3R - 137

REPORTS

DATE:
4/20/2007

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

3R0141
3R0137

April 20, 2007

Project No. 05161-005

Mr. Glen von Gonten
NMOCD
1220 South St. Francis Dr.
Santa Fe, NM 87505

Phone (505) 476-3440

RE: DUNCAN OIL FOURTH 2006-2007 QUARTERLY MONITORING REPORT

Dear Mr. von Gonten:

Enclosed please find one (1) copy of the report entitled, *Duncan Oil Fourth 2006-2007 Quarterly Monitoring Report.* This report details the fourth quarterly monitoring for the North Hogback 12-1, North Hogback 12-4, and North Hogback 12-9 locations on the Navajo Nation in San Juan County, New Mexico.

We appreciate the opportunity to be of service. If you should have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.

Greg Crabtree
Environmental Engineer
gcrabtree@envirotech-inc.com

Enclosure: One (1) copy

DUNCAN OIL
FOURTH 2006-2007 QUARTERLY MONITORING REPORT
NORTH HOGBACK 12-1, 12-4, AND 12-9
NAVAJO NATION
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

INTRODUCTION

Envirotech, Inc. has completed the fourth quarterly monitoring of seven (7) monitor wells at the Duncan Oil North Hogback 12-1, 12-4, and 12-9 well sites; see ***Figure 1 Vicinity Map.*** Contaminated soil was previously excavated from the sites in September and October of 2005 and monitor wells were installed. The contaminated soil was transported to Envirotech's NMOCD permitted landfarm at Hilltop, NM, for remediation. Water samples collected at the time of excavation indicated that the three (3) sites previously referenced had residual contaminants in the groundwater above the guidelines set forth by the USEPA and adopted by the NNEPA.

GROUNDWATER SAMPLING AND ANALYSIS

Groundwater sampling/monitoring was performed on four (4) monitor wells on April 02, 2007. Prior to sampling a minimum of three (3) well volumes of water were bailed out of each well with a new disposable bailer.

Water levels were calculated from the surveying data to draw a water level map. Water levels and groundwater gradient for the North Hogback 12-1 and 12-9 are shown on ***Figure 3, North Hogback 12-1 and 12-9 Water Level Map.*** It appears that the groundwater is moving from southeast to northwest across the 12-1 and 12-9 sites. Water levels for the individual wells are tabulated in ***Table 1: Water Levels*** below.

Table 1: Water Levels

Name	Casing Elevation	Water Depth	Water Elevation
N. Hogback 12-1 MW-1	5025.84	20.28	5005.56
N. Hogback 12-1 MW-2	5027.47	19.34	5008.13
N. Hogback 12-9 MW-1	5026.12	9.52	5016.6
N. Hogback 12-9 MW-2	5025.61	9.68	5015.93
N. Hogback 12-4 MW-1	4966.45	4.76	4961.69
N. Hogback 12-4 MW-2	4966.60	5.11	4961.49
N. Hogback 12-4 MW-3	4967.44	5.89	4961.55

North Hogback 12-9

Samples were collected from the two (2) monitor wells at the North Hogback 12-9 and analyzed for lead, manganese, and iron via USEPA Method 6010B. Results from this analysis are summarized in ***Table 2: Summary of Laboratory Metals Analysis of North Hogback 12-9*** below and laboratory certificates are presented in ***Section 2: Laboratory Water Sample Results.***

Table 2: Summary of Laboratory Metals Analysis for North Hogback 12-9

Analyte	Monitor Well #1	Monitor Well #2	**Regulated Level**
Iron (ppm)	0.119	0.325	**1.0**
Manganese (ppm)	**0.387**	**0.493**	**0.2**
Lead (ppm)	0.004	0.003	**0.050**

Values in bold exceed the USEPA and NNEPA regulated level
ND – indicates analyte is below the method detection limit

Manganese is above standards for both MW-1 and MW-2. Manganese concentrations decreased from the values reported in the third quarter sampling event in MW-1 and in MW-2; see ***Section 3: Historical Data.***

North Hogback 12-1

Samples were collected from the two (2) monitor wells at the North Hogback 12-1 and analyzed for benzene, toluene, ethylbenzene, and total xylene (BTEX) via USEPA method 8021B. Results from this analysis are summarized in ***Table 3: Summary of Laboratory BTEX Analysis for North Hogback 12-1*** below and laboratory certificates are presented in ***Section 2: Laboratory Water Sample Results.*** Both wells bailed dry after approximately 0.5 gallons of water was bailed out.

Table 3: Summary of Laboratory BTEX Analysis for North Hogback 12-1

Analyte	Monitor Well #1	Monitor Well #2	**Regulated Level**
Benzene (ppb)	**121**	ND	**5.0**
Toluene (ppb)	301	ND	**1,000**
Ethylbenzene (ppb)	359	0.6	**700**
Total Xylenes (ppb)	1748	1.8	**10,000**

ND – indicates analyte is below the method detection limit

North Hogback 12-4

Three (3) consecutive quarters of contaminants of concern below the regulated limit has been achieved at the North Hogback 12-4 site as of the 2006-2007 Third Quarter sampling event. An Envirotech representative contacted the NNEPA on April 02, 2007 with regards to the closure of North Hogback 12-4; see ***Appendix: Record of Communication***. Mr. Bill Freeman of the NNEPA informed Envirotech that closure of the site could occur after three (3) consecutive quarters of contaminants of concern below the regulated limit. Below are tables from all three (3) quarters showing contaminants of concern below the regulated limit; see ***Tables 4, 5, & 6.***

Table 4: Summary of Laboratory BTEX Analysis for North Hogback 12-4, *First Quarter*

Analyte	Monitor Well #1	Monitor Well #2	Monitor Well #3	**Regulated Level**
Benzene	ND	3.7	ND	**5.0**
Toluene	27.1	4.6	2.0	**1,000**
Ethylbenzene	30.6	5.6	ND	**700**
Total Xylenes	140	50.4	9.7	**10,000**

ND – indicates analyte is below the method detection limit

Table 5: Summary of Laboratory BTEX Analysis for North Hogback 12-4, *Second Quarter*

Analyte	Monitor Well #1	Monitor Well #2	Monitor Well #3	**Regulated Level**
Benzene (ppb)	ND	3.1	ND	**5.0**
Toluene (ppb)	1.9	1.6	ND	**1,000**
Ethylbenzene (ppb)	1.3	2.8	0.7	**700**
Total Xylenes (ppb)	1.9	6.7	ND	**10,000**

ND – indicates analyte is below the method detection limit

Table 6: Summary of Laboratory BTEX Analysis for North Hogback 12-4, *Third Quarter*

Analyte	Monitor Well #1	Monitor Well #2	Monitor Well #3	**Regulated Level**
Benzene (ppb)	ND	ND	ND	**5.0**
Toluene (ppb)	51.2	3.5	ND	**1,000**
Ethylbenzene (ppb)	26.6	0.7	ND	**700**
Total Xylenes (ppb)	118.5	8.4	1.1	**10,000**

ND – indicates analyte is below the method detection limit

SUMMARY AND CONCLUSIONS

Envirotech has completed the fourth quarterly monitoring of four (4) monitor wells at the North Hogback 12-1, 12-4, and 12-9 well sites.

Three (3) consecutive quarters of contaminants of concern below the regulated limit has been achieved at the North Hogback 12-4 site as of the third quarter's sampling event in January 2007. An Envirotech representative contacted the NNEPA on April 02, 2007 with regards to the closure of North Hogback 12-4; see ***Appendix: Record of Communication***. Mr. Bill Freeman of the NNEPA informed Envirotech that closure of the site could occur after three (3) consecutive quarters of contaminants of concern below the regulated limit. If written approval is received from the NNEPA and USEPA, the wells can be plugged and abandoned at the North Hogback 12-4 well site.

At the North Hogback 12-1 location, all contaminants of concern analyzed for are below the regulated limit except Benzene. BTEX levels increased significantly from the previous sampling event, this could be from re-entrainment of contamination from the vadose zone due to the fluctuation in water levels. Envirotech recommends a minimum of three (3) additional sampling events at this site.

At the North Hogback 12-9 location, manganese was slightly higher than the regulated level in both monitor wells at 0.387 and 0.493 ppm respectively. Envirotech recommends a minimum of three (3) additional sampling events at this site. Although manganese is above the regulated level it has shown a decrease from the last sampling event in January.

We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.

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MORRIS D. YOUNG, C.E.S.
NEW MEXICO
098
CERTIFIED SCIENTIST

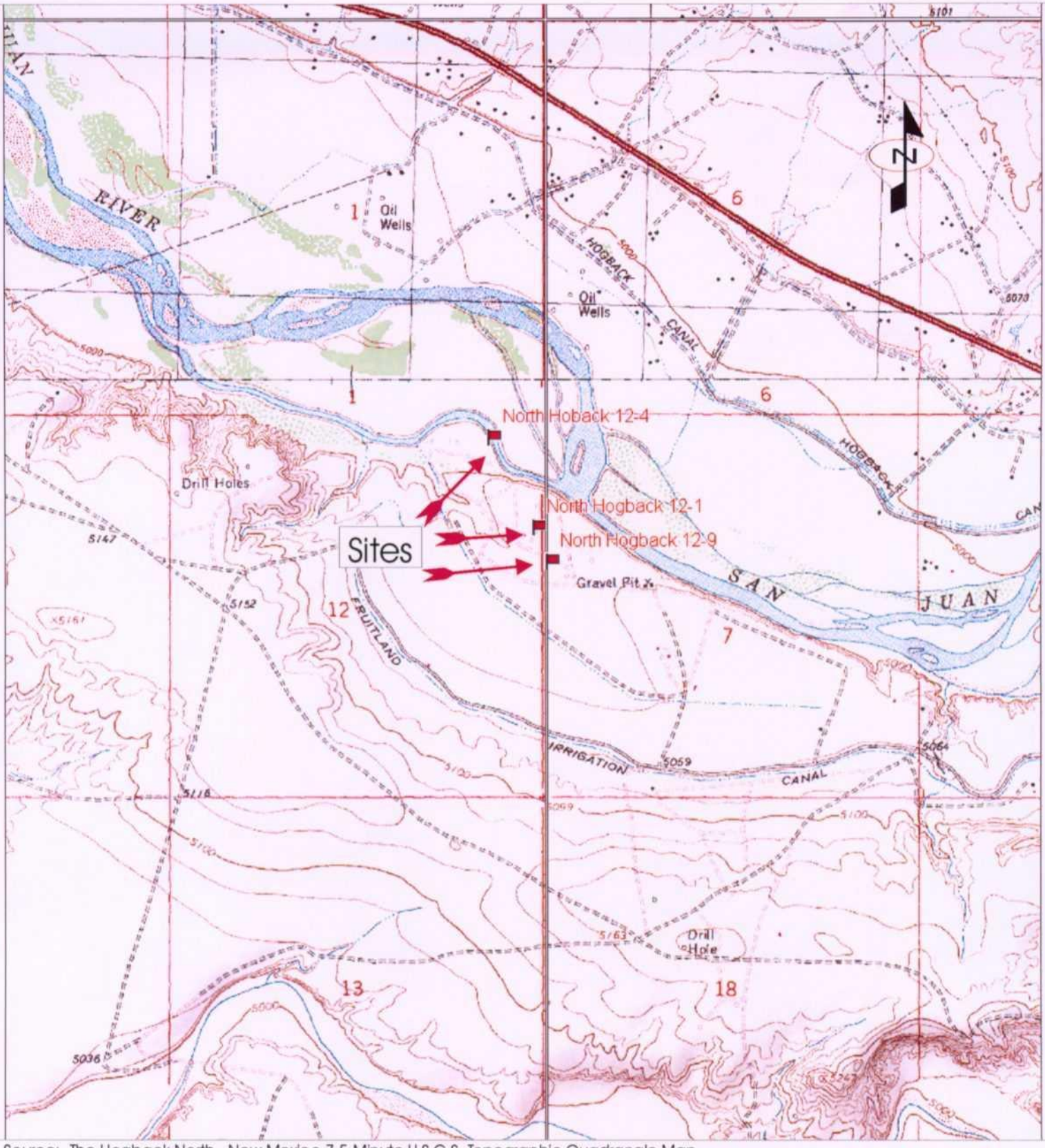
SECTION 1:

Figure 1, Vicinity Map

Figure 2, North Hogback 12-1 and 12-9 Site Map

Figure 3, North Hogback 12-1 and 12-9 Water Level Map

Figure 4, North Hogback 12-1 and 12-9 Benzene Concentration Map



Source: The Hogback North, New Mexico 7.5 Minute U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000 1" = 2000'

North Hogback 12-1, 12-4, & 12-9
Section 12, Township 29N, Range 16W
San Juan County, NM

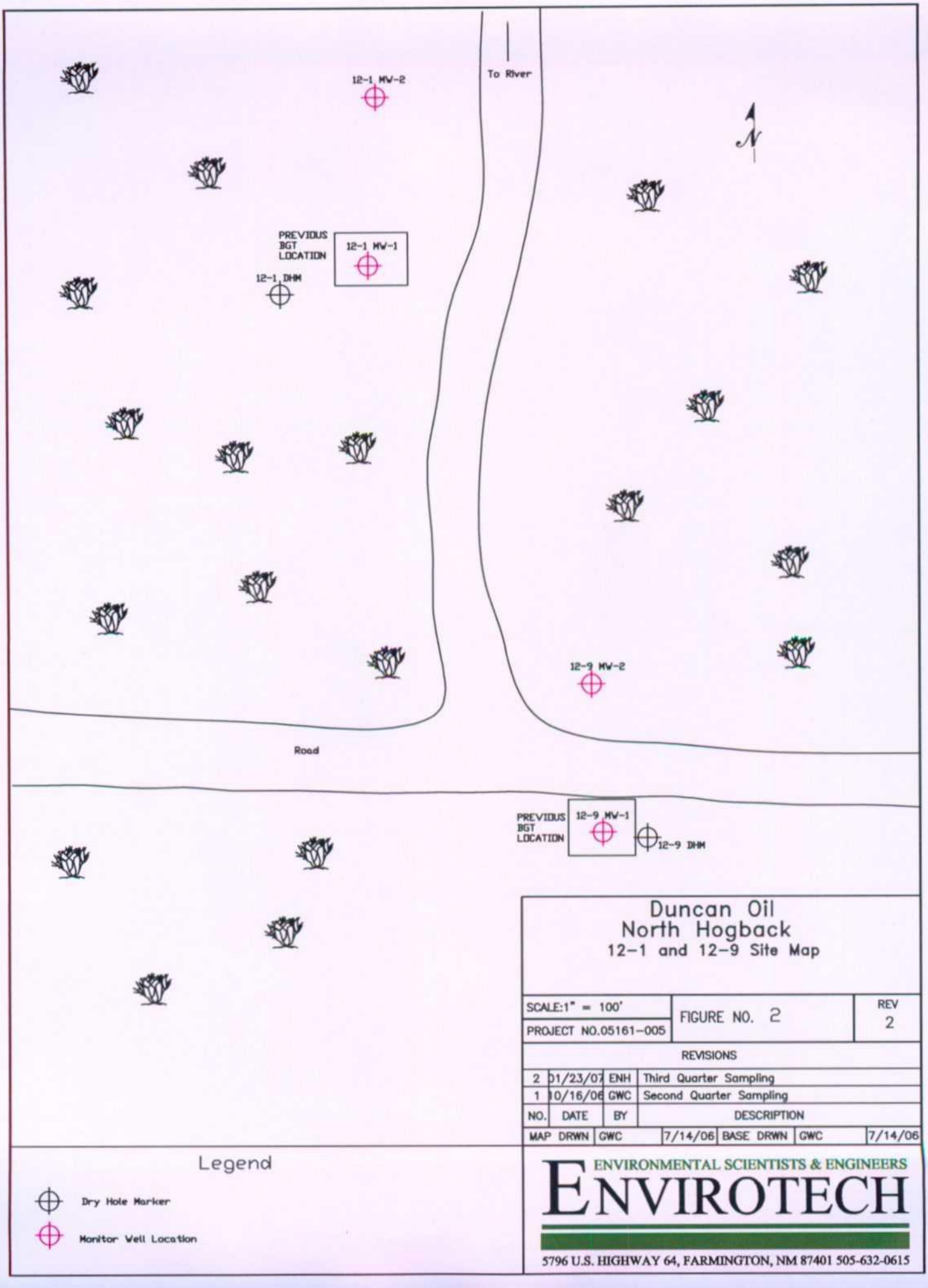
PROJECT No 05161-005 | Date Drawn: 7/20/06

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
PHONE (505) 632-0615

Vicinity Map

Figure 1

DRAWN BY: Greg Crabtree | PROJECT MANAGER: Kyle Kerr



Duncan Oil
North Hogback
12-1 and 12-9 Site Map

SCALE:1" = 100'	FIGURE NO. 2	REV 2
PROJECT NO.05161-005		

REVISIONS

NO.	DATE	BY	DESCRIPTION
2	01/23/07	ENH	Third Quarter Sampling
1	10/16/06	GWC	Second Quarter Sampling

MAP DRWN	GWC	7/14/06	BASE DRWN	GWC	7/14/06

Legend

- Dry Hole Marker
- Monitor Well Location

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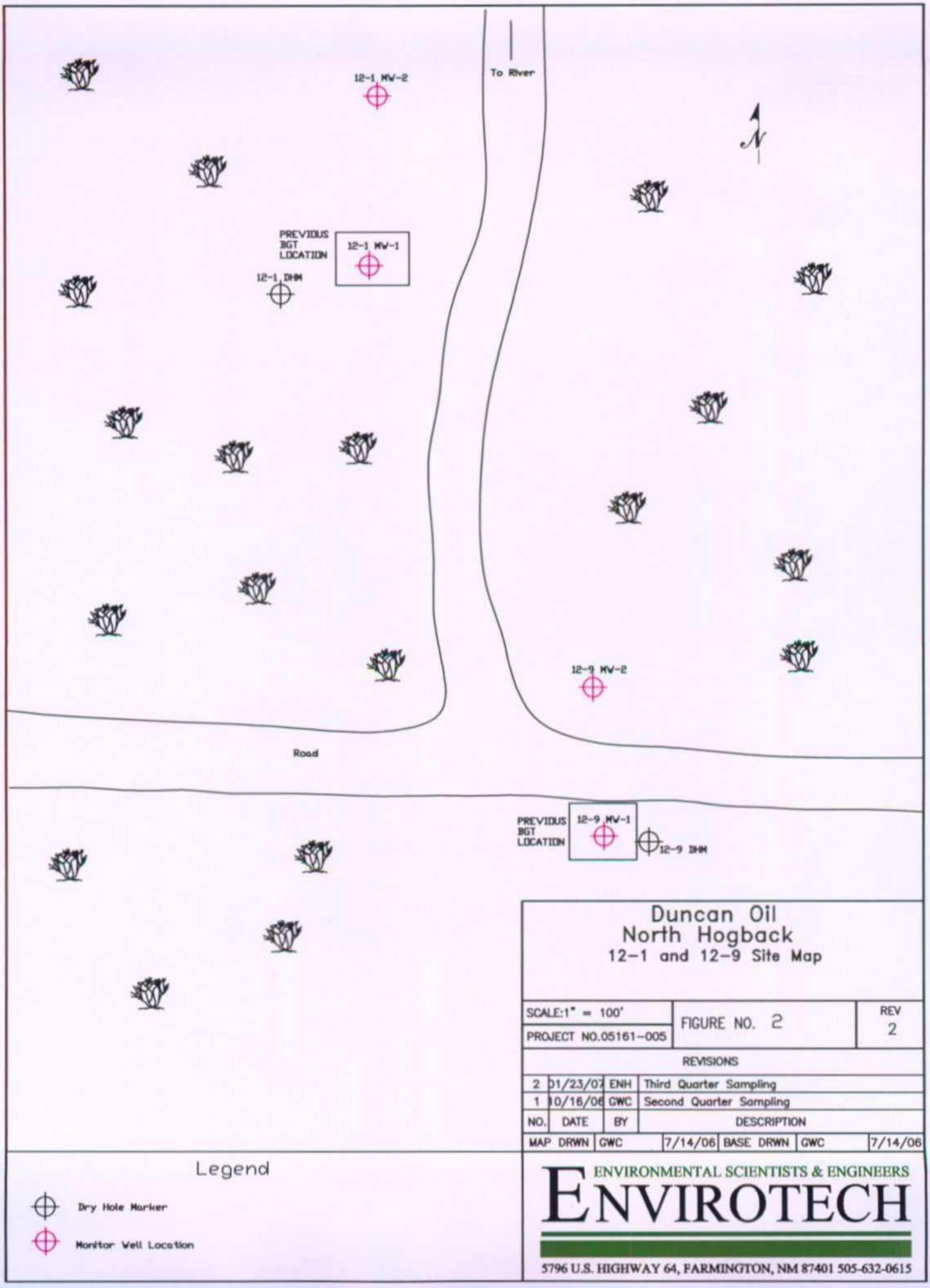

Duncan Oil
North Hogback
12-1 and 12-9 Site Map

SCALE:1" = 100'	FIGURE NO. 2	REV 2
PROJECT NO.05161-005		

REVISIONS

NO.	DATE	BY	DESCRIPTION
2	01/23/07	ENH	Third Quarter Sampling
1	10/16/06	GWC	Second Quarter Sampling

MAP DRWN	GWC	7/14/06	BASE DRWN	GWC	7/14/06

Legend

- Dry Hole Marker
- Monitor Well Location

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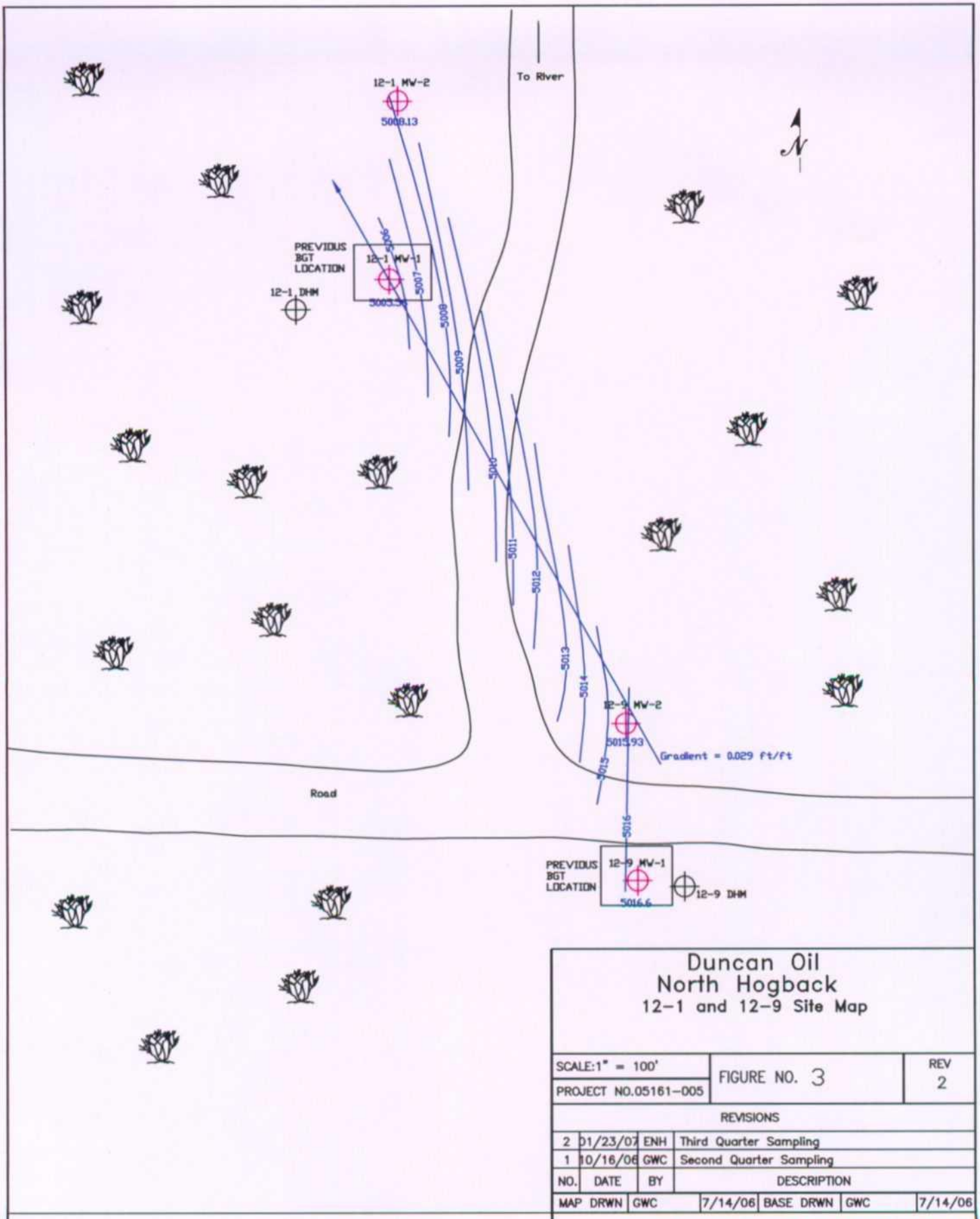

Duncan Oil
North Hogback
12-1 and 12-9 Site Map

SCALE:1" = 100'	FIGURE NO. 3	REV 2
PROJECT NO.05161-005		

REVISIONS

NO.	DATE	BY	DESCRIPTION
2	01/23/07	ENH	Third Quarter Sampling
1	10/16/06	GWC	Second Quarter Sampling

MAP DRWN	GWC	7/14/06	BASE DRWN	GWC	7/14/06

Legend

- Dry Hole Marker
- Monitor Well Location
- 5014.64 Water Level Elevation

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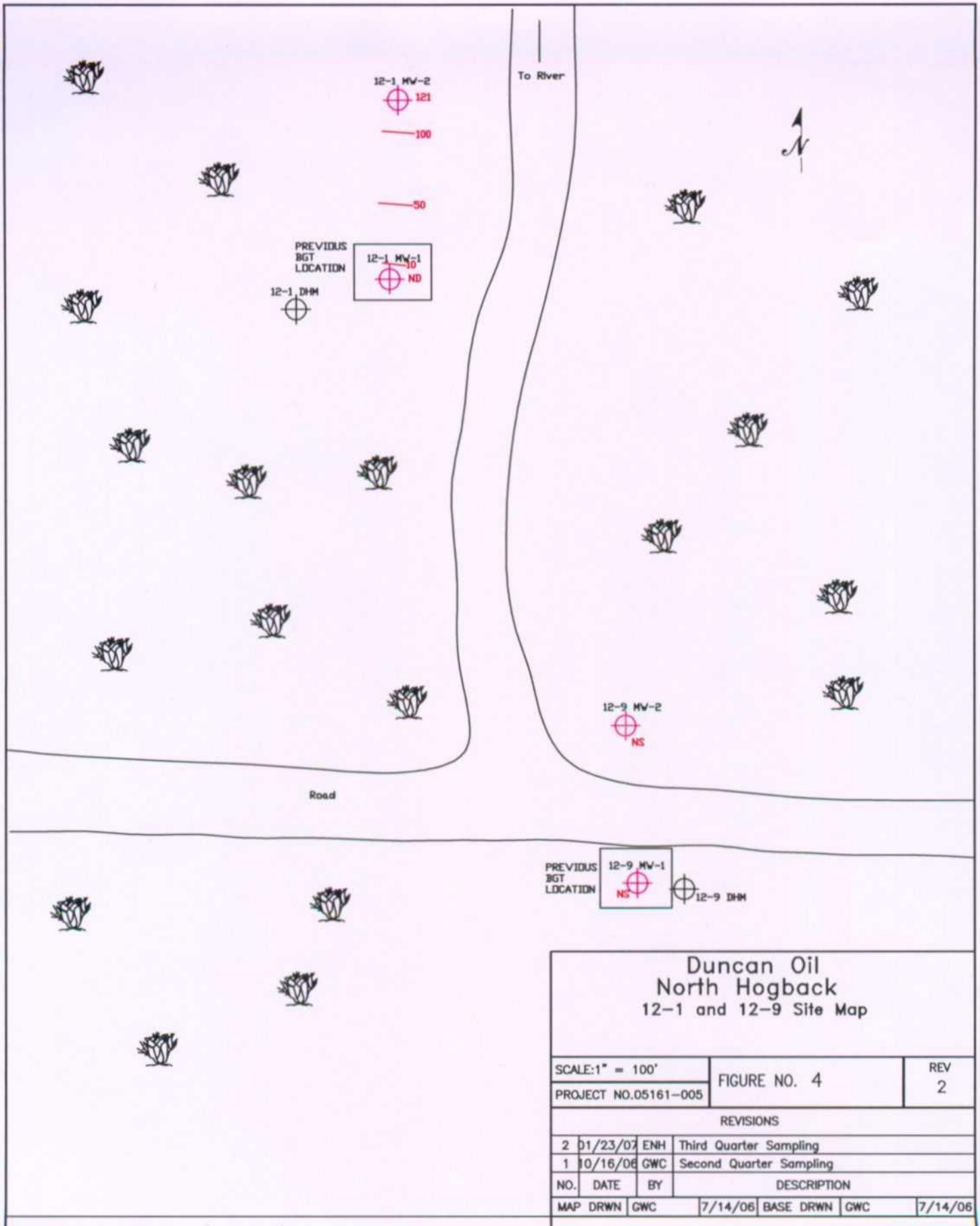

Duncan Oil
North Hogback
12-1 and 12-9 Site Map

SCALE:1" = 100'	FIGURE NO. 4	REV 2
PROJECT NO.05161-005		

REVISIONS

NO.	DATE	BY	DESCRIPTION
2	01/23/07	ENH	Third Quarter Sampling
1	10/16/06	GWC	Second Quarter Sampling

MAP DRWN	GWC	7/14/06	BASE DRWN	GWC	7/14/06

Legend

- Dry Hole Marker
- Monitor Well Location
- 4.3 Benzene Concentration (ppb)

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SECTION 2:

Laboratory Water Sample Results

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Duncan Oil	Project #:	05161-005
Sample ID:	MW #1 12-9	Date Reported:	04-05-07
Laboratory Number:	40677	Date Sampled:	04-02-07
Chain of Custody:	2404	Date Received:	04-02-07
Sample Matrix:	Water	Date Analyzed:	04-05-07
Preservative:	Cool	Date Digested:	04-03-07
Condition:	Cool & Intact	Analysis Needed:	Fe, Mn, Pb

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Iron	**0.119**	**0.001**
Manganese	**0.387**	**0.001**
Lead	**0.004**	**0.001**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **North Hogback**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Duncan Oil	Project #:	05161-005
Sample ID:	MW #2 12-9	Date Reported:	04-05-07
Laboratory Number:	40678	Date Sampled:	04-02-07
Chain of Custody:	2404	Date Received:	04-02-07
Sample Matrix:	Water	Date Analyzed:	04-05-07
Preservative:	Cool	Date Digested:	04-03-07
Condition:	Cool & Intact	Analysis Needed:	Fe, Mn, Pb

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Iron	**0.325**	**0.001**
Manganese	**0.493**	**0.001**
Lead	**0.003**	**0.001**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **North Hogback**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control /
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-05-TM QA/QC	Date Reported:	04-05-07
Laboratory Number:	40677	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	Fe, Mn, Pb	Date Analyzed:	04-05-07
Condition:	N/A	Date Digested:	04-03-07

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Detection Limit	Sample (mg/L)	Duplicate (mg/L)	% Diff.	Acceptance Range
Iron	**ND**	**0.001**	**0.119**	**0.116**	**2.5%**	**0% - 30%**
Manganese	**ND**	**0.001**	**0.387**	**0.392**	**1.3%**	**0% - 30%**
Lead	**ND**	**0.001**	**0.004**	**0.004**	**0.0%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample (mg/L)	Spiked Sample	Percent Recovery	Acceptance Range
Iron	**0.500**	**0.119**	**0.616**	**99.5%**	**80% - 120%**
Manganese	**0.500**	**0.387**	**0.884**	**99.7%**	**80% - 120%**
Lead	**0.500**	**0.004**	**0.504**	**100.0%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 40677 - 40678**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Duncan Oil	Project #:	05161-005
Sample ID:	MW #1 12-1	Date Reported:	04-03-07
Chain of Custody:	2404	Date Sampled:	04-02-07
Laboratory Number:	40679	Date Received:	04-02-07
Sample Matrix:	Water	Date Analyzed:	04-03-07
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	**121**	**1**	**0.2**
Toluene	**301**	**1**	**0.2**
Ethylbenzene	**359**	**1**	**0.2**
p,m-Xylene	**937**	**1**	**0.2**
o-Xylene	**811**	**1**	**0.1**
Total BTEX	**2,530**		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	**99.8 %**
	1,4-difluorobenzene	**99.8 %**
	4-bromochlorobenzene	**99.8 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **North Hogback**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Duncan Oil	Project #:	05161-005
Sample ID:	MW #2 12-1	Date Reported:	04-03-07
Chain of Custody:	2404	Date Sampled:	04-02-07
Laboratory Number:	40680	Date Received:	04-02-07
Sample Matrix:	Water	Date Analyzed:	04-03-07
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	**ND**	**1**	**0.2**
Toluene	**ND**	**1**	**0.2**
Ethylbenzene	**0.6**	**1**	**0.2**
p,m-Xylene	**1.2**	**1**	**0.2**
o-Xylene	**0.6**	**1**	**0.1**
Total BTEX	**2.4**		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	**99.8 %**
	1,4-difluorobenzene	**99.8 %**
	4-bromochlorobenzene	**99.8 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **North Hogback**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	04-03-BTEX QA/QC	Date Reported:	04-03-07
Laboratory Number:	40679	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-03-07
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.2341E+007	1.2378E+007	**0.30%**	**ND**	**0.2**
Toluene	2.9416E+007	2.9504E+007	**0.30%**	**ND**	**0.2**
Ethylbenzene	1.4182E+007	1.4224E+007	**0.30%**	**ND**	**0.2**
p,m-Xylene	6.9591E+007	6.9801E+007	**0.30%**	**ND**	**0.2**
o-Xylene	3.2069E+007	3.2166E+007	**0.30%**	**ND**	**0.1**

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	**121**	**121**	**0.0%**	**0 - 30%**
Toluene	**301**	**299**	**0.5%**	**0 - 30%**
Ethylbenzene	**359**	**357**	**0.5%**	**0 - 30%**
p,m-Xylene	**937**	**933**	**0.5%**	**0 - 30%**
o-Xylene	**811**	**807**	**0.5%**	**0 - 30%**

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	**121**	**50.0**	**170**	**99.5%**	**39 - 150**
Toluene	**301**	**50.0**	**350**	**99.9%**	**46 - 148**
Ethylbenzene	**359**	**50.0**	**408**	**99.9%**	**32 - 160**
p,m-Xylene	**937**	**100**	**1,030**	**99.3%**	**46 - 148**
o-Xylene	**811**	**50.0**	**860**	**99.9%**	**46 - 148**

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for samples 40679 - 40680**

Analyst

Review

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CHAIN OF CUSTODY RECORD

2404

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Duncan 0:1	North Hogback	

Sampler:	Client No.
G. Crabtree	05161-005

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	6010 B	8021					Remarks
												N. Hogback
MW #1 12-9	4/2/07	1140	40677	WATER	1	✓						
MW #2 12-9		1140	40678		1	✓						
MW #1 12-1		1226	40679		2		✓					
MW #2 12-1		1245	40680		2		✓					
~~MW #1 12-4~~		~~1400~~	~~40681~~		~~2~~		✓					Canceled
~~MW #2 12-4~~		~~1320~~	~~40682~~		~~2~~		✓					
~~MW #3 12-4~~		~~1340~~	~~40683~~		~~2~~		✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Greg Crabtree	4/2/07	1525	Blair Wall	4/2/07	1525
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

SECTION 3:

Historical Data

Historical Data

NMED Action Levels		5	1000	700	10000	1	0.20	0.05
Well No.	Sample Date	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)	Iron (ppm)	Manganese (ppm)	Lead (ppm)
North Hogback 12-1 MW-1	07/20/06	NS	NS	NS	NS	NS	NS	NS
	10/13/06	4.30	2.40	3.90	12.20	NS	NS	NS
	01/11/07	ND	ND	0.20	1.50	NS	NS	NS
	04/02/07	121	301	359	1748	NS	NS	NS
North Hogback 12-1 MW-2	07/20/06	NS	NS	NS	NS	NS	NS	NS
	10/13/06	**5.90**	3.00	7.10	15.80	NS	NS	NS
	01/11/07	0.20	17.60	5.00	46.30	NS	NS	NS
	04/02/07	ND	ND	0.60	1.80	NS	NS	NS
North Hogback 12-4 MW-1	07/20/06	1.20	5.90	23.40	16.70	NS	NS	NS
	10/13/06	ND	1.90	1.30	1.90	NS	NS	NS
	01/11/07	ND	51.20	26.60	118.50	NS	NS	NS
North Hogback 12-4 MW-2	07/20/06	1.60	1.80	1.60	8.70	NS	NS	NS
	10/13/06	3.10	1.60	2.80	6.70	NS	NS	NS
	01/11/07	ND	3.50	0.70	8.40	NS	NS	NS
North Hogback 12-4 MW-3	07/20/06	1.30	0.40	0.80	2.80	NS	NS	NS
	10/13/06	ND	ND	0.70	ND	NS	NS	NS
	01/11/07	ND	ND	ND	1.10	NS	NS	NS
North Hogback 12-9 MW-1	07/20/06	NS	NS	NS	NS	0.54	**0.28**	ND
	10/13/06	NS	NS	NS	NS	0.31	**0.50**	ND
	01/11/07	NS	NS	NS	NS	0.74	**0.40**	ND
	04/02/07	NS	NS	NS	NS	0.119	**0.387**	0.004
North Hogback 12-9 MW-2	07/20/06	NS	NS	NS	NS	ND	**0.22**	ND
	10/13/06	NS	NS	NS	NS	0.22	**0.54**	ND
	01/11/07	NS	NS	NS	NS	0.46	**0.55**	ND
	04/02/07	NS	NS	NS	NS	0.325	**0.493**	0.003

NS = Not Sampled
ND = Not Detected

Values in bold exceed New Mexico Water Quality Control Commission (NMWQCC) standards

SECTION 4:

Field Notes

ENVIROTECH INC.
FARMINGTON, NM 5796 HIGHWAY 64
MONITOR WELL DATA

Date: 02-Apr-07 Project No: 05161-005

Project Name: Duncan Oil Chain of Custody No: 2404

Location: North Hogback

Project Manager: KPK Sampler: GWC

MONITOR WELL DATA

WELL #	TIME	pH	COND :S	TEMP EF	DEPTH TO WATER FT	TOTAL DEPTH FT	WATER COLUMN FT	BAILED WATER GAL	PRODUCT FT
12-9 MW-1	1115	7.45	1.22	15.7	9.52	21.07	11.55	6	
12-9 MW-2	1200	7.62	1.12	15.7	9.68	15.15	5.47	3	
12-1 MW-1	1226	6.91	2.75	16.6	20.28	20.98	0.70	0.5	
12-1 MW-2	1245	7.18	2.68	16.4	19.34	20.81	1.47	1	
12-4 MW-1	1300	7.47	1.74	16.0	4.76	9.75	4.99	2.5	
12-4 MW-2	1320	6.98	2.54	15.3	5.11	11.65	6.54	3.2	
12-4 MW-3	1340	7.50	1.94	15.4	5.89	11.26	5.37	2.6	

Notes: TOC = Top of Casing
Bailed = 3 well volumes:

1.25" well = 0.19 gal/ft.
2.00" well = 0.49 gal/ft.
4.00" well = 1.96 gal/ft.
Note well diameter if not one of the above.

APPENDIX

Record of Communication

ENVIROTECH, INC.
RECORD OF COMMUNICATION

Call Information:

Date: 4/2/07 **Time:** 1600 **Employee Name:** G. Crabtree

Client: Duncan Oil **Job:** N. Hogback **Job No.** 05161-005

Person Contacted: Bill Freeman **Company:** NNEPA

Contact Phone No.: 505-368-1041 **Fax No.:** _____

Reason For Call: Discuss monitoring

Brief Description of Conversation: Called to discuss the need for sampling at the North Hogback 12-4 site. Mr. Freeman stated that there was no need to run samples if there has been 3 consecutive quarters of sampling below the water quality standards set by the EPA/NNEPA

Summary/Follow-Up:

Call Back?: YES NO **Date:** _____

Referral to: Name _____ **Company** _____

Phone No : _____ **Fax No.** _____

Notes: _____

Copy To: Master Enviro Construction MDY VAY Office _____ _____

5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401
PHONE (505) 632-0615 FAX (505) 362-1879