eddy County, New Mexico. The property is owned by the State of New Mexico (SLO). The release site GPS coordinates are 32.7877800° North and 104.2350200° West. Please reference Figure 1 for a Site Location Map and Figure 2 for a Site Map. The Release Notification and Corrective Action is included as Appendix C.

On June 16, 2008, a leak was discovered in a steel nipple at the South Red Lake II Unit #43 wellhead flowline connection. The Release Notification and Corrective Action (Form C-141) indicates twenty-five (25) barrels (BBL) of a mixture of produced water and crude oil were released as a result of the nipple failure. The C-141 indicates twenty (20) BBL of the mixture of produced water and crude oil were recovered during initial response activities using a vacuum truck. The release net loss was reported at five (5) BBL of the mixture. The area affected by the release measures approximately 20 feet in width and 270 feet in length and included portion of the well pad and the adjacent lease road.

NMOCD SITE CLASSIFICATION

As described in Section 3A of the *Guidelines for Remediation of Leaks, Spills and Releases* (NMOCD, 1993), the following characteristics are used to determine the site soil ranking criteria, which influences the site-specific cleanup standards applicable for this site. The depth to groundwater is between 50 - 100 feet from the base of the impacted zone, resulting in ten (10) points being assigned to the site as a result of this criterion.

The water well database, maintained by the New Mexico Office of the State Engineer (NMOSE), was accessed to determine the location and type of nearby registered water wells in the area. The database indicated there are no water wells less than 1,000 feet from the release, resulting in zero (0) points being assigned to this site as a result of this criterion.

There are no surface water bodies located within 1,000 feet of the site. Based on the New Mexico Oil Conservation Division (NMOCD) ranking system zero (0) points will be assigned to the site as a result of the criterion. The Guidelines indicate the South Red Lake II Unit #43 release site has a ranking score of ten (10). Based on this score, the soil remediation levels for a site with a ranking score of ten (10) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 1,000 mg/Kg (ppm)

The NMOCD chlorides clean up level concentrations are site specific.

SUMMARY OF RECENT FIELD ACTIVITIES

On June 19, 2008, a backhoe was mobilized to the release site to assess the extent of the impacted soil and remove highly saturated soil from the site. Approximately thirty (30) cubic yards (cy) of crude oil and produced water saturated soil was scraped from the flowpath to a depth of approximately eight (8) inches below ground surface (bgs) and transported to an NMOCD approved disposal site.

Following the removal of the saturated soil, three (3) investigation trenches (T-1, T-2 and T-3) were excavated along the release flowpath to assess the vertical extent of the release. Please reference Figure 2 (Site Map) for locations of the investigation trenches.

Investigation Trench T-1 was located on the well pad and was excavated to a depth of approximately two and one half (2.5) feet bgs. A soil sample (T-1 @ 2.5') was collected from the floor of the trench and submitted to the laboratory for determination of the benzene, toluene, ethyl-benzene and xylene (BTEX) concentrations, total petroleum hydrocarbon (TPH) concentration and chloride concentration by methods 8021b, 8015M, and EPA 300, respectively. The analytical results indicated benzene and BTEX concentrations were less than the laboratory method detection limit (MDL) of 0.0012 mg/Kg and 0.0024 mg/Kg, respectively. The TPH concentration of soil sample T-1 @ 2.5' was 183.1 mg/Kg and the chloride concentration was 7,650 mg/Kg. Following the collection of the soil sample the investigation trench was backfilled. A summary of the laboratory results is provided as Table 1, Concentrations of Benzene, BTEX, TPH and Chloride in Soil. Laboratory reports are provided as Appendix A.

Investigation Trench T-2 was located off the well pad on the caliche road adjacent to the well pad and was excavated to a depth of approximately two (2) feet bgs. A soil sample (T-2 @ 2') was collected from the floor of the trench and submitted to the laboratory and analyzed for concentrations of benzene, BTEX, TPH and chloride. The analytical results indicated benzene and BTEX concentrations were less than the laboratory MDL of 0.0012 mg/Kg and 0.0024 mg/Kg, respectively. The TPH concentration of soil sample T-2 @ 2' was less than the laboratory MDL of 17.7 mg/Kg and chloride concentration was 215 mg/Kg. Following the collection of the soil sample the investigation trench was backfilled.

Investigation Trench T-3 was located on the caliche road and was excavated to a depth of approximately four (4) feet bgs. A soil sample (T-3 @ 4') was collected from the floor of the trench and submitted to the laboratory and analyzed for concentrations of benzene, BTEX, TPH and chloride. The analytical results indicated benzene and BTEX concentrations were less than the laboratory MDL of 0.006 mg/Kg and 0.012 mg/Kg, respectively. The TPH concentration of soil sample T-2 @ 2' was less than the laboratory MDL of 18 mg/Kg and the chloride concentration was 639 mg/Kg. Following the collection of the soil sample the investigation trench was backfilled.

In August 2008, a *Soil Investigation Summary and Site Closure Proposal,* dated August 2008 was submitted to the NMOCD – Artesia District Office. The report summarized recent field activities and proposed a strategy designed to provide an NMOCD approved site closure. The

proposed activities were verbally approved by the NMOCD – Artesia District Office and the activities commenced.

Initial excavation activities began on the east side of the South Red Lake II Unit #43 pump jack. Impacted soil was stockpiled on-site pending transportation to Lea Land Landfill located in rural Lea County, New Mexico. During excavation activities on the east side of the pump jack, an area of significantly greater impact was observed on the east sidewall of the east side excavation. This area of impact did not appear to be associated with the South Red Lake II Unit #43 release. The area of significantly greater impact appeared to be associated with a well site located directly east of the South Red Lake II Unit #43 pump jack and sharing the common well pad. Representatives of the NMOCD – Artesia District Office were consulted, observed the east sidewall and concurred with Basin's observations. The NMOCD – Artesia District Office approved the installation of a liner along the east sidewall of the east side excavation. The 20 mil poly-ethylene liner installed on the east sidewall is designed to isolate the significantly greater impacted soil located on the east sidewall from remediation activities conducted at the South Lake II Unit #43 well site.

Following the excavation of the east side area of impact, excavation activities commenced in the larger area of impact located on the west side of the well pad and adjacent lease road. Excavation began on the south end of the impacted area and progressed to the north and west of the release to a depth of approximately six (6) feet bgs. Excavated soil was added to the previously stockpiled soil.

On September 24, 2008, fourteen (14) sidewall soil samples (EW-1, WW-1, EW-2, WW-2, EW-3, WW-3, EW-4, WW-4, NW-5, SW-5, NW-6, SW-6, NW-8 and SW-8) were collected and submitted to the laboratory for benzene, BTEX, TPH and chloride analysis. The analytical results for benzene indicated all fourteen (14) soil samples exhibited concentrations less than the laboratory MDL ranging from less than 0.001 mg/Kg to less than 0.0012 mg/Kg. The analytical results for BTEX indicated all fourteen (14) soil samples exhibited concentrations less than the laboratory MDL ranging from less than 0.0021 mg/Kg to less than 0.0024 mg/Kg. The analytical results for TPH indicated twelve (12) of the fourteen (14) soil samples exhibited concentrations less than the laboratory MDL ranging from less than 15.5 mg/Kg to less than 17.8 mg/Kg. Soil samples EW-4 and NW-6 exhibited TPH concentrations of 19.1 mg/Kg and 16.2 mg/Kg, respectively. Chloride concentrations ranged from less than the laboratory MDL in soil samples EW-1, EW-3, WW-3 and NW-5 to 9,780 in soil sample NW-8.

On September 24, 2008, five (5) excavation floor soil samples (Floor-4, Floor-5, Floor-6, Floor-7 and Floor-8) were collected and submitted to the laboratory for benzene, BTEX, TPH and chloride analysis. The analytical results for benzene indicated all five (5) soil samples exhibited concentrations less than the laboratory MDL ranging from less than 0.001 mg/Kg to less than 0.0013 mg/Kg. The analytical results for BTEX indicated all five (5) soil samples exhibited concentrations less than the laboratory MDL ranging from less than 0.0022 mg/Kg to less than 0.0027 mg/Kg. The analytical results for TPH indicated all five (5) soil samples exhibited concentrations less than the laboratory MDL ranging from less than 17.0 mg/Kg to less than 20.2 mg/Kg. Chloride concentrations ranged from 1,320 mg/Kg in soil sample Floor-4 to 4,580 in soil sample Floor-5.

Following the sampling event, a period of heavy rain was experienced in southeast New Mexico. During the rain event, Fairway experienced a non-reportable release from the South Red Lake II Unit #43 wellhead. The heavy rain, combined with the non-reportable release, filled the existing excavation to capacity. Following the rain event, crude oil staining was observed on the sidewalls and floor of the excavation, invalidating the analytical results of the August 24, 2008 sampling event and requiring additional excavation and confirmation soil sampling.

Additional excavation activities commenced when the soil within the excavation dried sufficiently for work to continue. Approximately one (1) to three (3) feet of additional soil was excavated from the excavation floor and sidewalls and stockpiled on-site. A total of approximately 2,830 cubic yards of impacted soil was transported to Lea Land Landfill (WM-01-035) for disposal.

On December 29, 2008, ten (10) sidewall soil samples (EW #10, SW #10, NW #5A, SW #5A, NW #6A, SW #6A, NW #8A, SW #8A, NW #9, and SW #9) were collected and submitted to the laboratory for TPH and chloride analysis. The analytical results for TPH indicated all ten (10) of the soil samples exhibited concentrations less than the laboratory MDL ranging from less than 15.5 mg/Kg to less than 24.0 mg/Kg. Chloride concentrations ranged from 8.03 mg/Kg in soil sample SW #8A to 1,610 mg/Kg in soil sample SW #5A.

On December 29, 2008, five (5) excavation floor soil samples (Floor #10, Floor #5A, Floor #6A, Floor #8A, and Floor #9) were collected and submitted to the laboratory for TPH and chloride analysis. The analytical results for TPH indicated all five (5) soil samples exhibited concentrations less than the laboratory MDL ranging from less than 16.9 mg/Kg to less than 24.0 mg/Kg. Chloride concentrations ranged from less than the laboratory MDL of 5.79 mg/Kg in soil sample Floor #6A to 1,360 in soil sample Floor #10.

On December 30, 2008, eight (8) sidewall soil samples (EW #1A, WW #1A, EW #2A, WW #2A, EW #3A, WW #3A, EW #4A, and WW #4A) were collected and submitted to the laboratory for TPH and chloride analysis. The analytical results for TPH indicated seven (7) of the soil samples exhibited concentrations less than the laboratory MDL ranging from less than 17.0 mg/Kg to less than 17.9 mg/Kg. Soil sample EW #2 exhibited, Chloride concentrations ranged from 8.03 mg/Kg in soil sample SW #8A to 1,610 mg/Kg in soil sample SW #5A.

On December 30, 2008, five (5) excavation floor soil samples (Floor #1A, Floor #2A, Floor #3A, Floor #4A, and Floor #7A) were collected and submitted to the laboratory for TPH and chloride analysis. The analytical results for TPH indicated three (3) soil samples (Floor #2A, Floor #4A and Floor 7A) exhibited concentrations less than the laboratory MDL ranging from less than 16.9 mg/Kg to less than 17.6 mg/Kg. The analytical results for TPH indicated soil samples Floor #1A and Floor #3A exhibited concentrations of 83 mg/Kg and 3,282 mg/Kg, respectively. Chloride concentrations ranged from 363 mg/Kg in soil sample Floor #7A to 4,690 mg/Kg in soil sample Floor #3A

On January 7, 2009, representatives of Basin met with an NMOCD-Artesia District Office representative at the release site. Basin presented the analytical results of the December 2009 sampling event on behalf of Fairway and requested and received NMOCD approval to install a

polyethylene liner on the floor of the excavation and east sidewall. Following the installation of the liner the excavation was backfilled with local purchased native caliche to approximately two (2) feet bgs. The upper two (2) feet of the excavation was backfilled with caliche on the well pad and road and with over excavated soil deemed suitable by analysis. The affected area was contoured to fit the surrounding topography where contouring was appropriate and areas not on the well pad or in the road will be reseeded when weather conditions are optimal for sustained growth. Photographs of the liner installation and general site photographs are provided as Appendix B.

SITE CLOSURE REQUEST

Basin recommends Fairway provide the NMOCD – Artesia District Office a copy of this Remediation Summary and Site Closure Request and request the NMOCD grant a risk-based site closure to the South Red Lake II Unit #43 release.

LIMITATIONS

Basin Environmental Consulting, LLC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin Environmental Consulting, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Consulting, LLC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Consulting, LLC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Consulting, LLC also 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 Fairway Resources Operating, LLC. 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 Consulting, LLC and/or Fairway Resources Operating, LLC.

DISTRIBUTION:

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Figures

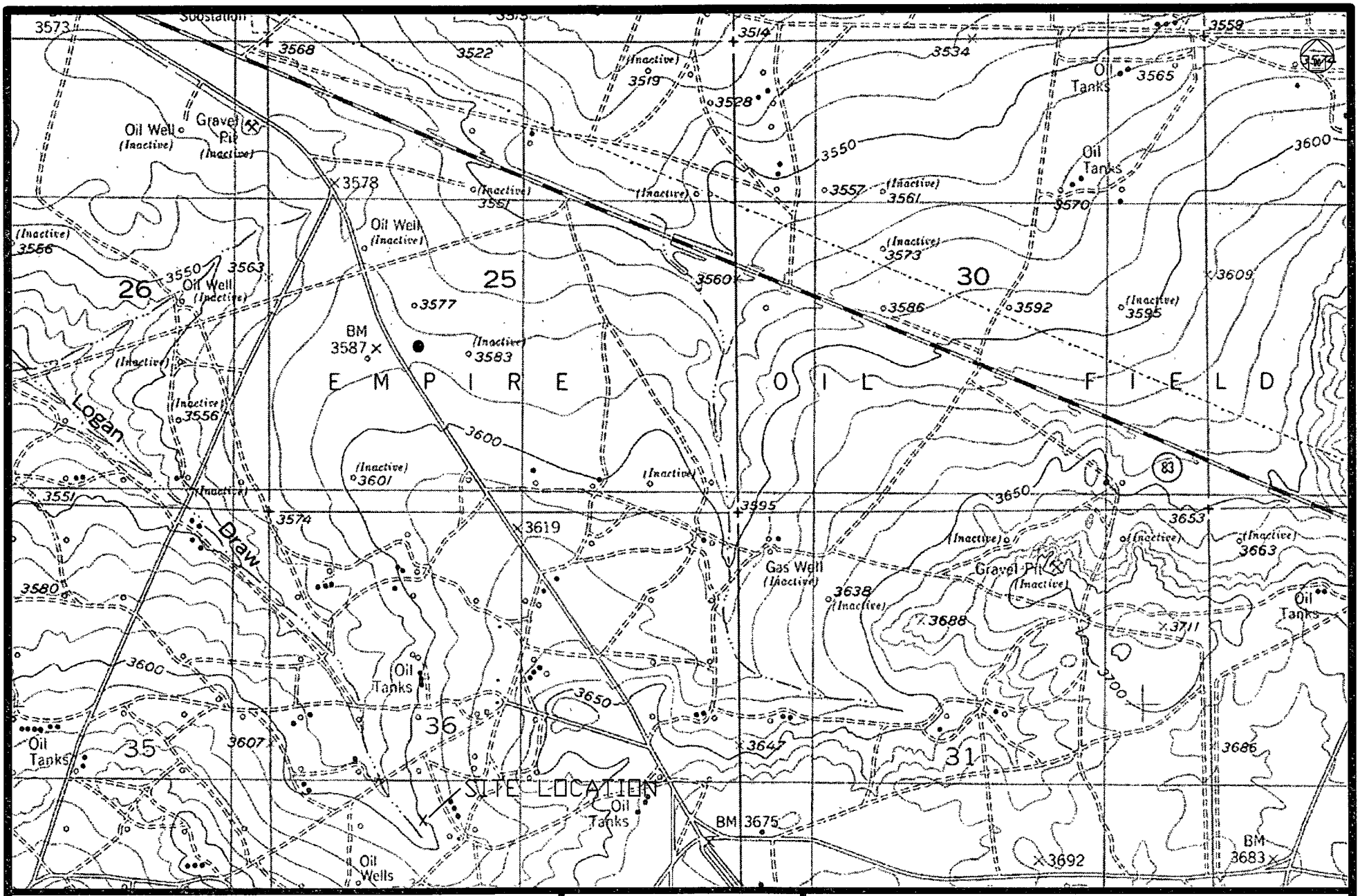
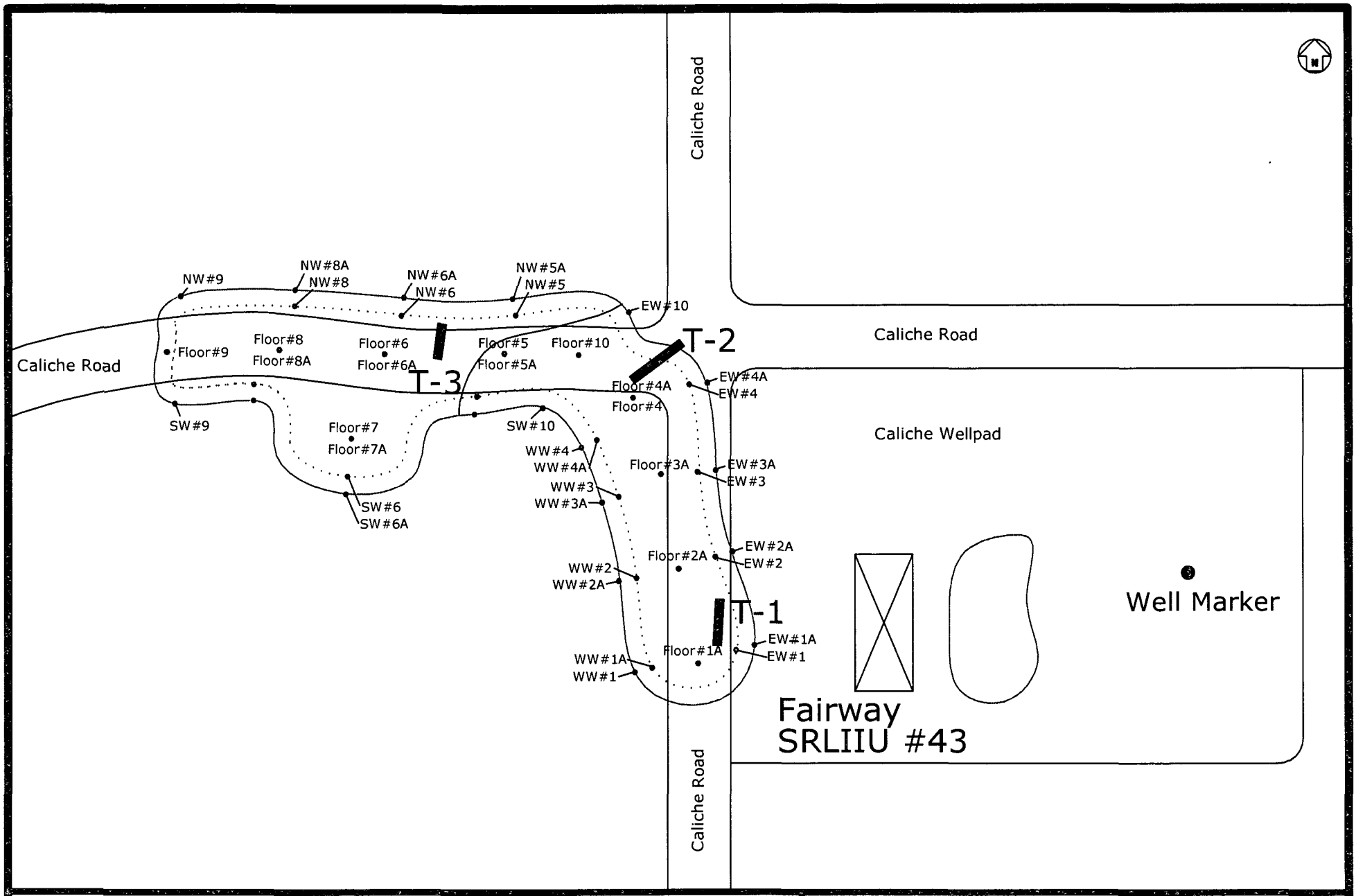


Figure 1
Site Location Map
Fairway Resources
South Red Lake II Unit #43
Eddy County, New Mexico
2RP-188

Basin Environmental Services

Prep By CDS	Checked By CDS
August 6, 2008	Scale 1"=1,500'



Legend:

- Approximate Extent of Excavation
- Location of Investigation Trench
- Sample Location Point

Figure 2
Schematic Site and Sample Location Map
Fairway Resources
South Red Lake II Unit #43
Eddy County, New Mexico
NMOCD Ref. # 2RP-188

Basin Environmental Services

Prep By CDS	Checked By CDS
May 7, 2009	Not to Scale

Tables

Table 1

CONCENTRATIONS of Benzene, BTEX, TPH and CHLORIDE IN SOIL
Fairway Resources - South Red Lake II Unit #43
EDDY COUNTY, NEW MEXICO
2RP-188

All measurments recorded in mg/Kg

SAMPLE DATE	SAMPLE LOCATION	SAMPLE DEPTH	SOIL STATUS	Methods. EPA SW 846-8021B, 5030							Methods. EPA SW 846-8015M				EPA 300
				BENZENE (mg/Kg)	TOLUENE mg/Kg)	ETHYL-BENZENE (mg/Kg)	m,p-XYLENE (mg/Kg)	o-XYLENE (mg/Kg)	TOTAL XYLENE (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)	TOTAL TPH C_6-C_{35} (mg/Kg)	Chloride (mg/Kg)
06/19/08	T-1 @ 2.5'	2.5 feet bgs	In-Situ	<0 0012	<0 0024	<0 0012	<0 0024	<0 0012	<0.0024	<0 0024	20 3	133	29 8	183.1	7,650
06/19/08	T-2 @ 2'	2 feet bgs	In-Situ	<0 0012	<0 0024	<0 0012	<0 0024	<0.0012	<0 0024	<0 0024	<17.7	<17 7	<17 7	<17.7	215
06/19/08	T-3 @ 4'	4 feet bgs	In-Situ	<0 0060	<0 0120	<0 0060	<0 0120	<0 0060	<0.0120	<0.0120	<18 0	<18.0	<18 0	<18.0	639
09/24/08	EW-1	5 feet bgs	Excavated	<0.0012	<0 0023	<0 0012	<0 0023	<0.0012	<0 0023	<0 0023	<17 3	<17.3	<17 3	<17 3	<11 5
09/24/08	WW-1	5 feet bgs	Excavated	<0 0011	<0 0022	<0 0011	<0 0022	<0 0011	<0 0022	<0 0022	<16 7	<16 7	<16.7	<16 7	26 9
09/24/08	EW-2	5 feet bgs	Excavated	<0 0012	<0 0023	<0.0012	<0 0023	<0 0012	<0 0023	<0 0023	<17 4	<17 4	<17.4	<17 4	40 4
09/24/08	WW-2	5 feet bgs	Excavated	<0 0011	<0 0022	<0 0011	<0.0022	<0.0011	<0 0022	<0 0022	<16 9	<16 9	<16 9	<16 9	50 3
09/24/08	EW-3	5 feet bgs	Excavated	<0 0012	<0 0024	<0 0012	<0 0024	<0 0012	<0 0024	<0.0024	<17 8	<17.8	<17 8	<17 8	<11 8
09/24/08	WW-3	5 feet bgs	Excavated	<0 0011	<0 0023	<0 0011	<0.0023	<0 0011	<0 0023	<0.0023	<16.9	<16.9	<16 9	<16 9	<5 65
09/24/08	Floor-4	6 feet bgs	Excavated	<0.0011	<0 0023	<0 0011	<0 0023	<0 0011	<0 0023	<0 0023	<17 0	<17.0	<17 0	<17.0	1,320
09/24/08	EW-4	5 feet bgs	Excavated	<0 0012	<0 0023	<0 0012	<0 0023	<0.0012	<0 0023	<0 0023	<17 3	19.1	<17.3	19 1	1,070
09/24/08	WW-4	5 feet bgs	Excavated	<0 0011	<0.0022	<0.0011	<0 0022	<0 0011	<0 0022	<0 0022	<16 9	<16 9	<16 9	<16 9	148
09/24/08	Floor-5	6 feet bgs	Excavated	<0 0011	<0 0023	<0.0011	<0.0023	<0 0011	<0 0023	<0 0023	<17 2	<17.2	<17.2	<17 2	4,580
09/24/08	NW-5	5 feet bgs	Excavated	<0 0010	<0 0021	<0 0010	<0.0021	<0 0010	<0 0021	<0 0021	<15 5	<15.5	<15 5	<15 5	<10 3
09/24/08	Floor-6	6 feet bgs	Excavated	<0 0011	<0 0023	<0 0011	<0.0023	<0 0011	<0.0023	<0 0023	<17 1	<17.1	<17 1	<17.1	1,680
09/24/08	SW-5	5 feet bgs	Excavated	<0 0011	<0 0022	<0 0011	<0.0022	<0.0011	<0 0022	<0.0022	<16 2	<16 2	<16 2	<16.2	1,710
09/24/08	NW-6	5 feet bgs	Excavated	<0 0010	<0 0021	<0 0010	<0.0021	<0 0010	<0 0021	<0 0021	<15 6	16 2	<15 6	16.2	78 1
09/24/08	SW-6	5 feet bgs	Excavated	<0 0011	<0.0023	<0 0011	<0 0023	<0 0011	<0 0023	<0 0023	<16 9	<16 9	<16 9	<16.9	390
09/24/08	Floor-7	6 feet bgs	Excavated	<0 0011	<0.0023	<0 0011	<0.0023	<0.0011	<0.0023	<0.0023	<17 1	<17 1	<17 1	<17 1	4,250
09/24/08	Floor-8	6 feet bgs	Excavated	<0 0013	<0.0027	<0 0013	<0 0027	<0 0013	<0 0027	<0.0027	<20 2	<20 2	<20 2	<20 2	<13.5
09/24/08	NW-8	5 feet bgs	Excavated	<0 0011	<0.0022	<0 0011	<0 0022	<0.0011	<0 0022	<0.0022	<16 4	<16 4	<16 4	<16 4	9,780
09/24/08	SW-8	5 feet bgs	Excavated	<0.0011	<0 0023	<0 0011	<0 0023	<0.0011	<0 0023	<0 0023	<17 0	<17 0	<17 0	<17 0	113
12/29/08	Floor #10	7 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 1	<17 1	<17 1	<17 1	1,360
12/29/08	EW #10	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 2	<17 2	<17 2	<17 2	934
12/29/08	SW #10	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<16 4	<16 4	<16 4	<16 4	389
12/29/08	NW #5A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<15 5	<15 5	<15 5	<15 5	326
12/29/08	Floor #5A	8 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 4	<17 4	<17 4	<17 4	179
12/29/08	SW #5A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 8	<17 8	<17 8	<17 8	1,610
12/29/08	NW #6A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<16 5	<16 5	<16 5	<16 5	90
12/29/08	Floor #6A	8 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 4	<17.4	<17 4	<17 4	<5.79
12/29/08	SW #6A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 5	<17 5	<17.5	<17 5	18.9
12/29/08	NW #8A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 0	<17 0	<17.0	<17.0	46 5
12/29/08	Floor #8A	8 feet bgs	In-Situ	-	-	-	-	-	-	-	<16 9	<16 9	<16.9	<16.9	77.5
12/29/08	SW #8A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<16 5	<16 5	<16 5	<16.5	8.03
12/29/08	NW #9	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<16 9	<16 9	<16 9	<16.9	40 8
12/29/08	Floor #9	8 feet bgs	In-Situ	-	-	-	-	-	-	-	<24 0	<24 0	<24 0	<24 0	49 1
12/29/08	SW #9	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<16 7	<16 7	<16 7	<16 7	13 2
12/30/08	EW #1A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 2	<17 2	<17 2	<17 2	2,160
12/30/08	WW #1A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 5	<17 5	<17 5	<17 5	692
12/30/08	Floor #1A	7 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 1	83	<17.1	83	2,160
12/30/08	EW #2A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	354	1450	206	2,010	4,620
12/30/08	WW #2A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 1	<17.1	<17.1	<17.1	4,010
12/30/08	Floor #2A	7 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 6	<17 6	<17 6	<17.6	3,940
12/30/08	EW #3A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17.2	<17.2	<17 2	<17 2	3,910
12/30/08	WW #3A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17.5	<17 5	<17 5	<17 5	4,770
12/30/08	Floor #3A	7 feet bgs	In-Situ	-	-	-	-	-	-	-	659	2310	313	3,282	4,690
12/30/08	EW #4A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 9	<17 9	<17 9	<17 9	335

Table 1

CONCENTRATIONS of Benzene, BTEX, TPH and CHLORIDE IN SOIL
Fairway Resources - South Red Lake II Unit #43
EDDY COUNTY, NEW MEXICO
2RP-188

All measurments recorded in mg/Kg

SAMPLE DATE	SAMPLE LOCATION	SAMPLE DEPTH	SOIL STATUS	Methods: EPA SW 846-8021B, 5030							Methods: EPA SW 846-8015M				EPA 300
				BENZENE (mg/Kg)	TOLUENE mg/Kg)	ETHYL-BENZENE (mg/Kg)	m,p-XYLENE (mg/Kg)	o-XYLENE (mg/Kg)	TOTAL XYLENE (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)	TOTAL TPH C_6-C_{35} (mg/Kg)	Chloride (mg/Kg)
12/30/08	WW #4A	5 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 0	<17 0	<17 0	<17 0	444
12/30/08	Floor #4A	7 feet bgs	In-Situ	-	-	-	-	-	-	-	<16 9	<16 9	<16.9	<16.9	1,280
12/30/08	Floor #7A	8 feet bgs	In-Situ	-	-	-	-	-	-	-	<17 4	<17 4	<17 4	<17.4	363
12/30/08	Backfill	-	In-Situ	-	-	-	-	-	-	-	<17 1	<17 1	<17 1	<17 1	369
NMOCD REGULATORY STANDARD				10						50				1,000	500

Appendices

Appendix A
Laboratory Reports

Analytical Report 306371

for

Basin Enivronmental Services

Project Manager: Curt Stanley

South Red Lake II Unit # 43

Same

27-JUN-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

27-JUN-08

Project Manager: **Curt Stanley**
Basin Enivronmental Services
P.O. Box 301
Lovington, NM 88260

Reference: XENCO Report No: **306371**
South Red Lake II Unit # 43
Project Address: Artesia, NM

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 306371. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 306371 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 306371

Basin Enivronmental Services, Lovington, NM

South Red Lake II Unit # 43

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
T-1 @ 2.5	S	Jun-19-08 15:00		306371-001
T-2 @ 2'	S	Jun-19-08 15:10		306371-002
T-3 @ 4'	S	Jun-19-08 15:20		306371-003

Certificate of Analysis Summary 306371

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit # 43

Project Id: Same
Contact: Curt Stanley
Project Location: Artesia, NM

Date Received in Lab: Mon Jun-23-08 08:35 am
Report Date: 27-JUN-08
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	306371-001		306371-002		306371-003			
	Field Id:	T-1 @ 2.5		T-2 @ 2'		T-3 @ 4'			
	Depth:								
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	Jun-19-08 15:00		Jun-19-08 15 10		Jun-19-08 15:20			
BTEX by EPA 8021B	*Extracted:*	Jun-23-08 15·00		Jun-23-08 15·00		Jun-24-08 12:00			
	Analyzed:	Jun-24-08 00·08		Jun-24-08 00·32		Jun-24-08 16·15			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		ND	0.0012	ND	0.0012	ND	0.0060		
Toluene		ND	0.0024	ND	0 0024	ND	0.0120		
Ethylbenzene		ND	0.0012	ND	0 0012	ND	0 0060		
m,p-Xylenes		ND	0 0024	ND	0.0024	ND	0 0120		
o-Xylene		ND	0 0012	ND	0.0012	ND	0.0060		
Total Xylenes		ND		ND		ND			
Total BTEX		ND		ND		ND			
Inorganic Anions by EPA 300	*Extracted:*								
	Analyzed:	Jun-24-08 10:52		Jun-24-08 10:52		Jun-24-08 10 52			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		7650	238	215	5 90	639	24.0		
Percent Moisture	*Extracted:*								
	Analyzed:	Jun-23-08 17·00		Jun-23-08 17.00		Jun-23-08 17:00			
	Units/RL:	%	RL	%	RL	%	RL		
Percent Moisture		15 9		15.3		16 7			
TPH by SW8015 Mod	*Extracted:*	Jun-24-08 08:48		Jun-24-08 08:48		Jun-24-08 08:48			
	Analyzed:	Jun-26-08 14:10		Jun-26-08 14.48		Jun-26-08 15·35			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C12 Gasoline Range Hydrocarbons		20.3	17 8	ND	17 7	ND	18.0		
C12-C28 Diesel Range Hydrocarbons		133	17 8	ND	17.7	ND	18.0		
C28-C35 Oil Range Hydrocarbons		29 8	17 8	ND	17.7	ND	18.0		
Total TPH		183.1		ND		ND			

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 306371 **Project ID:** Same

Lab Batch #: 726318 **Sample:** 306371-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0336	0.0300	112	80-120	
4-Bromofluorobenzene	0.0319	0.0300	106	80-120	

Lab Batch #: 726318 **Sample:** 306371-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0332	0.0300	111	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 726318 **Sample:** 511084-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0355	0.0300	118	80-120	

Lab Batch #: 726318 **Sample:** 511084-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0343	0.0300	114	80-120	
4-Bromofluorobenzene	0.0316	0.0300	105	80-120	

Lab Batch #: 726318 **Sample:** 511084-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 306371 **Project ID:** Same

Lab Batch #: 726328 **Sample:** 306371-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0347	0.0300	116	80-120	
4-Bromofluorobenzene	0.0307	0.0300	102	80-120	

Lab Batch #: 726328 **Sample:** 511084-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0323	0.0300	108	80-120	

Lab Batch #: 726328 **Sample:** 511084-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0349	0.0300	116	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 726328 **Sample:** 511084-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0318	0 0300	106	80-120	

Lab Batch #: 726418 **Sample:** 306327-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.3	100	83	70-135	
o-Terphenyl	47.2	50.0	94	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 306371 **Project ID:** Same

Lab Batch #: 726418 **Sample:** 306327-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.8	100	84	70-135	
o-Terphenyl	48.2	50.0	96	70-135	

Lab Batch #: 726418 **Sample:** 306371-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73.4	100	73	70-135	
o-Terphenyl	41.8	50.0	84	70-135	

Lab Batch #: 726418 **Sample:** 306371-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	72.6	100	73	70-135	
o-Terphenyl	41.7	50.0	83	70-135	

Lab Batch #: 726418 **Sample:** 306371-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	70.4	100	70	70-135	
o-Terphenyl	40.8	50.0	82	70-135	

Lab Batch #: 726418 **Sample:** 511165-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	79.4	100	79	70-135	
o-Terphenyl	44.3	50.0	89	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 306371 **Project ID:** Same

Lab Batch #: 726418 **Sample:** 511165-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	73 0	100	73	70-135	
o-Terphenyl	41.3	50 0	83	70-135	

Lab Batch #: 726418 **Sample:** 511165-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	80 0	100	80	70-135	
o-Terphenyl	44.1	50.0	88	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: South Red Lake II Unit # 43

Work Order #: 306371 **Project ID:** Same

Lab Batch #: 726343 **Sample:** 726343-1-BKS **Matrix:** Solid

Date Analyzed: 06/24/2008 **Date Prepared:** 06/24/2008 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Chloride	ND	10.0	11.4	114	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 306371 **Project ID:** Same

Analyst: BRB **Date Prepared:** 06/23/2008 **Date Analyzed:** 06/23/2008

Lab Batch ID: 726318 **Sample:** 511084-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.1165	117	0.1	0 0984	98	17	70-130	35	
Toluene	ND	0.1000	0.1152	115	0.1	0.0961	96	18	70-130	35	
Ethylbenzene	ND	0 1000	0.1269	127	0 1	0.1060	106	18	71-129	35	
m,p-Xylenes	ND	0.2000	0.2584	129	0.2	0 2165	108	18	70-135	35	
o-Xylene	ND	0.1000	0.1255	126	0.1	0.1044	104	18	71-133	35	

Analyst: BRB **Date Prepared:** 06/24/2008 **Date Analyzed:** 06/24/2008

Lab Batch ID: 726328 **Sample:** 511084-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0998	100	0.1	0.1047	105	5	70-130	35	
Toluene	ND	0.1000	0.0987	99	0.1	0.1035	104	5	70-130	35	
Ethylbenzene	ND	0.1000	0.1111	111	0.1	0.1166	117	5	71-129	35	
m,p-Xylenes	ND	0.2000	0.2237	112	0.2	0.2348	117	5	70-135	35	
o-Xylene	ND	0 1000	0 1083	108	0.1	0.1138	114	5	71-133	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 306371 **Project ID:** Same

Analyst: ASA **Date Prepared:** 06/24/2008 **Date Analyzed:** 06/25/2008

Lab Batch ID: 726418 **Sample:** 511165-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	840	84	1000	838	84	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	838	84	1000	832	83	1	70-135	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 306371
Lab Batch #: 726343
Date Analyzed: 06/24/2008
QC- Sample ID: 306370-001 S
Reporting Units: mg/kg

Date Prepared: 06/24/2008
Batch #: 1

Project ID: Same
Analyst: LATCOR
Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	2140	2040	5140	147	75-125	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: South Red Lake II Unit # 43

Work Order # : 306371 **Project ID:** Same

Lab Batch ID: 726418 **QC- Sample ID:** 306327-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 06/26/2008 **Date Prepared:** 06/24/2008 **Analyst:** ASA

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1300	1090	84	1300	1090	84	0	70-135	0	
C12-C28 Diesel Range Hydrocarbons	ND	1300	1120	86	1300	1110	85	1	70-135	1	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: South Red Lake II Unit # 43

Work Order #: 306371

Lab Batch #: 726343 **Project ID:** Same

Date Analyzed: 06/24/2008 **Date Prepared:** 06/24/2008 **Analyst:** LATCOR

QC- Sample ID: 306370-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	2140	2300	7	20	

Lab Batch #: 726229

Date Analyzed: 06/23/2008 **Date Prepared:** 06/23/2008 **Analyst:** JLG

QC- Sample ID: 306371-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	15.9	16.2	2	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I 20 East
Odessa, Texas 79765

Phone 432-563-1800
Fax 432-563-1713

Project Manager: Curt Stanley
Company Name: Basin Environmental
Company Address: P.O. Box 301
City/State/Zip: Lovington, NM
Telephone No: 575-441-2244
Fax No:
Sampler Signature: [signature]
e-mail: cdstanley@basinenv.com

Project Name: South Red Lake II ~~Unit #43~~
Project #: Same
Project Loc: Artesia, NM
PO #:
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 306371

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled 2008	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW/GW/S/NP/Other)	TPH 418.1 8015M	TPH TX 1005 TX 1006	Cations (Ca Mg Na K)	Anions (Cl SO4 Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E300		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	T-1@ 2.5			6/19	1500		1	X								S	X								X			X			X
02	T-2@ 2'			6/19	1510		1	X								S	X								X			X			X
03	T-3@ 4'			6/19	1520		1	X								S	X								X			X			X

Special Instructions: Bill To Basin

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6/23/08	835			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT: [signature]	6/23/08	8:35

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Labels on container(s) (Y) N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) Y (N)
Sample Hand Delivered (Y) N
by Sampler/Client Rep.? (Y) N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 6.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Env.

Date/ Time: 6.23.08 8:35

Lab ID #: 306371

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	6.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 313348

for

Basin Enivronmental Services

Project Manager: Curt Stanley

South Red Lake II Unit # 43

Fairway Resources

02-OCT-08

E84880

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

02-OCT-08

Project Manager: **Curt Stanley**
Basin Enivronmental Services
P.O. Box 301
Lovington, NM 88260

Reference: XENCO Report No: **313348**
South Red Lake II Unit # 43
Project Address: East of Artesia, NM

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 313348. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 313348 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 313348

Basin Enivronmental Services, Lovington, NM

South Red Lake II Unit # 43

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EW-1	S	Sep-24-08 10:10		313348-001
WW-1	S	Sep-24-08 10:15		313348-002
EW-2	S	Sep-24-08 10:20		313348-003
WW-2	S	Sep-24-08 10:25		313348-004
EW-3	S	Sep-24-08 10:30		313348-005
WW-3	S	Sep-24-08 10:35		313348-006
Floor-4	S	Sep-24-08 10:40		313348-007
EW-4	S	Sep-24-08 10:45		313348-008
WW-4	S	Sep-24-08 10:50		313348-009
Floor-5	S	Sep-24-08 10:55		313348-010
NW-5	S	Sep-24-08 11:00		313348-011
Floor-6	S	Sep-24-08 11:05		313348-012
SW-5	S	Sep-24-08 11:07		313348-013
NW-6	S	Sep-24-08 11:10		313348-014
SW-6	S	Sep-24-08 11:15		313348-015
Floor-7	S	Sep-24-08 11:20		313348-016
Floor-8	S	Sep-24-08 11:25		313348-017
NW-8	S	Sep-24-08 11:30		313348-018
SW-8	S	Sep-24-08 11:35		313348-019

Certificate of Analysis Summary 313348

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit # 43

Project Id: Fairway Resources
Contact: Curt Stanley
Project Location: East of Artesia, NM

Date Received in Lab: Fri Sep-26-08 02:00 pm
Report Date: 02-OCT-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	313348-001		313348-002		313348-003		313348-004		313348-005		313348-006	
	Field Id:	EW-1		WW-1		EW-2		WW-2		EW-3		WW-3	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Sep-24-08 10:10		Sep-24-08 10:15		Sep-24-08 10 20		Sep-24-08 10 25		Sep-24-08 10:30		Sep-24-08 10 35	
Anions by EPA 300/300.1	*Extracted:*												
	Analyzed:	Sep-29-08 08:50		Sep-29-08 08.50		Sep-29-08 08:50		Sep-29-08 08:50		Sep-29-08 08 50		Sep-29-08 08 50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	11 5	26 9	5.57	40 4	11 6	50.3	11 2	ND	11 8	ND	5 65
BTEX by EPA 8021B	*Extracted:*	Sep-26-08 16:05		Sep-29-08 17:00		Sep-26-08 16:05		Sep-26-08 16 05		Sep-26-08 16.05		Sep-26-08 16.05	
	Analyzed:	Sep-26-08 17:27		Sep-29-08 19 50		Sep-26-08 18:35		Sep-26-08 18 58		Sep-26-08 19 21		Sep-26-08 19 44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.0012	ND	0 0011	ND	0.0012	ND	0.0011	ND	0.0012	ND	0 0011
Toluene		ND	0 0023	ND	0 0022	ND	0.0023	ND	0.0022	ND	0.0024	ND	0 0023
Ethylbenzene		ND	0 0012	ND	0.0011	ND	0.0012	ND	0.0011	ND	0.0012	ND	0 0011
m,p-Xylenes		ND	0 0023	ND	0 0022	ND	0.0023	ND	0.0022	ND	0.0024	ND	0 0023
o-Xylene		ND	0.0012	ND	0.0011	ND	0.0012	ND	0 0011	ND	0.0012	ND	0 0011
Total Xylenes		ND		ND		ND		ND		ND		ND	
Total BTEX		ND		ND		ND		ND		ND		ND	
Percent Moisture	*Extracted:*												
	Analyzed:	Sep-29-08 15:13		Sep-29-08 15:13		Sep-29-08 15:13		Sep-29-08 15:13		Sep-29-08 15:13		Sep-29-08 15:13	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		13 3		10.2		13.7		11 1		15 6		11 5	
TPH By SW8015 Mod	*Extracted:*	Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16:15	
	Analyzed:	Oct-01-08 03:23		Oct-01-08 03:51		Oct-01-08 04:16		Oct-01-08 04:44		Oct-01-08 05:12		Oct-01-08 05:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17 3	ND	16.7	ND	17.4	ND	16 9	ND	17.8	ND	16 9
C12-C28 Diesel Range Hydrocarbons		ND	17 3	ND	16.7	ND	17.4	ND	16.9	ND	17.8	ND	16 9
C28-C35 Oil Range Hydrocarbons		ND	17.3	ND	16.7	ND	17 4	ND	16.9	ND	17.8	ND	16.9
Total TPH		ND		ND		ND		ND		ND		ND	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 313348

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit # 43

Project Id: Fairway Resources
Contact: Curt Stanley
Project Location: East of Artesia, NM

Date Received in Lab: Fri Sep-26-08 02:00 pm
Report Date: 02-OCT-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	313348-007		313348-008		313348-009		313348-010		313348-011		313348-012	
	Field Id:	Floor-4		EW-4		WW-4		Floor-5		NW-5		Floor-6	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Sep-24-08 10:40		Sep-24-08 10:45		Sep-24-08 10:50		Sep-24-08 10 55		Sep-24-08 11:00		Sep-24-08 11:05	
Anions by EPA 300/300.1	*Extracted:*												
	Analyzed:	Sep-29-08 08:50		Sep-29-08 08:50		Sep-29-08 08 50		Sep-29-08 08 50		Sep-29-08 08:50		Sep-29-08 08:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1320	28.4	1070	28 8	148	11 2	4580	115	ND	10 3	1680	28 6
BTEX by EPA 8021B	*Extracted:*	Sep-26-08 16:05		Sep-26-08 16:05		Sep-26-08 16.05		Sep-26-08 16:05		Sep-26-08 16:05		Sep-26-08 16:47	
	Analyzed:	Sep-26-08 20.07		Sep-26-08 20 30		Sep-26-08 20:53		Sep-26-08 21:16		Sep-26-08 21:38		Sep-27-08 06.42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0 0011	ND	0 0012	ND	0.0011	ND	0 0011	ND	0.0010	ND	0 0011
Toluene		ND	0.0023	ND	0.0023	ND	0 0022	ND	0 0023	ND	0 0021	ND	0 0023
Ethylbenzene		ND	0.0011	ND	0.0012	ND	0 0011	ND	0.0011	ND	0.0010	ND	0 0011
m,p-Xylenes		ND	0.0023	ND	0 0023	ND	0 0022	ND	0.0023	ND	0.0021	ND	0 0023
o-Xylene		ND	0.0011	ND	0 0012	ND	*0 0011*	ND	0.0011	ND	0.0010	ND	0 0011
Total Xylenes		ND		ND		ND		ND		ND		ND	
Total BTEX		ND		ND		ND		ND		ND		ND	
Percent Moisture	*Extracted:*												
	Analyzed:	Sep-29-08 15:13		Sep-29-08 15:13		Sep-29-08 15.13		Sep-29-08 15 13		Sep-29-08 15:13		Sep-29-08 15.13	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		12		13 2		11.1		12 7		3.08		12 5	
TPH By SW8015 Mod	*Extracted:*	Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16.15		Sep-30-08 16:15	
	Analyzed:	Oct-01-08 06:06		Oct-01-08 06:33		Oct-01-08 07:01		Oct-01-08 07.30		Oct-01-08 08:24		Oct-01-08 08:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17.0	ND	17 3	ND	16 9	ND	17 2	ND	15.5	ND	17.1
C12-C28 Diesel Range Hydrocarbons		ND	17.0	19.1	17 3	ND	16 9	ND	17 2	ND	15.5	ND	17.1
C28-C35 Oil Range Hydrocarbons		ND	17.0	ND	17 3	ND	16 9	ND	17 2	ND	15.5	ND	17.1
Total TPH		ND		19 1		ND		ND		ND		ND	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 313348

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit # 43

Project Id: Fairway Resources
Contact: Curt Stanley
Project Location: East of Artesia, NM

Date Received in Lab: Fri Sep-26-08 02:00 pm
Report Date: 02-OCT-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	313348-013		313348-014		313348-015		313348-016		313348-017		313348-018	
	Field Id:	SW-5		NW-6		SW-6		Floor-7		Floor-8		NW-8	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Sep-24-08 11:07		Sep-24-08 11.10		Sep-24-08 11:15		Sep-24-08 11 20		Sep-24-08 11:25		Sep-24-08 11:30	
Anions by EPA 300/300.1	*Extracted:*												
	Analyzed:	Sep-29-08 08:50		Sep-29-08 08:50		Sep-29-08 08:50		Sep-29-08 08:50		Sep-29-08 08:50		Sep-29-08 08:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1710	54.1	78.1	10.4	390	11.3	4250	56 9	ND	13 5	9780	219
BTEX by EPA 8021B	*Extracted:*	Sep-26-08 16:47		Sep-26-08 16:47		Sep-26-08 16:47		Sep-26-08 16:47		Sep-26-08 16:47		Sep-26-08 16:47	
	Analyzed:	Sep-27-08 07 05		Sep-27-08 07:27		Sep-27-08 07:50		Sep-27-08 08:13		Sep-27-08 08:35		Sep-27-08 08 58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.0011	ND	0.0010	ND	0.0011	ND	0.0011	ND	0 0013	ND	0 0011
Toluene		ND	0 0022	ND	0 0021	ND	0 0023	ND	0.0023	ND	0.0027	ND	0.0022
Ethylbenzene		ND	0 0011	ND	0 0010	ND	0.0011	ND	0 0011	ND	0.0013	ND	0 0011
m,p-Xylenes		ND	0 0022	ND	0 0021	ND	0.0023	ND	0 0023	ND	0.0027	ND	0.0022
o-Xylene		ND	0 0011	ND	0 0010	ND	0 0011	ND	0 0011	ND	0.0013	ND	0 0011
Total Xylenes		ND		ND		ND		ND		ND		ND	
Total BTEX		ND		ND		ND		ND		ND		ND	
Percent Moisture	*Extracted:*												
	Analyzed:	Sep-29-08 15.13		Sep-29-08 15.13		Sep-29-08 15:13		Sep-29-08 15 13		Sep-29-08 15.13		Sep-29-08 15:13	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		7 59		3.85		11.4		12 1		25 7		8 62	
TPH By SW8015 Mod	*Extracted:*	Sep-30-08 16:15		Sep-30-08 16:15		Sep-30-08 16.15		Sep-30-08 16.15		Sep-30-08 16:15		Sep-30-08 16 15	
	Analyzed:	Oct-01-08 09.18		Oct-01-08 09:45		Oct-01-08 10 12		Oct-01-08 10 40		Oct-01-08 11:08		Oct-01-08 11 35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	16.2	ND	15 6	ND	16 9	ND	17.1	ND	20 2	ND	16 4
C12-C28 Diesel Range Hydrocarbons		ND	16.2	16 2	15 6	ND	16 9	ND	17 1	ND	20 2	ND	16 4
C28-C35 Oil Range Hydrocarbons		ND	16.2	ND	15 6	ND	16 9	ND	17 1	ND	20 2	ND	16 4
Total TPH		ND		16.2		ND		ND		ND		ND	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 313348

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit # 43

Project Id: Fairway Resources
Contact: Curt Stanley
Project Location: East of Artesia, NM

Date Received in Lab: Fri Sep-26-08 02:00 pm
Report Date: 02-OCT-08
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	313348-019					
	Field Id:	SW-8					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Sep-24-08 11:35					
Anions by EPA 300/300.1	*Extracted:*						
	Analyzed:	Sep-29-08 08:50					
	Units/RL:	mg/kg RL					
Chloride		113 11.3					
BTEX by EPA 8021B	*Extracted:*	Sep-26-08 16:47					
	Analyzed:	Sep-27-08 09:21					
	Units/RL:	mg/kg RL					
Benzene		ND 0.0011					
Toluene		ND 0.0023					
Ethylbenzene		ND 0.0011					
m,p-Xylenes		ND 0.0023					
o-Xylene		ND 0.0011					
Total Xylenes		ND					
Total BTEX		ND					
Percent Moisture	*Extracted:*						
	Analyzed:	Sep-29-08 15:13					
	Units/RL:	% RL					
Percent Moisture		11.8					
TPH By SW8015 Mod	*Extracted:*	Sep-30-08 16:15					
	Analyzed:	Oct-01-08 12:44					
	Units/RL:	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		ND 17.0					
C12-C28 Diesel Range Hydrocarbons		ND 17.0					
C28-C35 Oil Range Hydrocarbons		ND 17.0					
Total TPH		ND					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735513 **Sample:** 313348-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0376	0.0300	125	80-120	**
4-Bromofluorobenzene	0.0261	0.0300	87	80-120	

Lab Batch #: 735513 **Sample:** 313348-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0359	0.0300	120	80-120	
4-Bromofluorobenzene	0.0265	0.0300	88	80-120	

Lab Batch #: 735513 **Sample:** 313348-003 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0319	0.0300	106	80-120	
4-Bromofluorobenzene	0.0274	0.0300	91	80-120	

Lab Batch #: 735513 **Sample:** 313348-003 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0254	0.0300	85	80-120	

Lab Batch #: 735513 **Sample:** 313348-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0368	0.0300	123	80-120	**
4-Bromofluorobenzene	0.0257	0.0300	86	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735513 **Sample:** 313348-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0359	0.0300	120	80-120	
4-Bromofluorobenzene	0.0267	0.0300	89	80-120	

Lab Batch #: 735513 **Sample:** 313348-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0363	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0267	0.0300	89	80-120	

Lab Batch #: 735513 **Sample:** 313348-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0360	0.0300	120	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	

Lab Batch #: 735513 **Sample:** 313348-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0360	0.0300	120	80-120	
4-Bromofluorobenzene	0.0251	0.0300	84	80-120	

Lab Batch #: 735513 **Sample:** 313348-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0367	0.0300	122	80-120	**
4-Bromofluorobenzene	0.0263	0.0300	88	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735513 **Sample:** 313348-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0353	0.0300	118	80-120	
4-Bromofluorobenzene	0 0273	0.0300	91	80-120	

Lab Batch #: 735513 **Sample:** 313348-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0372	0.0300	124	80-120	**
4-Bromofluorobenzene	0.0260	0.0300	87	80-120	

Lab Batch #: 735513 **Sample:** 516468-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0280	0.0300	93	80-120	

Lab Batch #: 735513 **Sample:** 516468-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0369	0.0300	123	80-120	**
4-Bromofluorobenzene	0.0259	0.0300	86	80-120	

Lab Batch #: 735513 **Sample:** 516468-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0263	0.0300	88	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735516 **Sample:** 313348-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0361	0.0300	120	80-120	
4-Bromofluorobenzene	0.0279	0.0300	93	80-120	

Lab Batch #: 735516 **Sample:** 313348-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0362	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0275	0.0300	92	80-120	

Lab Batch #: 735516 **Sample:** 313348-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0363	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 735516 **Sample:** 313348-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0364	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0270	0.0300	90	80-120	

Lab Batch #: 735516 **Sample:** 313348-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0355	0.0300	118	80-120	
4-Bromofluorobenzene	0.0273	0.0300	91	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735516 **Sample:** 313348-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0362	0.0300	121	80-120	**
4-Bromofluorobenzene	0.0277	0.0300	92	80-120	

Lab Batch #: 735516 **Sample:** 313348-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0354	0.0300	118	80-120	
4-Bromofluorobenzene	0 0272	0.0300	91	80-120	

Lab Batch #: 735516 **Sample:** 313348-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0360	0 0300	120	80-120	
4-Bromofluorobenzene	0.0277	0.0300	92	80-120	

Lab Batch #: 735516 **Sample:** 313348-019 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	80-120	
4-Bromofluorobenzene	0.0280	0.0300	93	80-120	

Lab Batch #: 735516 **Sample:** 313348-019 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0303	0.0300	101	80-120	
4-Bromofluorobenzene	0 0295	0.0300	98	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735516 **Sample:** 516467-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	80-120	
4-Bromofluorobenzene	0.0252	0.0300	84	80-120	

Lab Batch #: 735516 **Sample:** 516467-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0365	0.0300	122	80-120	**
4-Bromofluorobenzene	0.0255	0.0300	85	80-120	

Lab Batch #: 735516 **Sample:** 516467-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0297	0.0300	99	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	

Lab Batch #: 735599 **Sample:** 313348-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0376	0.0300	125	80-120	**
4-Bromofluorobenzene	0.0283	0.0300	94	80-120	

Lab Batch #: 735599 **Sample:** 313348-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735599 **Sample:** 313348-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0390	0.0300	130	80-120	**
4-Bromofluorobenzene	0 0469	0.0300	156	80-120	**

Lab Batch #: 735599 **Sample:** 516528-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0 0253	0.0300	84	80-120	

Lab Batch #: 735599 **Sample:** 516528-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0369	0.0300	123	80-120	**
4-Bromofluorobenzene	0.0266	0.0300	89	80-120	

Lab Batch #: 735599 **Sample:** 516528-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0283	0.0300	94	80-120	
4-Bromofluorobenzene	0.0254	0 0300	85	80-120	

Lab Batch #: 735860 **Sample:** 313348-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	57.8	50.0	116	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735860 **Sample:** 313348-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	130	100	130	70-135	
o-Terphenyl	62 7	50.0	125	70-135	

Lab Batch #: 735860 **Sample:** 313348-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	100	125	70-135	
o-Terphenyl	59.5	50.0	119	70-135	

Lab Batch #: 735860 **Sample:** 313348-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	58.7	50.0	117	70-135	

Lab Batch #: 735860 **Sample:** 313348-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	58.6	50.0	117	70-135	

Lab Batch #: 735860 **Sample:** 313348-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.8	100	93	70-135	
o-Terphenyl	48 4	50.0	97	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735860 **Sample:** 313348-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	54.8	50.0	110	70-135	

Lab Batch #: 735860 **Sample:** 313348-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	54.7	50.0	109	70-135	

Lab Batch #: 735860 **Sample:** 313348-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	57.4	50.0	115	70-135	

Lab Batch #: 735860 **Sample:** 313348-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	57.0	50.0	114	70-135	

Lab Batch #: 735860 **Sample:** 313348-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	55.1	50.0	110	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735860 **Sample:** 313348-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	55.9	50.0	112	70-135	

Lab Batch #: 735860 **Sample:** 313348-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	56.1	50.0	112	70-135	

Lab Batch #: 735860 **Sample:** 313348-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	56.1	50.0	112	70-135	

Lab Batch #: 735860 **Sample:** 313348-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	55 5	50.0	111	70-135	

Lab Batch #: 735860 **Sample:** 313348-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	54.8	50.0	110	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735860 **Sample:** 313348-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	57 7	50.0	115	70-135	

Lab Batch #: 735860 **Sample:** 313348-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	56.8	50.0	114	70-135	

Lab Batch #: 735860 **Sample:** 313348-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	59.3	50.0	119	70-135	

Lab Batch #: 735860 **Sample:** 313348-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	58 8	50.0	118	70-135	

Lab Batch #: 735860 **Sample:** 313348-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	56.2	50.0	112	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit # 43

Work Orders : 313348,

Project ID: Fairway Resources

Lab Batch #: 735860 **Sample:** 516669-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	62.1	50.0	124	70-135	

Lab Batch #: 735860 **Sample:** 516669-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	100	117	70-135	
o-Terphenyl	59.0	50.0	118	70-135	

Lab Batch #: 735860 **Sample:** 516669-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	60.3	50.0	121	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: South Red Lake II Unit # 43

Work Order #: 313348 **Project ID:** Fairway Resources

Lab Batch #: 735562 **Sample:** 735562-1-BKS **Matrix:** Solid

Date Analyzed: 09/29/2008 **Date Prepared:** 09/29/2008 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Anions by EPA 300/300.1 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	10.0	8.94	89	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 313348 **Project ID:** Fairway Resources

Analyst: BRB **Date Prepared:** 09/26/2008 **Date Analyzed:** 09/27/2008

Lab Batch ID: 735516 **Sample:** 516467-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0995	100	0.1	0.1012	101	2	70-130	35	
Toluene	ND	0.1000	0.0942	94	0.1	0.0967	97	3	70-130	35	
Ethylbenzene	ND	0.1000	0.0942	94	0.1	0.0977	98	4	71-129	35	
m,p-Xylenes	ND	0.2000	0.1944	97	0.2	0.2019	101	4	70-135	35	
o-Xylene	ND	0.1000	0.0907	91	0.1	0.0950	95	5	71-133	35	

Analyst: BRB **Date Prepared:** 09/26/2008 **Date Analyzed:** 09/26/2008

Lab Batch ID: 735513 **Sample:** 516468-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0 1000	0.1101	110	0.1	0.1101	110	0	70-130	35	
Toluene	ND	0 1000	0.1079	108	0.1	0.1075	108	0	70-130	35	
Ethylbenzene	ND	0.1000	0.1124	112	0.1	0.1117	112	1	71-129	35	
m,p-Xylenes	ND	0.2000	0.2326	116	0.2	0.2305	115	1	70-135	35	
o-Xylene	ND	0.1000	0.1055	106	0.1	0.1037	104	2	71-133	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 313348 **Project ID:** Fairway Resources

Analyst: BRB **Date Prepared:** 09/29/2008 **Date Analyzed:** 09/29/2008

Lab Batch ID: 735599 **Sample:** 516528-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.1042	104	0.1	0.1121	112	7	70-130	35	
Toluene	ND	0 1000	0 1005	101	0.1	0.1083	108	7	70-130	35	
Ethylbenzene	ND	0.1000	0.1029	103	0 1	0 1108	111	7	71-129	35	
m,p-Xylenes	ND	0.2000	0.2137	107	0.2	0.2295	115	7	70-135	35	
o-Xylene	ND	0.1000	0.0958	96	0.1	0.1032	103	7	71-133	35	

Analyst: ASA **Date Prepared:** 09/30/2008 **Date Analyzed:** 10/01/2008

Lab Batch ID: 735860 **Sample:** 516669-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	929	93	1000	894	89	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	1030	103	1000	997	100	3	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: South Red Lake II Unit # 43

Work Order #: 313348
Lab Batch #: 735562
Date Analyzed: 09/29/2008
QC- Sample ID: 313348-001 S
Reporting Units: mg/kg

Date Prepared: 09/29/2008
Batch #: 1

Project ID: Fairway Resources
Analyst: LATCOR
Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	ND	231	234	101	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: South Red Lake II Unit # 43

Work Order # : 313348 **Project ID:** Fairway Resources

Lab Batch ID: 735513 **QC- Sample ID:** 313348-003 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/26/2008 **Date Prepared:** 09/26/2008 **Analyst:** BRB

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1158	0.0821	71	0.1158	0 0887	77	8	70-130	35	
Toluene	ND	0.1158	0.0582	50	0.1158	0.0654	56	11	70-130	35	X
Ethylbenzene	ND	0 1158	0.0377	33	0.1158	0.0448	39	17	71-129	35	X
m,p-Xylenes	ND	0.2317	0.0739	32	0.2317	0.0877	38	17	70-135	35	X
o-Xylene	ND	0.1158	0.0354	31	0.1158	0 0417	36	15	71-133	35	X

Lab Batch ID: 735516 **QC- Sample ID:** 313348-019 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/27/2008 **Date Prepared:** 09/26/2008 **Analyst:** BRB

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1134	0.0812	72	0.1134	0.0877	77	7	70-130	35	
Toluene	ND	0.1134	0.0783	69	0.1134	0.0862	76	10	70-130	35	X
Ethylbenzene	ND	0.1134	0.0795	70	0.1134	0.0880	78	11	71-129	35	X
m,p-Xylenes	ND	0.2268	0.1646	73	0.2268	0 1823	80	9	70-135	35	
o-Xylene	ND	0.1134	0.0741	65	0.1134	0.0819	72	10	71-133	35	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Form 3 - MS / MSD Recoveries

Project Name: South Red Lake II Unit # 43

Work Order # : 313348 **Project ID:** Fairway Resources

Lab Batch ID: 735599 **QC- Sample ID:** 313348-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/30/2008 **Date Prepared:** 09/29/2008 **Analyst:** BRB

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1113	0.0932	84	0 1113	0.0934	84	0	70-130	35	
Toluene	ND	0.1113	0.0860	77	0.1113	0.1094	98	24	70-130	35	
Ethylbenzene	ND	0.1113	0 0794	71	0.1113	0.0993	89	23	71-129	35	
m,p-Xylenes	ND	0.2227	0.1668	75	0.2227	0.2089	94	22	70-135	35	
o-Xylene	ND	0.1113	0.0762	68	0.1113	0.1050	94	32	71-133	35	X

Lab Batch ID: 735860 **QC- Sample ID:** 313348-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/01/2008 **Date Prepared:** 09/30/2008 **Analyst:** ASA

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1150	1060	92	1150	1000	87	6	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1150	1170	102	1150	1110	97	5	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: South Red Lake II Unit # 43

Work Order #: 313348

Lab Batch #: 735562 **Project ID:** Fairway Resources

Date Analyzed: 09/29/2008 **Date Prepared:** 09/29/2008 **Analyst:** LATCOR

QC- Sample ID: 313348-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by EPA 300/300.1 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	ND	ND	NC	20	

Lab Batch #: 735506

Date Analyzed: 09/29/2008 **Date Prepared:** 09/29/2008 **Analyst:** WRU

QC- Sample ID: 313348-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	13.3	13.2	1	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Curt Stanley Page 1 of 2

Project Name: South Red Lake II Unit #43

Company Name: Basin Environmental

Project #: Fairway Resources

Company Address: P O Box 301

Project Loc: East of Artesia, NM

City/State/Zip: Lovington, New Mexico 88260

PO #:

Telephone No: 575-441-2244 Fax No: 575-396-1429

Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: e-mail:

(lab use only)

ORDER #: 313348

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW-Drinking Water, SL-Sludge	GW-Groundwater, S-Soil/Solid	NP-Non Potable, Specify Other	Analyze For: TCLP / TOTAL: 8015B (8015M) TPH 418.1	TPH TX 1005	TPH TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or MTEX 8260	RCI	N O R M	Chlorides EPA 300		HOLD	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	EW-1			9/24/2008	1010		1	X											X									X			X				X
02	WW-1			9/24/2008	1015		1	X											X									X			X				X
03	EW-2			9/24/2008	1020		1	X											X									X			X				X
04	WW-2			9/24/2008	1025		1	X											X									X			X				X
05	EW-3			9/24/2008	1030		1	X											X									X			X				X
06	WW-3			9/24/2008	1035		1	X											X									X			X				X
07	Floor-4			9/24/2008	1040		1	X											X									X			X				X
08	EW-4			9/24/2008	1045		1	X											X									X			X				X
09	WW-4			9/24/2008	1050		1	X											X									X			X				X
10	Floor-5			9/24/2008	1055		1	X											X									X			X				X

Special Instructions:

BILL TO BASIN

Relinquished by	Date	Time	Received by	Date	Time
	9/26/08	1400			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Andrea Farr	9/26/08	14:00

Laboratory Comments.

Sample Containers Intact?		N
VOCs Free of Headspace?		N
Labels on container(s)		N
Custody seals on container(s)		N
Custody seals on cooler(s)		N
Sample Hand Delivered by Sampler/Client Rep ?		N
by Courier? UPS DHL FedEx Lone Star	4029 1755	
Temperature Upon Receipt	4.0	°C

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Curt Stanley Page 2 of 2

Company Name: Basin Environmental

Company Address: P O Box 301

City/State/Zip: Lovington, New Mexico 88260

Telephone No: 575-441-2244 Fax No. 575-396-1429

Sampler Signature:

Project Name: South Red Lake II Unit #43

Project #: Fairway Resources

Project Loc: East of Artesia, NM

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 313348

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid WW=Wastewater P=Other Solid	Analyze For: TPH 418.1 / 8015M	TPH TX 1005	TPH TX 1006	Cations (Ca Mg Na K)	Anions (Cl SO4 Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	H O R M	Chlorides EPA 300	HOLD	RUSH TAT (Pre-Scheduled) 24, 48, 72 hrs	Standard TAT
11	NW-5			9/24/2008	1100		1	X								Soil	X									X			X			X
12	Floor-6			9/24/2008	1105		1	X								Soil	X									X			X			X
13	SW-5			9/24/2008	1107		1	X								Soil	X									X			X			X
14	NW-6			9/24/2008	1110		1	X								Soil	X									X			X			X
15	SW-6			9/24/2008	1115		1	X								Soil	X									X			X			X
16	Floor-7			9/24/2008	1120		1	X								Soil	X									X			X			X
17	Floor-8			9/24/2008	1125		1	X								Soil	X									X			X			X
18	NW-8			9/24/2008	1130		1	X								Soil	X									X			X			X
19	SW-8			9/24/2008	1135		1	X								Soil	X									X			X			X

Special Instructions:
BILL TO BASIN

Relinquished by	Date	Time	Received by	Date	Time
	9/24/08	1400			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT: Andrea Fam	Date: 9 26 08	Time: 14 a

Laboratory Comments

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered by Sampler/Client Rep. ?	N
by Courier? UPS DHL FedEx Lone Star	

Temperature Upon Receipt: 4.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Env.

Date/ Time: 9 26 08 14.00

Lab ID #: 313348

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	4.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 321400

for

Basin Enivronmental Services

Project Manager: Curt Stanley

South Red Lake II Unit #43

Fairway Resources

31-DEC-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

31-DEC-08

Project Manager: **Curt Stanley**
Basin Enivronmental Services
P.O. Box 301
Lovington, NM 88260

Reference: XENCO Report No: **321400**
South Red Lake II Unit #43
Project Address: East of Artesia

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 321400. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 321400 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 321400

Basin Enivronmental Services, Lovington, NM

South Red Lake II Unit #43

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Floor #10	S	Dec-29-08 14:00		321400-001
EW #10	S	Dec-29-08 14:05		321400-002
SW #10	S	Dec-29-08 14:10		321400-003
NW #5A	S	Dec-29-08 14:15		321400-004
Floor #5A	S	Dec-29-08 14:20		321400-005
SW #5A	S	Dec-29-08 14:25		321400-006
NW #6A	S	Dec-29-08 14:30		321400-007
Floor #6A	S	Dec-29-08 14:35		321400-008
SW #6A	S	Dec-29-08 14:40		321400-009
NW #8A	S	Dec-29-08 14:45		321400-010
Floor #8A	S	Dec-29-08 14:50		321400-011
SW #8A	S	Dec-29-08 14:55		321400-012
NW #9	S	Dec-29-08 15:00		321400-013
Floor #9	S	Dec-29-08 15:05		321400-014
SW #9	S	Dec-29-08 15:10		321400-015

Certificate of Analysis Summary 321400

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit #43

Project Id: Fairway Resources
Contact: Curt Stanley
Project Location: East of Artesia

Date Received in Lab: Tue Dec-30-08 08:45 am
Report Date: 31-DEC-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	321400-001		321400-002		321400-003		321400-004		321400-005		321400-006	
	Field Id:	Floor #10		EW #10		SW #10		NW #5A		Floor #5A		SW #5A	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-29-08 14:00		Dec-29-08 14:05		Dec-29-08 14:10		Dec-29-08 14:15		Dec-29-08 14:20		Dec-29-08 14:25	
Anions by EPA 300	*Extracted:*												
	Analyzed:	Dec-30-08 12:07		Dec-30-08 12:07		Dec-30-08 12:07		Dec-30-08 12:07		Dec-30-08 12:07		Dec-30-08 12:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1360	22.8	934	11.4	389	10.9	326	10.3	179	11.6	1610	23.7
Percent Moisture	*Extracted:*												
	Analyzed:	Dec-30-08 17:00		Dec-30-08 17:00		Dec-30-08 17:00		Dec-30-08 17:00		Dec-30-08 17:00		Dec-30-08 17:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		12.2		12.6		8.37		3.19		13.7		15.7	
TPH By SW8015 Mod	*Extracted:*	Dec-30-08 09:50		Dec-30-08 09:50		Dec-30-08 09:50		Dec-30-08 09:50		Dec-30-08 09:50		Dec-30-08 09:50	
	Analyzed:	Dec-30-08 13:39		Dec-30-08 14:05		Dec-30-08 14:31		Dec-30-08 14:57		Dec-30-08 15:23		Dec-30-08 15:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17.1	ND	17.2	ND	16.4	ND	15.5	ND	17.4	ND	17.8
C12-C28 Diesel Range Hydrocarbons		ND	17.1	ND	17.2	ND	16.4	ND	15.5	ND	17.4	ND	17.8
C28-C35 Oil Range Hydrocarbons		ND	17.1	ND	17.2	ND	16.4	ND	15.5	ND	17.4	ND	17.8
Total TPH		ND	17.1	ND	17.2	ND	16.4	ND	15.5	ND	17.4	ND	17.8

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 321400

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit #43

Project Id: Fairway Resources
Contact: Curt Stanley
Project Location: East of Artesia

Date Received in Lab: Tue Dec-30-08 08:45 am
Report Date: 31-DEC-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	321400-007		321400-008		321400-009		321400-010		321400-011		321400-012	
	Field Id:	NW #6A		Floor #6A		SW #6A		NW #8A		Floor #8A		SW #8A	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-29-08 14:30		Dec-29-08 14:35		Dec-29-08 14:40		Dec-29-08 14:45		Dec-29-08 14 50		Dec-29-08 14.55	
Anions by EPA 300	*Extracted:*												
	Analyzed:	Dec-30-08 12:07		Dec-30-08 12 07		Dec-30-08 12 07		Dec-30-08 12:07		Dec-30-08 12:07		Dec-30-08 12 07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		90 0	11.0	ND	5.79	18 9	5 84	46.5	5.67	77 5	11.2	8.03	5.50
Percent Moisture	*Extracted:*												
	Analyzed:	Dec-30-08 17:00		Dec-30-08 17:00		Dec-30-08 17:00		Dec-30-08 17:00		Dec-30-08 17.00		Dec-30-08 17:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		9 32		13 7		14 4		11.8		11		9.16	
TPH By SW8015 Mod	*Extracted:*	Dec-30-08 09 50		Dec-30-08 09:50		Dec-30-08 09:50		Dec-30-08 09.50		Dec-30-08 09:50		Dec-30-08 09:50	
	Analyzed:	Dec-30-08 16:14		Dec-30-08 16:39		Dec-30-08 17:04		Dec-30-08 17 53		Dec-30-08 18:20		Dec-30-08 18:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	16 5	ND	17.4	ND	17.5	ND	17 0	ND	16 9	ND	16 5
C12-C28 Diesel Range Hydrocarbons		ND	16.5	ND	17.4	ND	17.5	ND	17 0	ND	16 9	ND	16 5
C28-C35 Oil Range Hydrocarbons		ND	16 5	ND	17.4	ND	17 5	ND	17 0	ND	16 9	ND	16.5
Total TPH		ND	16.5	ND	17 4	ND	17.5	ND	17 0	ND	16.9	ND	16.5

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 321400

Basin Enivronmental Services, Lovington, NM

Project Name: South Red Lake II Unit #43

Project Id: Fairway Resources
Contact: Curt Stanley
Project Location: East of Artesia

Date Received in Lab: Tue Dec-30-08 08:45 am
Report Date: 31-DEC-08
Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	321400-013		321400-014		321400-015					
	Field Id:	NW #9		Floor #9		SW #9					
	Depth:										
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Dec-29-08 15 00		Dec-29-08 15:05		Dec-29-08 15 10					
Anions by EPA 300	*Extracted:*										
	Analyzed:	Dec-30-08 12 07		Dec-30-08 12:07		Dec-30-08 12:07					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		40 8	5 65	49.1	32 0	13.2	5.57				
Percent Moisture	*Extracted:*										
	Analyzed:	Dec-30-08 17 00		Dec-30-08 17:00		Dec-30-08 17 00					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		11 5		37.5		10.3					
TPH By SW8015 Mod	*Extracted:*	Dec-30-08 09:50		Dec-30-08 09 50		Dec-30-08 09 50					
	Analyzed:	Dec-30-08 19.12		Dec-30-08 19:39		Dec-30-08 20:06					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	16 9	ND	24.0	ND	16 7				
C12-C28 Diesel Range Hydrocarbons		ND	16 9	ND	24.0	ND	16 7				
C28-C35 Oil Range Hydrocarbons		ND	16 9	ND	24.0	ND	16 7				
Total TPH		ND	16 9	ND	24.0	ND	16 7				

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit #43

Work Orders : 321400,

Project ID: Fairway Resources

Lab Batch #: 745197 **Sample:** 321400-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	51.7	50.0	103	70-135	

Lab Batch #: 745197 **Sample:** 321400-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	54.6	50.0	109	70-135	

Lab Batch #: 745197 **Sample:** 321400-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	169	100	169	70-135	**
o-Terphenyl	70.9	50.0	142	70-135	**

Lab Batch #: 745197 **Sample:** 321400-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	52 5	50.0	105	70-135	

Lab Batch #: 745197 **Sample:** 321400-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	51.2	50.0	102	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit #43

Work Orders : 321400,

Project ID: Fairway Resources

Lab Batch #: 745197 **Sample:** 321400-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	50.4	50.0	101	70-135	

Lab Batch #: 745197 **Sample:** 321400-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	51.1	50.0	102	70-135	

Lab Batch #: 745197 **Sample:** 321400-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	51.1	50.0	102	70-135	

Lab Batch #: 745197 **Sample:** 321400-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	51.3	50.0	103	70-135	

Lab Batch #: 745197 **Sample:** 321400-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	50.7	50.0	101	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit #43

Work Orders : 321400,

Project ID: Fairway Resources

Lab Batch #: 745197 **Sample:** 321400-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	50.8	50.0	102	70-135	

Lab Batch #: 745197 **Sample:** 321400-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	51.2	50.0	102	70-135	

Lab Batch #: 745197 **Sample:** 321400-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	51.0	50.0	102	70-135	

Lab Batch #: 745197 **Sample:** 321400-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.2	100	98	70-135	
o-Terphenyl	50.1	50 0	100	70-135	

Lab Batch #: 745197 **Sample:** 321400-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	51 0	50.0	102	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit #43

Work Orders : 321400,

Project ID: Fairway Resources

Lab Batch #: 745197 **Sample:** 321400-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	53.8	50.0	108	70-135	

Lab Batch #: 745197 **Sample:** 321400-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	57.4	50.0	115	70-135	

Lab Batch #: 745197 **Sample:** 522199-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	57.5	50.0	115	70-135	

Lab Batch #: 745197 **Sample:** 522199-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.5	100	100	70-135	
o-Terphenyl	50.6	50.0	101	70-135	

Lab Batch #: 745197 **Sample:** 522199-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	62.6	50.0	125	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: South Red Lake II Unit #43

Work Order #: 321400 **Project ID:** Fairway Resources

Lab Batch #: 745192 **Sample:** 745192-1-BKS **Matrix:** Solid

Date Analyzed: 12/30/2008 **Date Prepared:** 12/30/2008 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Anions by EPA 300 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	10.0	9.46	95	90-110	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: South Red Lake II Unit #43

Work Order #: 321400
Analyst: BHW
Lab Batch ID: 745197
Sample: 522199-1-BKS
Units: mg/kg

Date Prepared: 12/30/2008
Batch #: 1

Project ID: Fairway Resources
Date Analyzed: 12/30/2008
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	950	95	1000	940	94	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	993	99	1000	975	98	2	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: South Red Lake II Unit #43

Work Order #: 321400
Lab Batch #: 745192
Date Analyzed: 12/30/2008
QC- Sample ID: 321400-001 S
Reporting Units: mg/kg

Date Prepared: 12/30/2008
Batch #: 1

Project ID: Fairway Resources
Analyst: LATCOR
Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	1360	456	1880	114	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: South Red Lake II Unit #43

Work Order # : 321400 **Project ID:** Fairway Resources

Lab Batch ID: 745197 **QC- Sample ID:** 321400-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/30/2008 **Date Prepared:** 12/30/2008 **Analyst:** BHW

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1140	1170	103	1710	1650	96	7	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1140	1230	108	1710	1770	104	4	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: South Red Lake II Unit #43

Work Order #: 321400

Lab Batch #: 745192 **Project ID:** Fairway Resources

Date Analyzed: 12/30/2008 **Date Prepared:** 12/30/2008 **Analyst:** LATCOR

QC- Sample ID: 321400-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	1360	1370	1	20	

Lab Batch #: 745177

Date Analyzed: 12/30/2008 **Date Prepared:** 12/30/2008 **Analyst:** MOV

QC- Sample ID: 321400-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	12.2	12.3	1	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Curt Stanley
Company Name: Basin Environmental Consulting
Company Address: P.O. Box 301
City/State/Zip: Lovington, New Mexico 88260
Telephone No: 575-441-3244 Fax No: 575-396-1429
Sampler Signature: [signature] e-mail: cstanley@basin-consulting.com

Project Name: South Red Lake II Unit #43
Project #: Fairway Resources
Project Loc: East of Artesia, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 32400

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: Soil/Sediment	Water	Other	Analyze For: TPH 418.1 (8015M)	TPH TX 1005	TPH TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: Ag As Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Chlorides EPA 300		HOLD	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Floor #10			12/29/2008	1400		1	X								Soil			X												X				X
2	EW #10			12/29/2008	1405		1	X								Soil			X												X				X
3	SW #10			12/29/2008	1410		1	X								Soil			X												X				X
4	NW #5A			12/29/2008	1415		1	X								Soil			X												X				X
5	Floor #5A			12/29/2008	1420		1	X								Soil			X												X				X
6	SW #5A			12/29/2008	1425		1	X								Soil			X												X				X
7	NW #6A			12/29/2008	1430		1	X								Soil			X												X				X
8	Floor #6A			12/29/2008	1435		1	X								Soil			X												X				X
9	SW #6A			12/29/2008	1440		1	X								Soil			X												X				X
10	NW #3A			12/29/2008	1445		1	X								Soil			X												X				X

Special Instructions:
BILL TO BASIN ENVIRONMENTAL CONSULTING

Relinquished by	Date	Time	Received by:	Date	Time
[signature]	12/30/08	845			
Relinquished by	Date	Time	Received by:	Date	Time
Relinquished by	Date	Time	Received by ELOT	Date	Time
			[signature]	12-30-08	0845

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) N/A Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4.0 °C

Environmental Lab of Texas

A Xenco Laboratories Company

12600 West I-20 East
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Curt Stanley Page 2 of 2

Company Name: Basin Environmental Consulting

Company Address: P.O. Box 381

City/State/Zip: Lovington, New Mexico 88260

Telephone No: 575-441-2244 Fax No: 575-396-1429

Sampler Signature: Curt D. Stanley for Jerry Walters e-mail: cdstanley@basin-consulting.com

Project Name: South Red Lake II Unit #43

Project #: Fairway Resources

Project Loc: East of Artesia, NM

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 321400

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers 4 oz glass	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides EPA 300		HOLD	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	Floor #8A			12/29/2008	1450		1	X								Soil	X											X				X
12	SW #8A			12/29/2008	1455		1	X								Soil	X											X				X
13	NW #9			12/29/2008	1500		1	X								Soil	X											X				X
14	Floor #9			12/29/2008	1505		1	X								Soil	X											X				X
15	SW #9			12/29/2008	1510		1	X								Soil	X											X				X

Special Instructions:
BILL TO BASIN ENVIRONMENTAL CONSULTING

Relinquished by	Date	Time	Received by	Date	Time
Curt D. Stanley	12/30/08	845			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT:	Date	Time
			[signature]	12-30-08	0845

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Labels on container(s) (Y) N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) Y (N/A)
Sample Hand Delivered (Y) N
by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Environmental

Date/ Time: 12-30-08 @ 0845

Lab ID #: 321400

Initials: JMM

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	4.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 321559

for

Basin Environmental Consulting, LLC

Project Manager: Curt Stanley

Fairway Resources

South Red Lake II Unit #43

06-JAN-09

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

06-JAN-09

Project Manager: **Curt Stanley**
Basin Environmental Consulting, LLC
P.O. Box 381
Lovington, NM 88260

Reference: XENCO Report No: **321559**
Fairway Resources
Project Address: East of Artesia, NM

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 321559. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 321559 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 321559

Basin Environmental Consulting, LLC, Lovington, NM

Fairway Resources

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EW #1A	S	Dec-30-08 13:00		321559-001
WW #1A	S	Dec-30-08 13:05		321559-002
Floor #1A	S	Dec-30-08 13:10		321559-003
EW #2A	S	Dec-30-08 13:15		321559-004
WW #2A	S	Dec-30-08 13:20		321559-005
Floor #2A	S	Dec-30-08 13:25		321559-006
EW #3A	S	Dec-30-08 13:30		321559-007
WW #3A	S	Dec-30-08 13:35		321559-008
Floor #3A	S	Dec-30-08 13:40		321559-009
EW #4A	S	Dec-30-08 13:45		321559-010
WW #4A	S	Dec-30-08 13:50		321559-011
Floor #4A	S	Dec-30-08 13:55		321559-012
Floor #7A	S	Dec-30-08 14:00		321559-013
Backfill	S	Dec-30-08 14:05		321559-014

Certificate of Analysis Summary 321559

Basin Environmental Consulting, LLC, Lovington, NM

Project Name: Fairway Resources

Project Id: South Red Lake II Unit #43
Contact: Curt Stanley
Project Location: East of Artesia, NM

Date Received in Lab: Wed Dec-31-08 04:10 pm
Report Date: 06-JAN-09
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	321559-001		321559-002		321559-003		321559-004		321559-005		321559-006	
	Field Id:	EW #1A		WW #1A		Floor #1A		EW #2A		WW #2A		Floor #2A	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-30-08 13:00		Dec-30-08 13 05		Dec-30-08 13:10		Dec-30-08 13:15		Dec-30-08 13:20		Dec-30-08 13 25	
Anions by EPA 300	*Extracted:*												
	Analyzed:	Jan-05-09 14:05		Jan-05-09 14:05		Jan-05-09 14:05		Jan-05-09 14.05		Jan-05-09 14:05		Jan-05-09 14 05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2160	28.7	692	11 7	2520	22 8	4620	58 5	4010	56 9	3940	58 8
Percent Moisture	*Extracted:*												
	Analyzed:	Jan-05-09 12:12		Jan-05-09 12.12		Jan-05-09 12:12		Jan-05-09 12:12		Jan-05-09 12:12		Jan-05-09 12 12	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		13.03	1.00	14.19	1 00	12 17	1.00	14.49	1 00	12 19	1 00	14.96	1.00
TPH By SW8015 Mod	*Extracted:*	Jan-05-09 10.30		Jan-05-09 10.30		Jan-05-09 10.30		Jan-05-09 10:30		Jan-05-09 10:30		Jan-05-09 10.30	
	Analyzed:	Jan-05-09 11:31		Jan-05-09 11:54		Jan-05-09 12:17		Jan-05-09 12:41		Jan-05-09 13:04		Jan-05-09 13:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17 2	ND	17.5	ND	17 1	354	17.5	ND	17 1	ND	17 6
C12-C28 Diesel Range Hydrocarbons		ND	17 2	ND	17 5	83.0	17 1	1450	17.5	ND	17.1	ND	17.6
C28-C35 Oil Range Hydrocarbons		ND	17 2	ND	17 5	ND	17 1	206	17.5	ND	17.1	ND	17.6
Total TPH		ND	17.2	ND	17 5	83	17.1	2010	17.5	ND	17.1	ND	17.6

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 321559

Basin Environmental Consulting, LLC, Lovington, NM

Project Name: Fairway Resources

Project Id: South Red Lake II Unit #43
Contact: Curt Stanley
Project Location: East of Artesia, NM

Date Received in Lab: Wed Dec-31-08 04:10 pm
Report Date: 06-JAN-09
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	321559-007		321559-008		321559-009		321559-010		321559-011		321559-012	
	Field Id:	EW #3A		WW #3A		Floor #3A		EW #4A		WW #4A		Floor #4A	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-30-08 13:30		Dec-30-08 13:35		Dec-30-08 13.40		Dec-30-08 13 45		Dec-30-08 13:50		Dec-30-08 13:55	
Anions by EPA 300	*Extracted:*												
	Analyzed:	Jan-05-09 14:05		Jan-05-09 14.05		Jan-05-09 14:05		Jan-05-09 14:05		Jan-05-09 14:05		Jan-05-09 14:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3910	57.3	4770	58 4	4690	57.9	335	12.0	444	11 4	1280	22 6
Percent Moisture	*Extracted:*												
	Analyzed:	Jan-05-09 12:12		Jan-05-09 12:12		Jan-05-09 12:12		Jan-05-09 12:12		Jan-05-09 12:12		Jan-05-09 12 12	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		12.81	1.00	14.41	1.00	13 60	1 00	16 39	1.00	12 00	1.00	11.31	1 00
TPH By SW8015 Mod	*Extracted:*	Jan-05-09 10.30		Jan-05-09 10:30		Jan-05-09 10:30		Jan-05-09 10:30		Jan-05-09 10 30		Jan-05-09 10:30	
	Analyzed:	Jan-05-09 13 52		Jan-05-09 14:15		Jan-05-09 14:39		Jan-06-09 10.33		Jan-05-09 15 49		Jan-05-09 16:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17 2	ND	17.5	659	17 4	ND	17.9	ND	17 0	ND	16.9
C12-C28 Diesel Range Hydrocarbons		ND	17 2	ND	17.5	2310	17 4	ND	17.9	ND	17 0	ND	16 9
C28-C35 Oil Range Hydrocarbons		ND	17.2	ND	17.5	313	17.4	ND	17 9	ND	17 0	ND	16 9
Total TPH		ND	17.2	ND	17 5	3282	17.4	ND	17.9	ND	17 0	ND	16 9

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 321559

Basin Environmental Consulting, LLC, Lovington, NM

Project Name: Fairway Resources

Project Id: South Red Lake II Unit #43
Contact: Curt Stanley
Project Location: East of Artesia, NM

Date Received in Lab: Wed Dec-31-08 04:10 pm
Report Date: 06-JAN-09
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	321559-013		321559-014					
	Field Id:	Floor #7A		Backfill					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	Dec-30-08 14:00		Dec-30-08 14:05					
Anions by EPA 300	*Extracted:*								
	Analyzed:	Jan-05-09 14:05		Jan-05-09 14:05					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		363	11.6	369	11.4				
Percent Moisture	*Extracted:*								
	Analyzed:	Jan-05-09 12:12		Jan-05-09 12:12					
	Units/RL:	%	RL	%	RL				
Percent Moisture		13.95	1.00	12.36	1.00				
TPH By SW8015 Mod	*Extracted:*	Jan-05-09 10:30		Jan-05-09 10:30					
	Analyzed:	Jan-05-09 16:36		Jan-05-09 17:00					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	17.4	ND	17.1				
C12-C28 Diesel Range Hydrocarbons		ND	17.4	ND	17.1				
C28-C35 Oil Range Hydrocarbons		ND	17.4	ND	17.1				
Total TPH		ND	17.4	ND	17.1				

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: Fairway Resources

Work Orders : 321559,

Project ID: South Red Lake II Unit #43

Lab Batch #: 745566 **Sample:** 321559-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	51.8	50.0	104	70-135	

Lab Batch #: 745566 **Sample:** 321559-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	51.9	50.0	104	70-135	

Lab Batch #: 745566 **Sample:** 321559-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	25.6	100	26	70-135	**
o-Terphenyl	8.34	50.0	17	70-135	**

Lab Batch #: 745566 **Sample:** 321559-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	26.6	100	27	70-135	**
o-Terphenyl	8.58	50.0	17	70-135	**

Lab Batch #: 745566 **Sample:** 321559-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	52.8	50.0	106	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Fairway Resources

Work Orders : 321559,

Project ID: South Red Lake II Unit #43

Lab Batch #: 745566 **Sample:** 321559-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	57.9	50.0	116	70-135	

Lab Batch #: 745566 **Sample:** 321559-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	52.3	50.0	105	70-135	

Lab Batch #: 745566 **Sample:** 321559-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	52 3	50.0	105	70-135	

Lab Batch #: 745566 **Sample:** 321559-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	51.7	50.0	103	70-135	

Lab Batch #: 745566 **Sample:** 321559-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	51 6	50.0	103	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes

Form 2 - Surrogate Recoveries

Project Name: Fairway Resources

Work Orders : 321559,

Project ID: South Red Lake II Unit #43

Lab Batch #: 745566 **Sample:** 321559-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	57.4	50.0	115	70-135	

Lab Batch #: 745566 **Sample:** 321559-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	54.9	50.0	110	70-135	

Lab Batch #: 745566 **Sample:** 321559-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	52.5	50.0	105	70-135	

Lab Batch #: 745566 **Sample:** 321559-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	52.5	50.0	105	70-135	

Lab Batch #: 745566 **Sample:** 321559-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	51 5	50.0	103	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Fairway Resources

Work Orders : 321559,

Project ID: South Red Lake II Unit #43

Lab Batch #: 745566 **Sample:** 321559-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	52.8	50.0	106	70-135	

Lab Batch #: 745566 **Sample:** 522434-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	100	117	70-135	
o-Terphenyl	57.3	50.0	115	70-135	

Lab Batch #: 745566 **Sample:** 522434-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	52.2	50.0	104	70-135	

Lab Batch #: 745566 **Sample:** 522434-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	61.5	50.0	123	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes

Blank Spike Recovery

Project Name: Fairway Resources

Work Order #: 321559 **Project ID:** South Red Lake II Unit #43

Lab Batch #: 745513 **Sample:** 745513-1-BKS **Matrix:** Solid

Date Analyzed: 01/05/2009 **Date Prepared:** 01/05/2009 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Anions by EPA 300 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	10.0	10.2	102	90-110	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Fairway Resources

Work Order #: 321559
Analyst: BHW
Lab Batch ID: 745566
Sample: 522434-1-BKS
Units: mg/kg

Date Prepared: 01/05/2009
Batch #: 1

Project ID: South Red Lake II Unit #43
Date Analyzed: 01/05/2009
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	954	95	1000	959	96	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	1020	102	1000	1050	105	3	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Fairway Resources

Work Order #: 321559
Lab Batch #: 745513
Date Analyzed: 01/05/2009
QC- Sample ID: 321559-001 S
Reporting Units: mg/kg

Date Prepared: 01/05/2009
Batch #: 1

Project ID: South Red Lake II Unit #43
Analyst: LATCOR
Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	2160	575	2690	92	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Fairway Resources

Work Order # : 321559 **Project ID:** South Red Lake II Unit #43

Lab Batch ID: 745566 **QC- Sample ID:** 321559-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/05/2009 **Date Prepared:** 01/05/2009 **Analyst:** BHW

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1170	1120	96	1170	1150	98	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1170	1180	101	1170	1220	104	3	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Fairway Resources

Work Order #: 321559

Lab Batch #: 745513 **Project ID:** South Red Lake II Unit #43

Date Analyzed: 01/05/2009 **Date Prepared:** 01/05/2009 **Analyst:** LATCOR

QC- Sample ID: 321559-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	2160	2130	1	20	

Lab Batch #: 745434

Date Analyzed: 01/05/2009 **Date Prepared:** 01/05/2009 **Analyst:** BEV

QC- Sample ID: 321559-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	13.0	12.7	3	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

Page 1 of 2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Curt Stanley
Company Name: Basin Environmental Consulting
Company Address: P.O. Box 301
City/State/Zip: Lovington, New Mexico 88260
Telephone No: 575-441-2244 Fax No: 575-396-1429
Sampler Signature: [signature]

Project Name: Fairway Resources
Project #: South Red Lake II Unit #43
Project Loc: East of Artesia, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES
e-mail: cstanley@basin-consulting.com

(lab use only)
ORDER #: 321559

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: SW – Drinking Water, SL – Sludge; GW – Groundwater, S – Soil/Solid; NP – Non Potable, Specify Other	Analyze For: TCLP: TPH: 418.1 (8015M)	TPH: TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	HCl	N.O.R.M.	Chlorides E 300		HOLD	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	EW #1A			12/30/2008	1300		1	X								Soil	X											X				X
2	WW #1A			12/30/2008	1305		1	X								Soil	X											X				X
3	Floor #1A			12/30/2008	1310		1	X								Soil	X											X				X
4	EW #2A			12/30/2008	1315		1	X								Soil	X											X				X
5	WW #2A			12/30/2008	1320		1	X								Soil	X											X				X
6	Floor #2A			12/30/2008	1325		1	X								Soil	X											X				X
7	EW #3A			12/30/2008	1330		1	X								Soil	X											X				X
8	WW #3A			12/30/2008	1335		1	X								Soil	X											X				X
9	Floor #3A			12/30/2008	1340		1	X								Soil	X											X				X
10	EW #4A			12/30/2008	1345		1	X								Soil	X											X				X

Special Instructions:
Bill to Basin Environmental Consulting

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/31/08	1610			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: [signature]	Date: 12-31-08	Time: 1611

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 3.0 °C

Environmental Lab of Texas

A Xenco Laboratories Company

Page 2 of 2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Curt Stanley
Company Name: Basin Environmental Consulting
Company Address: P.O. Box 301
City/State/Zip: Lovington, New Mexico 88260
Telephone No: 575-441-2244 Fax No: 575-396-1429
Sampler Signature: (LAG) Stanley/Womack e-mail cstanley@basin-consulting.com

Project Name: Fairway Resources
Project #: South Red Lake II Unit #43
Project Loc: East of Artesia, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 321559

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	# of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW = Drinking Water, GW = Groundwater, NP = Non Potable, S = Soil/Sed, Specify Other	Analyze For: TPH: 418.1 / 8015M	TPH: TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	HOLD	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	WW #4A			12/30/2008	1350	1	X								Soil	X											X			X
12	Floor #4A			12/30/2008	1355	1	X								Soil	X											X			X
13	Floor #7A			12/30/2008	1400	1	X								Soil	X											X			X
14	Backfill			12/30/2008	1405	1	X								Soil	X											X			X

Special Instructions:
Bill to Basin Environmental Consulting

Relinquished by:	Date: 12/31/08	Time: 1610	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by ELOT:	Date: 12/31/08	Time: 1610

Laboratory Comments:
Sample Containers intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 3.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Environmental

Date/ Time: 12-31-08 @ 1610

Lab ID #: 321559

Initials: JMF

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	3.0 °C	
#2	Shipping container in good condition?	Yes	No	(N/A)	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present (N/A)	
#4	Custody Seals intact on sample bottles/ container? / label	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Appendix B
Photographs

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, 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

JUN 20 2008
OCD-ARTESIA

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

iSEB0819256396
nSEB0819256221

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Fairway Resources Operating LLC 241598	Contact Kenneth Pearce
Address 538 Silicon Drive, Suite 101, Southlake, TX 76092	Telephone No. 817-416-1946
Facility Name South Red Lake II Unit #43 30-015-23913	Facility Type oil well

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No. NM109695X

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
"K"	36	17-S	27-E	1,650	South	1,650	West	Eddy

Latitude 32.7877800 **Longitude** -104.2350200

NATURE OF RELEASE

Type of Release Produced water and crude oil	Volume of Release 25 bbls est.	Volume Recovered 20 bbls est.
Source of Release Flowline leak near the wellhead	Date and Hour of Occurrence 6/16/08 unknown time	Date and Hour of Discovery 6/17/08 8:00am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom? Kenneth Pearce	Date and Hour 6/17/08	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A leak developed in a steel nipple at the wellhead flowline connection. The nipple was replaced, repairing the leak.

Describe Area Affected and Cleanup Action Taken.*

The affected area was the well location, lease road, and area immediately along the lease road.

All free-standing liquids were picked-up with a vacuum truck and transported to the central facility. A remediation work plan will be prepared and submitted for approval within 30 days of this notification.

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

Signature: Kenneth Pearce

Printed Name: Kenneth Pearce

Title: Operations Engineer

E-mail Address: kpearce@fairwayresources.com

Date: June 17, 2008 Phone: 817-416-1946

* Attach Additional Sheets If Necessary

SEB0819256504

OIL CONSERVATION DIVISION

Approved by District Supervisor: Tawn by SB.

Remediation Actions to be completed and Final C-141 submitted with confirmation analyses/documentation on or before the Expiration Date.

Approval Date: 7-10-08 Expiration Date: 9-12-08

Conditions of Approval:

The plan must include general site characteristics, site ranking score, soil remediation action levels, soil remediation methods, and planned analytical testing for TPH, B-TEX, Chlorides or any other COCs as applicable. Please use the "Guidelines for Remediation of Leaks, Spills, & Releases" as your guide. This document may be found at the following link. http://www.emnrd.state.nm.us/ocd/documents/7C_spill1.pdf

Attached ☐

2RP-188

Notify OCD 48 hours prior to obtaining samples where analyses are to be presented to OCD

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

JUN 26 2009

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report X **Final Report**

Name of Company Fairway Resources Operating, LLC	Contact Jay Pulte
Address 538 Silicon Drive, Ste. 101, Southlake, Texas 76092	Telephone No. (817) 416-1946
Facility Name **South Red Lake II Unit #43**	Facility Type Oil Well

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No. NM10695X

30015239 13

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
"K"	36	17S	27E	1,650'	South	1,650	West	Eddy

Latitude 32.7877800° North **Longitude** 104.2350200° West

NATURE OF RELEASE

Type of Release Produced Water and Crude Oil	Volume of Release 25 bbls (est.)	Volume Recovered 20 bbls (est)
Source of Release Flowline Release Near Wellhead	Date and Hour of Occurrence 06/16/08 @ unknown time	Date and Hour of Discovery 06/17/08 - 0800 hours
Was Immediate Notice Given? Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken:

A steel nipple failed at the wellhead flowline connection. Free liquids were recovered and transported to the central facility using a vacuum truck. Following mitigation of the release, the nipple was replaced.

Describe Area Affected and Cleanup Action Taken.

Approximately 2,830 cubic yards of impacted soil was excavated, stockpiled and transported to Lea Land Landfill (Permit #NM-01-0035) for disposal. Confirmation soil samples were collected and submitted to the laboratory for analysis. With NMOCD Artesia Office approval a risk- based site closure was employed, utilizing a polyethylene liner. Following the installation of the liner, the excavation was backfilled with locally purchased native soil. A *Remediation Summary and Site Closure Request* dated May 2009 was submitted to the NMOCD Artesia Office and contains additional details and documentation not contained in this document.

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

Signature: Jay Pulte	OIL CONSERVATION DIVISION
Printed Name: Jay Pulte	Approved by District Supervisor:
Title: Operations Engineer	Approval Date: 6-29-09 Expiration Date: N/A
E-mail Address: jpulte@fairwayresources.com	Conditions of Approval: N/A 2RP-0188
Date: 6/24/09 Phone: (817) 416-1946	