# RECR-10 Windmill Oil

# Groundwater Sampling Report

2003

#### WINDMILL OIL SITE

### **GROUND WATER SAMPLING RESULTS**

Prepared by: **INTERA Incorporated** 



RECEIVED

JUI 4 2003

Environmental Bureau
Oil Conservation Division

One Park Square 6501 Americas Parkway NE Suite 820 Albuquerque, NM 87110

Prepared for:
New Mexico Oil Conservation Division

**July 8, 2003** 

## TABLE OF CONTENTS

Secti	<u>ion</u>	<u>Page</u>					
I. II. III. IV.	INTRODUCTIONBACKGROUNDSAMPLING ACTIVITIESSUMMARY AND CONCLUSIONS/RECOMMENDATIONS						
FIGU	JRES						
	1	Site Map					
	2	Ground Water Contour Map – June, 2003					
	3	BTEX & TPH Concentration Map – June, 2003					
	4	Chloride Concentration Map – June, 2003					
TABI	LES						
	1	Summary of Survey Data					
	2	Laboratory Results of Ground Water Sample Analyses – Section 29					
	3	Laboratory Results of Ground Water Sample Analyses – Section 30					
APPE	ENDIC	ES `					
	1	Surveys/Access Agreements					
	2	Laboratory Reports					
	3	Field Notes					

#### Introduction

This report presents the results of the ground water investigation event at the Windmill Oil Site in Hobbs, New Mexico. The site extents are represented by Figure 1. INTERA Incorporated (INTERA) conducted the investigation activities during the last week of May and first week of June 2003. Investigation and sampling activities were conducted in accordance with the INTERA scope of work approved by the New Mexico Oil Conservation Division (NMOCD) on February 21, 2003.

#### **Background**

Windmill Oil is a site with an extensive history of oil exploration and production and associated contamination of the Ogallala ground water formation by oil. The Windmill Oil Company has successfully capitalized on the oil content of the Ogallala over the past 40 years by recovering oil from the ground water for economic benefit. During that time, residential development of the area has grown, resulting in the installation of numerous domestic and public water wells throughout the oil recovery zone. In addition, oil and gas production continues throughout the region, which includes piping infrastructure, oilfield flow lines, and petroleum pipelines.

Concern regarding the quality of ground water used for domestic purposes initiated the request by the NMOCD to investigate wells within Sections 29 and 30 of Township 18 South, Range 38 East. The investigation area entails approximately 1,280 acres (Sections 29 and 30), with an estimated 99 property owners. It was estimated that approximately 80 property owners and residents own, maintain, or utilize potable water wells in the area of concern. Ground water sampling and investigation focused around residents and businesses located within Section 30 and adjacent Section 29.

#### Sampling Activities

In March of 2003, INTERA was contracted by the NMOCD to conduct a survey and water sample collection to determine the potential impact to private water wells from petroleum-contaminated ground water at the Windmill Oil Site near Hobbs, New Mexico. Based on input from the NMOCD, the contaminant analysis list outlined in INTERA's scope of work was reduced to benzene, toluene, ethyl benzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), Gasoline Recoverable Organics (GRO), and Diesel Recoverable Organics (DRO).

INTERA ascertained that there were approximately 99 property owners/residents, based on records from both the NMOCD and Lea County Assessor's office. INTERA attempted to contact each of the 99 property owners and residents within the Windmill Oil Site vicinity via letter survey. Included with the survey was an access agreement to facilitate field activities during the sampling period.

Table 1 summarizes the results of our survey activities. Thirty-seven surveys were returned with 31 of the 37 granting access to their property. Five indicated that there were no wells located on their property, and one letter was sent back as undeliverable. Each individual who completed the survey was contacted to confirm the day, time, and location for sampling the well(s) in order to efficiently schedule and coordinate the visits throughout Sections 29 and 30. A door-to-door sample solicitation beginning in Section

30 was initiated after the list of signed access agreements was exhausted; each additional individual was asked to sign the survey/access agreement (see Appendix A). Fifteen wells were sampled during the door-to-door processes that were not on the original list and two additional individuals who did not return the surveys were also sampled.

Roughly three well volumes were purged from each well prior to sampling. If the well was in use prior to the sampling visit, it was assumed that well purging was completed and that well characteristics had stabilized. Temperature, pH, and conductivity measurements were also collected in the field at each well purged by the field technician. Samples from the 48 wells were shipped to Trace Analyses Laboratory in Lubbock, Texas for analysis of volatile organic compounds (VOC) via Environmental Protection Agency (EPA) method 8021B, TPH, GRO, and DRO via EPA method 8015B, and chloride analyses via EPA method 300.0. A trip blank was shipped with each of the sample coolers and analyzed. No analytes were detected in the trip blank samples. Quality assurance/quality control (QA/QC) samples were performed by the lab to ensure the quality of the results. The QA/QC results were within acceptable ranges.

Please refer to Tables 2 and 3 for ground water analyses data. Please refer to Figure 1 for a site map, Figure 2 for a ground water contour map, Figure 3 for a BTEX concentration map, and Figure 4 for a chloride concentration map. Wellhead elevations were not available for the site; therefore, a depth to ground water contour map was developed based on survey information supplied by property owners/residents.

Refer to Appendix 1 for surveys and access agreements, Appendix 2 for laboratory analysis, and Appendix 3 for field notes.

### **Summary and Conclusions/Recommendations**

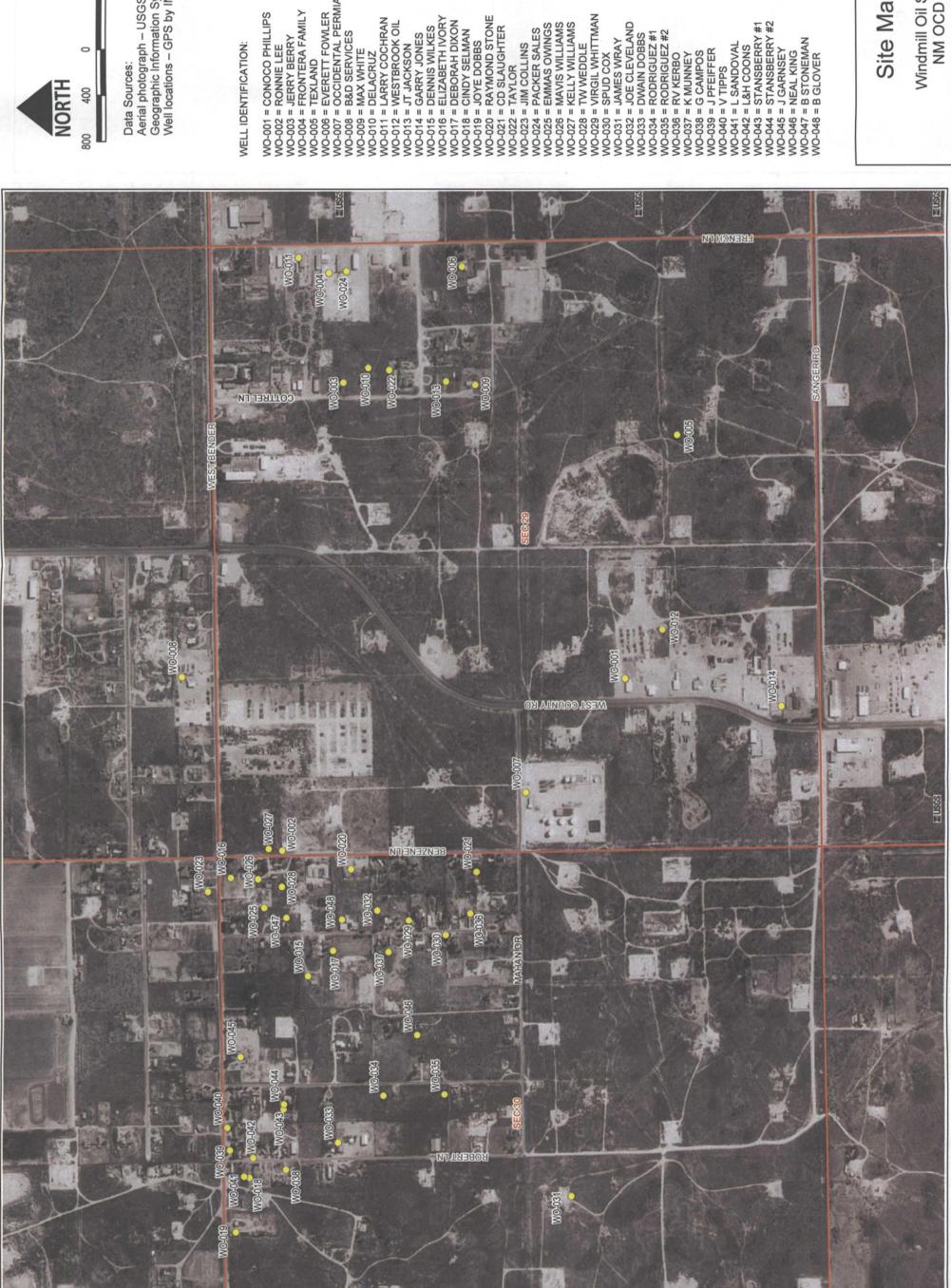
Many of the residents relayed a taste or odor problem associated with their well, and several individuals complained of a "visible sheen" or "oil droplets" in their water; however, recent laboratory results indicated no detectable constituents associated with these wells. Please refer to Appendix 3, Table 4, and a letter from Jim Dixon (Appendix 1) for details of these observations. Four of the 48 domestic water wells sampled had results above the detection limits for the 8015B VOC constituents. Ground water from Rodriguez #2, which is no longer used for potable water, exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard for xylenes, and exhibited high TPH-GRO/DRO values. Benzene was detected in Emma Owings, D. Dobbs, and Rodriguez #1 wells, but only toluene was detected in the latter two wells. Benzene levels in D. Dobbs well were detected above EPA Maximum Contaminant Levels (MCL) standards for drinking water (Table 3); however, benzene and toluene levels detected in these wells were well below the NMWQCC ground water standards.

Stansberry #2, Jerry Berry, Larry Cochran, and J. T. Jackson wells all had detections of chloride in excess of NMWQCC regulations standards. These concentrations were well above the NMWQCC standard and EPA secondary drinking water standard of 250 parts per million. Please refer to Tables 2 and 3 for the specific results. All wells had substantial levels of chloride. Chloride was detected ranging from 32.6 milligrams per liter (mg/L) to 478 mg/L in all of the sampled wells. Chloride is considered a secondary water quality standard by the EPA. The National Secondary Drinking Water Regulations

(NSDWRs or secondary standards) are nonenforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards for water systems but does not require systems to comply.

INTERA recommends that a second sampling event occur to ensure that the contaminant levels in the wells do not increase and that the wells exhibiting petroleum contamination are not isolated incidents. We also recommend that the sampling be a door-to-door process to facilitate the gathering of samples, because of the success of this approach during this project. In addition, the analyses should be broadened to include other organic compounds such as sulfates, nitrates, phosphates, total organic carbon, petroleum hydrocarbon fingerprint (modified American Society for Testing and Materials method 3328), and total dissolved solids. Please note that the taste and odor threshold for the contaminants analyzed is well below the NMWQCC standards and the MCLs for BTEX and well below the laboratory detection limit for TPH (GRO and DRO). Additionally, we recommend that during the next sampling event the sensitivity of laboratory detection limits should be more equivalent to the taste and odor thresholds. Individuals with wells exhibiting chloride and benzene levels above NMWQCC standards or EPA MCLs should be notified immediately. We recommend one of the following alternatives to their current domestic water usage: 1) use water treatment devices (i.e., water softeners, reverse osmosis), 2) change to public water supply, if feasible, or 3) supply potable water to these individuals.

## **FIGURES**





1,600

800

Aerial photograph – USGS thru NM Resource Geographic Information System; Well locations – GPS by INTERA Data Sources:

WELL IDENTIFICATION:

Monitoring Wells

0

Legend

WO-001 = CONOCO PHILLIPS
WO-002 = RONNIE LEE
WO-003 = JERRY BERRY
WO-004 = FRONTERA FAMILY
WO-005 = TEXLAND
WO-006 = EVERETT FOWLER
WO-007 = OCCIDENTAL PERMIAN
WO-008 = B&D SERVICES
WO-009 = MAX WHITE

WO-011 = LARRY COCHRAN WO-012 = WESTBROOK OIL

WO-013 = JT JACKSON WO-014 = GARRY JONES WO-015 = DENNIS WILKES WO-016 = ELIZABETH IVORY

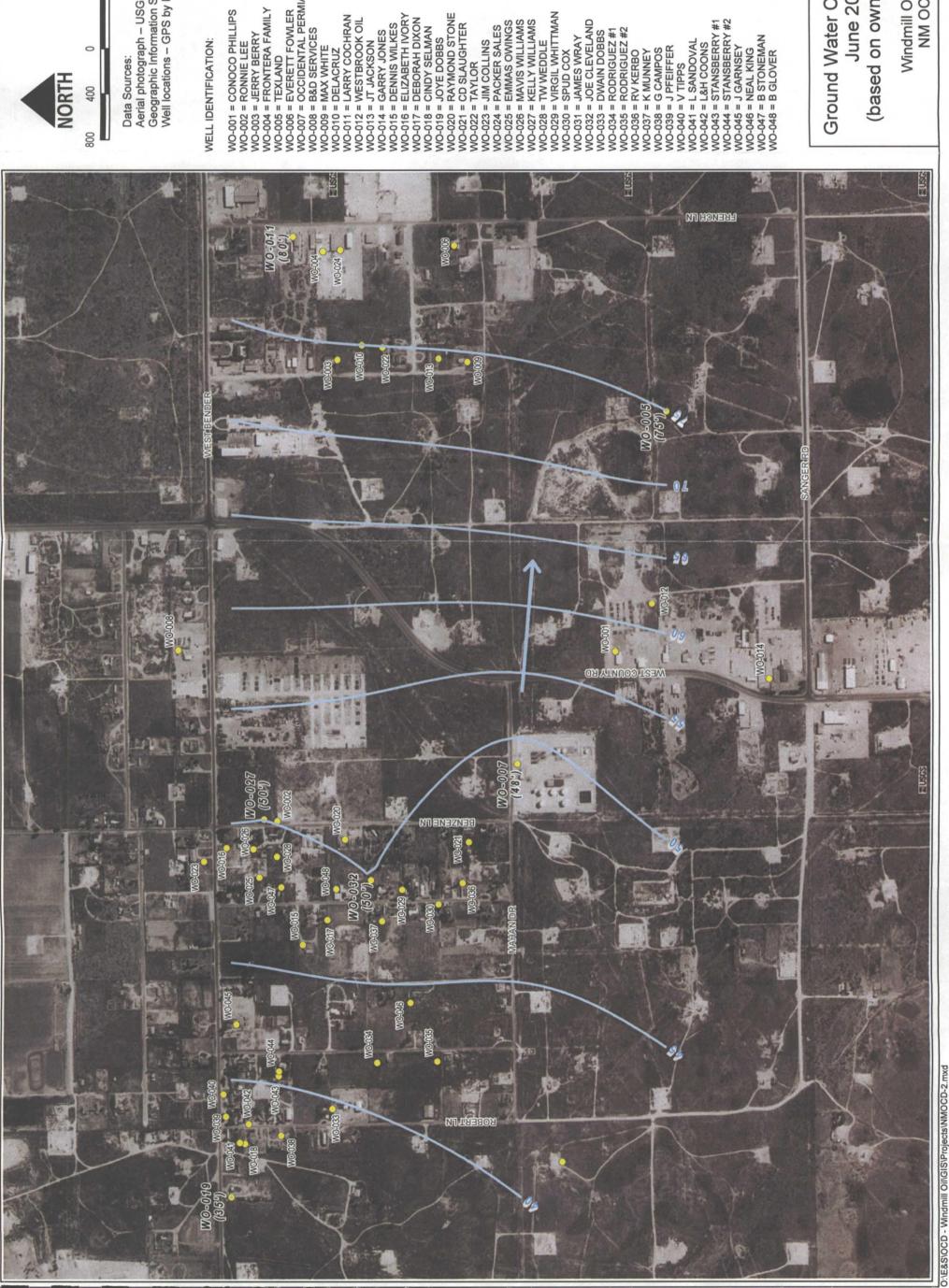
NO-040 = V TIPPS

WO-041 = L SANDOVAL WO-042 = L&H COONS WO-043 = STANSBERRY #1 WO-044 = STANSBERRY #2 WO-045 = J GARNSEY WO-046 = NEAL KING WO-047 = B STONEMAN WO-048 = B GLOVER

Site Map

Windmill Oil Site NM OCD

Figure





Aerial photograph – USGS thru NM Resource Geographic Information System; Well locations – GPS by INTERA 800 Data Sources: 400

**■** Feet 1,600

# WELL IDENTIFICATION:

WO-005 = TEXLAND
WO-006 = EVERETT FOWLER
WO-007 = OCCIDENTAL PERMIAN
WO-008 = B&D SERVICES
WO-009 = MAX WHITE WO-014 = GARRY JONES WO-015 = DENNIS WILKES WO-016 = ELIZABETH IVORY WO-017 = DEBORAH DIXON WO-003 = JERRY BERRY WO-004 = FRONTERA FAMILY WO-001 = CONOCO PHILLIPS WO-019 = JOYE DOBBS WO-020 = RAYMOND STONE WO-021 = CD SLAUGHTER WO-011 = LARRY COCHRAN WO-012 = WESTBROOK OIL WO-013 = JT JACKSON WO-018 = CINDY SELMAN NO-010 = DELACRUZ

Legend

Monitoring Well Ground Water Level (below ground surface)

Approx. Water Level Contour (feet below ground surface)

Approx. Ground Water Flow Direction

Ground Water Contour Map June 2003

Windmill Oil Site NM OCD

(based on owner survey)

Figure



1,600

800

400

Aerial photograph – USGS thru NM Resource Geographic Information System; Well locations – GPS by INTERA Data Sources:

with Ground Water Monitoring Well Contaminant Legend 0

Contaminant Above w/ Ground Water Monitoring Well Standard Limits. Results (µg/L)

E = Ethylbenzene X = Xylene (isomers) GRO = TPH gasoline DRO = TPH diesel B = Benzene T = Toluene

Concentration Map **BTEX & TPH** June 2003

Figure

Windmill Oil Site NM OCD

O.\E&S\OCD - Windmill Oil\G\S\Projects\NMOCD-3.mxd

3





NORTH

800 400 0 800

Data Sources:
Aerial photograph, USGS thru NM Resource
Geographic Information System;
Well locations, GPS by INTERA

1,600 Feet

Legend
Chloride Concentration (mg/L)

30 - 70

70 - 105

105 - 150

150 - 250

Chloride Concentration Map June 2003

Windmill Oil Site NM OCD

O:\E&S\OCD - Windmill Oil\GIS\Projects\NMOCD-4.mxd

4

Figure

## **TABLES**

TABLE 1 SUMMARY OF SURVEY DATA WINDMILL OIL HOBBS, NEW MEXICO

WELL	USAGE	90	ND N	9 9	DON'AO	888	8 8	99	A d d	88	888	NON	AB, AB,	888==888888888888888888888888888888888	A X X	<b>X X X X</b>	\$ <b>\$</b> \$ <b>\$</b> \$	Z Z Z	N A
TOTAL	DEPTH (FT)	UNK	120-140 UNK	130	187 UNK	UNK	ONK S	UNK	RED BED	100.00 120 & 185	120-140	UNK SEALED@85,	SEALED@105, COLLAPSED@150,	85	N N N N N	N N N	Z Z Z Z	N N S	NA
-	WATER (FT BGS)	80 TO PUMP	35-40 UNK	75 UNK	48 UNK	ONK	ONK	ONK	120.00	35.00 UNK, UNK	UNK	UNK		8	¥ ¥ X	X X X	<b>222</b>	22 Z :	A A
	WELL CONSTRUCTION	4/30/2001 UNK	1978 UNK	11/26/2001	10/27/1980 UNK	4/1/1980 UNK	UNK	1975	4/1/2002	19787	NA	12/10/1982	1954, UNK, 1961, 2000	NA N	A N N	X X X	X X X X	NA NA	NA
WELL	COORDINATES	3621258	3622050	3621120	3621523	3621945	3621157	3622104.00	3622310.00	3622296.00	3621654.00	3622003	3622221.00	8622237 00 8621845 862174 00 8621845 8621845 8621845 8621845 8621845 8622186 8	N N N N N N N N N N N N N N N N N N N	N N N	X X X X	NA NA	NA
WELL	COORDINATES	671096	671878	671739	670796	671872	671224	671023	670570.00	669630.00	670586.00	672171	670492.00	670567 00  NA 670245 670245 670245 670245 670245 670245 670245 670245 670246 670240 670244 670274 67	NA NA	X X X	N N N N	NA NA	NA NA
	ATE ZIP CODE CC	M 88240-0000	M 88240-0000	X 76102-0000:	X 77210-0000	M 88240-0000	M 88241-0000	IM 88240-0000	M 88240-0000	IM 88240-0000	IM 88240-0000	IM 88241-0000	IM 88240-0000	M	MM 88210-0000 MM 188240-0000 TX 78701-0000	IM 88240-0000 IM 88240-0000 IM 88241-0000	IM 88241-0000 TX 79702-0000 IM 88241-0000 IM 88240-0000	MM 88241-0000 MM 88241-0000 MM 87502-0000	M 88241-0000
	CITY ST.	Hobbs N	Hobbs Hobbs	Fort Worth	Houston 7	Hobbs N Hobbs	Hobbs	Hobbs N	Hobbs N Sdor	Hobbs I N	Hobbs N	Hobbs	Hobbs	Hobbs	Artesia P Hobbs P Austin	Hobbs Hobbs Hobbs	Midland Hobbs Hobbs Hobbs	Hobbs Panta Fe	Hobbs P
	ADDRESS	1410 West County Rd	2022 Cottrell Ln 3120 N Grimes	777 Main St Suite 3200 1801 French Dr	900 W Bender	1728 Cottrell Ln 1930 North Cottrell	Po Box 2264	Po Box 1786 2033 Gary Lane	3315 West Bender rd 2029 Gary Lane	1543 San Mateo	1733 Bensing Road 2330 W. Lanehart Dr	3402 W bender Box 2581	3515 W Bender	2215 Benreing Rd 2200 N Benreing 200 Benreing 200 Benreing 200 Benreing 200 Benreing 1700 Rober Lun 1100 Rober Lun 110 Ro	3114 Lowngton Hwy 705 W Bullock 2119 French Dr 400 W 15Th St Ste 1700	419 E Arriba 419 E Arriba P.O. Box 2248	P.O. Box 2248 Po Box 10190 Po Box 1680 Po Box 2248	Po Box 5102 Po Box 5561 Po Drawer 26110	Pobox 132 Pobox 5102
198 mile	LAST NAME	Anderson	Berry Dobbs	Jackson	Bishop	White De La Cruz	Cochian	Jones	Ivory	Selman Dobbs	Slaughter Taylor	Collins	Owings, Et Al	W Missers W Wisters W Works W Ward Docks Docks Politiquez Redisposz Redisposz Redisposz Redisposz Redisposz Redisposz Redisposz Redisposz Politiquez Redisposz Politiquez Redisposz Politiquez Redisposz Redisposz Redisposz Redisposz Redisposz Redisposz U Westery Stanstberny Stanstberny Garnesey Stanstberny Garnesey Stanstberny Garnesey Redisposz Libes Howest Libes Howest Redisposz Libes Howest Redisposz R	Wilkims Vollenbarger Et Al				
VCURRENT RESIDENT	FIRST NAME	Kenneth Ronnie F	Jerry L. Danny	Kirk Everett C	Steve	Max E. Benny	Carry P.	Gary L. Dennis	John Wayne Jimmy Montell & Debra D	Cynthia C Joye L Baymond E	Carton D Elizabeth	Jim Ed	Emma Fay	Manne June Toy Toy Vogs Wellson Amador Amado	Norman L. Marva Jo				
PROPERTY OWNER/CURRENT RESIDENT CONTACT CONTACT		Canaca Inc Prop Tax Div	Frontera Farnily Ltd Partnership	Texland Petroleum-Hobbs LLC	Occidental Permian Ltd Partner B&D Services Inc		Wesbrook Oil Corp	Ul decasori a Associatios				Packer Sales & Rental Of Hobbs, Inc.		Fleat Montgage Corp Rice Operating Co Edwin H. Johnston H Family Trust Nearburg Producing Co Saga Petroleum LLC Homeon Pariness Lawson Off Co Peatron Off Co	Commercial Leasing Inc Schlumberger Well Service #34 Deloite & Touche	Knox Services Inc Maddox, William, Cecil, Grimes FIM&S Leapnop LLC	SS&S inc. Two-State Tank Rental Co inc DMS & Co Be&D Ol & Ge Corp Select Properties Ltd	Hobbs Land Ventures LCC Holiness Church, Trinity New Mexico General Services Deproperty Control Division	Tfh Ltd Co. Hobbs State #3 Swd LLC
	CONFIRMED ACCESS NUM. OF WELLS	sek	yes yes	yes	yes 7	Yes, but not signed 1	yes Yes, but not signed	yes yes	yes 1	yes	S9.6	yes 2	yes 4	Moto operational   1   1   1   1   1   1   1   1   1	No No No No No No No No No No No No No N	No No NA NA NA NA NA NA NA NA NA	0	No No No No No	No NA NA
	SURVEYS RECEIVED	30-Apr-03	21-Apr-03 11-Apr-03 21-Apr-03	14-Apr-03	16-Apr-03	10-Apr-03 9-Apr-03	17-Apr-03 10 Apr-03	21-Apr-03	9-Apr-03 11-Apr-03	10-Apr-03 16-Apr-03	door-to-door 21-Apr-03	9-Apr-03 9-Apr-03	11-Apr-03	door to door of door to door t	Not Received Not Received Not Received	Not Received Not Received Not Received	Not Received Not Received Not Received	Not Received Not Received Not Received	Not Received Not Received
	SE	arteless	58 88	29	28 28	28 28	29	58 58	30	08 08 08	30 83	29	30	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8 8 8	28 28 28 28	8888	23 23	29
WELL	IDENTIFICATION	0-001	0-003	500-0	VO-007	WO-010	WO-011	WO-013	WO-016 WO-017	WO-018 WO-019	MO-021	NO-023	WO-025	MWO-028  WWO-028  WWO	N N N N	4 4 4 A	NANA	NA NA	NA

#### TABLE 2

#### LABORATORY RESULTS OF GROUND WATER SAMPLE ANALYSES-SECTION 29 **REGULATED COMPOUNDS**

#### WINDMILL OIL HOBBS, NEW MEXICO

20 1vd				JBBS, NEW		少。个性性病是怎么么	Felia VVV	42 OVY 9-45 NO 27	14 ( 15 mm x 14)
				EPA METHO					7.288299 5 28.6 s
D WELL	DOMESTIC WELL		Benzene	Toluene	Ethylbenzene	Xylene (Isomers)	DRO (mg/L)	GRO (mg/L)	Chloride (mg/L)
WO-002	Ronnie Lee	05/28/03	<1	<1	<1	<1	<5.0	<0.1	115.0
WO-003	Jerry Berry	05/28/03	<1	<1	<1	<1	<5.0	<0.1	478.0
WO-004	Frontera Family	05/28/03	<1	<1	<1	<1	<5.0	<0.1	105.0
WO-005	Texland	05/28/03	<1 .	<1	<1	<1	<5.0	<0.1	112.0
WO-006	Everett Fowler	05/28/03	<1	<1	<1	<1	<5.0	<0.1	119.0
WO-007	Occidental Perm	05/28/03	<1	<1	<1	<1	<5.0	<0.1	111.0
WO-008	B & D Services	05/28/03	<1	<1	<1	<1	<5.0	<0.1	84.3
WO-009	Max White	05/28/03	<1	<1	<1	<1	<5.0	<0.1	110.0
WO-010	De La Cruz	05/28/03	<1	<1	<1	<1	<5.0	<0.1	84.2
WO-011	Larry Cochran	05/28/03	<1	<1	<1	<1	<5.0	<0.1	265.0
WO-012	Westbrook Oil	05/29/03	<1	<1	<1	<1	<5.0	<0.1	102.0
WO-013	JT Jackson	05/29/03	<1	<1	<1	<1	<5.0	<0.1	₹.378.0-₹
WO-014	Gary Jones	05/29/03	<1	<1	<1	<1	<5.0	<0.1	90.6
WO-001	Conoco Phillips	05/28/03	<1	<1	<1	<1	<5.0	<0.1	96.0
WO-022	Taylor	05/29/03	<1	<1	<1	<1	<5.0	<0.1	248.0
WO-024	Packer Sales	06/02/03	<1	<1	<1	<1	<5.0	<0.1	130.0
WO-027	Kelly Williams	06/03/03	<1	<1	<1	<1	<5.0	<0.1	120.0
NM-GS EPA MCL	There is	-	10 5	750 1,000	750 700	620 10,000	NA NA	NA NA	250 250
Taste a	nd Odor Threshold <sup>1</sup> NOTES:	PRO = Gasoline Rang	500-4500	42.0	29.0	17.0	5 ug/L, mg/L = milligrams per	56 ug/L	•

GRO = Diesel Range Organics

NM-GS = New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standard

Italics - National Secondary Drinking Water Regulations (NSDWRs or secondary standards)

BOLD - Indicates concentrations exceeding the NM-GS action level or EPA MCL standard

<sup>1</sup> USEPA taste and odor threshold, Federal Register 54(97) 22064-22138.

ug/L = micrograms per liter

EPA = Environmental Protection Agency NA = Non Available

MCL - Maximum Contaminant Level

#### TABLE 3

## LABORATORY RESULTS OF GROUND WATER SAMPLE ANALYSES-SECTION30 REGULATED COMPOUNDS

## WINDMILL OIL HOBBS, NEW MEXICO

· 建五元二					NA TINEY.				Charles A
		454 V V II		EPA METHO	D 8260 (ug/L)	2-7-2/40/68	TPH D	RO/GRO	NY SEESEN SEE
WELL ID	DOMESTIC WELL	DATE	Benzene	Toluene	Ethylbenzene	Xylene (Isomers)	DRO (mg/L)	GRO (mg/L)	Chloride (mg/L)
WO-015	Dennis Wilks	05/29/03	<1	<1	<1	<1	<5.0	<0.1	130.0
WO-016	John Ivory	05/29/03	<1	<1	<1	<1	<5.0	<0.1	147.0
WO-017	D Dixon	05/29/03	<1	<1	<1	<1	<5.0	<0.1	124.0
WO-018	Cindy Selman	05/29/03	<1	<1	<1	<1	<5.0	<0.1	59.7
WO-021	C.D. Slaughter	05/29/03	<1	<1	<1	<1	<5.0	<0.1	32.6
WO-025	Emma Owings	06/02/03	1,1	<1	<1	<1	<5.0	<0.1	178.0
WO-026	Mavis Williams	06/03/03	<1	<1	<1	<1	<5.0	<0.1	70.3
WO-029	Virgil Whittman	06/03/03	<1	<1	<1	<1	<5.0	<0.1	198.0
WO-032	J. Cleveland	06/03/03	<1	<1	. <1	<1	<5.0	<0.1	135.0
WO-033	D. Dobbs	06/03/03	7.0	2.0	<1	<1	<5.0	<0.1	80.9
WO-036	RV Kerbo	06/03/03	<1	<1	<1	<1	<5.0	<0.1	127.0
WO-038	G. Campos	06/03/03	<1	<1	<1	<1	<5.0	<0.1	96.0
WO-041	L. Sandoval	06/03/03	<1	<1	<1	<1	<5.0	<0.1	87.4
WO-048	B. Glover	06/03/03	<1	<1	<1	<1	<5.0	<0.1	224.0
WO-028	TW Weddle	06/03/03	<1	<1	<1	<1	<5.0	<0.1	92.9
WO-030	Wallace Cox	06/03/03	<1	<1	<1	<1	<5.0	<0.1	74.5
WO-031	James Wray	06/03/03	<1	<1	<1	<1	<5.0	<0.1	49.8
WO-034	Rodriguez #1	06/03/03	2.5	1.3	<1	<1	<5.0	<0.1	96.1
WO-035	Rodriguez #2	06/03/03	<5.0	88.3	148.0	[773.0 ·]	117.0	12.4	30.4
WO-037	K. Muney	06/03/03	<1	<1	<1	<1	<5.0	<0.1	121.0
WO-039	J. Pfeiffer	06/03/03	<1	<1	<1	<1	<5.0	<0.1	33.0
WO-040	V. Tipps	06/03/03	<1	<1	<1	<1	<5.0	<0.1	102.0
WO-042	L & H Coons	06/03/03	<1	<1	<1	<1	<5.0	<0.1	65.4
WO-043	Stansberry #1	06/03/03	<1	<1	<1	<1	<5.0	<0.1	68.6
WO-044	Stansberry #2	06/03/03	<1	<1	<1	<1	<5.0	<0.1	402.0
WO-045	J. Garnsey	06/03/03	<1	<1	<1	<1	<5.0	<0.1	115.0
WO-046	Neal King	06/03/03	<1 ¢	e<1	<1	<1	<5.0	<0.1	110.0
WO-047	B. Stoneman	06/03/03	<1	<1	<1	<1	<5.0	<0.1	64.3
WO-023	Jim Collins	05/29/03	<1	<1	<1	<1	<5.0	<0.1	60.7
WO-020	Raymond Stone	05/29/03	<1	<1	<1	<1	<5.0	<0.1	226.0
WO-019	Joye Dobbs	05/29/03	<1	1.0	<1	<1	<5.0	<0.1	61.3
NM-GS		<del></del>	10	750	750	620	NA	NA	250
EPA MCL			5	1,000	700	10,000	NA NA	NA NA	250
	d Odor Threshold <sup>1</sup>		500-4500	42.0	29.0	17.0	5 ug/L	56 ug/L	-
			,	.2.0	_5.0	.1.0			

NOTES:

DRO = Gasoline Range Organics

GRO = Diesel Range Organics
TPH -Total Petroleum Hydrocarbons

NM-GS = New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standard

Italics - National Secondary Drinking Water Regulations (NSDWRs or secondary standards)

BOLD - Indicates concentrations exceeding the NM-GS action level or EPA MCL standard

1 USEPA taste and odor threshold, Federal Register 54(97) 22064-22138.

mg/L = milligrams per liter

ug/L = micrograms per liter

EPA = Environmental Protection Agency

NA = Non Applicable

MCL - Maximum Contaminant Level

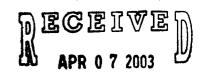
## TABLE 4 OBSERVATIONS

## WINDMILL OIL HOBBS, NEW MEXICO

		,	• 🕶
WELL:ID.≡	DOMESTIC WELL	INTERA WELL SAMPLING OBSERVATIONS	RESIDENTS OBSERVATIONS
WO-004	Frontera Family	Silty/Sandy water	
WO-007	Occidental Perm	"non-potable" lable above bathroom sink in office	Well is only used for non-potable water
WO-017	D Dixon		Put in new well due oil and smell
WO-019	Joye Dobbs	During sampling the water was effervescent like a carbonated beverage	
WO-023	Jim Collins		Put in new well because other one went bad with oil
WO-030	Wallace Cox		Buying bottled water. Well water is only used for irrigation
WO-035	_	Fairly clear initially then became brown/rusty color with odor, sheen, and brown goopy appeared in puddle	
WO-036	RV Kerbo		State tested water but has not done anything about it. 1983 well went bad and both properties are running from same well
WO-046	Neal King		Had 3 wells but other 2 wells pumps pulled because wells tested positive for benzene
WO-048	B. Glover		Oil in water can be seen and tasted

### APPENDIX 1 SURVEYS/ACCESS AGREEMENTS





Property Owner(s) Name:_	RICE Operation	g Company
Address: 122 W. To	aylor Ho	bbs 1
State: NM	•	·
How many wells are located	d on the property? 3	How many wells are for domestic use?
Where is each domestic use	e well located on the Property	y? Please describe with as much detail as possible.
Well No. 1:		
	•	1
Well No. 2:		
		·
Well No. 3:		
Well No. 4:		
When was each domestic u	ise well constructed (MM/DD/	<b>∕</b> ∕^?
	•	Well No. 3
Well No. 4		
What is each domestic use	well approximate total depth :	and denth to water?
Well No. 1		Well No. 2
Well No. 3		Well No. 4
weil No. 3	· .	vveii 140. 4
How can the well be access faucet, bathroom sink, etc)	sed? Exterior access point (la	awn spigot, at well, etc) or interior access point (kitchen
Well No. 1	Well No. 2	Well No. 3
Well No. 4		

DAY:					_	_
Monday	Tuesday	Wednesday,	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
			······································			
		e to call to arrange	an appointme	ent to test your v	vell on the day(s)	and time(s
specified abo	ove?		i	•		
Person to Ca	III <u>Kcisti</u> c	r Farris				
Telephone E	)aytime: <u>393-</u>	3174 Eveni	ing:	·		
Mobile Phon	e: <u>631-50</u> 7	15				,
	المعادمة سادة عادات				مصنفه مما المدين مطفاه	
For the prote	ection of our techni	icians, please list all	animais iocate	ed onsite or arour	id the well location	1.
Animals Loc	ated Onsite (livest	ock, dogs, etc):	None			
			<del></del>		<del></del>	
			ı			
Are any of th	e domestic use w	ells registered with S	State of New M	lexico Engineer's	office? Yes or No	2
-		ons regarding this s				
			urvey.			
All 3	wells are	man1+071	ng well	s for th	e pur po	54
ot aro	undwater	manitarina	J 001	1 + Rice	Operat	ina
()	•	FOR EVOLY	1	•	3000.	
<del>-1112-</del>	(3)		0			
		, , , , , , , , , , , , , , , , , , , ,				- · · · · · · · · · · · · · · · · · · ·
L bereby are	ant access to INIT	TERA representative	es to my pror	party for the sole	a numose of oht	aining water
i Heleby Gra	ant access to him	Env representative	es to my brot	beity for the sole	pulpose of obt	alling water
	testing trom my do ne(s) indicated abo	omestic supply well.	I also verify that	at I (or a represer	ntative for me) will	be available
during the tin		ove.	I also verify tha	at I (or a represer	ntative for me) will	be available

Please circle the following:



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON** 

Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery
Director

Oil Conservation Division

RICE OPERATING CO 122 W TAYLOR HOBBS, NM 88240-0000

RE: DOMESTIC WATER WELL SURVEY

Gentlemen:

The State of New Mexico Oil Conservation Division (NMOCD) is initiating a study of ground water conditions in the vicinity of what has been called the Windmill Oil site. As part of this study, we are conducting a survey of water wells within sections 29 and 30 of Township 18 South Range 38 East, Lea County, New Mexico. Where water wells are identified, the NMOCD is requesting permission to sample water from the wells and submit the samples for a laboratory analysis of the ground water quality. The NMOCD has contracted with INTERA, Inc. to conduct the survey and sample the water wells. All water sampling costs and laboratory sample analyses will be paid for by the NMOCD. A copy of the analyses and an explanation of the water quality in each well will be provided to the well owners.

March 26, 2003

You have been identified as owning property in this area. We request that you please complete the attached well survey form and return the survey form in either the self-addressed stamped envelope or by fax as indicated on the form. If you have a water well, our contractor, INTERA, Inc., will be contacting you on behalf of the NMOCD to request a convenient time to sample your water well. Your cooperation in this survey is greatly appreciated and will help us better understand the ground water conditions in this area.

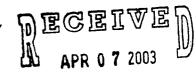
If you have any questions, please don't hesitate to call me at (505) 476-3490 or Bill Olson of my staff at (505) 476-3491. Thank you for your cooperation.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief





Property Ov	vner(s) Name:	un #65	delivite	ੈ ਹ	
Address:	901 90 Mes	a Week	,		
State: Ha	ff 11- 11-Zip: R.	8240			
	wells are located on the pro		How many we	ells are for domestic u	use?
Where is ea	ch domestic use well locate	ed on the Property	? Please describ	e with as much detail	as possible.
Well No. 1:	Well Ha	use		····	
					· · · · · · · · · · · · · · · · · · ·
Well No. 2:			<u> </u>		
.*					
Well No. 3:					
** ***	. <del>.</del>			• •	'
:					, 1 . 1
Well No. 4:	:			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
When was e	each domestic use well con	structed (MM/DD/	(Y)?		
Well No. 1	Dant Knall	Well No. 2	<u>.</u>	Well No. 3	
					•
What is eac	h domestic use well approx	rimate total depth a	nd depth to wate	er?	
Well No. 1 _	Dort Kno	ell_	Well No. 2		
Well No. 3	·				
				, ,	** * * * * * * *
	e well be accessed? Exteriorom sink, etc)		wn spigot, at we	ll, etc) or interior acce	ess point (kitchen
Well No. 1	EXTERIOR	Well No. 2	·	Well No. 3	

Day(s) and t	ime(s) that would	best for our technic	cian to visit and	take water samp	les?	
DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:			***************************************			***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				***************************************
When would	d be the best time	e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	and time(s)
specified abo			• •	·	•	, ,
Person to Ca	all <u>24 0</u>	tohnist.	0 X/			
Telephone E	Daytime: <u>525</u>	<u> 3<i>52 / ク</i></u> Eve	ning:			•
Mobile Phon	e:					
For the prote	ection of our techn	icians, please list a	all animals locate	ed onsite or arour	nd the well location	า.
Animals Loc	ated Onsite (livest	tock, dogs, etc):	Mor	<i>,</i>		
		·				
Are any of th	ne domestic use w	ells registered with	State of New M	lexico Engineer's	office? Yes or No	?
-		ons regarding this	0.115.40.41			·
	<u> </u>			out K	now	
· · · · · · · · · · · · · · · · · · ·			<u> </u>			
-						
					<u></u>	
samples for		TERA representationestic supply wellove.			ntative for me) wil	
Name:	TH HOLD	esto				

Please circle the following:





Property Owner(s) Name: ALTON AND SUZANNE HOWELL
Address: 1811 BENSING Rd - HODDS.
State: M. MLX zip: <u>88240</u>
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: Centin of property - 100 South
Well No. 1: Centin of property - 100 South
Well No. 2:
Well No. 3:
Well No. 4:
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 Unknown Well No. 2 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
l = 0
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen
faucet, bathroom sink, etc)
faucet, bathroom sink, etc)  Well No. 1Well No. 3

Day(s) and t	ume(s) that would t	best for our technic	an to visit and t	ake water sampi	es:	
DAY:						•••••••••••••••••••••••••••••••••••••••
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						······································
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would	d be the best time	e to call to arrange	e an appointme	ent to test your v	vell on the day(s)	and time(s)
specified ab				Λ	1	
Person to Ca	all <i><u>Alton</u></i>	v Home	M or	) Sell 9	Howell	)
Telephone [	Daytime: <u>390-</u>	2454 Ever	ning:			·
Mobile Phor	ne:					
			•			
For the prote	ection of our techni	cians, please list al	Il animals locate	d onsite or arour	nd the well location	٦.
Animals Loc	ated Onsite (livest	ock, dogs, etc):	3	leas) t	tout a	re
	enced.			0	,	<del></del>
U'			;			
Are any of th	ne domestic use we	ells registered with	State of New M	lexico Engineer's	office? Yes or No	)?
		ons regarding this s				
	· · · · · · · · · · · · · · · · · · ·					
					<u></u> .	
	·					
I hereby gra	ant access to INT	ERA representativ	ves to my prop	perty for the sole	e purpose of obt	aining water
samples for		mestic supply well				
Name: /	SKZAN ALTANI	HOWE HOWEL	4			
	L'ADRIN	me Was			. •	
Signature:		TIVE TIME	<u>ver</u>			

Please circle the following:

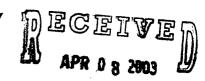




Property O	wner(s) Nar	ne: <u>LIS</u>	a moore			
Address: _	1819	N. Gar	ry Lane	Hobbs,	, N.M.	
			18240-92			
How many	wells are lo	cated on the pr	operty?	How many w	vells are for domestic use?	
					be with as much detail as p	
Well No. 1:						
Well No. 2:		•			:	
						·····
Well No. 3:					<del>,</del>	
		,				
Well No. 4:						
						<del></del>
When was	each dome	stic use well co	nstructed (MM/DD/	YY)?		
Well No. 1_			Well No. 2		Well No. 3	
Well No. 4			·			
What is ea	ch domestic	use well appro	ximate total depth	and depth to wat	ter?	
Well No. 1	<del></del>			Well No. 2		
Well No. 3			·	Well No. 4		
	ne well be a		rior access point (la	awn spigot, at we	ell, etc) or interior access p	oint (kitchen
Well No. 1_			Well No. 2		Well No. 3	
Well No. 4						

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday						
TIME:	- accuay	·····										
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm						
		······································	•••••••••••••••••••••••••••••••••••••••		***************************************							
When wou	ıld be the best time	e to call to arrange	e an appointme	nt to test your v	vell on the dav(s)	and time(s						
specified a		- 10 Cam 10 Given 19		,	· · · · · · · · · · · · · · · · · · ·							
Person to 0	Call I ISA	MOORE										
_	Daytime: 393		ning: 393	3-5321		,						
	one: 369-5			7 3 3 3 1								
Mobile File	111e. <u>901 c</u>	<u>)                                    </u>										
		•		,								
Í					For the protection of our technicians, please list all animals located onsite or around the well location.							
For the pro	tection of our techn	icians, please list a	II animals locate	d onsite or arour	nd the well location	1.						
	tection of our techn	·		Landard Company (St. 1997)	nd the well location							
		ock, dogs, etc):		e-call b	de							
		ock, dogs, etc):	Please	e-call b	de							
Animals Lo	cated Onsite (livest	ock, dogs, etc):	Please	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New M	ik your	efore ye	70 CO						
Animals Lo	cated Onsite (livest	ells registered with	Please Than State of New Manager Survey:	exico Engineer's	office? Yes or No	?						



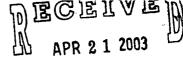


Property Owner(s) Name: ITames Ray Serviss & Beverly Ann Serviss
Address: West Sanger Rd. Extension (surface description enclosed)
State: New Mexico Zip: 88240
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: North end of Property near fenceline. West of patios laborelm tree
Proporty is vacant. Few stalls & roping arena. No living quarters.
Well No. 2: Have not seen property since 1987. Do not know if well
pump is still operational. You may access site at any
Well No. 3: time. I live in Albuquerque, N.M. My husband is deceased.
No representative will be available.
Well No. 4: Bourly Am Source
4-5-03
When was each domestic use well constructed (MM/DD/YY)? Prior to 1970?
Well No. 1 Well No. 2Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 Well No. 3
Well No. 4

DAY:				***************************************	***************************************	***************************************
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
When would		e to call to arrange	e an appointme	nt to test your v	vell on the day(s)	and time(s
Person to Ca	all			·		
Telephone D	Daytime:	Eve	ning: <u>505 - 9</u>	22-614	3	•
Mobile Phon	e:				•	
For the prote	ection of our techn	icians, please list a	II animals locate	d onsite or arour	nd the well location	٦.
	ated Onsite (lives	·				
Allinais Loo	alea Onsile (iives					,
			,		<u>, </u>	<del></del>
					<i>"</i>	·>
		rells registered with		exico Engineer's	office? Yes or No	,? >
		rells registered with		exico Engineer's	office? Yes or No	>?
				exico Engineer's	office? Yes or No	> >
				exico Engineer's	office? Yes or No	)?
				exico Engineer's	office? Yes or No	)?
				exico Engineer's	office? Yes or No	)?
				exico Engineer's	office? Yes or No	)?
				exico Engineer's	office? Yes or No	)?
Additional co	omments or quest	TERA representation	ves to my prop	perty for the sole	e purpose of obt	aining wate
I hereby grasamples for t	ant access to INtesting from my de	TERA representation	ves to my prop	perty for the sole	e purpose of obt	aining wate

23	765	See BOOK	333 MAGE	39
WARRA	NTY DEED			٠,
O. L. HOUSE and GENIA ARLENE HOU	SE, his wife,			
		· · · · · · · · · · · · · · · · · · ·	•	
	· · · · · · · · · · · · · · · · · · ·	, for consideration	paid, grant	_ to
IAMES RAY SERVISS and BEVERLY AN	N SERVISS, hi	a wife,		<del></del>
the following described real estate in	LEA	county, New Mex	ilco:	
THE SURFACE ONLY TO:				
Beginning at a point fro of Section 30, Township N.M.P.M., Lea County, Ne East a distance of 1258 a distance of 40 feet; t 132 feet; thence North 0 North 89°57' East 132 fe East 660 feet to the poi ing 2.00 acres, and A tract of land located 30, Township 18 South, R	18 South, Ran w Mexico, bea feet and South hence South 8 03' West 660 et; thence South of beginni	ge 38 East, rs North 89° h 0°03' East 9°57' West feet; thencuth 0°03' ag, contain- E/4 of Secti	57 <b>'</b> e	
Beginning at a point Sou feet and North 0°03' Wes common to Sections 22, 3 0°03' West 660.0 feet, t 330.0 feet, thence South thence North 89°57' East of beginning,	t 40.0 feet f 10, 31 and 32, thence South 8 1 0°03' East 6	rom the corn therea Nort 9°57' West 60.0 feet,	er	
· ·				
with warranty covenants.	<i>a</i>			
WITNESS OUT hand 8 and sea  February 19 73	Oh. A	Touse	<del>// (8</del>	sy of Seal) Seal)
		· 	(S	Seal)
STATE OF NEW MEXICO,  County of LEA			(i	Seni)
The foregoing instrument was acknowledged before  1973 by O. L. HOUSE and GENIA ARLE  My Commission expires /1-30-7-19		wife.  Notary Public	Posser /	
STATE OF NEW MEXICO,	Records of Deeds	of said County.	, v ,	•





Property Owner(s) Name: Gary Jones	
Address: P.O. Box 1786 Hobbs	
State: NM Zip: 88241	
How many wells are located on the property? How many wells are for domestic use?	?
Where is each domestic use well located on the Property? Please describe with as much detail as	possible.
Well No. 1: North of building in	
Parking Lot	
/	
Well No. 2:	
Well No. 3:	
en augustus errorden er en	
	· · · · · · · · · · · · · · · · · · ·
Well No. 4:	· · · · · · · · · · · · · · · · · · ·
M/hon was such demostic was well constructed (MMA/DDAAA)	· · · · · · · · · · · · · · · · · · ·
When was each domestic use well constructed (MM/DD/YY)?	
Well No. 1 1975 - 7 Well No. 2 Well No. 3	
Well No. 1 1975 - 7 Well No. 2 Well No. 3	
Well No. 1 1975 7 Well No. 2 Well No. 3 Well No. 4 Well No. 4 Well No. 4 Well water?	
Well No. 1 1975 - 7 Well No. 2 Well No. 3	
Well No. 1 1975 7 Well No. 2 Well No. 3 Well No. 4 Well No. 4 Well No. 4 Well water?	·
Well No. 1 1975 * 7 Well No. 2 Well No. 3 Well No. 4 Well No. 4 Well No. 4 Well No. 1 4 No. 1 4 No. 1 Well No. 1 4 No. 2 Well No. 2 Well No. 2	·
Well No. 1 1975 7 Well No. 2 Well No. 3 Well No. 4 Well No. 1 4 Well No. 1 4 Well No. 1 Well No. 2 Well No. 2 Well No. 3 Well No. 3 Well No. 4 Well No. 4 Well No. 4	
Well No. 1 1975 Well No. 2 Well No. 3  Well No. 4 Well No. 2 Well No. 2  Well No. 1 4 Well No. 2  Well No. 3 Well No. 2  Well No. 3 Well No. 4  How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access faucet, bathroom sink, etc)	pojat (kitchen
Well No. 1 1975 7 Well No. 2 Well No. 3 Well No. 4 Well No. 1 4 Well No. 1 4 Well No. 1 Well No. 2 Well No. 2 Well No. 3 Well No. 3 Well No. 4 Well No. 4 Well No. 4	pojat (kitchen

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm )	7:00 pr
When would	I be the best time	e to call to arrange	e an appointme	nt to test your w	ell on the day(s)	and time(
specified abo	ove?	Λ				
Person to Ca	all Gar	17316EVE	25			
Telephone D	aytime: 393	17316Eve	ning: 39	2-772	24	•
Mobile Phon	_		<del></del>		,	
Are any of th	e domestic use w	ells registered with	State of New M	exico Engineer's	office? Yes or No	?
	mments or questi	ons regarding this	survey:			
Additional co					<del> </del>	
Additional co						
Additional co						
Additional co						
Additional co						
Additional co						
Additional co						





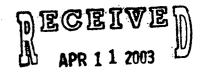
4-7-03

Property Owner(s) Name: IT Tackson 2329 W. Lanehart
Address: 2302 Sierra Vista Hobbs NM 11. + 201 NM CRID SET NET Sec 29 T185 R38
State: Artesia zip: NM 88210   SE & NEG Sec 29 7185 R38
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: Wellhouse - South side of Residence - Outside
ot fence - 5E4-NE4 Sec 29 T185 R38E
Wellson Beginning at a point which Lies Soo 02 E 1802.00 Fee
andwest a distance of 1067.24 Feet From NE Corne
wormen of said sec 29; Thene soo of Ea distance of
335.00 feet Thence West a dist of 255.66 At
Wellson: Thence Noo 03W a dist. of 335. of Thence East
a dist of 255.66 ft to the point of Beginning.
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 Unknown - Residence Well No. 2 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 80 14 pipe in Well- Water level un Known.  Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 Lawn Spigot on Worth well no. 2 Well No. 3 Well No. 3
Well No. 4

Please circle the following: Day(s) and time(s) that would best for our technician to visit and take water samples? DAY: Monday Tuesday Wednesday Thursday Friday Saturday Sunday TIME: 7:00 am 9:00 am 11:00 am 1:00 pm 3:00 pm 5:00 pm\_ 7:00 pm When would be the best time to call to arrange an appointment to test your well on the day(s) and time(s) specified above? Person to Call Telephone Daytime: 393-8449 Evening: Samp Mobile Phone: 631-8449 For the protection of our technicians, please list all animals located onsite or around the well location. Animals Located Onsite (livestock, dogs, etc): Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No? Additional comments or questions regarding this survey: I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining water samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.

Name:  $\int I - IacKson$ Signature:  $\int Iackson$ 

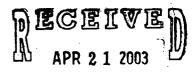




Property Owner(s) Name:_	JERRY L	BERRY		
Address: 2022 /V	Co HREIL	-		
State: Hobbs NM	1x zip: 88240			
How many wells are locate	d on the property?	How many wel	lls are for domestic use?	1
Where is each domestic us	e well located on the Prop	erty? Please describe	with as much detail as possil	ble.
Well No. 1: Next	te home			
		· · · · · · · · · · · · · · · · · · ·		
Well No. 2:				<del></del>
	· · · · · · · · · · · · · · · · · ·			<del></del> .
Well No. 3:				· 
				7
Well No. 4:	· · · · · · · · · · · · · · · · · · ·		<del></del>	-
				·
When was each domestic ι	use well constructed (MM/[	DD/YY)?		
	·	•	Well No. 3	
Well No. 4				
'				
What is each domestic use	well approximate total dec	oth and depth to water	?	
Well No. 1 <u>120-140</u> ∮	+ deep 35-40ft	4 Well No. 2		
Well No. 3		س +۱۹۲ — Well No. 4 —		
How can the well be acces	sed? Exterior access poin	t (lawn snigot at well	etc) or interior access point	(kitchen
faucet, bathroom sink, etc)	A	r flaggi spigor ar meil	cto, or interior access point	1.4401.011
Well No. 1 hack yar	Well No. 2		Well No. 3	
Well No. 4	*			

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:		•	***************************************	***************************************		
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would specified abo		e to call to arrange	e an appointme	nt to test your v	vell on the day(s)	and time(s
Person to Ca	11 Sherry	L BERRY	/	,		
Telephone D	aytime: <u>390</u>	-9573 Ever	ning:			
Mobile Phon	e:	<del></del>				
,		icians, please list a	Il animals locate	d onsite or arour	d the well location	1.
Animals Loca	ated Onsite (livest	ock, dogs, etc): _				·
	····	- 144 / 14	:		r	·
	a domastic usa w	ells registered with	State of New M	exico Engineer's	office? Yes or No	_
Are any of th	e admestic use w			•		?
•		ons regarding this s	survey:	. •		?
-		-	survey:			?
		-	survey:	. ·		?
•		-	survey:			?
•		-	survey:			?
		-	survey:			?
		-	survey:			?
Additional co	mments or question	ERA representative	es to my prop			aining wate
Additional co	nt access to INT	ERA representative	es to my prop			aining wate





Property Owner(s) Name: RONNIE	Elee	,	
Address: 2/20 Bensing	Rd	Hobbs	
State: <u>NM</u> Zip: <u>\$8240</u>	<u>)</u>		
How many wells are located on the property?	How many	wells are for domestic use?	
Where is each domestic use well located on the	Property? Please desc	ribe with as much detail as p	ossible.
Well No. 1: NW CorNer a	f Property	AGA:NST WI	eter
Processing of	^ / \		
Well No. 2:	<b>.</b>		
		·	·
Well No. 3:			
and the second of the second o			
		Anna Caranta	
Well No. 4:			
·			
When was each domestic use well constructed	(MM/DD/YY)?		
Well No. 1 Well		Well No. 3	
Well No. 4			
:	•		
What is each domestic use well approximate to	tal denth and denth to w	ater?	
_ · ·			
Well No. 1 <u>Fstimated</u> 80' Pun, Well No. 3	Well No. 4		
well No. 3	VVeir NO. 4		
	The state of the s	ent e e e e e e e e e e e e e e e e e e	· - · · · · · · · · · · · · · · · · · ·
How can the well-be accessed? Exterior access faucet, bathroom sink, etc)	s point (lawn spigot, at v	vell, etc) or interior access p	oint (kitchen
faucet, bathroom sink, etc)  Well No. 1 Numerous Access Well	No. 2	Well No. 3	
Well No. 4			•

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sun
TIME:						•••••••••••••••••••••••••••••••••••••••
7:00 am (8:3	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00
When would		e to call to arrange	e an appointme	ent to test your w	vell on the day(s)	and tim
Person to Ca	$\mathcal{D}$	inie Lee				
کی) Telephone D	~ <del>~ \</del>	·2 <i>598</i> Eve	nina: 397-	3047		
	e: <u>390 -6</u>	r	9 <u></u> 7_ <u></u>	<u> </u>		
						•
For the prote	ection of our techn	icians, please list a	II animals locate	ed onsite or aroun	d the well location	٦.
			4			
Animala Laa	atad Onaita /livaat	taale daga atale	71 1	3		
Animals Loc	ated Onsite (livest	tock, dogs, etc):	N <del>I</del>			
Animals Loca	ated Onsite (livest	tock, dogs, etc): _	<i>N</i>		· · · · · · · · · · · · · · · · · · ·	
Animals Loca	ated Onsite (livest	tock, dogs, etc): 	<i>N</i>		7	
	·	tock, dogs, etc):ells registered with	State of New M	lexico Engineer's		9.
Are any of th	ie domestic use w	· · · · · · · · · · · · · · · · · · ·		lexico Engineer's		?
Are any of th	ie domestic use w	ells registered with	survey:	· , , , , ,	office? Yes or No	5?
Are any of th	ie domestic use w	ells registered with	survey:	lexico Engineer's	office? Yes or No	n? A/
Are any of th	ie domestic use w	ells registered with	survey:	· , , , , ,	office? Yes or No	o? A/
Are any of th	ie domestic use w	ells registered with	survey:	· , , , , ,	office? Yes or No	s? A/
Are any of th	ie domestic use w	ells registered with	survey:	· , , , , ,	office? Yes or No	h? A/
Are any of th	ie domestic use w	ells registered with	survey:	· , , , , ,	office? Yes or No	)? A/
Are any of th	ie domestic use w	ells registered with	survey:	· , , , , ,	office? Yes or No	s? A/
Are any of th	ie domestic use w	ells registered with	survey:	· , , , , ,	office? Yes or No	h?
Are any of the Additional co	ne domestic use wormments or questing the second se	ells registered with	survey:	nail bus	office? Yes or No	aining w



Property Owner(s) Name: Oxy PERMIAN LIMITED
Address: 1017 W. STANDLIND THORES HORBS
State: NEW MCY100 ZID: BBINIA
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: ULL- SEC 29, T-18-5, R-38-E, NORTH HOBBS UNIT CENTRAL
TANK BATTERLY, OF INTERSECTION OF MAHAN DrivE AND WEST
WOLLDOW COUNTY ROAD IN HOERS WELL HOUSE EAST
OF EAST DEIVE IN GATE.
Well No. 3:
AAZ-II AI 4.
Well No. 4:
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 10/27/80 Well No. 2 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 TD 187' - Depth to water 48' Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 BATHROOM Well No. 2 Well No. 3
Well No. 4



Date:	04/16/2003	
Number	of pages including cover sheet:	3

	Intera Inc.
	Albuquerque, NM
	Attn:Jerome A. Marcz
Phone:	
Fax phone:	(505) 246-2600

From		
	Steven M. Bishop	
	HES Tech	
	Hobbs, New Mexico	
Phone:	(505) 397-8251	
Fax phone:	(505) 397-8204	

REMARKS:	Urgent	For your review Reply ASAP	Please comment
•			
	l		

DAY:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	188447			-1649191 <del>1019140</del> 04+*****44+***
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunda
TIME:	**************************************	······································	***************************************	18 (44 6 184 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	196460 5000, de en	1 <b>4144141 181</b> 422
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm)	5:00 pm	7:00 pr
Mhon would	d ha tha bast time		• ••		all and the offered and	
		e to call to arrange or ://DNESA		it to test your w	ell on the day(s)	and time(
Person to C	all 575V	e Bismof	,	•		
	4	97-825/ Eve	-	· · · · · · · · · · · · · · · · · · ·	:	
	ne: <u>(5</u> 05) 390 -			<del></del>		
VIOSIIO I TIO	0. <u>000</u>	, 10 1 (C )				
			•			
For the prote	ection of our techn	iciana, please list a	ill animals located	d onsite or aroun	d the well location	n.
Animale I on			/ 4			
Allinas Loc	sevii) eniero oens:	tock, dogs, etc):	NONE			
	elied Onsire (lives	rock, dogs, etc):	NONE			
	eied Onsire (lives	rock, dogs, etc):	NONE		· · · · · · · · · · · · · · · · · · ·	
				exico Engineer's	office (Yes)or No	o?
Are any of th	ne domestic use w	vells registered with	n State of New Mo	exico Engineer's	office (Yes)or No	o?
Are any of th	ne domestic use w		n State of New Mo	exico Engineer's	office (Yes)or No	o?
Are any of th	ne domestic use w	vells registered with	n State of New Mo	exico Engineer's	office (Yes)or No	o?
Are any of th	ne domestic use w	vells registered with	n State of New Mo	exico Engineer's	office (Yes)or No	o?
Are any of th	ne domestic use w	vells registered with	n State of New Mo	exico Engineer's	office (Yes)or No	o?
Are any of th	ne domestic use w	vells registered with	n State of New Mo	exico Engineer's	office (Yes) or No	o?
Are any of th	ne domestic use w	vells registered with	n State of New Mo	exico Engineer's	office Yes or No	0?
Are any of th	ne domestic use w	vells registered with	n State of New Mo	exico Engineer's	office (Yes) or No	0?
Are any of the Additional control of the Add	ant access to IN testing from my d	rells registered with ions regarding this TERA representate omestic supply we	survey:	erty for the sole	purpose of ob	taining wat
Are any of the Additional control of the Additional control of the Indiana, and Ind	ant access to IN testing from my d	rells registered with ions regarding this TERA representate omestic supply we	survey:  ives to my prop il. I also verify tha	erty for the sole	purpose of ob	taining wat





Property Owner(s) Name: 2 weekt C forcel
Address: 1801 Jainels On
State: Hullo co Zip: 88240
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: Approx IN The Centre of Property
Well No. 1: Approx IN The Centre of Property  2 Ac 500 29 75 18 R 38 2 AC
Well-Min-
Well No 8.
Well No. 4:
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 10-30-70 Well No. 2 Well No. 3 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 /30 Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 Y Court favret Well No. 2 Well No. 3
Well No. 4

Day(s) and t	ime(s) that would I	oest for our techni	cian to visit and ta	ake water samp	les?	
DAY:	Any	DAY				
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	P)	n/ ///	n c	***************************************		
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
	٠,					
When would	f be the best time	to call to arrang	e an appointmer	nt to test your v	vell on the day(s)	and time(s)
specified abo	ove?					
Person to Ca	all Ever	elt Fo	cel-	· .		
Telephone D	all <u> </u>	93.8939Eve	ning:			
Mobile Phon			:.	_		•
For the prote	ection of our techni	cians, please list a	all animals located	d onsite or arour	nd the well location	ղ.
Animals Loca	ated Onsite (livest	ock, dogs, etc):	none	_		
		•				
			,			
Are any of th	e domestic use we	ells registered with	State of New Me	exico Engineer's	office? Yes or No	?
Additional co	omments or question	ons regarding this	survey:	. 14 1	_	
			1/6	n't K	now	
	•			<u> </u>		
					·-	
	·					
	<u>:</u>		·····			
					,	· · · · ·
samples for to	ant access to INT testing from my do ne(s) indicated abo	mestic supply wellove.				
0'	2	1.				



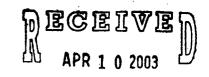
One Park Square 6501 Americas Parkway NE, Suite 820 Albuquerque, New Mexico 87110

Telephone: 505 246 1600 Fax: 505 246 2600

#### Record of Conversation

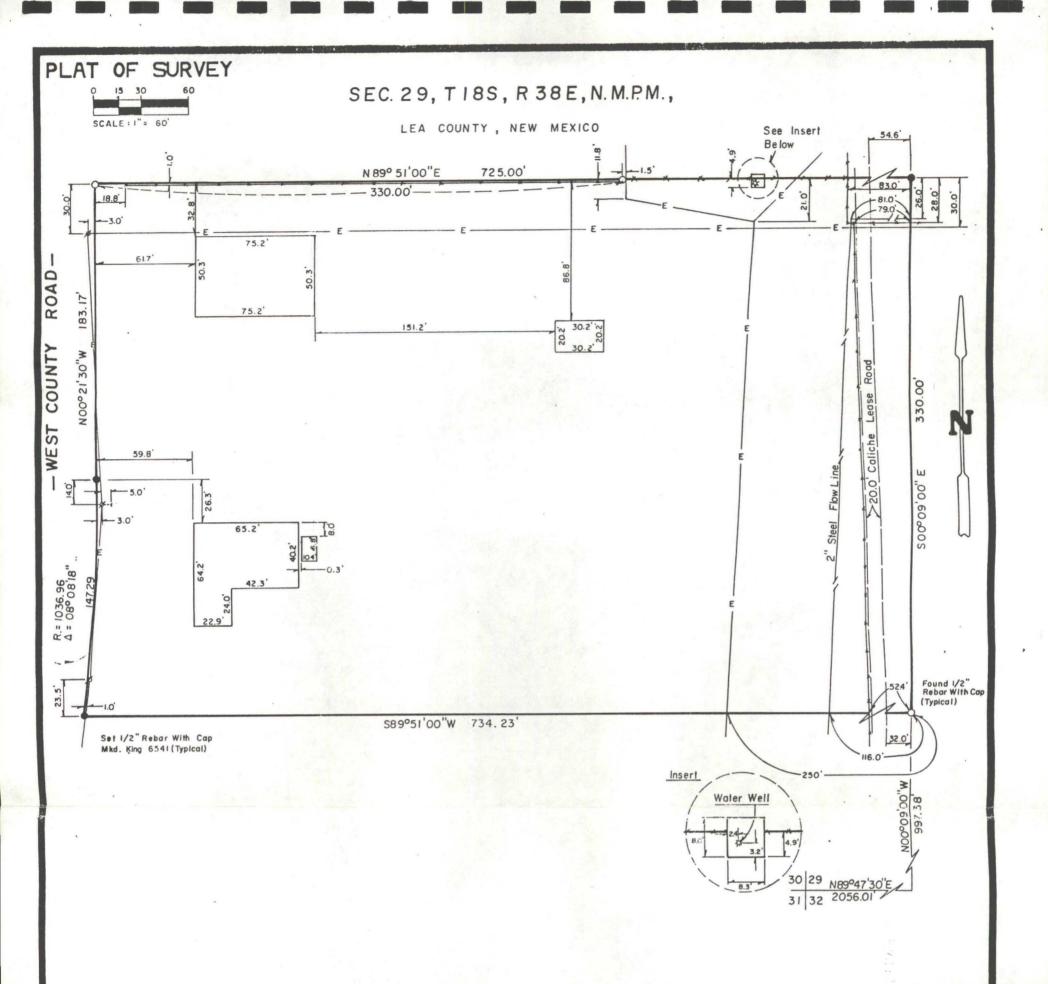
Person Called/Calling: Barbara /westhust oil Project #: NMO-Win
Client Name: Date: 4/22/03
Telephone #: /505-393-9714 Time: 125
Re: Access to water were ontife
- Mr. westbrook is in Meetings all dag
She will have him call back @ his pailest
Conveniere
(8-4) in office to take sample
1320 North west comp recol
She parks in side so will not
See any cars. Pall for directions
- Ash for Barbera i she will Grant
you access to get the Sample
Signature: Jame C. Mare
1 County Road
1320 N Wed County Road





Property Ov	vner(s) Name:	•••	WESTBROOK OIL	CORPORATION	
Address:			P O BOX 2264		
State:	NM	_ Zip:	88241-2264	Phone:_	505-393-9714
					are for domestic use?
Where is ea	ch domestic use	e well loc	ated on the Propert	y? Please describe v	vith as much detail as possible.
Well No. 1:		SEE A	ТТАСНЕД		
Mall Na O		(			:
Well No. 2:					
Well No. 3:					·. · .
			n ng kalonga		<u> Portugues de la companya del companya del companya de la company</u>
			·		
well No. 4:		<del></del>			
					<del></del>
When was e	each domestic us	se well c	onstructed (MM/DD	)/YY)?	
Well No. 1_			Well No. 2 _		
Well No. 4 _			<del></del>		·
	<i>:</i>				
What is eacl	h domestic use v	well appr	oximate total depth	and depth to water?	
Well No. 1 _		-		Well No. 2	
			•	Well No. 4	
	e well be access room sink, etc)	ed? Exte	erior access point (l	awn spigot, at well, e	etc) or interior access point (kitcher
Well No. 1_	· • · .		Well No. 2		Well No. 3
Well No. 4 _			<u></u>		

Day(s) and t	ime(s) that would	best for our technic	cian to visit and	take water samp	les?	
DAY:		······································				***************************************
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	***************************************					***************************************
7:00 am	9:00 am	11:00 am	•	•	, 5:00 pm	•
When would	be the best time	e to call to arrang	e an appointme	ent to test your v	well on the day(s)	and time(s)
specified abo	ove?					
Person to Ca	all			· .		
Telephone D	aytime:	Eve	ning:			•
Mobile Phon	e:		e tet			
Are any of the	e domestic use w	vells registered with	State of New M	lexico Engineer's		9?
		N OUR PROPERTY				
US WAT						
					<del></del>	
samples for t	ant access to IN- esting from my do ne(s) indicated ab	TERA representati omestic supply wel love.	ives to my prop I. I also verify tha	perty for the sol at I (or a represe	e purpose of obt ntative for me) will	aining water be available
Name:						
Signaturo						



#### DESCRIPTION

A 5.50 acre tract of land situated in the Southwest Quarter of Section 29, Township 18 South, Range 38 East, N.M.P.M., Lea County, New Mexico, being further described as follows:

Beginning at a point which lies N89° 47' 30"E 2056.01 feet and N00° 09'W 997.38 feet from the Southwest corner of said Section 29; thence S89° 51'W 734.23 feet to a point on the East right-of-way of County Road C- 66; thence northerly along said County Road 147.29 feet on the arc of a curve to the left having a central angle of 8° 08' 18" and a radius of 1036.96 feet; thence N00° 21' 30"W 183.17 feet along said road right-of-way; thence N89° 51'E 725.00 feet; thence S00° 09'E 330.00 feet to the point of beginning.

#### WESTBROOK

A 5.50 acre tract of land situated in Section 29, Township 18 South, Range 38 East N.M.P.M., Lea County, New Mexico.

4001 MAHAN DRIVE KING SURVEYING

I HEREBY CERTIFY THAT I AM THE PROFESSIONAL LAND SURVEYOR WHO PREPARED THE ABOVE PLAT FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY DIRECTION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



P.L.S. NO. 6541 N.M. P.P.S. NO. 02308 TX.

Sec 29?

;505 391 3102

# 1/ 2

דעם פוט טושם ד. בער פיק



# DOMESTIC WAILH WELL SUNVEY WINDMILL OIL SITE

Property Ow	ner(s) Name:_	Conc	oco Phil	lips C	, 0		
Address:	1410	Wes	T Cour	Ty R	pad		
State:	UM	Zip: 88	240	•			,
How many w	mils are located	on the prop	erty?	How many	wells are for dome	stic use?	<u>,                                      </u>
Where is ear	ch domestic use	e well located	i on the Propert	y? Please dasc	aibe with as much o	letail as possibi	íe.
Well No. 1:	The	well	is 100	ated	55 pac	es Eas	<u> </u>
	of Th	e of	fice i	The	29 yard	bull p	<u>en</u> .
Well No. 2:							
•						· ·	
 Well No. 3:			٠			•	<del>-</del>
						,	
· : .		• • • • • • • • • • • • • • • • • • • •			21 26	•	····.
Well No. 4:							
						,	
•		<del>-,</del>		· · · · · · · · · · · · · · · · · · ·			
			ructed (MM/DD/	•			
Well No. 1	4/30/2	1001	_ Well No. 2		Weil No. 3 _		
Well No. 4 _	····		_	• •			
What is each	domestic use v	well approxim	nate total depth :	and depth to wa	ater?		
Well No. 1	Unko	lown		Well No. 2			
Well No. 3		· · · · · · · · · · · · · · · · · · ·		Well No. 4			
•							
	well be access com sink, etc)	ed? Exterior	access point (la	wn spigot, at w	vell, etc) or interior a	ccess point (kit	chen
Well No. 1/	lawn sp	igoV	Well No. 2		Well No. 3		
Well No. 4	.*.		<b>-</b>			Page 1 of 2	• ••

APR-16-2003 12:23

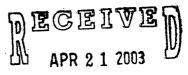
PTREC - BORGER

HU6 275 5706 P. 04/64

Please circle the following:	

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
Mhen wou	lid be the best time	to call to arrane	ne an appointme	nt to test vour w	ell on the dav(s)	and time(si
specified at				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Domonito (	Call Kenne	Th al /	to love of	•		
	Daytime: 390-	-	aurug:			
Mobile Pho	ne: <u>390-41</u>	521			•	
				.•		
For the prot	tection of our technic	cians, please list a	ali animals located	d onsite or eround	i the well location.	
Animals Lo	cated Onsite (livesto	ck, dogs, etc):	NONE			
				_		
ira anv <i>af</i> t	he domestic use we	lls registered with	State of New Mc	nion Farinaar's (	office? Yes or No?	,
				MCO CING-ROS: 3 (		•
<b>400MINULES</b> C	omments or questio	ns regarding the	survey:			
hereby gramples for	ant access to INTE testing from my don me(s) indicated above	nestic supply well	ves to my prope	inty for the sole I (or a representa	purpose of obtain tive for me) will be	ning water
hereby gramples for uring the tire	testing from my don	nestic supply well re.	. I also verity that	nty for the sole	purpose of obtain dove for me) will be	ning water

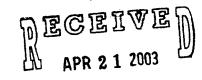




Property Owner(s) Name: B & D Soci	vices, Inc	. <u>*                                   </u>	
Address: 3000 W. Bender		Habbs	
State: New Mex. Zip: 88240	)		
How many wells are located on the property?		nany wells are for don	nestic use?
Where is each domestic use well located on the			
Well No. 1: Right inside ga	te, agai	ast Fenc	e
Well No. 2:		:	
			<del></del>
Well No. 3:			
· ·		- :::::::::::::::::::::::::::::::::::::	
Well No. 4:			· · · · · · · · · · · · · · · · · · ·
When was each domestic use well constructed	(MM/DD/YY)?		
Well No. 1_UNKNOWN Well	No. 2	Well No. 3	
Well No. 4			
;		•	
What is each domestic use well approximate tot	al depth and depth	to water?	
Well No. 1 <u>いん k い                                </u>	Well N	lo. 2	
Well No. 3	Well N	lo. 4	
How can the well be accessed? Exterior access faucet, bathroom sink, etc)		t, at well, etc) or interi	
Well No. 1 at well She J Well			·
Well No. 4			

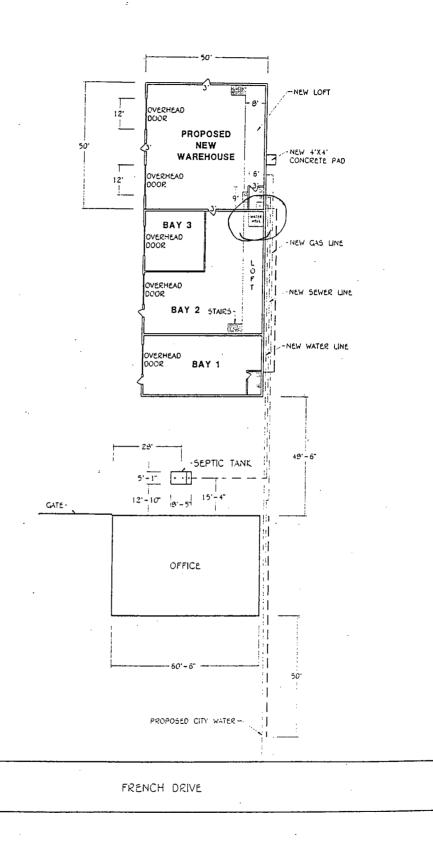
Please circle	the following:					
Day(s) and ti	ime(s) that would l	best for our ted	chnician to visit and	d take water sample	es?	
DAY:				***************************************		***************************************
Monday	Tuesday	Wednesda	ay Thursday	Friday	Saturday	Sunday
TIME:			·		***************************************	***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
						······································
When would	t ha tha hact time	a to call to arr	ango an annointn	nent to test your w	all on the day(s)	and time(s
specified abo		e lo can lo an	ange an appoint	nent to test your w	ell on the day(s)	and ume(s
•		11				
	all Justin			<del></del>		
*	Daytime: <u>505 - 3</u>		Evening: 54/	ME		
Mobile Phon	ie: <u>631-633</u>	5				
For the prote	ection of our techni	icians, please I	ist all animals loca	ated onsite or around	d the well location	า.
Animals Loca	ated Onsite (livest	ock, dogs, etc)	: (1) Do	<i>g</i>		· <u></u>
	•	• •	÷			
Are any of th	ne domestic use w	ells registered	with State of New	Mexico Engineer's	office? (resor No	?
Additional co	omments or questi	ons regarding t	this survey:			
					<u></u>	
-						
					·····	
samples for t	ant access to INT testing from my do ne(s) indicated abo	mestic supply	ntatives to my pr well. I also verify t	operty for the sole that I (or a represen	purpose of obt tative for me) will	aining water be available
_	• •					
Olement	stin Musq					
Signature:			Z			





Property Owne	er(s) Name	: Fronte	era Fami	ily Lim	ited	Partnership	
Address: 31	120 N.	Grimes	I	lobbs			
State: NM		Zip:	88240	•			
How many we	lls are loca	ted on the pro	perty?	<u>.         </u> н	ow man	y wells are for domestic use? _	0
Where is each	domestic	use well locate	ed on the Pr	operty? Ple	ase des	cribe with as much detail as po	ssible.
Well No. 1:	<u>See at</u>	tached s	site pla	an.			
Well No. 2:	-				<del> </del>		
·	<u>.</u>					· · · · · · · · · · · · · · · · · · ·	
Well No. 3:							
• . <u>-</u>				i i i i i i			1 2 4
Well No. 4:	· · · · · · · · · · · · · · · · · · ·			<del></del>			· ·
	· ·						
When was ead	ch domestic	c use well con	structed (Mi	M/DD/YY)?			
			•			Well No. 3	
Well No. 4			<del></del>	·· =			
· · · · · · · · · · · · · · · · · · ·							
What is each o	fomactic us	se well approv	rimate total (	denth and d	enth to v	vator?	•
Well No. 1 Do						2	
Well No. 3						1	
weiring. 3					eli No. 4		
							ina /istasis s
How can the vi faucet, bathroo			or access p	oint (lawn s	pigot, at	well, etc) or interior access po	int (kitchen
Well No. 1I	nterio	<u> </u>	Well No	. 2	<u> </u>	Well No. 3	
Well No. 4							

Day(s) and time(s) that would best for our technician to visit and take water samples?
DAY:
Monday Tuesday Wednesday (Thursday Friday Saturday Sunday
TIME:
7:00 am 9:00 am 11:00 am 3:00 pm 5:00 pm 7:00 pm
When would be the best time to call to arrange an appointment to test your well on the day(s) and time(s) specified above?
Person to Call Danny Dobbs
Telephone Daytime: 505-392-7676 Evening:
Mobile Phone:
For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  None
A CHARLES TO THE CONTRACT OF T
Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?
Additional comments or questions regarding this survey:
Please note this well is no longer in use. We are connected to
City Water Services. This property is rented out to another company
We would only have access to the water well from 8-5, Monday - Frida
We would like a copy of any report generated.
we would like a copy of any report generated.
I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining water samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.  Name:
Signature: Jim D. Koontz  Frontera Family Limited Partnership 4/15/03



## SITE PLAN SCALE NO SCALE

2125 FRENCH DRIVE

MAR D. SICKMANTE A LABOUDILITES, DEC. MASSITAGE ENGINEERS - ARBEIT MEA MEMPE

HOBBS, NEW MEXICO





Property Owner(s) Name: LARRY Cochra
Address: 1200 Terry CT. HOBBS
State: HOBOSNUZip: BB240
How many wells are located on the property?/ How many wells are for domestic use?/
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: South Side of BLDg - IN ENCLUSEd
Fenced Area.
Well No. 2:
Well No. 3:
n en produktione in 1900. Produktione in 1900 <del>- Petrolin de Navierra de Maria de la completation de la completation de la general</del> de la
Well No. 4:
M/hon was each demostic use well constructed (MM/DDAVV)
Well No. 1Well No. 2Well No. 3
Well No. 4
i
What is each domestic use well approximate total depth and depth to water?
Well No. 1 120 Deep 80 water Well No. 2
Well No. 3 Well No. 4
ing separat per
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 AT WELL HERD Well No. 2 Well No. 3
Well No. 4

Please circle	the following:					
	me(s) that would	best for our technic	cian to visit and t	ake water samp	les?	***************************************
DAY: Monday	Tuesday	Wednesday	Thursday	Eridov	Saturday	Sunda
TIME:	i uesuay	vveunesuay	muisuay		Saluruay	Sunda
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pr
When would	be the best time	e to call to arrange	e an appointme	nt to test your v	well on the day(s)	and time(
specified abo				·	,	`
Person to Ca	all LARRY	Cochra	as -			
Telephone D	aytime: 505-39	1 Cochra 17-2411 ×273 1334 376	ning: 392 -	5446		
Mobile Phon	e: 369-63	334 37	0-756	200 Po S.		
			, , , , ,	,,		
For the prote	ction of our techn	icians, please list a	II animals locate	d onsite or arou	nd the well location	1.
		tock, dogs, etc):				,
	`		<u> </u>			
Are any of th	e domestic use w	ells registered with	State of New M	exico Engineers	office? Yes or No	?
Additional co	mments or quest	ions regarding this	survey:	-		
			· · · · · · · · · · · · · · · · · · ·			
<u> </u>	<u> </u>					
						<u> </u>
						· · · · · · · · · · · · · · · · · · ·
samples for t		TERA representati omestic supply well ove.				
Name: <u>人</u>	ARRY C	ochspr	·			
Cianoturo	Tans C	all		•		

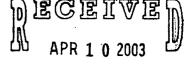




Property Own	ner(s) Name	:_ Tex	land	Peti	coleun	- Ho	665 L	L.C.		
Address:	777 /	Main	5+,	Ster	3200	)				<del></del>
State:		Zip:		<del></del>						
How many we	ells are loca	ted on the p	roperty?		How ma	any wells	are for do	mestic us	se?	<u>/</u>
Where is eac	h domestic	use well loca	ated on the	e Property	? Please de	escribe v	vith as mu	ch detail a	as possibl	e.
Well No. 1: _	SW/4	, Sect	rion	29,	7185,	R3	18E,	Lea	Con	ntz N.
										V
-										
Well No. 2: _	·····						· · · · · · · · · · · · · · · · · · ·			
			<del></del>							
Well No. 3: _		e artico etc.			·	·		· · · · · ·		
•					2					
-  							. ,			
Well No. 4:									· · · · · · · · · · · · · · · · · · ·	·
-	·	•,.			- · · · · · · · · · · · · · · · · · · ·					
When was ea	ach domesti	c use well co	onstructed	(MM/DD/	YY)?					•
Well No. 1	11/26	/01	Wel	l No. 2			_Well No.	3		<del></del>
Well No. 4			<del></del>							
	1.									
What is each	domestic us	se well appro	oximate to	tal depth a	and depth to	o water?				
Well No. 1 _	D220	, Wtr De	pth 75	<u> </u>	Well No	.2		,		
Well No. 3			_		Well No	. 4				
		and the second								•
How can the faucet, bathro			erior acces	s point (la	ıwn spigot,	at well, e	etc) or inte	rior acces	ss point (k	titchen
Well No. 1_	Exterio	r	Wel	l No. 2			_Well No.	3		
Well No. 4										

DAY:			***************************************	***************************************		***************************************
Monday	Tuesday	Wednesday	(hursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
		to call to arrange	an appointme	ent to test your w	ell on the day(s)	and time(s
specified abo		,				
Person to Ca	all KIRK	JACKSON				
Telephone D	Daytime: Cl915	-894-146/Even	ng:			
	ie: 9/5-894			,		
		<u></u> ,				
Ear the prote	nation of our tookni	niona placca list all	animala lacata	od opoito or around	d the well legation	
		cians, please list all	_		i trie weii location	•
Animais Loc	ated Onsite (livesto	ock, dogs, etc):	None	<u></u>		· 
			į			
Are any of th	ne domestic use we	ells registered with S	State of New M	lexico Engineer's	office? Yes or No	?
_		ells registered with Sons regarding this so		lexico Engineer's	office? Yes or No	?
-		-		lexico Engineer's	office? Yes or No	?
_		-		lexico Engineer's	office? Yes or No	?
_		-		lexico Engineer's	office? Yes or No	?
_		-		lexico Engineer's	office? Yes or No	?
-		-		lexico Engineer's	office? Yes or No	?
-		-		lexico Engineer's	office? Yes or No	?
Additional co	omments or questic	ons regarding this s	urvey:			
Additional co	ant access to INT testing from my do	ERA representative mestic supply well.	es to my prop I also verify the	perty for the sole at I (or a represen	purpose of obtative for me) will	aining wate be availabl
Additional co	ant access to INT testing from my do	ERA representative	es to my prop I also verify the	perty for the sole at I (or a represen	purpose of obtative for me) will	aining wate be availabl





Property Owner(s) Name: Max E, Chito	
Address: 1728 Cottrall Lane	
Address: 1728 Cottrall Lang State: Hotos Zip: \$8240	
How many wells are located on the property?/ How many wells are for domestic use?	
Where is each domestic use well located on the Property? Please describe with as much detail as poss	
Well No. 1: To South of the House	· 
· · · · · · · · · · · · · · · · · · ·	<del></del> .
Well No. 2:	
Well No. 3:	
Well No. 4:	· ·
When was each domestic use well constructed (MM/DD/YY)?	
Well No. 1 4 - 80 Well No. 2Well No. 3	
Well No. 4	
What is each domestic use well approximate total depth and depth to water?	•
Well No. 1 100 ft Well No. 2	
Well No. 3 Well No. 4	
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point faucet, bathroom sink, etc)	kitchen
Well No. 1Well No. 3	
Moli No. 4	

		best for our technic	, ,			
DAY:			······································		······································	••••••
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
			,			
When would		e to call to arrang	e an appointme	ent to test your v	well on the day(s	) and time(s
Person to Ca	all <u>Ma</u>	y Whi	it o			
Telephone D	Daytime: <u>393</u>	-3 5 89 Eve	ning: <u>56, y</u>	n		
Mobile Phon	e:					
	-					
For the prote	ection of our techn	icians, please list a	II animals locate	d onsite or arour	nd the well location	n.
Animals Loc	ated Onsite (lives	tock, dogs, etc):	BigDa	g in Ba	ck Zard	
			;			***************************************
Are any of th	e domestic use w	ells registered with	State of New M	lexico Engineer's	office? Yes or No	?
Additional co	mments or quest	ons regarding this	survey:		We Won	1 Know
			e some s			-
				and declaration of the second		
			,			
samples for		FERA representati omestic supply well ove.				
Name:					•	
Signature:					·	



One Park Square 6501 Americas Parkway NE, Suite 820 Albuquerque, New Mexico 87110

Telephone: 505 246 1600 Fax: 505 246 2600

#### Record of Conversation

Person Called/Calling: Max 6. White	Project #: NMO-WIL
Client Name:	Date: 4/22/03
Telephone #: 1505 393 - 3989	Time: / /20
Re: Access to well on Property	a and Marken and
- Confirmed access to his Pr	operty and we
- Confirmed seces to his for can go at anytime to sa from the tap or well.	suple the grandwate
from the tap or well.	
	· · · · · · · · · · · · · · · · · · ·
3	
Signature:	Prome a Mare

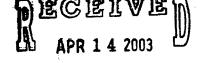




Property Owner(s) Name: Benr Address: 1930 (attre)	ny or Tina De Hobbs	ela Cruz	
State: N. M. Zip:			
How many wells are located on th	e property?	How many wells are for domestic use?	/
		Please describe with as much detail as possi	
Well No. 1: Well located	on S/E corr	ner of garage.	·
Well No. 2:			
Well No. 3:			
; 			
Well No. 4:	ja salah	nai in a saka aya ka a saka a ka	ing up ga
· .			
When was each domestic use we	ll constructed (MM/DD/Y	Y)?	
Well No. 1 Don't Know	Well No. 2	Well No. 3	
Well No. 4			
. 1			
What is each domestic use well a	oproximate total depth ar	nd depth to water?	
Well No. 1 Don't Know	. ·	Well No. 2	
Well No. 3		Well No. 4	
How can the well be accessed? E	xterior access point (law	vn spigot, at well, etc) or interior access point	(kitchen
Wall No 1 E.L - TJ	Well No. 2	Well No. 3	
Well No. 4	and the second s		

DAY: Any	day					
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME: حدا/	anytime.			1		***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
***************************************	***************************************					
When would		e to call to arrang	e an appointme	int to test your v	vell on the day(s)	and time(s)
Person to Ca	all Benny De	La Cruz				
	,	<i>559</i> Eve	nina: 397- 20	7/3		
Mobile Phon	· <b>J</b>	<u> </u>	9 <u></u>	<del>.</del>		
	·			1		
	-				:	
-or the prote	ection of our techn	icians, please list a	II animals locate	d onsite or arour	nd the well location	1.
Animals Loc	ated Onsite (livest	tock, dogs, etc):	None	;		<u> </u>
			·		•	
Are any of th	na domastic usa w	ells registered with	State of New M	evico Engineer's	office? Ves or No	248-4
				exico Eligilieei s	·	,: <b></b>
		ons regarding this	survey.			
				·····		
				,		
samples for t		ΓΕRA representati omestic supply well ove.				
Name: Ben	nu Delacre	· L				
Signature	3 01	ing				
ionature: 🎤	Sonne Sole (	Lun				





Property Ov	vner(s) Name: Chetual WiLKS
	2033 Gary Lane - Hobbs
State:	M zip: 88240
How many v	wells are located on the property? How many wells are for domestic use?
Where is ea	sch domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1:	NE corner of Fence - Front yard Dutside
	Fence (SW 14 NE 14 Sec 30 TIB R38)
Well No. 2:	
14.	
Well No. 3:	
Well No. 4:	
When was e	each domestic use well constructed (MM/DD/YY)?
Well No. 1_	10 94 Well No. 2 Well No. 3
What is each	h domestic use well approximate total depth and depth to water?
Well No. 1 _	Well No. 2
Well No. 3	Well No. 4
	e well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen room sink, etc)
Well No. 1	Lawn Spigot Well No. 2Well No. 3

- riease circle tri	_					
Day(s) and time	e(s) that would	best for our technic	cian to visit and	take water samp	les?	
DAY:			***************************************	·		***************************************
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
any	time					
When would b specified above		e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	and time(s
Person to Call_	Beth	WILK	5	. ,		
Telephone Day	rtime: 397-	3017 Eve	ning: <u>Sa</u> ı	ne_		
Mobile Phone:						•
·				:		
For the protection	on of our techn	icians, please list a	Il animals locate	ed onsite or arour	nd the well location	,
Animais Locate	ea Onsite (lives:	tock, dogs, etc):	<u> </u>	nside fe	ncedin an	ea-
	······				<u> </u>	·
			÷	•	_	
Are any of the o	domestic <sub>.</sub> use w	ells registered with	State of New M	lexico Engineer's	office? (Yes)or No	?
Additional com	ments or quest	ions regarding this	survey:			·
<del> </del>						
		· · · · · · · · · · · · · · · · · · ·	·····	<del> </del>		·
	<del></del>			<del></del>		
<del></del>				·		·
	<del></del>	· .				
•						
				:		•
	ting from my do	TERA representation comestic supply wellove.				
Name: Ch	rerual	1 Dilke				
0: -	Land	Wikks				
Signature!	nunyi	$x \cup U \cup x$	עבי			





Property Own	er(s) Name:_	Eliza	elis	DW	M)	or c	John	Mayou	e Jui
Address:	315	Wist	Ben	der				,	
State: W	juv_	Zip:	8240						
۱ How many we				F	łow man	y wells ar	e for dome:	stic use?	
Where is each	n domestic us	se well located	d on the Prop	perty? Ple	ease des	cribe with	as much d	etail as possil	ble.
Well No. 1:     ∫	Witer	hu	for t	da	e Us	ud		<del></del>	·
 Well No. 2:			:						
							-		
Well No. 3: _									
 . <del>-</del>	********								<u>.</u>
Well No. 4:		<del> </del>				7,1	. 1		il str.
					; ;				
— When was ead	ch domostic	uso wall cons	tructed (MM)	/DD/VV\2	<b>)</b>		<del></del>		-
Well No. 1			-	•		W	ell No. 3		
Well No. 4					;	··	C.1110. U		
	<u> </u>						8 110 J	ret Fu	ller)
What is each o	domestic use	well approxir	nate total de	ptn and d	depth to v	water? _			
Well No. 1					•	-			
Well No. 3					Vell No. 4	1			
	•			•				•	
How can the v		ssed? Exterior	access poir	nt (lawn s	spigot, at	well, etc)	or interior	access point	(kitchen
Well No. 1			_ Well No. 2	2		w	ell No. 3 _		<del></del>
Mall No. 4									

`						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	***************************************	,	***************************************		ຳ	
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pr
When would b	e the best time	e to call to arrange	e an appointn	nent to test you	well on the day(s)	and time(
specified above		- 13 Jan 13 Jan 19	o an appoint		, , , , , , , , , , , , , , , , , , ,	aira airio(
Person to Call_	505	393-98	15			
Telephone Day	rtime: <u>505</u>	- 393 <sub>631</sub> 5	ning: Som	رف		
Mobile Phone:				• 10 • • • • • • • • • • • • • • • • • • •		
For the profesti	on of our tochni	iciane placea list al	II animala laga	tod anaita ar ara	und the well locatior	
•		$\bigcap$	i a⊓imais ioca ∫	ted onsite of aro	und the well location	1.
Animals Locate	ed Onsite (livest	ock,/dogs, etc): _	Lat	<u> </u>		•
			<del> </del>			
			2			
Are any of the o	domestic use w	ells registered with	State of New	Mexico Enginee	's office? Yes or Mo	? /
				Mexico Enginee	's office? Yes or No	?
		ells registered with		Mexico Enginee	's office? Yes or No	?
				Mexico Enginee	's office? Yes or No	?
				Mexico Enginee	's office? Yes or No	?
				Mexico Enginee	's office? Yes or No	?
				Mexico Enginee	's office? Yes or No	?
				Mexico Enginee	's office? Yes or No	?
				Mexico Enginee	's office? Yes or No	?
Additional community of the samples for tes	ments or question	ERA representativ	ves to my pro	operty for the so	ole purpose of obtaentative for me) will	aining wat
Additional community of the samples for tes	access to INT	ERA representativ	ves to my pro	operty for the so	ole purpose of obta	aining water



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON** 

Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

March 26, 2003

JOHN WAYNE IVORY BOX 2291 HOBBS, NM 88241-0000

RE: DOMESTIC WATER WELL SURVEY

Dear JOHN WAYNE IVORY:

The State of New Mexico Oil Conservation Division (NMOCD) is initiating a study of ground water conditions in the vicinity of what has been called the Windmill Oil site. As part of this study, we are conducting a survey of water wells within sections 29 and 30 of Township 18 South Range 38 East, Lea County, New Mexico. Where water wells are identified, the NMOCD is requesting permission to sample water from the wells and submit the samples for a laboratory analysis of the ground water quality. The NMOCD has contracted with INTERA, Inc. to conduct the survey and sample the water wells. All water sampling costs and laboratory sample analyses will be paid for by the NMOCD. A copy of the analyses and an explanation of the water quality in each well will be provided to the well owners.

You have been identified as owning property in this area. We request that you please complete the attached well survey form and return the survey form in either the self-addressed stamped envelope or by fax as indicated on the form. If you have a water well, our contractor, INTERA, Inc., will be contacting you on behalf of the NMOCD to request a convenient time to sample your water well. Your cooperation in this survey is greatly appreciated and will help us better understand the ground water conditions in this area.

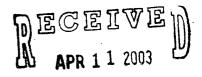
If you have any questions, please don't hesitate to call me at (505) 476-3490 or Bill Olson of my staff at (505) 476-3491. Thank you for your cooperation.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief





Property Owner(s) Name	Jimm	y Mon	te l'	na bet	ra Diar	ie Dix	LON
Address: <u>2029</u>	Lary Lr	<u>)</u> .	Holol	25			
State: New Mexico	1		•	•			
How many wells are loca			Ho	w many wel	ls are for dome	estic use?	
Where is each domestic							
Well No. 1:	tracen	la	ated	· On	acre	+130	
Jan	<u>d</u> (	7					
Well No. 2:		<del></del>					
				1 c			
Well No. 3:							
weil No. 3.				ı		,	
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
Well No. 4:						- 44-	<u></u>
When was each domestic	c use well const	ructed (MM/	DD/YY)?	orining	20 Site	- late	603
Well No. 1 (CPC)	2002	_ Well No. 2	, <u>2</u>	, 9	Well No. 3		
Well No. 4							
÷							
What is each domestic us	se well approxim	nate total der	oth and de	pth to water	?		,
Well No. Ht (ed bed	120,	t	We	ell No. 2			
Well No. 3	, 0		We		<del></del>		
					•	•	•
How can the well be acceptancet, bathroom sink, etc		access poin	nt (lawn sp	igot, at well,	etc) or interior	access point	t (kitchën
Well No. 1 Exterior	* Linterior	_ Well No. 2	2		Well No. 3 _		
Well No. 4		_					

Day(s) and t	ime(s) that would I	est for our techr	nician to visit and	l take water sam	oles?	
DAY:		***************************************	***************************************			
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	***************************************	•				
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
		•	•••••••••••••••••••••••••••••••••••••••			
When would	d be the best time	to call to arran	nge an appointm	ent to test vour	well on the day(s	s) and time(s)
	ove? time	``		,	,,	, (-,
Person to Ca	all Jim	or Delore	<u>.</u>		•	
	0aytime: <u>505-3</u>	_		re as dan		
Mobile Phon		10.11	<u> </u>	C (RS C)	2	
For the prote	ection of our techni	cians please list	all animals locat	ed opsite or arou	nd the well location	nn ·
•				<b>.</b>		<del></del>
Animais Loc	ated Onsite (livest	ock, dogs, etc).	2 Small	linside of	<u> 1005, 100</u>	<u>X · </u>
			<del>- · · · · · · · · · · · · · · · · · · ·</del>			<del></del>
<b>A</b>	,	. N			// N	- 0
	e domestic use we			Viexico Engineer	s office. Year or IN	0?
Additional co	mments or question	ons regarding this	s survey:		<u> </u>	
<u>we</u>	Dould	leke -	to Knu	tode u	is agair	x to
Mapa	Den uii	th the	- findi	ngs. O	<u>loo plea</u>	se See
Atta	ched o	eller.		<u> </u>		
	<del></del>					<u></u>
						<del></del>
samples for t	ant access to INT testing from my do ne(s) indicated abo	mestic supply we				
Name:	ebra D.	DIXON				
Signature:	rebra X	Dija	·		•	

To Whom It May Concern:

I have lived at this location for more than 25 years and know it's history very well. It sits surrounded by oil related elements, to the east less than 120 feet is a pump jack. South, less than a quarter mile, is one of the largest co2 injection plants in the area and has recently added several more within a two mile radius as well as a major pipe line. But the most disconcerting aspect of all of this sits west, less than 170 feet from our domestic water well.

What use to be called a tank battery in the early seventies leaked oil onto the ground in large quantities. Over the course of years my parents & others in the neighborhood filed many complaints that went unanswered. In the spring of 77 the battery erupted spraying oil high into the air. The spew landed on our land as well as the neighbor next to us. After this disaster, finally something was done, the site was closed. The people who lived south of us settled out of court, and due to the contamination of the water, were forced to move. The house, to this day, still is empty. This house is less than 300 yards away. The others in the neighborhood also settled out of court but my family chose not to pursue any compensation being assured by the county and others that our water was safe to drink. Last year, earth moving equipment was brought in to this location and a massive hole was dug 60 feet deep. When we enquired about the digging of the hole, construction works told us it was cleaning up an oil spill.

During this time period our domestic water well produced very little volume, also droplets of oil and a thin film could be seen on the surface of standing water produced by our domestic well.

We contacted the NMODC in Santa Fe, Roswell and Hobbs but as of yet they have not returned our calls other than to say they would look into it. That was last year. We have since put in a new domestic water well and have requested that the old domestic water well not be covered until this matter is resolved also I know that at least three others in this neighborhood have put in new domestic water wells, drilling much deeper due to the falling water table.

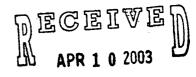
2020 Gory Lana

If there is any way I can be of assistance, please contact me:

2029 Gary Lane Hobbs, NM 88240 (505) 393-1279 Email jddixon@leaco.net

Sincerely Jim Dixon

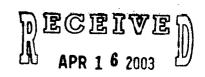




Property Owner(s) Name: (41 + hia C Selman
Address: 4031 W Bender
State: NM zip: 88240
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: back of lot in blue well
house
Well No. 2:
Well No. 3:
Well No. 4:
VVGII I VO. 4.
<del></del>
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1         Un Enden         Well No. 2
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 Un RACOW Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen
Well No. 1   awn Spigot Well No. 2 Well No. 3
Well No. 1   Q W \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Well No. 4

DAY:		4	•			
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
ГІМЕ:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would	be the best time	e to call to arrange	e an appointme	nt to test vour v	vell on the day(s)	) and time(s)
specified abo		- 12 24 16 4 16 19 19 19 19 19 19 19 19 19 19 19 19 19	o air appointing		von on allo day(o)	,
2	" · ' \ \	$\leq$	1000 n	)		
Person to Ca	- 4		77 100	~		
Telephone D	aytime: <u>343</u>	<u>-515</u> Ever	ning: 37	3.5115		
	,					
Mobile Phone	e:	,				
Mobile Phone	e:	, 	,			
Mobile Phone		icians, please list a	Il animals locate	d onsite or arour	nd the well location	n
For the protec	ction of our techn	icians, please list a	Il animals locate	d onsite or arour	nd the well location	n.
For the protec			Il animals locate	d onsite or arour	nd the well location	n.
For the protec	ction of our techn		Il animals locate	d onsite or arour	nd the well location	n.
For the protec	ction of our techn		Il animals locate	d onsite or arour	nd the well location	n.
For the protect	ction of our techni ted Onsite (livest		÷			
For the protect Animals Locate Animals Locate Are any of the	ction of our techni ated Onsite (livest	ock, dogs, etc): _	State of New M			
For the protect Animals Loca	ction of our techni ated Onsite (livest	ock, dogs, etc): _ ells registered with	State of New M			
For the protect Animals Loca	ction of our techni ated Onsite (livest	ock, dogs, etc): _ ells registered with	State of New M			
For the protect Animals Loca	ction of our techni ated Onsite (livest	ock, dogs, etc): _ ells registered with	State of New M			
For the protect Animals Loca	ction of our techni ated Onsite (livest	ock, dogs, etc): _ ells registered with	State of New M			
For the protect Animals Locate Animals Locate Are any of the	ction of our techni ated Onsite (livest	ock, dogs, etc): _ ells registered with	State of New M			
For the protect Animals Loca	ction of our techni ated Onsite (livest	ock, dogs, etc): _ ells registered with	State of New M			

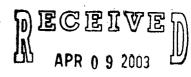




Property Owner(s) Name: Joyf Debbs
Address: 1543 SAN MATEO
State: 4066.5 Zip: 88240
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: N. W. CORNER OF PROPERTY
Well No. 2:
- (all Htter
Well No. 3:  Well No. 4:  Well No. 4:  When was each i
γ <sub>1</sub> η (ω)
Well No. 4: No Risular
- 'WOJ W "
When was each
Well No. 1 2007. 1978 Well No. 2Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 100 - 35 To WATER Well No. 2
Well No. 3 Well No. 4
en de la companya de La companya de la co
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 LAWN SpigoT Well No. 2Well No. 3
Well No. 4

DAY:	time(s) that would b		Jan to visit and			***************************************
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
				.'		
When woul	d be the best time bove?	to call to arrang	e an appointme	ent to test your w	ell on the day(s)	and time(s
Person to C	Call JoyE	Dobbs				
Telephone	Daytime: <u>397-</u>	- <i>/968</i> Eve	ning: SA)	y E		
Mobile Pho	ne: <u>631-</u> 2	472		1 2		
		•				
For the prot	tection of our techni	cians, please list a	all animals locate	ed onsite or around	d the well location	٦.
Animals Lo	cated Onsite (livesto	ock, dogs, etc):	NO AN	IMALS		
		<u>-</u>				
			£			
Are any of t	he domestic use we	ells registered with	State of New M	lexico Engineer's	office? Yes or No	)?
_	comments or questic	,				
- TT	· · · · · · · · · · · · · · · · · · ·		<u> </u>	hould be	Registere	1 WIR
State	by Water		relling Co	s. When	oblaining	<u>,                                      </u>
formit	to dul	l Well.	<i>U</i>		- ".	
						· · · · · · · · · · · · · · · · · · ·
						w <u>u</u>
samples for	rant access to INT r testing from my do ime(s) indicated abo	mestic supply wel				
Name:	JOYE	Dobbs				
Signature:	JOYE Court	Onless				





Property Own	ner(s) Name:	Raymo	nd	F	5/01	v e			
Address:	ner(s) Name:_	yeso	H	10665			<del></del> .		
	<b>1</b> 1								
How many we	ells are located	on the prope	rty?	L Ho	w many v	wells are	for domestic	use? _	
Where is eac	h domestic use	e well located	on the Prop	perty? Plea	: .se descr	ibe with	as much deta	ail as pos	sible.
Well No. 1: _	500-16	side	OF	RAAA	1	บ	pom p	Hos.	<u>(C</u>
_									<del></del>
Well No. 2:	m. 1/c	OF F	and	ine	<del> </del>				
-						<del></del>			
Well No. 3: _		<u></u>		·	<u></u>				· ·
	· · · · · · · · · · · · · · · · · · ·			:	:				<del></del>
					:			• •	
_									
When was ea	ach domestic u	se well constri	ucted (MM	/DD/YY)?					
	605		·	•	01	W	ell No. 3		
What is each	domestic use	well approxima	ate total de	epth and de					
Well No. 1	120'			We	ell No. 2		182'		
Well No. 3 _				We	ell No. 4		<u> </u>		
							-	٠	
How can the faucet, bathro	well be access oom sink, etc)	sed? Exterior a	access poi	nt (lawn spi	igot, at w	ell, etc)	or interior ac	cess poir	nt (kitchen
Well No. 1	RCSS 7	and -	Well No.	2 <u>CAS</u> ;	14. a	We	ell No. 3		
Well No. 4									

						•••••••••••••••••••••••••••••••••••••••
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:			•••••••••••••••••••••••••••••••••••••••			
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
						•
When wor	uld be the best time above?	e to call to arrang	e an appointme	ent to test your w	ell on the day(s)	and time(s)
Person to	Call Ray mon	1 stone	<b>S</b>	F		
Telephone	- <u>3 و 3 -</u>	06 90 Eve	ning: <u>353</u> -	0850		ŕ
	one: <u>505 390</u>					
						•
For the pro	otection of our techni	cians, please list a	II animals locate	ed onsite or aroun	d the well location.	
Animals L	ocated Onsite (livest	ock, dogs, etc):	900 +5			
		_				
	· · · · · · · · · · · · · · · · · · ·			•		
Are any of	the domestic use we	ells registered with		lexico Engineer's	office? Yes or No?	·
•	the domestic use we	-	State of New M	lexico Engineer's	office? Yes or No?	
•		-	State of New M	lexico Engineer's	office? Yes or No?	
•		-	State of New M	lexico Engineer's	office? Yes or No?	
•		-	State of New M		office? Yes or No?	
•		-	State of New M	lexico Engineer's	office? Yes or No?	
•		-	State of New M		office? Yes or No?	
•		-	State of New M		office? Yes or No?	

Signature: RF Stome





Property Own	er(s) Na	ame:	Cliff	+ 6	3eth	To	indoc			
Address: 2	330	24	J. L	anel	art	-	<u> </u>	Hobbas		
State:	DM	L	Zip: <u> </u>	240					٠	
How many we	ells are l	located	on the pro	perty?	<u> </u>	_ How ma	ny wells are	for domestic (	use?\	
Where is eacl	h dome:	stic use	well locate	ed on the P	roperty?	Please de	scribe with	as much detail	as possibl	e.
Well No. 1: _	in	50	ont	0.5	+	<u>rail</u>	es	se_	000	\_C(
· -	*									
Well No. 2:		•		- · · · · · · · · · · · · · · · · · · ·		· · · · · ·				
, -						· •				
Well No. 3:						<u>.</u>		<u> </u>	<del> </del>	
				٠.	<i>: '</i>	<del></del>			·	••
-										
Well No. 4: _					•				·	<del>```</del>
-										
When was ea				•		•				
Well No. 1	de	ron	Knoch	Vell N	o. 2		We	ell No. 3	***	
Well No. 4				_						
		4								
What is each	domest	ic use w	ell approx	imate total	depth an	d depth to	water?	. •		
Well No. 1	20	to	140	7+		Well No.	2			
Well No. 3						Well No.	4			
·										
faucet, bathro	om sink	c. etc)						or interior acce		
Well No. 1	$\mathcal{E}_{X}$	teri	<u> </u>	Well No	0. 2		We	ell No. 3	· · · · · · ·	
Well No. 4							,	-		

DAY:		ar	\\(\big(\)	,		
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:					***************************************	***************************************
7:00 am	9:00 am	11:00 am -	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would	d be the best tim	ne to call to arrange	e an appointme	ent to test your v	vell on the day(s)	and time(s)
specified abo	ove?					
Person to Ca	all Beth	Taylor				
		- <u>3048</u> Eve	ning: <u>397</u>	-2048		
Mobile Phon	e: 3 [03]	<u>553</u> 8		i n		
For the prote	ection of our techr	nicians, please list a	III animals locate	ed onsite or arour	nd the well location	٦.
Animals Loc	ated Onsite (lives	stock, dogs, etc):	horses	5 - 401	0.00	act t
the	well	withou	ot goi		Pens.	<del>U</del>
Ano only of th		alla ragiotarad i idh	Ctate of Nov. N	laviaa Enginaaria	office? Veg or No	ج ،
-		vells registered with		iexico Engineei s	Office? Tes of INC	) f
Additional Co	omments or quest	tions regarding this	survey.			·
	· · · ·					
		•		<u> </u>		<del> </del>
				44.4		
		TERA representati				
	ne(s) indicated at		i. raioo vorny un	at i (oi a ropiocoi	nanvo ioi iiioj iiii	
,	, , , , , , , , , , , , , , , , , , , ,					
Name:	15041 1	ayor,	····			





Property Owner(s) Name: Jau Co	1/1,25	
Address: 3402 W. Border		
State:	fo	
How many wells are located on the prope	rty? How many wells	s are for domestic use?
Where is each domestic use well located	on the Property? Please describe v	vith as much detail as possible.
Well No. 1: ON East side.		
·		
Well No. 2:		
·		
Well No. 3:	11 Next week	
	· · · · · · · · · · · · · · · · · · ·	
	When Jim	
Well No. 4:	Available	
When was each domestic		
Well No. 1 /9.50/s 5		Well No. 3
Well No. 4		Weil No. 0
;	·	•
What is each domestic use well approxim	ate total depth and depth to water?	
Well No. 1 <u>/20 f</u>	Well No. 2	
Well No. 3	Well No. 4	
How can the well be accessed? Exterior faucet, bathroom sink, etc)	access point (lawn spigot, at well, e	etc) or interior access point (kitchen
. 1		_Well No. 3
Well No. 4		

	the following:	•		•	1	
Day(s) and t	ime(s) that would	best for our technic	cian to visit and t	ake water samp	les? None	-
DAY:						***************************************
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	***************************************					••••••••••••
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
specified abo	ove?	e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	and time(s)
Person to Ca	all <u>Lin Col</u>	ک کردا	··	·		
Telephone D	)aytime: <u>505 <b>- 3</b>9</u>	7-/003 Eve	ning: <u>585-797</u>	2/003		ε,
Mobile Phon	e:					
For the prote	ection of our techn	icians, please list a	all animals locate	ed onsite or arour	nd the well location	ı.
Animals Loc	ated Onsite (lives	ock, dogs, etc):	Nove.			
			÷			
Are any of th	e domestic use w	ells registered with	i State of New M	lexico Engineer's	office? Yes or No	3
		ons regarding this				
(0-11)	+ '+ '	se at this	——————————————————————————————————————			
_LL/ex  is	S NOL IN LA	se on ins	IMP			
					<u>.                                    </u>	
			<del> </del>	· · · · · · · · · · · · · · · · · · ·		
	,					
samples for	ant access to IN <sup>*</sup> testing from my do ne(s) indicated ab	ΓERA representati omestic supply wel ove.	ives to my prop II. I also verify tha	perty for the soi at I (or a represe	e purpose of obt ntative for me) will	aining water be available
Name:	in Collins	by Jay Col	lins_			
Signature:	Jay Colle	,		:		

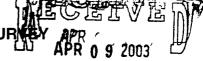




Property Owner(s) Name:
Address:
State: // Zip: 582-60
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: John Source - back your
Well No. 2: Frant D House - Speside.
Mall No. 2:
Well No. 3:
Well No. 4:
vveii 140. 4.
·
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 35 Well No. 2 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 Well No. 2 (40 27 51) - Well No. 3
Well No. 4

DAY:		ande				
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	***************************************	as	<i>u</i>		***************************************	***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
			•	***************************************	***************************************	***************************************
		e to call to arrange	e an appointme	ent to test your v	vell on the day(s)	and time(s)
specified ab	ove?					
Person to Ca	all	(O) 1 <i>m</i> 2				
Telephone D	Daytime: 397	-/100 % Eve	nina:			
		2 5	· · · · · · · · · · · · · · · · · · ·	:		
Mobile Phon	ie: <u>567-7</u>	$\omega \geq 0$		1		
	-		4	; ;		
For the prote	ection of our techni	icians, please list a	II animals locate	ed onsite or arour	nd the well location	٦.
Animals Loc	ated Onsite (livest	ock. doas. etc):	1.0	not	>2	
(	Bo 20		his Sol	and a		
	10000		11/3 060			
			2			
Are any of th	ne domestic use w	ells registered with	State of New M	lexico Engineer's	office? Yes or No	?
Additional co	omments or questi	ons regarding this	survey:		٠	
	- 11 ( )	// >		<i>G</i> ()		
1/10	el TAD	1, 200	1 Drieg	V docc	971 b	Car
OF (	ail m	a X 321	ク・			•
	- G					
·	<u></u> -					
		<u>.</u>			-	
I hereby gra	ant access to IN7 testing from my do	FERA representati prestic supply wel	ves to my prop	perty for the sole at Lor a represe	e purpose of obt	aining water be available
during the tir	ne(s) indicated ab	oyê.	i. raioo voriiy ii i	u., (o. u., op, ooo.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
· '		// ~ .				
1,	The 1 &	one Enil	) ·			
Name: Signature:	The C	Cofn's	2*			

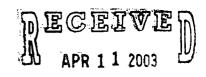




Property Owner(s) Name	- PACKEY	SALES	ER.	WTA,	INC.
Address: 2//	7 Frens	ch Di	/Je	Hob	15
State: NM			,	/	
How many wells are loca	ted on the property?	Ho	w many wel	ls are for domes	tic use?
Where is each domestic		,			
Well No. 1:	OD BIN	Wines	5/	te	
			:		
<u> </u>					
Well No. 2:		1			
					•
Well No. 3:					
				······································	<u>and the second of the second </u>
Well No. 4:					·
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		(MM/DDAAA)			
When was each domestic	_				
Well No. 1 /2-		l No. 2		Well No. 3	
Well No. 4			1		
;					
What is each domestic us			pth to water	?	
Well No. 1 <u>(A)(A)</u>	DUN	` We	ell No. 2		<del></del>
Well No. 3					<del></del>
A State of the				- ۱۰ مستد د میدید	
How can the well be accordancet, bathroom sink, etc.	-	s point (lawn sp	igot, at well,	etc) or interior a	access point (kitchen
Well No. 104/516	2 5. <i>p./6.p.</i> /Wel	l No. 2		Well No. 3	
Well No. 4	•				

Please ci	rcle the following:					•
Day(s) ar	nd time(s) that would be	est for our technic	cian to visit and t	ake water sampl	es?	
DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
\A/In are some						and time (a)
specified	ould be the best time above?	to call to arrange	e an appointme	ent to test your v	veli on the day(s)	and lime(s)
•	_	10				
	Call Ed E			<u> </u>		
Telephon	e Daytime: <u>395-</u>	<i>8495</i> _ Eve	ning:			
Mobile Pl	none:					
			r			
For the p	rotection of our technici	ans, please list a	II animals locate	ed onsite or arour	nd the well location	١.
Animals I	_ocated Onsite (livesto	ck, doas, etc):	1 V 1	sle		
	`					<del></del> ,
		la de la Calaba de la Calaba		: 	-#0.\/ N/-	0
	of the domestic use wel			exico Engineers	oπice? Yes or inc	) <b>?</b>
Additiona	l comments or question	ns regarding this	survey:	1/ NOT	Used	FOV
Non	MESTIC U.	50-		ŀ		
<del></del>		,				
	:	· · · · · · · · · · · · · · · · · · ·	<del> </del>			
<del></del>			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
samples to	grant access to INTE for testing from my don e time(s) indicated above	nestic supply well	I. I also verify tha			
O:	#1/	111000	•	•		





Property Owner(s) Name: EMMA FAX OWINGS
Address: 3515 West Bender
State: Hobb SINM Zip: 88 240
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: plugged 1 SCALEd
Well No. 2: PLUG ed + SPALEd
Well No. 3: SEA LCd
vveii No. 3.
Well No. 4: #C/1/
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1/954 Went dx Well No. 2 Well No. 3 /96/
Well No. 4 2006
Eardil
What is each domestic use well approximate total depth and depth to water? EXPLURATION WELL FOR OIL
Well No. 1 SCALCL 4). Courrete 85' Well No. 2 SPA Led 105 CASING COLLAPS
Well No. 1 SCALCO W. Cowcrete 85' Well No. 2 SCA Led 105 CASING COLLAPS Well No. 3 150' CASING COLAPSE Well No. 4 ACTIV 150 FILEPARED
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 No. 2 No. 3 N
Wall No 4 Test TAID BEFORE TAIL

Day(s) and t	ime(s) that would t	est for our technic	cian to visit and	take water sampl	les?	
DAY:			·			
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:			***************************************			
7:00 am	9:00 am	(11:00 am)	1:00 pm	-	5:00 pm	7:00 pm
***************************************	(Come to	at grear	r brailer	)		
When would	be the best time	to call to arrange	e an appointme	ent to test your v	vell on the day(s)	and time(s
specified abo	ove?					
Person to Ca	all <u>Emma</u>	DWING	g S		1	
Telephone D	all <u>EMMA</u> Daytime3 <u>93-20</u>	95 Eve	0 ning: 3 <i>9</i>	3-209	5'~	
Mobile Phon		• • • • • • • • • • • • • • • • • • •				
	ection of our technicated Onsite (livesto		MON C	onsite or arour	nd the well location	n. 
			<del></del>			·····
A no amu of th		. 11	Chata of Nam N	i	a#iaa2(Vaa ar Nie	so ·
	e domestic use we			exico Engineers	office? Yes or INC	
Additional co	mments or question	ons regarding this	survey:	·		
has	u ual	es Raso	plo fra	n weed	no	3
		, ,	/			
has	e uater					-
samples for t	ant access to INT testing from my do ne(s) indicated abo	mestic supply wel	ves to my prop I. I also verify the	perty for the sole at I (or a represe	e purpose of obt ntative for me) will	aining wate be available
Name:	MMZ DI	WINGS	<del>}</del>	. * * .		
Signature:	MMA DI Emmin	Fay Due	ngs			





Property Ow	ner(s) Name:	elly 1	WILLIA	ms	
Address:	2200	Bensins	· · · · · · · · · · · · · · · · · · ·	Hobbs	<u> </u>
State: V	<u>Μ</u> . Zip:	88240	)		
How many w	vells are located on the	property?	How many we	ells are for domes	tic use?
Where is eac	ch domestic use well lo	cated on the Proper	ty? Please describ	e with as much de	etail as possible.
Well No. 1:	South	<u>, we</u>	st co	7977	
Well No. 2:					
Well No. 3:					
profession of the					The second se
Well No. 4:			n sangera. E	e action, action	and here year
	ach domestic use well o	•	·	Well No. 3	
	<i>l</i>		:		•
What is each	domestic use well app	roximate total depth J	and depth to wate		
Well No. 3 _			Well No. 4		, .
			Won No. 4		
How can the faucet, bathrowki No. 1_	well be accessed? Export sink, etc)	terior access point (  S+Ov O  Well No. 2	lawn spigot, at we	II, etc) or interior a  O / O S  Well No. 3	access point (kitchen
Woll No. 4					

DAY: Y	Any Da	y afte	r 7pm	06	weeden	dg any
Monday	Tuesday	Wednesday	Thursday		Saturday	Sunday
ТІМЕ:	***************************************			† - ·		
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
Mhen would	he the best time	to call to arrang	ie an annointm	ant to tost your	well on the day(s	) and time(s)
specified abo	$\sim$	- i		ent to test your	well of the day(s	) and time(s)
•	)		•	_		1
Person to Ca	<del></del>		MIAMS		Cell	Phone
	· •	Eve	ening: <u>397</u>	-0144		
Mobile Phon	e: <u>369-</u>	5962		•		•
Animals Loca	ated Onsite (livest	ock, dogs, etc):	3	Dogs		
Are any of th	e domestic use w	ells registered with		Dogs	r's office? Yes or No	o?
Are any of th	e domestic use w			Deceleration Engineer	r's office? Yes or No	o?
Are any of th	e domestic use w	ells registered with		Deceleration Engineer	r's office? Yes or No	o?
Are any of th	e domestic use w	ells registered with		Dec S	r's office? Yes or No	o?
Are any of th	e domestic use w	ells registered with		Decy S	r's office? Yes or No	o?
Are any of th	e domestic use w	ells registered with		DogS	r's office? Yes or No	o?
Are any of th	e domestic use w	ells registered with		Dog S	r's office? Yes or No	o?
Are any of th	e domestic use w	ells registered with		Dog S	r's office? Yes or No	o?
Are any of th Additional co	e domestic use wo	ells registered withons regarding this	survey:	perty for the s	ole purpose of ob	taining water
Are any of th Additional co	e domestic use wo	ells registered withous regarding this	survey:	perty for the s		taining water
Are any of th Additional co	e domestic use we mments or question access to INT esting from my do	ells registered withous regarding this	survey:	perty for the s	ole purpose of ob	taining water





Tetalin daling the enclosed sell addressed stamped crivelope of lax to (505) 245 2000 7 km. 5010 me 71. Maroz.
Property Owner(s) Name: Doe Chulland or Jayle Cleveland
Address: 1922 north Bares Love
State: new mexico zip: 88240
How many wells are located on the property? (one) How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: aprenates in Center of tract of land
Well No. 1: aproximates in center of tract of land aprox 60 feet south of north Property In
Well No. 2:
Well No. 3:
Well No. 4:
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 70 feet deep 30 1 to water Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)  Look Par Port - aprox. 1811 above surface.
faucet, bathroom sink, etc) Well No. 2 Well No. 3
Well No. 4

Day(s) and tim	ne(s) that would b	est for our technic	cian to visit and	ake water samp	les?	
DAY:					9,0:71	······································
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	or		-	t .		
(7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
			^			
When would b	oe the best time	to call to arrange	e an appointme	ent to test your	well on the day(s)	and time(s)
specified abov	e?	_				
Person to Call	gae Ct	euland				
Telephone Da	ytime: <u>505</u> -3	43-6065 Eve	ning: often	4. P.M		
Mobile Phone:		<del></del>	,			
				;		
For the protect	tion of our technic	cians, please list a	II animals locate	ed onsite or arou	nd the well locatior	۱.
Animals Locate	ed Onsite (livesto	ock, dogs, etc):	Goals	- د		
Are any of the	domestic use we	ells registered with	State of New M	lexico Engineer's	s office? Yes or No	3
Additional com	nments or questic	ons regarding this	survey:		V	
<del></del>		•				<del></del> .
·						<u></u>
		<u> </u>		1		
,	, <del>.</del>				<del>,</del>	
<u> </u>						
samples for te	sting from my do	mestic supply wel	I. I also verify the		le purpose of obtentative for me) will	
Name:	The Chro	eland	2		•	
Signature:	The Cle	eland-			•	
	74		<del></del>			



MAY 0 1 2003

Property Owner(s) Name: DANN9 & CYNTHIA POBBS
Address: 2033 CARR LANE
State: HOBBS, NM Zip: 88240
How many wells are located on the property? 2 How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: PROM NORTHEAST CORNER OF OUR HOSE.
Well No. 2: NOO' - FROM NORTHWEST CORNER OF OUR HOUSE  (insing Well House)
(insing Well House)
Well No. 3: MA
Well No. 4:
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 10/02/02 Well No. 2 Well Here when well No. 3 Mr.  Well No. 4 N/A Respectly Purchases
Well No. 4
What is each domestic use well approximate total depth and depth to water?
What is each domestic use well approximate total depth and depth to water?  Well No. 1 200 FT total - R/00 'to Water Well No. 2 60 F+ total Abandones Due to
Well No. 3 Well No. 4
Well NO. 3
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 in sie Well House Well No. 2 Abandoneo Well No. 3 N/A
Well No. 4

Day(s) and time(s) that would best for our technician to visit and take water samples? DAY: Sunday Monday Tuesday Wednesday Thursday Friday Saturday TIME: 11:00 am 1:00 pm 5:00 pm 7:00 pm 7:00 am 3:00 pm 9:00 am When would be the best time to call to arrange an appointment to test your well on the day(s) and time(s) specified above? Person to Call Telephone Daytime: Evening Mobile Phone: For the protection of our technicians, please list all animals located onsite or around the well location. Animals Located Onsite (livestock, dogs, etc): Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes, or No? Additional comments or questions regarding this survey: WATER APPEARS OF ACCEPTABLE QUAL I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining water samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.

Signature:\_





Property Owner(s) N	ame: Pearson	011	CO. TNO.		
Address: 717	W. Sanger	Hob	)S		
	, Zip: <u> </u>		·		
How many wells are	located on the property	?	_ How many well	s are for domesti	c use?
	stic use well located on				
Well No. 1:					
	•				
<del></del>			<del></del>	· · · · · · · · · · · · · · · · · · ·	
Well No. 2:			<del>'</del> ;	· · · · · · · · · · · · · · · · · · ·	
Well No. 3:			:		
•					
Well No. 4:		<del> </del>		÷.,	
			:		
<u></u>	· v	1	•		
	nestic use well construc			•	
Well No. 1	<b>V</b>	Vell No. 2		_Well No. 3	
Well No. 4	·		·		-
		•			
What is each domes	tic use well approximate	e total depth ar	nd depth to water	?	
Well No. 1			Well No. 2		
Well No. 3			Well No. 4	·	
How can the well be	accessed? Exterior ack, etc)	cess point (lav	n spigot, at well,	etc) or interior ac	cess point (kitchen
Well No. 1	V	Vell No. 2			
Well No. 4	record and the second				

Please circle	the following:					
Day(s) and ti	ime(s) that would	best for our technic	cian to visit and t	ake water sampl	es?	
DAY:		`				ي
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
				•••••		
When would	I be the best time	e to call to arrang	e an appointme	nt to test your v	vell on the day(s)	and time(s
specified abo		· ·				
Person to Ca	all Mike	Pearson		\$ 	1	
		393-5135 Eve	ning: 505 ~35	3.5135		
				<u> </u>		
MODILE PROFI	e: <u>[/3]-2244</u>	····				
		•		1		
For the prote	ection of our techn	icians, please list a	III animals locate	d onsite or arour	id the well location	٦.
Animals Loca	ated Onsite (lives	tock, dogs, etc):			<del> </del>	
	,					
Are any of th	e domestic use w	ells registered with	State of New M	lexico Engineer's	office? Yes or No	?
Additional co	mments or quest	ions regarding this	survey:			
			· · · · · ·			
			·	77172		
<u></u>				, <del></del> -		
				· · · · · · · · · · · · · · · · · · ·		
<del></del> ,			·		•	
samples for t	ant access to IN testing from my d ne(s) indicated ab	TERA representati omestic supply wel oove.	ves to my prop I. I also verify the	perty for the solution at I (or a represent	e purpose of obt ntative for me) will	aining wate be available
Name:						
	m ai	<del>)</del>				



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

March 26, 2003

PEARSON OIL CO 717 W SANGER HOBBS, NM 88240-0000

RE: DOMESTIC WATER WELL SURVEY

Gentlemen:

The State of New Mexico Oil Conservation Division (NMOCD) is initiating a study of ground water conditions in the vicinity of what has been called the Windmill Oil site. As part of this study, we are conducting a survey of water wells within sections 29 and 30 of Township 18 South Range 38 East, Lea County, New Mexico. Where water wells are identified, the NMOCD is requesting permission to sample water from the wells and submit the samples for a laboratory analysis of the ground water quality. The NMOCD has contracted with INTERA, Inc. to conduct the survey and sample the water wells. All water sampling costs and laboratory sample analyses will be paid for by the NMOCD. A copy of the analyses and an explanation of the water quality in each well will be provided to the well owners.

You have been identified as owning property in this area. We request that you please complete the attached well survey form and return the survey form in either the self-addressed stamped envelope or by fax as indicated on the form. If you have a water well, our contractor, INTERA, Inc., will be contacting you on behalf of the NMOCD to request a convenient time to sample your water well. Your cooperation in this survey is greatly appreciated and will help us better understand the ground water conditions in this area.

If you have any questions, please don't hesitate to call me at (505) 476-3490 or Bill Olson of my staff at (505) 476-3491. Thank you for your cooperation.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief

or the confidence and street force in a confidence of the street of the street will be broadled as the street of t



Property Owner(s) Name	: Nearburg Frad Company
Address: 3500	NA St. Bldg 2, Suite 120 Midler
State: TX	zip: ] 9705
How many wells are loca	tted on the property? How many wells are for domestic use?
Where is each domestic	use well located on the Property? Please describe with as much detail as possible.
Well No. 1:	
Well No. 2:	
. ' ————————————————————————————————————	
Well No. 3:	
Well No. 4:	
When was each domesti	c use well constructed (MM/DD/YY)?
	Well No. 2Well No. 3
Well No. 4	
Well No. 4	
	se well approximate total depth and depth to water?
What is each domestic us	se well approximate total depth and depth to water?  Well No. 2
What is each domestic us	se well approximate total depth and depth to water?  Well No. 2
What is each domestic us  Well No. 1  Well No. 3  How can the well be accompany.	well approximate total depth and depth to water?  Well No. 2  Well No. 4  Sessed? Exterior access point (lawn spigot, at well, etc.) or interior access point (kitchen
What is each domestic us  Well No. 1  Well No. 3  How can the well be acceptance, bathroom sink, etc.	se well approximate total depth and depth to water?  Well No. 2  Well No. 4  Sessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen c)
What is each domestic us  Well No. 1  Well No. 3  How can the well be acceptance, bathroom sink, etc.	well approximate total depth and depth to water?  Well No. 2  Well No. 4  Sessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen well).  Well No. 2  Well No. 3

DAY:		<u> </u>				
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunda
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pi
When would specified abo	\	e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	and time(
Person to Ca	all			·		
Telephone D	aytime:	Eve	ning:			
Mobile Phon	e:					
		•				
For the prote	etion of our techn	nicians, please list a	Il animals locate	ad oneite or arour	nd the well location	n
roi trie prote	cuon or our techn	ilcialis, piease iist a	iii ai iii iiais iocaie	d onsite of arour	id the Well location	1.
Amimonla I an	atad Onaita /livaa	taal: dama ata		•		
Animals Loc	ated Onsite (lives	tock, dogs, etc):	<del></del>			
Animals Loc	ated Onsite (lives	tock, dogs, etc):	:			
Are any of th	e domestic use w	vells registered with		lexico Engineer's	office? Yes or No	o?
Are any of th	e domestic use w			lexico Engineer's	office? Yes or No	o?
Are any of th	e domestic use w	vells registered with		lexico Engineer's	office? Yes or No	o?
Are any of th	e domestic use w	vells registered with		lexico Engineer's	office? Yes or No	)?
Are any of th	e domestic use w	vells registered with		lexico Engineer's	office? Yes or No	0?
Are any of th	e domestic use w	vells registered with		lexico Engineer's	office? Yes or No	)?
Are any of th	e domestic use w	vells registered with		lexico Engineer's	office? Yes or No	)?
Are any of th	e domestic use w	vells registered with		lexico Engineer's	office? Yes or No	)?
Are any of th	e domestic use womments or quest	vells registered with	survey:			
Are any of the Additional co	e domestic use womments or quest	vells registered with ions regarding this  TERA representationestic supply well	survey:	perty for the sole	e purpose of obt	taining wat
Are any of the Additional co	e domestic use womments or quest	vells registered with ions regarding this  TERA representationestic supply well	survey:	perty for the sole	e purpose of obt	taining wa



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON** 

Governor .

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

March 26, 2003

SAGA PETROLEUM LLC 415 WALL SUITE 1900 MIDLAND, TX 79701-0000

RE: DOMESTIC WATER WELL SURVEY

Saga has no water wells in the are mentioned below.

#### Gentlemen:

The State of New Mexico Oil Conservation Division (NMOCD) is initiating a study of ground water conditions in the vicinity of what has been called the Windmill Oil site. As part of this study, we are conducting a survey of water wells within sections 29 and 30 of Township 18 South Range 38 East, Lea County, New Mexico. Where water wells are identified, the NMOCD is requesting permission to sample water from the wells and submit the samples for a laboratory analysis of the ground water quality. The NMOCD has contracted with INTERA, Inc. to conduct the survey and sample the water wells. All water sampling costs and laboratory sample analyses will be paid for by the NMOCD. A copy of the analyses and an explanation of the water quality in each well will be provided to the well owners.

You have been identified as owning property in this area. We request that you please complete the attached well survey form and return the survey form in either the self-addressed stamped envelope or by fax as indicated on the form. If you have a water well, our contractor, INTERA, Inc., will be contacting you on behalf of the NMOCD to request a convenient time to sample your water well. Your cooperation in this survey is greatly appreciated and will help us better understand the ground water conditions in this area.

If you have any questions, please don't hesitate to call me at (505) 476-3490 or Bill Olson of my staff at (505) 476-3491. Thank you for your cooperation.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief

#### WINDWILL OIL SHE

HANGT T FOOL



	mer(s) Name: HORIZON PARTNERS
Address:	Box 2550 Hobbs
State:	11/1 Zip: 88241
How many v	vells are located on the property? NoNE How many wells are for domestic use?
Where is ea	ch domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1:	
	·
Well No. 2:	
Well No. 3:	<u> </u>
	us magnament. Die klassische Die State State State State der der der der der der der der der de
Well No. 4:	· · · · · · · · · · · · · · · · · · ·
When was e	each domestic use well constructed (MM/DD/YY)?
Well No. 1	Well No. 2 Well No. 3
Well No. 4 _	
What is each	n domestic use well approximate total depth and depth to water?
	Well No. 2
	Well No. 4
How can the faucet, bathr	well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen oom sink, etc)
Well No. 1	Well No. 2Well No. 3
Well No. 4	

Please circle	the following:					
Day(s) and t	ime(s) that would	best for our technic				
DAY:					······································	······
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:			***************************************			***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
•						
When would	t be the best tim	e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	and time(s)
specified abo	ove?					
Person to Ca	all				1	
Telephone D	Daytime:	Eve	ning:			
Mobile Phon	e:				`	
For the prote	ection of our techn	iicians, please list a	II animals locate	ed onsite or arour	nd the well location	٦.
Animals Loc	ated Onsite (lives	tock, dogs, etc):				
		······································				
			Ŧ			
Are any of th	ne domestic use w	ells registered with	State of New M	lexico Engineer's	office? Yes or No	?
		ions regarding this		,		
			<u> </u>			· · · · · · · · · · · · · · · · · · ·
<del></del>		·	, 		· · · · · · · · · · · · · · · · · · ·	<del></del>
					<u>,</u>	
	<del></del>			· · · · · · · · · · · · · · · · · · ·	· <u></u> -	
					· · · · · · · · · · · · · · · · · · ·	
			<del></del>			
samples for	ant access to IN testing from my den ne(s) indicated ab	TERA representati omestic supply wel oove.	ves to my prop I. I also verify that	perty for the soli at.I (or a represer	e purpose of obt ntative for me) will	aining water be available
Name:			<del></del>			

Signature:



## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

March 26, 2003

HORIZON PARTNERS PO BOX 2550 HOBBS, NM 88241-0000

RE: DOMESTIC WATER WELL SURVEY

Gentlemen:

The State of New Mexico Oil Conservation Division (NMOCD) is initiating a study of ground water conditions in the vicinity of what has been called the Windmill Oil site. As part of this study, we are conducting a survey of water wells within sections 29 and 30 of Township 18 South Range 38 East, Lea County, New Mexico. Where water wells are identified, the NMOCD is requesting permission to sample water from the wells and submit the samples for a laboratory analysis of the ground water quality. The NMOCD has contracted with INTERA, Inc. to conduct the survey and sample the water wells. All water sampling costs and laboratory sample analyses will be paid for by the NMOCD. A copy of the analyses and an explanation of the water quality in each well will be provided to the well owners.

You have been identified as owning property in this area. We request that you please complete the attached well survey form and return the survey form in either the self-addressed stamped envelope or by fax as indicated on the form. If you have a water well, our contractor, INTERA, Inc., will be contacting you on behalf of the NMOCD to request a convenient time to sample your water well. Your cooperation in this survey is greatly appreciated and will help us better understand the ground water conditions in this area.

If you have any questions, please don't hesitate to call me at (505) 476-3490 or Bill Olson of my staff at (505) 476-3491. Thank you for your cooperation.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief

Regiones i lanca di spibili 1951,650, e l'ambient i maneres e le service e andi clerifici del montre este cons Arabar su appliagi della situa fenermani proprinta calabrata velle balorda son bigliano billo PCD e l'A

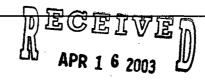
ramen analytika ilikula ne kumata an mengala ne kualengara.



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

Joanna Prukop
Cabinet Secretary



Lori Wrotenbery
Director
Oil Conservation Division

March 26, 2003

LAWSON FAMILY TRUST 120 E JEFFERSON AVE LOVINGTON, NM 88260-3606 The property that we own in the windmill oil site is a vacant of acre lot and does not have a waterwell.

RVEY Thank you for your notification, Bill Lawson

RE: DOMESTIC WATER WELL SURVEY

Gentlemen:

The State of New Mexico Oil Conservation Division (NMOCD) is initiating a study of ground water conditions in the vicinity of what has been called the Windmill Oil site. As part of this study, we are conducting a survey of water wells within sections 29 and 30 of Township 18 South Range 38 East, Lea County, New Mexico. Where water wells are identified, the NMOCD is requesting permission to sample water from the wells and submit the samples for a laboratory analysis of the ground water quality. The NMOCD has contracted with INTERA, Inc. to conduct the survey and sample the water wells. All water sampling costs and laboratory sample analyses will be paid for by the NMOCD. A copy of the analyses and an explanation of the water quality in each well will be provided to the well owners.

You have been identified as owning property in this area. We request that you please complete the attached well survey form and return the survey form in either the sale addressed stamped envelope or by fax as indicated on the form. If you have a water well, our contractor, INTERA, Inc., will be contacting you on behalf of the NMOCD to request a convenient time to sample your water well. Your cooperation in this survey is greatly appreciated and will help us better understand the ground water conditions in this area.

If you have any questions, please don't hesitate to call me at (505) 476-3490 or Bill Olson of my staff at (505) 476-3491. Thank you for your cooperation.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief

VERY TEXT SO CORRESPONDE



ddress:				
tate:	Zip:			
			How many w	ells are for domestic use?
here is eac	h domestic use well located	d on the Property	? Please describ	pe with as much detail as possible.
ell No. 1:	<del>-</del>		. •	
-				
ell No. 2:				
	·		· ·	
				· · · · · · · · · · · · · · · · · · ·
•				
	· · · · · · · · · · · · · · · · · · ·			
ell No. 4:				
			:	
_	,		<u> </u>	<u>.</u>
hen was ea	ach domestic use well cons	tructed (MM/DD/	YY)?	
ell No. 1		_ Well No. 2		Well No. 3
ell No. 4		<del>_</del> .		
nat is each	domestic use well approxir	mate total depth	and depth to wate	er?
ell No. 1			Well No. 2	
	•			
	,	•	_	
ıcet, bathro	om sink, etc)			II, etc) or interior access point (kitc
eli No. 1		Well No. 2	er sam e manadam en	Well No. 3
				the state of the s

Please circle	the following:					•
•	` ,	best for our technic		•		
DAY:				·		
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would specified abo		e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	) and time(s)
Person to Ca	all	·	·		•	
Telephone D	aytime:	Eve	ning:			
Mobile Phon	e:	<u>.</u>				
Are any of th		vells registered with	State of New M		office? Yes or No	
samples for t		TERA representati omestic supply wel love.				
Name:						
Signature:						



Property Owner(s	) Name: TW W	reddle			
Address: 20	ol Bensing Rd	· · · · · · · · · · · · · · · · · · ·		·	
State:	Zip:				
How many wells a	re located on the proper	rty?	How many we	ells are for domestic use	?
Where is each do	mestic use well located	on the Property	? Please describe	e with as much detail as	possible.
Well No. 1:	· · · ·				
				•	
Well No. 2:			•		
			···.		<del></del>
Well No. 3:					
vyell No. 4:			<del></del>		
			<del></del>		
When was each d	omestic use well constru	ucted (MM/DD/	YY)?		,
Well No. 1 <u>23</u> -	irs ago	Well No. 2		Well No. 3	
What is each dom	estic use well approxima	ate total depth	and depth to wate	r?	
Well No. 1	2'	<del></del>	Well No. 2		
Well No. 3			Well No. 4		
How can the well faucet, bathroom s		access point (la	ıwn spigot, at well	l, etc) or interior access	point (kitchen
Well No. 1		Well No. 2		Well No. 3	
Well No. 4			•		

Please circle	the following:				•	
Day(s) and t	ime(s) that would	best for our technic	cian to visit and t	take water samp	les?	
DAY:		·		•••••••••••••••••••••••••••••••••••••••		
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	·		***************************************	***************************************		
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
<b>NA</b> //					مرادمه مطعره المدا	
specified abo		e to call to arrang	e an appointme	ent to test your v	well on the day(s)	and time(s
Person to Ca	all				. i	
Telephone D	Daytime:	Eve	ning:	·		
Mobile Phon	e:	·				
Ear the prote	ection of our tooks	iicians, please list a	all animals locate	d anaita ar arau	ad the well location	2
• •	•	-	iii ariii iiais iocale		id the well location	1.
Animals Loc	ated Onsite (lives	tock, dogs, etc):				
				······································		
	,				// O.V	•
		vells registered with		lexico Engineer's	office? Yes or No	)?
Additional co	omments or quest	ions regarding this	survey:			
			·			
		<del>,-</del>	<u> </u>			.1.
<del>- : -</del>		<del></del>				
	. =	<u></u>				<del>". · ·  </del>
			<del></del>		· .	
samples for		TERA representati				
_	Tw widd					
name:	The west	uh				
Signature:	The Work	w –				



Property Owner(s) Name:	TRBIL WITTH	244		
Address: 1901 GARY	LANE - HOURA	<u>c</u>	· · · · · · · · · · · · · · · · · · ·	
Address: <u>1902 GAAL</u> State: <u>N. MZX</u>	Zip: 88240			
			ells are for domestic use?	
Where is each domestic use	well located on the Property	/? Please describe	e with as much detail as possib	ole.
Well No. 1:		<u></u>		
Well No. 2:				
<del>-</del>				
Well No. 3:				
	•			
Well No. 4:				<del></del>
	· · · · · · · · · · · · · · · · · · ·			
When was each domestic us	e well constructed (MM/DD/	YY)?		
Well No. 1	Well No. 2		Well No. 3	
Well No. 4	<del> </del>			
	·			
What is each domestic use w	vell approximate total depth	and depth to wate	r?	
Well No. 1		Well No. 2		
Well No. 3		Well No. 4		
		·		
How can the well be accesse faucet, bathroom sink, etc)	ed? Exterior access point (la	awn spigot, at well	l, etc) or interior access point (	kitchen
Well No. 1	Well No. 2		Well No. 3	
Well No. 4				

DΛV-						
DAY:	Tuondov	Wednesday	Thursday	Eriday	Saturday	Sunday
••••••		vveuriesuay	Tituisuay	Filliay		
TIME:			•			
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
When would	be the best time	e to call to arrange	e an appointme	ent to test your v	vell on the day(s)	and time(s
specified abo		J			• , ,	, ,
Person to Ca	ıll			•	[	
	aytime:		ning:			
Mobile Phone	0.					
	₽.					
For the prote		icians, please list a tock, dogs, etc):	II animals locate	ed onsite or arour	nd the well location	n. 
For the protect Animals Location Animals Location Are any of the	ction of our techn ated Onsite (livest e domestic use w	tock, dogs, etc): - ells registered with	State of New M			
For the protect Animals Location Animals Location Are any of the	ction of our techn ated Onsite (livest e domestic use w	ock, dogs, etc):	State of New M			
For the protect Animals Location Animals Location Animals Location Are any of the	ction of our techn ated Onsite (livest e domestic use w	tock, dogs, etc): - ells registered with	State of New M			
For the protect Animals Location Animals Location Animals Location Are any of the	ction of our techn ated Onsite (livest e domestic use w	tock, dogs, etc): - ells registered with	State of New M			
For the protect Animals Location Animals Location Animals Location Are any of the	ction of our techn ated Onsite (livest e domestic use w	tock, dogs, etc): - ells registered with	State of New M			
For the protect Animals Location Animals Location Animals Location Are any of the	ction of our techn ated Onsite (livest e domestic use w	tock, dogs, etc): - ells registered with	State of New M			
For the protect Animals Location Animals Location Animals Location Are any of the	ction of our techn ated Onsite (lives) e domestic use w	tock, dogs, etc): - ells registered with	State of New M			



The informa at the reque developing a that you cor return using	est of the Na a schedule anplete th			information via the second of	mation will aid our l like to thank you	Il sampling program field technicians in for your aid and ask ease complete and erome A. Marez.
Property Ow	ner(s) Nar	Mr. V	Vallace A. Cox			
Address:	((	1811 Hobb	N. Gary Ln. s, NM 88240			
State:	9			N. J.	4	
How many v	vells are,			<b>S</b> ,yw	ells are for domest	ic use?
Where is ea	ch domestic	use well locate	ed on the Property?	Please describ	e with as much de	tail as possible.
Well No. 1:						
						-
		· · · · · · · · · · · · · · · · · · ·			<u> </u>	
Well No. 2:						
Wall No. 3:	·		•	•		
Weii 140. 3.						
	<del></del>	,				
Well No. 4:						
		,				
			structed (MM/DD/\	Y)?		
Well No. 1	Oct 7	1956	Well No. 2	<del></del>	Well No. 3	
Well No. 4 _						
		`				
What is each	n domestic u	se well approxi	mate total depth a	nd depth to wate	er?	
Well No. 1 _	100	55 DTu	) March 2002	Well No. 2		
Well No. 3				Well No. 4		
				•		
	well be acc		or access point (lav	vn spigot, at we	ll, etc) or interior a	ccess point (kitchen
Well No. 1	. •		Well No. 2		Well No. 3	
Well No. 4				6 6		

Please circle	the following:					
Day(s) and t	ime(s) that would	best for our technic	cian to visit and	take water samp	es?	
DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
***************************************						•
When would		e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	and time(s)
Person to Ca	الذ				!	
Mobile Phon	e.	397-1619 ve			·	
WOOME THOM	·				•	
For the prote	action of our techn	icians, please list a	all animals locate	ed onsite or arour	nd the well location	1
·	•		ar arminais rocate		id the wen leading	••
Animais Loc	ated Onsite (livest	iock, dogs, eic).				
			<u>.</u>			
Aro only of th	o domostio uso u	colla registered with	Ctata of Naw N	lovice Engineers	office? Ves or No	.2
		ells registered with		iexico Engineers	onice? Yes of No	) <b>(</b>
Additional co	mments or questi	ions regarding this	survey:			
	,				-	
						··
•						
	·			;		
samples for t		TERA representati omestic supply well ove.				
Name:	21/2 6	e A	CoX			
Signature:	Vallans	e lit	Cal			



Property Owner	r(s) Name:	MES B. LI	) esy		
Address:	100 Robe	et La.	/		
State:	bbs Zip:	71851			
How many well	s are located on the	1	How many we	ells are for domestic use	? NONC
		,		e with as much detail as	
Well No. 1:	Not c	perenation			
	•	F			
		(,			
Well No. 2:			<del></del>		<del></del>
_		·			
	((	( /			·
		æ	•		
	ζ (.	٠.			
Well No. 4:					
		<u> </u>	·		
When was each	n domestic use well	constructed (MM/DD/	YY)?		
	\$		,	Well No. 3	
		<del> </del>			
What is each do	omestic use well ap	proximate total depth a	and depth to wate	r?	
		•			
			- Well No. 4		
			_		
How can the we faucet, bathroor		rterior access point (la	wn spigot, at well	, etc) or interior access	point (kitchen
Well No. 1		Well No. 2	· · · · · · · · · · · · · · · · · · ·	Well No. 3	
		· ·			

Monday Tuesday Wednesday Thursday Friday Saturday Sunda	DAY:						
TIME: 7:00 am 9:00 am 11:00 am 1:00 pm 3:00 pm 5:00 pm 7:00 p  When would be the best time to call to arrange an appointment to test your well on the day(s) and times specified above?  Person to Call  Telephone Daytime: 391-8099 Evening: SAME  Mobile Phone: 390-249/  For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:		Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7:00 am 9:00 am 11:00 am 1:00 pm 3:00 pm 5:00 pm 7:00 pm  When would be the best time to call to arrange an appointment to test your well on the day(s) and times specified above?  Person to Call  Telephone Daytime: 390-2491  For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:							
Person to Call		9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
Telephone Daytime: 391-8099 Evening: SAME  Mobile Phone: 370-2491  For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.			e to call to arrange	e an appointme	nt to test your v	vell on the day(s)	) and time(s
Telephone Daytime: 391-8099 Evening: SAME  Mobile Phone: 370-2491  For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.	Person to Ca	ıll				÷	
Mobile Phone: 390 - 249/  For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.			8099 Ever	nina: SA	n E		
For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.				·····9			
Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.	WOODIIC I HOLK	c. <u> </u>					
Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.	•			Il animals locate	d onsite or arour	d the well location	n. 
Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.	<del></del>						·
Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.	Are any of the	e domestic use w	alls registered with	State of New M	evico Engineer's	office? Ves or No	<b>1</b> 2
I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining wat samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.	-		_		exico Engineei s	Office: Tes of the	<b>, .</b>
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be availab during the time(s) indicated above.		·					
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be availab during the time(s) indicated above.						•	
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be availab during the time(s) indicated above.					· · · · · · · · · · · · · · · · · · ·		
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be availab during the time(s) indicated above.			·	· ·			
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be availab during the time(s) indicated above.	<del> </del>			<del></del>			
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be availab during the time(s) indicated above.							
	samples for t	esting from my do	omestic supply well				
	•	, ,	_				



Property Owner(s	Name: Desir Del	65		
	JA ROBERT LAN			
State: MM	zip: 88240			
How many wells a	are located on the property?	How many wells	are for domestic use?	
Where is each do	mestic use well located on the Propert	y? Please describe wi	th as much detail as poss	ible.
Well No. 1: 1	Exind The Ch	well		·
Well No. 2:		<del></del>		
Well No. 3:	<del></del>			
<del></del>				
Well No. 4:				· · ·
When was each d	lomestic use well constructed (MM/DD	·//\2		
	Well No. 2	·	Nall No. 3	
		:	Well 140. 5	<u></u>
	· · · · · · · · · · · · · · · · · · ·			
What is each dom	estic use well approximate total depth	and donth to water?		
	.,	•		
well no. 3	1 1111111	Well No. 4		<del></del>
How can the well I faucet, bathroom s	be accessed? Exterior access point (isink, etc)	awn spigot, at well, et	c) or interior access point	(kitchen
Well No. 1	Well No. 2		Well No. 3	

		best for our technic				
DAY:	<b>-</b> .		<b></b>	<b></b> .,	Outsutos	0
Monday	Tuesday	Wednesday	I hursday	Friday	Saturday	Sunday
TIME:						
		11:00 am	•		5:00 pm	
NA/In a service of						) and No /
specified abo		e to call to arrang	e an appointme	ent to test your v	veli on the day(s	) and time(s
	all		<del></del>			
Telephone D	Daytime: <u>393</u>	9787 Eve	ning:			
Mobile Phon	e:					
For the prote	ection of our techn	icians, please list a	II animals locate	ed onsite or arour	nd the well location	n.
				a oriono or arour		•
Animais Loc	ated Onsite (lives	lock, dogs, etc):				
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
	,					
Are any of th	e domestic use w	ells registered with	State of New M	exico Engineer's	office? Yes or No	?
Additional co	mments or quest	ions regarding this	survey:			•
				,		
	·· <u>·</u> ···					
		<del></del>				
······································		·				
samples for t	ant access to IN testing from my done(s) indicated ab	ΓΕRA representati omestic supply well ove.	ves to my prop I. I also verify tha	perty for the sole at I (or a represer	e purpose of obt ntative for me) will	aining wate be available
Name:						



Property Owner(s) Name: Imador Indo iguez
Address: 1919 Carr Love
State:
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: No. 1:
Well No. 2: Druth (1417 Car Love)
Well No. 3:
YVGII 140. 3.
Well No. 4:
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 Well No. 2 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 Well No. 2 Both Well No. 3
Well No. 4

DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:			•••••••••••••••••••••••••••••••••••••••			
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would	d be the best tim	ne to call to arrange	an appointme	ent to test your v	vell on the day(s	) and time(s
specified abo	ove?					
Person to Ca	all <u>Amado</u>	or Prode	iquez	,	:	
Telephone D	Daytime: 342	3-3492 Even	ing: 393	5-3492		
Mobile Phon	1.	195				
For the prote	ection of our techi	nicians, please list all	animals locate	ed onsite or arour	nd the well location	n.
Animals Loc	ated Onsite (lives	stock, dogs, etc):	Town.	dona		
Are any of th	ne domestic use v	wells registered with S	State of New M	lexico Engineer's	office? Yes or No	o?
		tions regarding this s		J		,
	·					
	·					
			<u></u>		· · · · · · · · · · · · · · · · · · ·	
······································						
		·		······································		
<del></del>						·
samples for		ITERA representativ domestic supply well. bove.				
Name: A	moder Pro	driguez				
Ciamatura	Mary Sur	Pulleren	<del></del>			



Property Owner(s) Name: Taren Muncy - Not the owner
Address: 1823 Graff IN
State: Bobbs zip: NM
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1:
Well No. 2:
· · · · · · · · · · · · · · · · · · ·
Well No. 3:
Well No. 4:
<u></u>
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 Well No. 2 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitcher
faucet, bathroom sink, etc)
Well No. 1 Well No. 2 Well No. 3
Well No. 4

Day(e)	and time(e)	that would	hest for our	technician to	visit and take	water samples?
Daylor	and thirte(s)	li lat Would	Dest for our	tech in licitari to	visit and take	water samples:

				***************************************		·····
DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:	***************************************	***************************************				•••••••••••••••••••••••••••••••••••••••
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
***************************************						••••••••••••••••••
Mhon would	I ha tha hast time	e to call to arrang	an annointr	nent to test your w	all on the day(e)	and time(
specified abo		e to ball to all all gi	с ин арронин	inchi to test your w	ch on the day(o)	and innec
Person to Ca	all		· · ·			
Telephone D	aytime:	Eve	ning:	·		
Mobile Phon	e:					
			•			
For the prote	ection of our techn	icians, please list a	II animals loca	ated onsite or around	d the well location	٦.
-	ated Onsite (lives	•	K	1		
Allillais Loca	aled Offsile (lives	eck, dogs, etc).	<del>/</del>		····	
•			÷			
Are any of th	e domestic use w	ells registered with	State of New	Mexico Engineer's	office? Yes or No	?
Additional co	mments or questi	ons regarding this	survey:		* **	
(A)	1			·		
- Dati	Kloom Ama	oom Wate		JKS		•
- Fi	tch en	Water S	Stinks	·		
samples for t		omestic supply well		operty for the sole that I (or a represent		
Name:	Kaun	Muna	1			
Signaturo:						
Signature:						



Property Owner(s) Name:(	Jeorge (a	mpos		
Address: 2129	obert Lone			
State: N M	zip: 38 <b>9</b> 40			
How many wells are located	on the property?	How many we	ells are for domestic u	sė?
Where is each domestic use	well located on the Property	? Please describe	e with as much detail a	as possible.
Well No. 1:				
			Marida .	
Well No. 2:		. 1,41		. •
Well No. 3:				
Well No. 4:				
<del></del>				
When was each domestic us				
Well No. 1	Well No. 2		Well No. 3	
Well No. 4	<u> </u>			
What is each domestic use w	vell approximate total depth a	and depth to wate	r?	
Well No. 1		Well No. 2		
Well No. 3				
How can the well be accessed faucet, bathroom sink, etc)	ed? Exterior access point (la	wn spigot, at wel	l, etc) or interior acces	ss point (kitchen
Well No. 1	Well No. 2	· · · · · · · · · · · · · · · · · · ·	Well No. 3	
Well No. 4				

DAY:	•••••••••••••••••••••••••••••••••••••••					
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						•••••••••••••••••••••••••••••••••••••••
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would	I be the best tim	e to call to arrang	e an appointme	ent to test your v	vell on the day(s	) and time(s
specified abo				1		
Person to Ca	all 39	1-1153			. *	
		Eve	ning:			
Mobile Phon	e:					
				. •		
For the prote	ection of our techr	nicians, please list a	ıll animals locate	ed onsite or arour	nd the well location	n.
Animals Loc	ated Onsite (lives	tock, dogs, etc):				
						·
	,				,	
Are any of th	e domestic use v	vells registered with	State of New M	lexico Engineer's	office? Yes or No	?
Additional co	mments or quest	ions regarding this	survey:	<i>:</i>		
		•	<u> </u>			
						<del> </del>
					<del> </del>	
samples for t		TERA representati omestic supply wel oove.				
Name:						
Signature:						



Property Owner(s) Name:	Veneta	LODS	
Address: 39	31 W. Beno	der Blud	Holdes
State:	zip: 88240	,	
How many wells are located	on the property?/	How many wells are for dome	stic use?/
	well located on the Property? F		
Well No. 1:			
		-	
Well No. 2:			,
<del></del>		<del> </del>	<del></del>
Well No. 3:			
Well No. 4:		······································	
	3		
When was each domestic use	e well constructed (MM/DD/YY	)?	•
Well No. 1	Well No. 2	Well No. 3	a a a a a a a a a a a a a a a a a a a
Well No. 4	<del></del>		
What is each domestic use w	ell approximate total depth and	I depth to water?	
Well No. 1		Well No. 2	
Well No. 3		Well No. 4	
How can the well be accesse faucet, bathroom sink, etc)	ed? Exterior access point (lawn	spigot, at well, etc) or interior	access point (kitchen
Well No. 1	Well No. 2	Well No. 3	
Well No. 4	·		

Please Circle	the following.					
Day(s) and ti	ime(s) that would	best for our technic	cian to visit and	take water samp	les?	
DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:				r		***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
		e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	) and time(s
specified abo	ove?					
Person to Ca	all			<u>:</u>		
Telephone D	aytime: 34	13-186/Eve	ning:			
Mobile Phon				f		
For the prote	etion of our techn	icians, please list a	III animals locate	ad oneite or arour	nd the well location	n
•				)	id tite well location	· 1•
Animals Loca	ated Onsite (lives	tock, dogs, etc):	NOGS	<u></u>		<del></del>
· · ·			- 0	·		
			•			
Are any of th	e domestic use w	ells registered with	State of New M	lexico Engineer's	office? Yes or No	?
Additional co	mments or quest	ions regarding this	survey:			
	<del></del>					• • • •
		<del></del>		· · · · · · · · · · · · · · · · · · ·	<u> </u>	
	<u>,</u>					
<del> </del>				<u></u>		
				·		<del></del>
					. •	
samples for t	ant access to IN testing from my done(s) indicated ab	TERA representati omestic supply well ove.	ives to my prop I. I also verify the	perty for the sol at I (or a represe	e purpose of ob- ntative for me) wil	taining water I be available
Name:						
Signature:	Vind	8 0	20			



Property Owner(s) Name: TAN	Heit.	jer.	·	
Address: 40/1 W. Bl.n	der	Hobb.	<u>ح</u>	
State: M Zip: 8	8240	;		
How many wells are located on the pro	operty?	_ How many wells	s are for domestic use? _	
Where is each domestic use well locate	ed on the Property?	Please describe	with as much detail as pos	ssible.
Well No. 1: Arrivary	in front of	I house		
				<u></u>
Well No. 2:				
·				
Well No. 3:			<u> </u>	<del></del>
	· ·	·		
Well No. 4:				
When was each domestic use well cor	nstructed (MM/DD/Y	Y)?		
Well No. 1	Well No. 2		Well No. 3	
Well No. 4				
What is each domestic use well approx	kimate total depth ar	nd depth to water?		
Well No. 1		Well No. 2		
Well No. 3				
How can the well be accessed? Exterifaucet, bathroom sink, etc)	ior access point (lav	vn spigot, at well,	etc) or interior access poi	nt (kitchen
Well No. 1	Well No. 2		Well No. 3	
Well No. 4	<del></del>			

Day(s) and t	ime(s) that would	best for our technic	cian to visit and	take water samp	es?	
DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would		e to call to arrang	e an appointme	ent to test your v	well on the day(s	) and time(s
Person to Ca	all				1	
	Daytime:	Eve	ning:			
Mobile Phon				,		
		<del></del>				
-		ells registered with		lexico Engineer's	office? Yes or No	?
-+1	. /			4 1 1		-f (-
inis Lu Wa	area h ter. The	as had die	Ing tun	by ari	AS PANUE	well
Vas 1	il produ	ets in the	e water	. The +a	ste and	Dull
were.	honifiz.	This new	well a	is butta	but not	- great
The a	rater ta	ble need	1 to be	Cleaned	ap.	
samples for		FERA representationnestic supply wellove.				
Name: _ \( \)	An Pfeit	fa				
Signature:	Jan Plea	th				
/		<i>U</i>				



Property Owr	ner(s) Name: Lee	SANDOUAL			
	209 N. Robert	Lane			<del></del>
State: NN	7 Zip: <u>88</u> J	40			
How many w	ells are located on the prope	erty? 1	_ How many wells	s are for domestic use?	1
Where is eac	h domestic use well located	on the Property?	Please describe v	with as much detail as poss	sible.
Well No. 1:					<del></del>
Well No. 2:					<del></del>
-					<u> </u>
Well No. 3:				<del></del>	
Moll No. 4.	,				
Well No. 4:	· ·	·			
	:	·	· · · · · · · · · · · · · · · · · · ·		<del></del>
When was ea	ach domestic use well constr	ucted (MM/DD/Y	Y)?	·	•
Well No. 1		Well No. 2			
Well No. 4					
What is each	domestic use well approxim	ate total depth ar	d depth to water?		
Well No. 1			Well No. 2		
Well No. 3		·····	Well No. 4		
How can the faucet, bathro	well be accessed? Exterior om sink, etc)	access point (law	n spigot, at well, e	etc) or interior access poin	t (kitchen
Well No. 1		Well No. 2		_Well No. 3	
Well No. 4					

Please circle	the following:					
Day(s) and ti	ime(s) that would	best for our technic	cian to visit and	take water sampl	es?	
DAY:						
Monday		Wednesday				Sunday
TIME:			•••••••••••••••••••••••••••••••••••••••			
		11:00 am				
When would specified abo	•	e to call to arrang	e an appointme	ent to test your v	vell on the day(s)	) and time(s)
Person to Ca	all				i	
Telephone D	)aytime:505 / 3	393-8510 Eve	ning: 505 - 34	3.9516		
	e:					
For the prote	ection of our techn	icians, please list a	all animals locate	ed onsite or arour	nd the well location	n.
Animals Loc	ated Onsite (lives	tock, dogs, etc):	,		•	
			τ			
Are any of th	e domestic use w	vells registered with	State of New M	lexico Engineer's	office? Yes or No	?
Additional co	mments or questi	ions regarding this	survey:			
		·	·			
		· · · · · · · · · · · · · · · · · · ·				
	<u> </u>					
					•	
			,			· · · · · · · · · · · · · · · · · · ·
samples for t		TERA representati omestic supply wellove.				
Name:	·····					
Signature:			<del></del>			



The information gathered in this survey is for the sole purpose of conducting a domestic well sampling program at the request of the New Mexico Oil Conservation Division. Your information will aid our field technicians in developing a schedule that will accommodate your availability. We would like to thank you for your aid and ask that you complete this survey in a timely manner and to the best of your knowledge. Please complete and return using the enclosed self addressed stamped envelope or fax to (505) 246-2600 Attn: Jerome A. Marez.

· ·	Bobbie Conawa Robert Ln.	14<- N	ve rent fr	mher
tate: M	zip: 88240			
low many wells are located	on the property?	How many w	ells are for domestic u	se?
/here is each domestic use	well located on the Property	Please describ	e with as much detail	as possible.
/ell No. 1:				
Inlinia O				
eli No. 2:				
ell No. 3:	·		·	
	*			
ell No. 4:	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		•
		<u>-</u>		
hen was each domestic u	se well constructed (MM/DD/Y	<b>Ƴ</b> )?		
ell No. 1	Well No. 2		Well No. 3	· .
ell No. 4	<del></del>			
		. •	·	,
nat is each domestic use	well approximate total depth a	nd depth to wate	er?	
ell No. 1		Well No. 2		
ell No. 3				
w can the well be access ucet, bathroom sink, etc)	ed? Exterior access point (lav	wn spigot, at we	ll, etc) or interior acce	ss point (kitche
əll No. 1	Well No. 2		Well No. 3	

Coons

Please circle	e the following:					
Day(s) and t	ime(s) that would	best for our technic	cian to visit and	take water sampl	es?	
DAY:			······································		•••••••••••••••••••••••••••••••••••••••	
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
When would specified abo		e to call to arrang	e an appointme	ent to test your v	vell on the day(s	) and time(s)
Person to Ca	all			<del> </del>	•	
Telephone D	Daytime:	Eve	ning:	····		
Mobile Phon	ne:	····				
			•	•		
For the prote	ection of our techn	icians, please list a	all animals locate	ed onsite or arour	nd the well location	n.
	ated Onsite (lives	·				
7 11 11 11 11 11 11 11 11 11 11 11 11 11						· · · · · · · · · · · · · · · · · · ·
	·····	<u> </u>	,	, , , , , , , , , , , , , , , , , , ,		
Are any of th	oo domostis uso v	ells registered with	State of New M	lovico Enginoer's	office? Ves or No	2
-		·		iexico Engineei s	office? Tes of INC	) <b>:</b>
Additional co	omments or quest	ions regarding this	survey:			
samples for	ant access to IN testing from my d me(s) indicated ab	TERA representati omestic supply well love.	ives to my prop Il. I also verify the	perty for the sole at I (or a represer	e purpose of ob- ntative for me) wil	taining water I be available
Name:		· .				
Signature:						



Property Own	er(s) Name: LEON	UARD 2	SYLVIA	STANSBO	SRRY
Address: 2	2131 N.C	ARR L	ANE -	HOBBS	
State: 10	an zip: 85	8240			
How many we	ells are located on the prop	perty? 2	How many well	s are for domestic use	?
Where is each	n domestic use well locate	d on the Property	Please describe	with as much detail as	possible.
Well No. 1: _	IN BACK	OF PR	OPERT	7	
_					
AMAILNIA O					
vveil No. 2: _					
Well No. 3: _	·			<u> </u>	
_	· · · · · · · · · · · · · · · · · · ·	• • •			
Well No. 4:					-
well No. 4:					
-			<del></del>		
When was ead	ch domestic use well cons	structed (MM/DD/\	Υ)?		
Well No. 1	· · · · · · · · · · · · · · · · · · ·	Well No. 2		Well No. 3	
Well No. 4		_			
What is each o	domestic use well approxi	mate total depth a	nd depth to water	?	
Well No. 1			Well No. 2		
Well No. 3		· .	Well No. 4		
			•		
How can the v faucet, bathroo	well be accessed? Exterion sink, etc)	or access point (la	wn spigot, at well,	etc) or interior access	point (kitchen
Well No. 1		Well No. 2		Well No. 3	
Well No. 4					

Please circle	the following:					
• • •	ime(s) that would	best for our technic	cian to visit and	take water samp	les?	
DAY:						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						***************************************
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pm
				·		•
When would		e to call to arrang	e an appointme	ent to test your v	well on the day(s)	) and time(s
Person to Ca	all LEON,	4RD 57	ANSBE	RR Y	1	
Telephone D	Daytime: 505	3 <i>93 - 14/3</i> Eve	ning: 5A	ME		
	e:			ı		
For the prote	ection of our techn	icians, please list a	all animals locate	ed onsite or arour	nd the well location	ո.
Animals Loc	ated Onsite (lives	tock, dogs, etc):	CATS	BIRDS	TURK	EYS
1 PEt	ACOCK	tock, dogs, etc):		<i>(</i>		
			Ŧ			
·Are any of th	, ne domestic use w	vells registered with	State of New M	lexico Enaineer's	office? Yes or No	)?
		ions regarding this				
	-					
		·				
	<del></del>					·
		· · · · · · · · · · · · · · · · · · ·		·		
·						
	·					
samples for t	ant access to IN- testing from my do ne(s) indicated ab	TERA representati omestic supply wel ove.	ves to my prop I. I also verify tha	perty for the sole at I (or a represe	e purpose of obt ntative for me) will	aining wate be available
Name: _ <u>5</u>	YLULA "	STANSBE	ery			
Signature:	lub :	STANSBE,	<u> </u>			



stic use?/
etail as possible.
-
. · ·
access point (kitchen

TIME: 7:00 am 9:00 am 11:00 am 1:00 pm 3:00 pm 5:00 pm 7:  When would be the best time to call to arrange an appointment to test your well on the day(s) and specified above?  Person to Call  Telephone Daytime:  Evening:  Mobile Phone:  For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:							•
7:00 am 9:00 am 11:00 am 1:00 pm 3:00 pm 5:00 pm 7:  When would be the best time to call to arrange an appointment to test your well on the day(s) and specified above?  Person to Call		Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
When would be the best time to call to arrange an appointment to test your well on the day(s) and specified above?  Person to Call							
Person to Call		9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pr
Person to Call							
Person to Call	ould be	the best time	e to call to arrange	e an appointme	ent to test your v	vell on the day(s)	and time(
Telephone Daytime: Evening:  Mobile Phone:  For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	d above?						
For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	o Call					·	
For the protection of our technicians, please list all animals located onsite or around the well location.  Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	ne Daytir	me:	Eve	ning:			
Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	Phone:		,	<u> </u>			
Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av		÷					
Animals Located Onsite (livestock, dogs, etc):  Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av							
Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?  Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	protection	n of our techn	nicians, please list a	ili animais locate	ed onsite or aroun	d the well location	٦.
Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	Located	Onsite (lives	tock, dogs, etc):				
Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av			-				
Additional comments or questions regarding this survey:  I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	4						
I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	of the do	mestic use w	vells registered with	State of New M	lexico Engineer's	office? Yes or No	?
I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av	al comm	ents or quest	ions regarding this	survey:			•
I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av			7		,		
I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av							
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av					1 .		
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av							<u> </u>
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av		,		. <del>.</del> -			
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av							
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be av							
during the time(s) indicated above.	for testir	ng from my de	omestic supply wel				
Name: John GARNSEY	Joh	IN GAR	م ع که مر م				
Name: John GARNSEY Signature: John L. Hannsey	0.	1 1	ed a	<del></del>			



Property Owner(s) Name: NEAL D. KINC
Address: 4001 MAHAN DR., HOBBS
State: 40843 Zip: 88 240
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: 15' SOUTH OF NORTH PROP. LINE
Well No. 2:
Well No. 3:
Well No. 4:
Miles was each also as also as a single section of the MANDER CO.
When was each domestic use well constructed (MM/DD/YY)?
Well No. 1 /964 Well No. 2 Well No. 3
Well No. 4
What is each domestic use well approximate total depth and depth to water?
Well No. 1 Well No. 2
Well No. 3 Well No. 4
How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen faucet, bathroom sink, etc)
Well No. 1 SEVERA C PLACES Well No. 2 Well No. 3
Well No. 4

			1			
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
ГІМЕ:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
When would	I be the best time	e to call to arrang	e an appointmen	t to test your v	vell on the day(s)	and time(s
specified abo	ove?					
Person to Ca	all JEAL K	1100			į	
		397-1603 Eve	ning SAM			
VIODIIE FIION	e: <u>5 AM &amp;</u>		•			
Animals Loc	ated Onsite (livest	·	1 Loup C		d the well location	
Are any of th	ated Onsite (livest	ock, dogs, etc):	State of New Me	DWARTLY	SANALL	Dog
Are any of th	ated Onsite (livest	ock, dogs, etc):	State of New Me	DWARTLY	SANALL	<u>Dag</u>
Are any of th	ated Onsite (livest	ock, dogs, etc):	State of New Me	DWARTLY	SANALL	Dog
Are any of th	ated Onsite (livest	ock, dogs, etc):	State of New Me	DWARTLY	SANALL	<u>Dag</u>
Are any of th	ated Onsite (livest	ock, dogs, etc):	State of New Me	DWARTLY	SANALL	<u>Dag</u>
Are any of th	ated Onsite (livest	ock, dogs, etc):	State of New Me	DWARTLY	SANALL	<u>Dag</u>
Are any of th	ated Onsite (livest	ock, dogs, etc):	State of New Me	DWARTLY	SANALL	Dog



Property Ow	ner(s) Name: 🔀 🔀	AT 5 A.1150	ih Stone,	ne/	
Address:	Z132 Gary L	7506	<u>65</u>		
State:	Um Zip: ¿	88 240			
How many w	vells are located on the p	property?/	_ How many wells	are for domestic us	e? <u> </u>
Where is eac	ch domestic use well loc	ated on the Property?	Please describe w	ith as much detail a	s possible.
Well No. 1:	South of 1	Home - ouppr	w 250'		
Mall Mar Or			:		
Well No. 2:		<del></del>			<del></del>
		· · ·	· · · · · · · · · · · · · · · · · · ·		
Well No. 3:					
		;			
Well No. 4:		<u> </u>			
			n .		15
When was e	ach domestic use well c	onstructed (MM/DD/Y	Y)?		
Well No. 1		Well No. 2		Well No. 3	
Well No. 4 _				,	
	•				
	n domestic use well appr	·	nd depth to water?		
Well No. 1 _	1301-140	<u> </u>	Well No. 2		
Well No. 3		·	Well No. 4		
faucet, bathr	well be accessed? Extension sink, etc)			•	
Well No. 1	lawn siget	Well No. 2		Well No. 3	
Well No. 4 _		. <del></del>			

UAI	••••		••••••••••••••••••••••••••••••••••••••			••••••••••••
DAY: Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TIME:						
7:00 am	9:00 am	11:00 am	1:00 pm	3:00 pm	5:00 pm	7:00 pn
When would specified abo		e to call to arrange	e an appointme	ent to test your v	well on the day(s)	and time(s
Person to Ca	1 TS rent	Stonens	d		<i>:</i>	
	•	<i>U602</i> Eve			·	
Mobile Phone	e:	- · · · · · · · · · · · · · · · · · · ·	. '			
-						
For the prote	ction of our techn	icians, please list a	II animals locate	ed onsite or arou	nd the well location	n.
Amimolo I and						
Animais Loca	ited Onsite (livest	tock, dogs, etc):	1 Dog 7'	back		
Animais Loca	ited Onsite (livesi	tock, dogs, etc):	1 Dag 71	back		·
Animais Loca	ited Onsite (livesi	tock, dogs, etc): _	1 Dag 71	back		<u> </u>
		tock, dogs, etc):	***************************************		s office? Yes or No	)?
Are any of the	e domestic use w	· · · · ·	State of New N		s office? Yes or No	)?
Are any of the	e domestic use w	ells registered with	State of New N		s office? Yes or No	o?
Are any of the	e domestic use w	ells registered with	State of New N		s office? Yes or No	)?
Are any of the	e domestic use w	ells registered with	State of New N		s office? Yes or No	)?
Are any of the	e domestic use w	ells registered with	State of New N		s office? Yes or No	o?
Are any of the	e domestic use w	ells registered with	State of New N		s office? Yes or No	)?
Are any of the	e domestic use w	ells registered with	State of New N		s office? Yes or No	)?
Are any of the Additional con	e domestic use we ments or question	ells registered with ons regarding this	State of New	flexico Engineer's	e purpose of obt	aining wate



Property Owner(s) Name: Benjamin L. Glover
Address: 2012 N. Gary in Hobbs
State: 1. M. zip: 88340
How many wells are located on the property? How many wells are for domestic use?
Where is each domestic use well located on the Property? Please describe with as much detail as possible.
Well No. 1: On the east side of shop class by Fence under
a blue did
Well No. 2:
Well No. 3:
Mall No. 4.
Well No. 4:
When was each domestic use well constructed (MM/DD/YY)?
When was each domestic use well constructed (MM/DD/YY)?
When was each domestic use well constructed (MM/DD/YY)?  Well No. 1
When was each domestic use well constructed (MM/DD/YY)?  Well No. 1
When was each domestic use well constructed (MM/DD/YY)?  Well No. 1 1964 Well No. 2 Well No. 3  Well No. 4
When was each domestic use well constructed (MM/DD/YY)?  Well No. 1   9 (e)   Well No. 2   Well No. 3   Well No. 4   Well No. 4   What is each domestic use well approximate total depth and depth to water?
When was each domestic use well constructed (MM/DD/YY)?  Well No. 1   19 (e)   Well No. 2   Well No. 3   Well No. 4   Well No. 4   What is each domestic use well approximate total depth and depth to water?  Well No. 1   180   7   Unknown   Well No. 2   Well No. 2   Well No. 2
When was each domestic use well constructed (MM/DD/YY)?  Well No. 1   19 (e)   Well No. 2   Well No. 3   Well No. 4   Well No. 4   What is each domestic use well approximate total depth and depth to water?  Well No. 1   180   7   Unknown   Well No. 2   Well No. 2   Well No. 2
When was each domestic use well constructed (MM/DD/YY)?  Well No. 1 1964 Well No. 2 Well No. 3  Well No. 4 Well No. 4 Well No. 1 180 7 Took Dinknown Well No. 2  Well No. 3 Well No. 2  Well No. 3 Well No. 4  How can the well be accessed? Exterior access point (lawn spigot, at well, etc) or interior access point (kitchen

Please circle the following:
Day(s) and time(s) that would best for our technician to visit and take water samples?
DAY:
Monday Tuesday Wednesday Thursday Friday Saturday Sunday
TIME:
7:00 am 9:00 am 11:00 am 1:00 pm 3:00 pm 5:00 pm 7:00 pm
When would be the best time to call to arrange an appointment to test your well on the day(s) and time(s)
specified above?
Person to Call TRISTA GOVEC
Telephone Daytime: 391-8814 Evening: SAMe
Mobile Phone: <u>390 - 993</u>
For the protection of our technicians, please list all animals located onsite or around the well location.
Animals Located Onsite (livestock, dogs, etc): $dogs(2) dogo + bite$
Are any of the domestic use wells registered with State of New Mexico Engineer's office? Yes or No?
Additional comments or questions regarding this survey:
you can triste oil in our water
V
I hereby grant access to INTERA representatives to my property for the sole purpose of obtaining water
samples for testing from my domestic supply well. I also verify that I (or a representative for me) will be available during the time(s) indicated above.
Name: Mrs. Bunny Aller
Mr. D. J. W. C.
Signature: Why Bonney Albert

#### APPENDIX 2 LABORATORY REPORTS

#### **Summary Report**

Jerome Marez

Report Date: June 12, 2003

Intera Inc.

6501 Americas Parkway NE 820

Work Order:

3060203

Suite 820

Albuquerque, NM 87110

Project Location:

Windmill Oil

Project Name:

Windmill Oil

Project Number: Document #03-199-000605

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
8699	Conoco Phillips	water	2003-05-28	07:31	2003-05-31
8700	Ronnie Lee	water	2003-05-28	08:18	2003-05-31
8701 .	Jerry Berry	water	2003-05-28	09:30	2003-05-31
8702	Frontera Family	water	2003-05-28	10:20	2003-05-31
8703	Texland	water	2003-05-28	11:43	2003-05-31
8704	Everett Fowler	water	2003-05-28	14:20	2003-05-31
8705	Occidental Perm	water	2003-05-28	15:05	2003-05-31
8706	B & D Services	water	2003-05-28	15:40	2003-05-31
8707	Max White	water	2003-05-28	16:10	2003-05-31
8708	Dela Cruz	water	2003-05-28	16:45	2003-05-31
8709	Larry Cochran	water	2003-05-28	17:33	2003-05-31
8710	Westbrook Oil	water	2003-05-29	09:18	2003-05-31
8711	JT Jackson	water	2003-05-29	10:18	2003-05-31
8712	Gary Jones	water	2003-05-29	11:06	2003-05-31
8713	Dennis Wilks	water	2003-05-29	11:45	2003-05-31
8714	John Ivory	water	2003-05-29	12:45	2003-05-31
8715	D Dixon	water	2003-05-29	13:25	2003-05-31
8716	Cindy Selman	water	2003-05-29	14:30	2003-05-31
8717	Joye Dobbs	water	2003-05-29	15:40	2003-05-31
8718	Raymond Stone	water	2003-05-29	16:20	2003-05-31
8719	CD Slaughter	water	2003-05-29	16:40	2003-05-31
8720	Taylor	water	2003-05-29	17:15	2003-05-31
8721	Jim Collins	water	2003-05-29	09:30	2003-05-31

			BTEX		TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene (isomers)	DRO	GRO
Sample - Field Code	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
8699 - Conoco Phillips	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8700 - Ronnie Lee	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8701 - Jerry Berry	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8702 - Frontera Family	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8703 - Texland	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8704 - Everett Fowler	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8705 - Occidental Perm	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8706 - B & D Services	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8707 - Max White	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8708 - Dela Cruz	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8709 - Larry Cochran	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100

continued ...

Report Date: June 12, 2003 Document #03-199-000605 Work Order: 3060203 Windmill Oil Page Number: 2 of 4 Windmill Oil

#### $\dots$ continued

			BTEX		TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene (isomers)	DRO	GRO
Sample - Field Code	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
8710 - Westbrook Oil	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8711 - JT Jackson	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8712 - Gary Jones	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8713 - Dennis Wilks	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8714 - John Ivory	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8715 - D Dixon	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8716 - Cindy Selman	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8717 - Joye Dobbs	< 0.00100	0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8718 - Raymond Stone	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8719 - CD Slaughter	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8720 - Taylor	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
8721 - Jim Collins	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100

#### Sample: 8699 - Conoco Phillips

Param	Flag	Result	Units	RL
Chloride		96.0	mg/L	0.500

#### Sample: 8700 - Ronnie Lee

Param	Flag	Result	Units	, RL
Chloride		115	mg/L	0.500

#### Sample: 8701 - Jerry Berry

Param	Flag	Result	Units	RL
Chloride		478	${ m mg/L}$	0.500

#### Sample: 8702 - Frontera Family

Param	Flag	Result	Units	RL.
Chloride		105	mg/L	0.500

#### Sample: 8703 - Texland

Param	Flag	Result	Units	RL
Chloride		112	mg/L	0.500

#### Sample: 8704 - Everett Fowler

Param	Flag	Result	Units	RL
Chloride		119	${ m mg/L}$	0.500

#### Sample: 8705 - Occidental Perm

Report Date: June 1 Document #03-199-0		Work Order: 3060203 Windmill Oil		Page Number: 3 of 4 Windmill Oil
Param	Flag	Result	Units	RL
Chloride		111	mg/L	0.500
Sample: 8706 - B	& D Services			
Param	Flag	Result	Units	RL
Chloride		84.3	mg/L	0.500
Sample: 8707 - M	ax White			
Param	Flag	Result	Units	RL
Chloride		110	mg/L	0.500
Sample: 8708 - De	ela Cruz			
Param	Flag	Result	Units	RL
Chloride		84.2	mg/L	0.500
Sample: 8709 - La	arry Cochran			
Param	Flag	Result	Units	. RL
Chloride			mg/L	0.500
Sample: 8710 - W	estbrook Oil			·
Param	Flag	Result	Units	RL
Chloride		102	mg/L	0.500
Sample: 8711 - JT	C Jackson			
Param	$\operatorname{Flag}$	Result	Units	RL
Chloride		378	mg/L	0.500
Sample: 8712 - Ga	ary Jones			
Param	Flag	Result	Units	RL
Chloride		90.6	mg/L	0.500
Sample: 8713 - De	ennis Wilks			
Param	Flag	Result	Units	RL
Chloride		130	mg/L	0.500

Sample: 8714 - John Ivory

Report Date: June Document #03-199-		Work Order: 3060203 Windmill Oil		Number: 4 of 4 Windmill Oil
Param	Flag	Result	Units	RL
Chloride		147	mg/L	0.500
Sample: 8715 - D	) Dixon			
Param	Flag	Result	Units	RL
Chloride		124	${ m mg/L}$	0.500
Sample: 8716 - C	Sindy Selman			
Param	Flag	Result	Units	RL
Chloride	1105	59.7	mg/L	0.500
Sample: 8717 - J	oye Dobbs			
Param	Flag	Result	Units	RL
Chloride	·	61.3	mg/L	0.500
Sample: 8718 - R	Farmond Stone			
	•	D1	Units	. DI
Param Chloride	Flag	Result —226	mg/L	RL 0.500
Sample: 8719 - C	D Slaughter			
Param	Flag	Result	Units	RL
Chloride		32.6	mg/L	0.500
Sample: 8720 - T	aylor	•		
Param	Flag	Result	Units	RL
Chloride		248	mg/L	0.500
Sample: 8721 - J	•	'		
Param Chloride	Flag	Result 60.7	Units mg/L	RL 0.500
Omoride		00.7	1118/ L	0.000

6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H Lubbock, Texas 79424 El Paso, Texas 79932 800 • 378 • 1296 888 • 588 • 3443 806 • 794 • 1296 915 • 585 • 3443 FAX 806 • 794 • 1298 FAX 915 • 585 • 4944

E-Mail: lab@traceanalysis.com

### Analytical and Quality Control Report

Jerome Marez

Report Date: June 12, 2003

Intera Inc.

6501 Americas Parkway NE 820

Work Order:

3060203

Suite 820

Albuquerque, NM 87110

Project Location:

Windmill Oil Windmill Oil

Project Name: Project Number:

Document #03-199-000605

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

	the Analytical Report and Qu	ionity Control Hopor	Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
8699	Conoco Phillips	water	2003-05-28	07:31	2003-05-31
8700	Ronnie Lee	water	2003-05-28	08:18	2003-05-31
8701	Jerry Berry	water	2003-05-28	09:30	2003-05-31
8702	Frontera Family	water	2003-05-28	10:20	2003-05-31
8703 ———	- Texland	-water	- ··· 2003-05-28 · · · ·	11:43	2003-05-31-
8704	Everett Fowler	water	2003-05-28	14:20	2003-05-31
8705	Occidental Perm	water	2003-05-28	15:05	2003-05-31
8706	B & D Services	water	2003-05-28	15:40	2003-05-31
8707	Max White	water	2003-05-28	16:10	2003-05-31
8708	Dela Cruz	water	2003-05-28	16:45	2003-05-31
8709	Larry Cochran	water	2003-05-28	17:33	2003-05-31
8710	Westbrook Oil	water	2003-05-29	09:18	2003-05-31
8711	JT Jackson	water	2003-05-29	10:18	2003-05-31
8712	Gary Jones	water	2003-05-29	11:06	2003-05-31
8713	Dennis Wilks	water	2003-05-29	11:45	2003-05-31
8714	John Ivory	water	2003-05-29	12:45	2003-05-31
8715	D Dixon	water	2003-05-29	13:25	2003-05-31
8716	Cindy Selman	water	2003-05-29	14:30	2003-05-31
8717	Joye Dobbs	water	2003-05-29	15:40	2003-05-31
8718	Raymond Stone	water	2003-05-29	16:20	2003-05-31
8719	CD Slaughter	water	2003-05-29	16:40	2003-05-31
8720	Taylor	water	2003-05-29	17:15	2003-05-31
8721	Jim Collins	water	2003-05-29	09:30	2003-05-31

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 36 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Work Order: 3060203 Windmill Oil

Page Number: 2 of 36 Windmill Oil

# **Analytical Report**

Sample: 8699 - Conoco Phillips

Analysis: **BTEX** QC Batch: 1958 Prep Batch: 1772

Analytical Method: Date Analyzed: Date Prepared:

S 8021B 2003-06-02

2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLParameter Result Units Dilution Flag RLBenzene < 0.00100 mg/L 0.00100 1 Toluene 1 < 0.00100 mg/L 0.00100 Ethylbenzene < 0.00100 mg/L 1 0.00100Xylene (isomers) < 0.00100 1 mg/L 0.00100

		:			Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0977	mg/L	1	0.100	98	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0956	${ m mg/L}$	1	0.100	96	77.8 - 110

Sample: 8699 - Conoco Phillips

Analysis: Chloride (IC) QC Batch: 1944 Prep Batch: 1760

Analytical Method: E 300.0 Date Analyzed: Date Prepared:

2003-06-03 2003-06-02 Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

RLParameter Result Units Dilution RLFlag 0.500 Chloride 96.0 mg/L

Sample: 8699 - Conoco Phillips

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923

Analytical Method: Date Analyzed: Date Prepared:

Mod. 8015B 2003-06-04 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

RLResult Units Dilution RLParameter Flag DRO < 5.00 0.1 50.0 mg/L

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		15.9	${ m mg/L}$	0.1	150	106	83 - 174

Sample: 8699 - Conoco Phillips

TPH GRO Analysis: QC Batch: 2086 Prep Batch: 1886

Analytical Method: Date Analyzed: Date Prepared:

S 8015B 2003-06-02 2003-06-02 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

 $continued \dots$ 

Work Order: 3060203  $Windmill\ Oil$ 

Page Number: 3 of 36 Windmill Oil

 $sample~8699~continued~\dots$ 

	•		RL					
Parameter	Flag		Result		Units	Dil	lution	RL
			RL					
Parameter Flag		Result			$\mathbf{Units}$	Dilution		RL
GRO			< 0.100		mg/L		1	0.100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TF	T)		0.117	mg/L	1	0.100	117	73 - 120
4-Bromofluorobenzer	ne (4-BFB)	1	0.122	mg/L	1	0.100	122	78 - 120

#### Sample: 8700 - Ronnie Lee

Analysis: QC Batch: Prep Batch:	BTEX 1958 1772		Analytical Method: Date Analyzed: Date Prepared:	S 8021B 2003-06-02 2003-06-02	Prep Method: Analyzed By: Prepared By:	CG
•			RL			
Parameter		Flag	Result	Units	Dilution	RL
Benzene		-,0,0	< 0.00100	m mg/L	1	0.00100
Toluene			< 0.00100	$\mathrm{mg}/\mathrm{L}$	· 1	0.00100
Ethylbenzene	e		< 0.00100	${ m mg/L}$	1 ′	0.00100

Xylene (isomers)		< 0.001	< 0.00100		· · · · · · · · · · · · · · · · · · ·	1 .	0.00100	
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits	
Trifluorotoluene (TFT)		0.0994	mg/L	1	0.100	. 99	78.7 - 110	
4-Bromofluorobenzene (4-BFB)		0.0982	mg/L	1	0.100	98	77.8 - 110	

#### Sample: 8700 - Ronnie Lee

Analysis: QC Batch: Prep Batch:	Chloride (IC) 1944 1760	Analytical Method: Date Analyzed: Date Prepared:	E 300.0 2003-06-03 2003-06-02	Prep Method: Analyzed By: Prepared By:	,
	1	RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		115	mg/L	5 .	0.500

#### Sample: 8700 - Ronnie Lee

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	•	Prep Method:	N/A
QC Batch:	2135	Date Analyzed:	2003-06-04		Analyzed By:	BP
Prep Batch:	1923	Date Prepared:	2003-06-03	*	Prepared By:	WG
		RL				
Parameter	$\operatorname{Flag}$	$\operatorname{Result}$	Units	Di	lution	RL
DRO		< 5.00	mg/L		0.1	50.0

<sup>&</sup>lt;sup>1</sup>High surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060203 Windmill Oil

Page Number: 4 of 36 Windmill Oil

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		15.7	$\mathrm{mg/L}$	0.1	150	105	83 - 174

#### Sample: 8700 - Ronnie Lee

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886

Analytical Method: Date Analyzed: Date Prepared:

S 8015B 2003-06-02 2003-06-02 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLParameter Flag Result Units Dilution RLGRO < 0.100 mg/L 0.100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.119	mg/L	1	0.100	119	73 - 120
4-Bromofluorobenzene (4-BFB)	2	0.123	mg/L	1	0.100	123	78 - 120

#### Sample: 8701 - Jerry Berry

BTEX Analysis: QC Batch: 1958 Prep Batch: 1772

Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: Prepared By:

RLDilution Parameter Flag Result Units RLBenzene < 0.00100 mg/L 1 0.00100 Toluene < 0.00100 1 0.00100 mg/L Ethylbenzene 1 < 0.00100 mg/L0.00100 1 0.00100 Xylene (isomers) < 0.00100 mg/L

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0936	mg/L	1	0.100	94	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0932	${ m mg/L}$	1	0.100	93	77.8 - 110

#### Sample: 8701 - Jerry Berry

Analysis: Chloride (IC) QC Batch: 1944 Prep Batch: 1760

Analytical Method: E 300.0 Date Analyzed: 2003-06-03 Date Prepared: 2003-06-02

Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

CG

CG

RL Result Dilution RLParameter Flag Units 0.500 478 50 Chloride mg/L

#### Sample: 8701 - Jerry Berry

Analysis:

TPH DRO

Analytical Method: Mod. 8015B

Prep Method: N/A

<sup>&</sup>lt;sup>2</sup>High surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060203 Windmill Oil

Page Number: 5 of 36 Windmill Oil

QC Batch: Prep Batch: 1923

2135

Date Analyzed: Date Prepared: 2003-06-04 2003-06-03 Analyzed By: BP

Prepared By: WG

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	${ m mg/L}$	0.1	50.0

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		16.0	${ m mg/L}$	0.1	150	107	83 - 174

#### Sample: 8701 - Jerry Berry

Analysis: QC Batch:

TPH GRO 2086 Prep Batch: 1886

Analytical Method: S 8015B Date Analyzed:

2003-06-02 2003-06-02 Prep Method: S 5030B

Analyzed By: CG Prepared By: CG

#### RL

Date Prepared:

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

•					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	${f Amount}$	Recovery	Limits
Trifluorotoluene (TFT)		0.114	mg/L	1	0.100	114	73 - 120
4-Bromofluorobenzene (4-BFB)		0.119	${\sf mg/L}$	1	0.100	119	78 - 120

#### Sample: 8702 - Frontera Family

Analysis: QC Batch:

BTEX 1958 Prep Batch: 1772

Analytical Method: Date Analyzed:

Date Prepared:

S 8021B 2003-06-02 2003-06-02 Prep Method: S 5030B CGAnalyzed By: Prepared By: CG

ВŢ

		TCL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	$\mathrm{mg/L}$	1	0.00100
Xylene (isomers)		< 0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0965	mg/L	1	0.100	96	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0935	mg/L	1	0.100	94	77.8 - 110

#### Sample: 8702 - Frontera Family

Analysis: Chloride (IC) QC Batch: 1944

Prep Batch: 1760

Analytical Method: E 300.0 Date Analyzed: Date Prepared:

2003-06-03 2003-06-02 Prep Method: N/A Analyzed By: **JSW** Prepared By: JSW

continued ...

Work Order: 3060203 Windmill Oil Page Number: 6 of 36 Windmill Oil

sample 8702 continued ...

<b>.</b>	_,	RL	<b>TT</b> 1.	<b>5</b> 0	7.7
Parameter	Flag	Result	Units	Dilution	RL
		$\mathtt{RL}$	•		
Parameter	Flag	Result	Units	Dilution	RL
Chloride		105	m mg/L	5	0.500

#### Sample: 8702 - Frontera Family

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A
Analyzed By: BP
Prepared By: WG

Parameter	Flag	5	RL Result	Uni	ts	Dilution	RL
DRO			< 5.00	mg/	L	0.1	50.0
, ·	-				Spike	Percent	Recovery
Surrogate	Flag	Result	$_{ m Units}$	Dilution	Amount	Recovery	Limits
n-Triacontane		16.2	mg/L	0.1	150	108	83 - 174

### Sample: 8702 - Frontera Family

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886 Analytical Method: S 8015B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

RL

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Parameter	Flag		Result		Units	Di	lution	RL
GRO			< 0.100		mg/L		1	0.100
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (T)	<u> </u>	1105	0.114	mg/L	1	0.100	114	73 - 120
4-Bromofluorobenze			0.118	mg/L	1	0.100	118	78 - 120

#### Sample: 8703 - Texland

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772 Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	$\mathrm{mg/L}$	1	0.00100
Xylene (isomers)		< 0.00100	mg/L	1	0.00100

Work Order: 3060203 Windmill Oil Page Number: 7 of 36 Windmill Oil

Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0923	mg/L	1	0.100	92	78.7 - 110
4-Bromofluorobenzene (4-E	BFB)		0.0912	mg/L	1	0.100	91	77.8 - 110

#### Sample: 8703 - Texland

Analysis: Chloride (IC)
QC Batch: 1944
Prep Batch: 1760

Analytical Method: E 300.0 Date Analyzed: 2003-06-03 Date Prepared: 2003-06-02 Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		112	mg/L	5	0.500

#### Sample: 8703 - Texland

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

		RL			
Parameter	Flag	Result	Units	Dilution ,	RL
DRO		< 5.00	mg/L	0.1	50.0
			;		

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		15.9	${ m mg/L}$	0.1	150	106	83 - 174

#### Sample: 8703 - Texland

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886 Analytical Method: S 8015B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Parameter	Flag	$rac{ ext{RL}}{ ext{Result}}$	Units	Di	lution	RL
GRO		 < 0.100	 mg/L		1	0.100
	•	 	 	Spike	Percent	Recovery

Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.111	mg/L	1	0.100	111	73 - 120
4-Bromofluorobenzene (4-BFB)		0.114	mg/L	1	0.100	114	78 - 120

#### Sample: 8704 - Everett Fowler

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772 Analytical Method: S 8021B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG Work Order: 3060203 Windmill Oil Page Number: 8 of 36 Windmill Oil

Prep Method: N/A

.g	res	ult	Units	Di	lution	RL
	< 0.001	00	$_{ m mg/L}$		1	0.00100
	< 0.001	00	mg/L		1	0.00100
Ethylbenzene		< 0.00100		1		0.00100
	< 0.001	00	mg/L		1	0.00100
Flag	Rocult	Unita	Dilution	Spike	Percent	Recovery Limits
1 105			1			78.7 - 110
	0.0889		1	0.100	89	77.8 - 110
	Flag	<0.001 <0.001 <0.001 Flag Result 0.0908	<0.00100  Flag Result Units  0.0908 mg/L	<pre></pre>	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

QC Batch:	1944		Date Analyzed:	2003-06-03	Analyzed By	y: JSW
Prep Batch:	1760		Date Prepared:	2003-06-02	Prepared By	r: JSW
			RL		·	
Parameter		Flag	Result	Units	Dilution	RL
Chloride			119	mg/L	5	0.500

Analytical Method: E 300.0

#### Sample: 8704 - Everett Fowler

Chloride (IC)

Analysis:

Analysis: QC Batch: Prep Batch:	TPH DRO 2135 1923		Analytical M Date Analyze Date Prepare	ed: 2003-06	6-04	Prep M Analyz Prepar	•	N/A ~ BP WG
			RL					
Parameter	Fla	g	Result	Uni	ts	Dilution		RL
DRO			< 5.00	mg/	'L	0.1		50.0
					Spike	Percent	Reco	very
Surrogate -	Flag	Result	Units	Dilution	${f Amount}$	Recovery	Lin	nits
n-Triacontane	e	16.0	mg/L	0.1	150	107	83 -	174

#### Sample: 8704 - Everett Fowler

4-Bromofluorobenzene (4-BFB)

Analysis: QC Batch: Prep Batch:	TPH GRO 2086 1886		Analytical l Date Analy Date Prepa	zed:	S 8015B 2003-06-02 2003-06-02		Prep Method: Analyzed By: Prepared By:	
			RL					
Parameter	Flag		Result		Units	Dil	ution	RL
GRO			< 0.100		$_{ m mg/L}$		1	0.100
		771	D 1		<b>7</b>	Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)		0.108	m mg/L	1	0.100	108	73 - 120

mg/L

1

0.112

0.100

112

78 - 120

Work Order: 3060203 Windmill Oil

Page Number: 9 of 36 Windmill Oil

#### Sample: 8705 - Occidental Perm

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772

Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02 Prep Method: S 5030B Analyzed By: CGPrepared By: CG

		1
otor	Flag	Res

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	m mg/L	1	0.00100
Ethylbenzene		< 0.00100	${ m mg/L}$	1	0.00100
Xylene (isomers)	781117	< 0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0892	mg/L	1	0.100	89	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0882	mg/L	1	0.100	88	77.8 - 110

#### Sample: 8705 - Occidental Perm

A'nalysis: Chloride (IC) QC Batch: 1944 Prep Batch: 1760

Analytical Method: E 300:0 Date Analyzed: 2003-06-03 Date Prepared: 2003-06-02

Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

		m RL		,	
Parameter	Flag	Result	Units	Dilution	RL
Chloride	,	111	mg/L	5	0.500

#### Sample: 8705 - Occidental Perm

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BPPrepared By: WG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	${ m mg/L}$	0.1	50.0

	;				Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		16.4	mg/L	0.1	150	109	83 - 174

#### Sample: 8705 - Occidental Perm

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886

Analytical Method: S 8015B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02 Prep Method: S 5030B Analyzed By: CGPrepared By: CG

	-

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

RL

Work Order: 3060203 Windmill Oil

Page Number: 10 of 36 Windmill Oil

Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.107	mg/L	1	0.100	107	73 - 120
4-Bromofluorobenzene (4-B	FB)		0.112	mg/L	1	0.100	112	78 - 120

#### Sample: 8706 - B & D Services

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772 Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	m mg/L	1	0.00100

•					Spike	Percent	Recovery
Surrogate	$\mathbf{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0853	mg/L	1	0.100	85	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0844	m mg/L	1	0.100	84	77.8 - 110

#### Sample: 8706 - B & D Services

Analysis: Chloride (IC) QC Batch: 1944 Prep Batch: 1760 Analytical Method: E 300.0
Date Analyzed: 2003-06-03
Date Prepared: 2003-06-02

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

		ŘL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		84.3	${ m mg/L}$	5	0.500

#### Sample: 8706 - B & D Services

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

	,	RL			
Parameter	$\operatorname{Flag}$	Result	Units	Dilution	RL
DRO		< 5.00	m mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	$_{ m Units}$	Dilution	${f Amount}$	Recovery	Limits
n-Triacontane		16.1	mg/L	0.1	150	107	83 - 174

#### Sample: 8706 - B & D Services

Analysis: TPH GRO QC Batch: 2086

Analytical Method: S 8015B Date Analyzed: 2003-06-02 Prep Method: S 5030B Analyzed By: CG

Surrogate

n-Triacontane

Flag

Result

16.3

Units

mg/L

Dilution

0.1

Work Order: 3060203 Windmill Oil Page Number: 11 of 36 Windmill Oil

Limits

83 - 174

Amount

150

Recovery

109

Prep Batch:	1886		Date Prepar	ed:	2003-06-02		Prepared By:	CG
			RL					
Parameter	Flag		Result		Units	Γ	llution	RL
GRO			< 0.100		mg/L		1	0.100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluen	ne (TFT)	- 100	0.104	mg/L		0.100	104	73 - 120
	benzene (4-BFB)		0.107	mg/L		0.100	107	78 - 120
Sample: 8707	7 - Max White							
Analysis:	BTEX		Analytical Me	thod:	S 8021B		Prep Method:	S 5030B
QC Batch:	1958		Date Analyzed	1:	2003-06-02		Analyzed By:	CG
Prep Batch:	1772		Date Prepared	l: :	2003-06-02		Prepared By:	CG
			R	L				
Parameter	Flag		Resu		Units	· D	ilution	RL
Benzene			< 0.0010	0	mg/L		1	0.00100
Toluene .			< 0.0010	0	$\mathrm{mg}/\mathrm{L}$		1	0.00100
Ethylbenzene			< 0.0010	0	mg/L		1	0.00100
Xylene (isomer	rs)		< 0.0010	0	mg/L		1	0.00100
						Spike	Perćent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluer	ne (TFT)		0.0901	mg/L	1	0.100	90	78.7 - 110
	benzene (4-BFB)		0.0899	mg/L	. 1	0.100	90 ·	77.8 - 110
-								
Sample: 870	7 - Max White						•	
Analysis:	Chloride (IC)		Analytica	al Metho	od: E 300.0		Prep Meth	od: N/A
QC Batch:	1944		Date Ana	alyzed:	2003-06-03	3	Analyzed	By: JSW
Prep Batch:	1760		Date Pre	pared:	2003-06-02	}	Prepared 1	By: JSW
			RL		•			
Parameter	Flag		Result		Units	Ε	llution	RL
Chloride			110		$\mathrm{mg/L}$		5	0.500
Sample: 870'	7 - Max White							
Analysis:	TPH DRO		Analytical	Method			Prep Metl	
QC Batch:	2135		Date Analy		2003-06-04		Analyzed	•
Prep Batch:	1923		Date Prepa	red:	2003-06-03		Prepared	By: WG
			RL					
Parameter	Flag		Result		Units		Dilution	RL
DRO	~0		< 5.00		mg/L		0.1	50.0
	,						<u> </u>	
		Pogult	Unite		ilution	Spike Amount	Percent	Recovery

Work Order: 3060203 Windmill Oil

Page Number: 12 of 36 Windmill Oil

#### Sample: 8707 - Max White

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886

Analytical Method: Date Analyzed:

S 8015B 2003-06-02 2003-06-02 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

DI

Date Prepared:

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	${ m mg/L}$	1	0.100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	73 - 120
4-Bromofluorobenzene (4-BFB)		0.114	mg/L	1	0.100	114	78 - 120

#### Sample: 8708 - Dela Cruz

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772

Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared:

RL

Prep Method: S 5030B Analyzed By: CG 2003-06-02 Prepared By:

Parameter	Flag	Result	Units	Dilution	m RL
Benzene	,	< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	m mg/L	1 ,	0.00100
Ethylbenzene		< 0.00100	$\mathrm{mg/L}$	1	0.00100
Xylene (isomers)		< 0.00100	··· ,mg/L	·· · · · 1·	0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0847	mg/L	· 1	0.100	85	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0824	$\{mg/L}$	1	0.100	82	77.8 - 110

#### Sample: 8708 - Dela Cruz

Analysis: Chloride (IC) QC Batch: 1945 Prep Batch: 1761

Parameter

Chloride

Analytical Method: E 300.0 Date Analyzed: Date Prepared:

Prep Method: N/A Analyzed By: 2003-06-03 Prepared By: 2003-06-02

Flag

$\mathtt{RL}$			
Result	Units	Dilution	RL
84.2	m mg/L	5	0.500

#### Sample: 8708 - Dela Cruz

Analysis: TPH DRO. QC Batch: 2135 Prep Batch: 1923

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003 - 06 - 03

Prep Method: N/A Analyzed By: BP Prepared By: WG

JSW

JSW

RI.

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	mg/L	0.1	50.0

Work Order: 3060203 Windmill Oil Page Number: 13 of 36 Windmill Oil

					Spike	Percent	Recovery
Surrogate	Flag	Result	$_{ m Units}$	Dilution	Amount	Recovery	Limits
n-Triacontane		16.6	${ m mg/L}$	0.1	150	111	83 - 174

#### Sample: 8708 - Dela Cruz

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886 Analytical Method: S 8015B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

					Spike	rercent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100,	102	73 - 120
4-Bromofluorobenzene (4-BFB)		0.105	${ m mg/L}$	1	0.100	105	78 - 120

#### Sample: 8709 - Larry Cochran

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772 Analytical Method: S 8021B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLDilution RLUnits Parameter Flag Result 0.00100 Benzene < 0.00100 mg/L 1 1 0.00100 Toluene < 0.00100 mg/L 0.00100 1 Ethylbenzene < 0.00100 mg/L 0.00100 1 Xylene (isomers) < 0.00100 mg/L

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0821	mg/L	1	0.100	82	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0813	${ m mg/L}$	1	0.100	81	77.8 - 110

#### Sample: 8709 - Larry Cochran

Analysis: Chloride (IC) QC Batch: 1945 Prep Batch: 1761 Analytical Method: E 300.0
Date Analyzed: 2003-06-03
Date Prepared: 2003-06-02

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

#### Sample: 8709 - Larry Cochran

, Analysis: TPH DRO QC Batch: 2135

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04

Prep Method: N/A Analyzed By: BP

Work Order: 3060203 Windmill Oil Page Number: 14 of 36 Windmill Oil

WG

RL

50.0

Prep Batch: 1923 Date Prepared: 2003-06-03 Prepared By:  $\frac{RL}{DRO}$  Result Units Dilution  $\frac{Parameter}{DRO}$  <5.00 mg/L 0.1

			I V		Spike	Percent	Recovery
Surrogate	Flag	Result	$\mathbf{Units}$	Dilution	Amount	Recovery	Limits
n-Triacontane		15.9	m mg/L	0.1	150	106	83 - 174

#### Sample: 8709 - Larry Cochran

Analysis: TPH GRO Analytical Method: S 80 QC Batch: 2086 Date Analyzed: 2003 Prep Batch: 1886 Date Prepared: 2003

lytical Method: S 8015B Prep Method: S 5030B e Analyzed: 2003-06-02 Analyzed By: CG Prepared: 2003-06-02 Prepared By: CG

RLParameter Flag Result Units Dilution RLGRO < 0.100 mg/L 0.100 Percent Spike Recovery Recovery Surrogate Flag Result Units Dilution Amount Limits Trifluorotoluene (TFT) 0.0994 0.100 99 73 - 120 mg/L 1 4-Bromofluorobenzene (4-BFB) 0.104 0.100 104 78 - 120 mg/L 1

#### Sample: 8710 - Westbrook Oil

Analysis: BTEX Analytical Method: S 8021B
QC Batch: 1958 Date Analyzed: 2003-06-02
Prep Batch: 1772 Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLParameter Flag Result Units Dilution RLBenzene < 0.00100 mg/L 1 0.00100 Toluene < 0.00100 1 0.00100mg/L 1 Ethylbenzene < 0.00100 0.00100 mg/L Xylene (isomers) < 0.00100 mg/L1 0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0879	mg/L	1	0.100	88 .	78.7 - 110
4-Bromofluorobenzene (4-BFB)	•	0.0866	mg/L	1	0.100	87	77.8 - 110

#### Sample: 8710 - Westbrook Oil

Analysis: Chloride (IC) Analytical Method: E 300.0 QC Batch: 1945 Date Analyzed: 2003-06-03 Prep Batch: 1761 Date Prepared: 2003-06-02

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Work Order: 3060203 Windmill Oil Page Number: 15 of 36 Windmill Oil

#### Sample: 8710 - Westbrook Oil

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A · Analyzed By: BP Prepared By: WG

Parameter	Fla	ď	RL Result	Uni		Dilution	RL
DRO	riag		<5.00	mg/		0.1	50.0
			1		Spike	Percent	Recovery
Surrogate	$\mathbf{Flag}$	Result	$\mathbf{Units}$	Dilution	Amount	Recovery	Limits
n-Triacontane		15.9	mg/L	0.1	150	106	83 - 174

#### Sample: 8710 - Westbrook Oil

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886 Analytical Method: S 8015B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

ı İ			RL					
Parameter	Flag		Result		Units	Di	lution	RL
GRO			< 0.100		${ m mg/L}$		1	0.100
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.106	mg/L	1	0.100	106	73 - 120

mg/L

1

Sample	9711	TT	Inglecon

4-Bromofluorobenzene (4-BFB)

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772 Analytical Method: S 8021B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

0.110

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

78 - 120

110

0.100

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene	1	< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	$\mathrm{mg/L}$	1	0.00100

					$\operatorname{Spike}$	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0878	mg/L	1	0.100	88	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0864	mg/L	1	0.100	- 86	77.8 - 110

#### Sample: 8711 - JT Jackson

Analysis: Chloride (IC) QC Batch: 1945 Prep Batch: 1761 Analytical Method: E 300.0
Date Analyzed: 2003-06-03
Date Prepared: 2003-06-02

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

Work Order: 3060203 Windmill Oil Page Number: 16 of 36 Windmill Oil

D- +	T)	RL	**	D:1 - (*	DI
Parameter	Flag	Result	${f Units}$	Dilution	KL
Chloride		378	m mg/L	10	0.500

#### Sample: 8711 - JT Jackson

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

Parameter	Flag		RL Result	Uni	ts	Dilution	RL
DRO			< 5.00	mg/	L	0.1	50.0
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	<u> </u>	16.5	mg/L	0.1	150	110	83 - 174

#### Sample: 8711 - JT Jackson

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886 Analytical Method: S 8015B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

· · · .	** **	RL				e ·	
Parameter Flag		Result	,	Units	Dil	ution	RL
GRO		< 0.100		m mg/L		1	0.100
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	73 - 120
4-Bromoflyorobenzene (4-BFR)		0.109	mg/L	1	0.100	109	78 - 120

#### Sample: 8712 - Gary Jones

Analysis: BTEX
QC Batch: 1958
Prep Batch: 1772

Analytical Method: S 8021B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL			
Parameter	$\operatorname{Flag}$	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	· 1·	0.00100
Ethylbenzene		< 0.00100	m mg/L	1.	0.00100
Xylene (isomers)		< 0.00100	${ m mg/L}$	1	0.00100
					_

		1			Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0861	mg/L	1	0.100	86	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0851	mg/L	1	0.100	85	77.8 - 110

Work Order: 3060203 Windmill Oil

Page Number: 17 of 36 Windmill Oil

Sample: 8712 - Gary Jones

Analysis: Chloride (IC) QC Batch: 1945

Prep Batch: 1761

Analytical Method: E 300.0 Date Analyzed: Date Prepared:

2003-06-03 2003-06-02 Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

RL

Parameter	Flag	Result	Units	Dilution	RL
Chloride		90.6	mg/L	5	0.500

#### Sample: 8712 - Gary Jones

TPH DRO Analysis: QC Batch: 2135 Prep Batch: 1923

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared. 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

RL

RL

Parameter	$\operatorname{Flag}$	Result	Units	Dilution	RL
DRO		< 5.00	mg/L	0.1	50.0

I					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		16.0	$\mathrm{mg/L}$	0.1	150	107	83 - 174

#### Sample: 8712 - Gary Jones

TPH GRO Analysis: QC Batch: 2086 Prep Batch: 1886

Analytical Method: S 8015B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	73 - 120
4-Bromofluorobenzene (4-BFB)		0.108	${ m mg/L}$	1	0.100	108	78 - 120

#### Sample: 8713 - Dennis Wilks

Analysis: **BTEX** QC Batch: 1958 Prep Batch: 1772

Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02 Prep Method: S 5030B Analyzed By: CGPrepared By: CG

		$\mathbf{RL}$			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	m mg/L	1	0.00100
Xylene (isomers)		< 0.00100	m mg/L	1	0.00100

Work Order: 3060203 Windmill Oil Page Number: 18 of 36 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0871	mg/L	1	0.100	87	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0857	m mg/L	1	0.100	. 86	77.8 - 110

#### Sample: 8713 - Dennis Wilks

Analysis: Chloride (IC) QC Batch: 1945 Prep Batch: 1761 Analytical Method: E 300.0
Date Analyzed: 2003-06-03
Date Prepared: 2003-06-02

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

		RL	·		
Parameter	Flag	Result	Units	Dilution	RL
Chloride		130	mg/L	10	0.500

### Sample: 8713 - Dennis Wilks

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

83 - 174

Parameter	Flag	<u></u>	RL Result	. Uni	ts	Dilution	RL
DRO			< 5.00	mg/	L	0.1	50.0
,				2	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits

0.1

150

mg/L

RL

16.1

#### Sample: 8713 - Dennis Wilks

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886

n-Triacontane

Analytical Method: S 8015B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Parameter	Flag	Result		${ m Units}$	Di	lution	RL
GRO		< 0.100		mg/L		1	0.100
Surrogate	Flag	$\operatorname{Result}$	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	73 - 120
4-Bromofluorobenzene (4-E	BFB)	0.108	mg/L	1	0.100	108	78 - 120

## Sample: 8714 - John Ivory

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772 Analytical Method: S 8021B
Date Analyzed: 2003-06-02
Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Work Order: 3060203 Windmill Oil

Page Number: 19 of 36 Windmill Oil

Parameter	ធា	ag	F. Resu	RL ult	Units		Dilution	RL
Benzene	T: 1	ag	< 0.001		mg/L			0.00100
Toluene			< 0.001				1	0.00100
Ethylbenzene			< 0.001		mg/L		1	0.00100
Xylene (isome	are)		< 0.001		mg/L		1	
Aylene (Isome	=15)		<u> </u>		mg/L		1	0.00100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount		Limits
Trifluorotolue	no (TET)	Tiag	0.0801	mg/L	1	0.100	80	78.7 - 110
	obenzene (4-BFB)		0.0301 $0.0792$	mg/L	1	0.100	79	77.8 - 110
T Dromondore	Sociacite (4-DI-D)		0.9132	mg/ n	1	0.100		11.0 - 110
Sample: 871	4 - John Ivory							
A nolycic	Chlorida (IC)		Analutic	al Mathad	1. E 200 0		Dron Mot	had. N/A
Analysis: QC Batch:	Chloride (IC) 1945		Date An	al Method	1: E 300.0 2003-06-0	2	Prep Met	,
-				-		=	Analyzed	
Prep Batch:	1761		Date Pr	epared:	2003-06-0	2	Prepared	By: JSW
			$^{\circ}$ RL	,				
Parameter	Flag		Result		Units	•	Dilution	RI
Chloride	riag		147				10	0.500
Omoride	· · · ·		147		mg/L		10	0.300
			:					
			į					
Sample: 871	4 - John Ivory		!					
-				36.3	)		D 34	1 1 37/4
Analysis:	TPH DRO		Analytical		Mod. 8015E	3	Prep Met	
QC Batch:	2135		Date Anal		2003-06-04		Analyzed	•
Prep Batch:	1923		Date Prep	ared:	2003-06-03		Prepared	By: WG
			RL					
Parameter	T71				TT:4-		Dilution	DI
	Flag		Result	·	Units			RI
DRO	· · · · · · · · · · · · · · · · · · ·		< 5.00		mg/L	<del></del>	0.1	50.0
			i			Spike	Percent	Recovery
Surrogate	Flor	Result	Units	D:1-	ution	Amount	Recovery	Limits
n-Triacontane	Flag	15.8	··········			150	105	
n-1riacontane	)	15.8	mg/L		0.1	150	109	83 - 174
			4		,			
			1					
			· · · · · · · · · · · · · · · · · · ·					
Sample: 871	4 - John Ivory		.					•
_	4 - John Ivory							
Analysis:	4 - John Ivory TPH GRO		Analytical		S 8015B		Prep Method	
Analysis:	_		Analytical Date Analy		S 8015B 2003-06-02		Analyzed By	: CG
Analysis: QC Batch:	TPH GRO			zed:				: CG
Analysis: QC Batch:	TPH GRO 2086		Date Analy Date Prepa	zed:	2003-06-02		Analyzed By	: CG
Analysis: QC Batch: Prep Batch:	TPH GRO 2086 1886		Date Analy Date Prepa	zed:	2003-06-02 2003-06-02		Analyzed By Prepared By	: CG : CG
Analysis: QC Batch: Prep Batch: Parameter	TPH GRO 2086		Date Analy Date Prepa RL Result	zed:	2003-06-02 2003-06-02 Units		Analyzed By	: CG : CG RI
Analysis: QC Batch: Prep Batch: Parameter	TPH GRO 2086 1886		Date Analy Date Prepa	zed:	2003-06-02 2003-06-02		Analyzed By Prepared By	: CG : CG RI
Analysis: QC Batch: Prep Batch: Parameter	TPH GRO 2086 1886		Date Analy Date Prepa RL Result	zed: red:	2003-06-02 2003-06-02 Units		Analyzed By Prepared By  Dilution	: CG : CG RI 0.100
Analysis: QC Batch: Prep Batch: Parameter GRO	TPH GRO 2086 1886		Date Analy Date Prepa RL Result <0.100	zed: .red:	2003-06-02 2003-06-02 Units mg/L	Spike	Analyzed By Prepared By  Dilution  1  Percent	CG: CG: RI 0.100
Analysis: QC Batch: Prep Batch:  Parameter GRO  Surrogate	TPH GRO 2086 1886 Flag	Flag	Date Analy Date Prepa RL Result <0.100 Result	zed: red:	2003-06-02 2003-06-02 Units		Analyzed By Prepared By  Dilution  1  Percent Recovery	CG CG RL 0.100 Recovery
Analysis: QC Batch: Prep Batch: Parameter GRO	TPH GRO 2086 1886 Flag	Flag	Date Analy Date Prepa RL Result <0.100	zed: .red:	2003-06-02 2003-06-02 Units mg/L	Spike	Analyzed By Prepared By  Dilution  1  Percent	CG: CG: RI 0.100

Work Order: 3060203 Windmill Oil

Page Number: 20 of 36 Windmill Oil

#### Sample: 8715 - D Dixon

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772

Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		100	
arameter	Flag	Result	
Benzene		< 0.00100	

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	m mg/L	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	mg/L	1	0.00100

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	$_{ m Units}$	$\operatorname{Dilution}$	$\cdot$ Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0858	mg/L	1	0.100	86	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0822	mg/L	1	0.100	82	77.8 - 110

#### Sample: 8715 - D Dixon

Analysis: Chloride (IC) QC Batch: 1945 Prep Batch: 1761

Analytical Method: E 300.0 Date Analyzed: 2003-06-03 Date Prepared: 2003-06-02

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

		PI			
Parameter	Flag	Result	Units	Dilution '	RL
Chloride		124	mg/t	5	0.500

#### Sample: 8715 - D Dixon

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	mg/L	0.1	50.0

	,				Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		15.7	${ m mg/L}$	0.1	150	105	83 - 174

#### Sample: 8715 - D Dixon

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886

Analytical Method: S 8015B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

Prep Method: S 5030B CG Analyzed By: Prepared By: CG

•		RL			
Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	m mg/L	1	0.100

Work Order: 3060203 Windmill Oil Page Number: 21 of 36 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	·	0.103	mg/L	1	0.100	103	73 - 120
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	78 - 120

#### Sample: 8716 - Cindy Selman

Analysis: BTEX QC Batch: 1958 Prep Batch: 1772 Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

RL Parameter Flag Result Dilution Units RLBenzene < 0.00100 mg/L 1 0.00100 Toluene 1 < 0.00100 mg/L0.00100Ethylbenzene < 0.00100 mg/L1 0.00100 Xylene (isomers) < 0.00100 mg/L 1 0.00100

					$\operatorname{Spike}$	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0877	mg/L	1	0.100	88	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0847	${ m mg/L}$	1	0.100	85	77.8 - 110

#### Sample: 8716 - Cindy Selman

Analysis: Chloride (IC) QC Batch: 1945 Prep Batch: 1761 Analytical Method: E 300.0
Date Analyzed: 2003-06-03
Date Prepared: 2003-06-02

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

#### Sample: 8716 - Cindy Selman

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03 Prep Method: N/A Analyzed By: BP Prepared By: WG

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		15.6	${ m mg/L}$	0.1	150	104	83 - 174

#### Sample: 8716 - Cindy Selman

Analysis: TPH QC Batch: 2086

TPH GRO

Analytical Method: S 8015B Date Analyzed: 2003-06-02 Prep Method: S 5030B Analyzed By: CG

n-Triacontane

Work Order: 3060203 Windmill Oil

Page Number: 22 of 36 Windmill Oil

83 - 174

107

					<u> </u>	·	<del></del>	
Prep Batch:	1886		Date Prepar	red:	2003-06-02		Prepared By:	CG
			· RL					
Parameter	Flag		Result		Units	Ι	Dilution	RL
GRO			< 0.100		mg/L		1	0.100
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotolue	ene (TFT)	1 105	0.106	mg/L	1	0.100	106	73 - 120
	obenzene (4-BFB)		0.107	mg/L	1	0.100	107	78 - 120
						· · · · · ·	7	
Sample: 87	17 - Joye Dobbs							
Analysis:	BTEX		Analytical Me	thod: S	8021B		Prep Method	S 5030B
QC Batch:	1958		Date Analyzed		003-06-02		Analyzed By:	
Prep Batch:	1772		Date Prepared		003-06-02		Prepared By:	
			ъ	: <b>T</b>			æ	
Parameter	Fla	σ	R Resu		Units	Т	ilution	RL
Benzene	Fla	6	< 0.0010		mg/L	, L	1	0.00100
Toluene			0.0010		$\frac{\mathrm{mg}/\mathrm{L}}{\mathrm{mg}/\mathrm{L}}$		1	0.00100
Ethylbenzene	<b>;</b>		< 0.0010		mg/L		1	0.00100
Xylene (isom			< 0.0010	00	$_{ m mg/L}$		1	0.00100
						Cmileo	Percent	Danassans
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Recovery	Recovery Limits
Trifluorotolue	ene (TFT)	1 105	0.0878	mg/L	1	0.100	88	78.7 - 110
	obenzene (4-BFB)		0.0857	mg/L	1	0.100	86 .	77.8 - 110
Sample: 87	17 - Joye Dobbs						·	•
Analysis:	Chloride (IC)		Analytic	al Method	l: E 300.0		Prep Metl	nod: N/A
QC Batch:	1945		Date An		2003-06-0	3	Analyzed	•
Prep Batch:	1761		Date Pre	epared:	2003-06-03	2	Prepared	By: JSW
	•		RL					
Parameter	Flag		Result		Units	Γ	ilution	RL
Chloride			61.3		mg/L		5	0.500
Sample: 87	17 - Joye Dobbs	٠		,				
Analysis:	TPH DRO		Analytical	Method:	Mod. 8015E	1	Prep Met	hod: N/A
QC Batch:	2135		Date Analy		2003-06-04		Analyzed	
Prep Batch:	1923		Date Prepa	ared:	2003-06-03		Prepared	By: WG
<b>.</b>			RL		<b>.</b>		D.1	<b></b>
Parameter	Flag		Result		Units		Dilution	RL
DRO	*=*3*		< 5.00	<del> </del>	mg/L		0.1	50.0
Cuma	D1	Danile	Units	יים	ıtion	Spike	Percent	Recovery Limits
Surrogate n-Triacontane	Flag	Result	Units mg/L		ition .	Amount 150	Recovery 107	83 - 174
$\mathbf{n}$ = $\mathbf{n}$ $\mathbf{n}$ $\mathbf{n}$ $\mathbf{n}$ $\mathbf{n}$ $\mathbf{n}$ $\mathbf{n}$	<del></del>	10.1	(11971)	()	. I	1 ( ) ( )	101	00 - 114

mg/L

16.1

0.1

150

Work Order: 3060203 Windmill Oil

Page Number: 23 of 36 Windmill Oil

#### Sample: 8717 - Joye Dobbs

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886

Analytical Method: S 8015B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RL

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	73 - 120
4-Bromofluorobenzene (4-BFB)		0.110	m mg/L	1	0.100	110	78 - 120

#### Sample: 8718 - Raymond Stone

Analysis: **BTEX** QC Batch: 1958 Prep Batch: 1772

Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

RL

S 5030B Prep Method: CG Analyzed By: Prepared By: CG

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	$\mathrm{mg/L}$	. 1	0.00100
Ethylbenzene		< 0.00100	m mg/L	1 ′	0.00100
Xylene (isomers)		<0.00100	mg/L	1	0.00100

					Spike	Percent	$\operatorname{Recovery}$
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0872	mg/L	1	0.100	87	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0846	mg/L	1	0.100	85	77.8 - 110

#### Sample: 8718 - Raymond Stone

Analysis: Chloride (IC) QC Batch: 2011 Prep Batch: 1801

Analytical Method: E 300.0 Date Analyzed: 2003-06-05 Date Prepared: 2003-06-04 Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

рī

Parameter .	$\operatorname{Flag}$	Result	Units	Dilution	RL
Chloride		226	${ m mg/L}$	10	0.500

#### Sample: 8718 - Raymond Stone

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BP Prepared By: WG

RLRLResult Units Dilution Parameter Flag 50.0 0.1 DRO < 5.00 mg/L

Work Order: 3060203 Windmill Oil Page Number: 24 of 36 Windmill Oil

Spike Percent Recovery Surrogate Flag Result Units Dilution · Amount Recovery Limits n-Triacontane 16.2 mg/L 0.1 150 108 83 - 174

#### Sample: 8718 - Raymond Stone

Analysis: TPH GRO QC Batch: 2086 Prep Batch: 1886 Analytical Method: S 8015B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

 RL

 Parameter
 Flag
 Result
 Units
 Dilution
 RL

 GRO
 <0.100</td>
 mg/L
 1
 0.100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	-	0.104	mg/L	1	0.100	104	73 - 120
4-Bromofluorobenzene (4-BFB)		0.107	${ m mg/L}$	1	0.100	107	78 - 120

#### Sample: 8719 - CD Slaughter

Analysis: BTEX QC Batch: 1954 Prep Batch: 1769 Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RL Flag Parameter Result Units Dilution RLBenzene 1 0.00100 < 0.00100 mg/L 1 Toluene < 0.00100 mg/L 0.00100 0.00100 Ethylbenzene 1 < 0.00100 mg/L 1 0.00100 Xylene (isomers) < 0.00100 mg/L

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	61 - 127
4-Bromofluorobenzene (4-BFB)		0.0990	${ m mg/L}$	1	0.100	99	72.6 - 130

#### Sample: 8719 - CD Slaughter

Analysis: Chloride (IC) QC Batch: 2011 Prep Batch: 1801 Analytical Method: E 300.0 Date Analyzed: 2003-06-05 Date Prepared: 2003-06-04

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

#### Sample: 8719 - CD Slaughter

Analysis: TPH DRO QC Batch: 2135 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Prep Method: N/A Analyzed By: BP

Work Order: 3060203 Windmill Oil Page Number: 25 of 36 Windmill Oil

Prep Batch: 1923

Date Prepared:

2003-06-03

Prepared By: WG

RL

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		16.4	$\mathrm{mg/L}$	0.1	150	109	83 - 174

#### Sample: 8719 - CD Slaughter

Analysis: TPH GRO QC Batch: 2140 Prep Batch: 1925 Analytical Method: S 8015B Date Analyzed: 2003-06-09

RL

Date Prepared:

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	, 1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	73 - 120
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	78 - 120

#### Sample: 8720 - Taylor

Analysis: BTEX QC Batch: 1954 Prep Batch: 1769 Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RL

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	. 1	0.00100
Toluene		< 0.00100	$\cdot$ mg/L	1 .	0.00100
Ethylbenzene		< 0.00100	$_{ m mg/L}$	1	0.00100
Xylene (isomers)		< 0.00100	$\mathrm{mg/L}$	1	0.00100

j		•			Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits .
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	61 - 127
4-Bromofluorobenzene (4-BFB)		0.101	${ m mg/L}$	1	0.100	101	72.6 - 130

#### Sample: 8720 - Taylor

Analysis: Chloride (IC)
QC Batch: 2011
Prep Batch: 1801

Analytical Method: E 300.0
Date Analyzed: 2003-06-05
Date Prepared: 2003-06-04

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

RL

Parameter	$\operatorname{Flag}$	$\operatorname{Result}$	Units	Dilution	RL
Chloride		248	$\mathrm{mg/L}$	10	0.500

Work Order: 3060203 Windmill Oil Page Number: 26 of 36 Windmill Oil

#### Sample: 8720 - Taylor

Analysis: TPH DRO QC Batch: 2135 Prep Batch: 1923 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03 Prep Method: N/A Analyzed By: BP Prepared By: WG

#### RL

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	m mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		16.1	mg/L	0.1	150	107	83 - 174

#### Sample: 8720 - Taylor

Analysis: TPH GRO QC Batch: 2140 Prep Batch: 1925 Analytical Method: S 8015B
Date Analyzed: 2003-06-09
Date Prepared: 2003-06-09

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

# RL arameter Flag Result

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	$\mathrm{mg/L}$	1	0.100

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	$\mathbf{Units}$	Dilution	$\mathbf{Amount}$	Recovery	Limits
Trifluorotoluene (TFT)		0.103	mg/L	1	0.100	103	73 - 120
4-Bromofluorobenzene (4-BFB)		0.0946	${ m mg/L}$	1	0.100	95	78 - 120

#### Sample: 8721 - Jim Collins

Analysis: BTEX QC Batch: 1954 Prep Batch: 1769 Analytical Method: S 8021B Date Analyzed: 2003-06-02 Date Prepared: 2003-06-02

RL

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Parameter	$\operatorname{Flag}$	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	$\mathrm{mg/L}$	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	61 - 127
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	72.6 - 130

#### Sample: 8721 - Jim Collins

Analysis: Chloride (IC)
QC Batch: 2011
Prep Batch: 1801

Analytical Method: E 300.0
Date Analyzed: 2003-06-05
Date Prepared: 2003-06-04

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

Work Order: 3060203 Windmill Oil

Page Number: 27 of 36 Windmill Oil

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		60.7	m mg/L	5	0.500

#### Sample: 8721 - Jim Collins

TPH DRO Analysis: QC Batch: 2135 Prep Batch: 1923

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-04 Date Prepared: 2003-06-03

Prep Method: N/A Analyzed By: BPPrepared By: WG

RLResult Dilution RLParameter Flag Units DRO < 5.00 mg/L 0.1 50.0

		•			Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		15.7	mg/L	0.1	150	105	83 - 174

#### Sample: 8721 - Jim Collins

Analysis: TPH GRO QC Batch: 2140 Prep Batch: 1925

Analytical Method: S 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-09

Prep Method: S 5030B Analyzed By: CGPrepared By: CG

	* = * * *	RL		<del>778</del> 342-€2 (3.3)	
Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

				,	$\operatorname{Spike}$	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	73 - 120
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	. 1	0.100	106	78 - 120

#### Method Blank (1) QC Batch: 1944

Parameter	!	Flag	Result	Units	RL
Chloride			< 0.500	mg/L	0.5

#### Method Blank (1) QC Batch: 1945

Parameter	$\operatorname{Flag}$	Result	Units	RL
Chloride		< 0.500	m mg/L	0.5

Method Blank (1) QC Batch: 1954 Work Order: 3060203 Windmill Oil Page Number: 28 of 36 Windmill Oil

Parameter	Flag	Result	Units	RL
Benzene		< 0.00100	mg/L	0.001
Toluene		< 0.00100	mg/L	0.001
Ethylbenzene		< 0.00100	${ m mg/L}$	0.001
Xylene (isomers)		< 0.00100	mg/L	0.001

•					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0903	mg/L	1	0.100	. 90	61 - 127
4-Bromofluorobenzene (4-BFB)		0.0848	mg/L	1	0.100	85	72.6 - 130

Method Blank (1) QC Batch: 1958

Parameter	Flag Result		Units	RL
Benzene		< 0.00100	mg/L	0.001
Toluene		< 0.00100	${ m mg/L}$	0.001
Ethylbenzene		< 0.00100	${ m mg/L}$	0.001
Xylene (isomers)		< 0.00100	mg/L	0.001

•					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	3	0.0752	mg/L	1	0.100	75	78.7 - 110
4-Bromofluorobenzene (4-BFB)	4	0.0725	$\mathrm{mg}/\mathrm{L}$	1	0.100	72	77.8 - 110

Method Blank (1) QC Batch: 2011

Parameter	Flag	Result	Units	RL
Chloride		< 0.500	mg/L	0.5

Method Blank (1) QC Batch: 2086

Parameter	Flag		Result		Unit	S	RL
GRO		· · · · · · · · · · · · · · · · · · ·	< 0.100		mg/l	<u> </u>	0.1
Cumpo ast s	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Surrogate	riag			Dilution			
Trifluorotoluene (TFT)		0.0857	${ m mg/L}$	1	0.100	86	73 - 120
4-Bromofluorobenzene (4-BFB)		0.0822	m mg/L	1	0.100	82	78 - 120

Method Blank (1) QC Batch: 2135

 $<sup>^3\</sup>mathrm{Low}$  surrogate recovery due to prep. ICV, CCV show the method to be in control.

<sup>&</sup>lt;sup>4</sup>Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060203 Windmill Oil Page Number: 29 of 36 · Windmill Oil

Parameter Flag			Result	Ţ	Units			
DRO				< 5.00	r	ng/L	50	
					Spike	Percent	Recovery	
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits	
n-Triacontane		17.7	mg/L	0.1	150	118	83 - 174	

Method Blank (2)

QC Batch: 2135

Parameter	Flag		Result			Units		
DRO				< 5.00	n	mg/L		
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits	
n-Triacontane		17.5	mg/L	0.1	150	117	83 - 174	

Method Blank (1)

QC Batch: 2140

Parameter	Flag		Result		· Unit	RL	
GRO			< 0.100		mg/l	L ,	0.1
		. **			Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	73 - 120
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1 .	0.100	102	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 1944

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	13.1	13.1	m mg/L	1	12.5	<1.49	105	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 1945

<b>~</b>	LCS	LCSD	<b>77</b> •	~	Spike	Matrix		חחח	Rec.	RPD
Param	Result	$\mathbf{Result}$	${\tt Units}$	Dil.	$\mathbf{Amount}$	$\operatorname{Result}$	Rec.	RPD	Limit	Limit
Chloride	13.2	12.8	mg/L	1	12.5	<1.49	106	3	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 1954

continued ...

Work Order: 3060203 Windmill Oil Page Number: 30 of 36 Windmill Oil

control spikes continued ...

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Benzene	0.109	0.110	mg/L	1	0.100	< 0.000350	109	0	77.7 - 115	20
Benzene	0.109	0.110	mg/L	1	0.100	< 0.000350	109	0	77.7 - 115	20
Toluene	0.110	0.111	mg/L	1	0.100	< 0.000550	110	1	76.5 - 114	20
Toluene	0.110	0.111	mg/L	1	0.100	< 0.000550	110	1	76.5 - 114	20
Ethylbenzene	0.110	0.112	mg/L	1	0.100	< 0.000690	110	1	78.7 - 112	20
Ethylbenzene	0.110	0.112	mg/L	1	0.100	< 0.000690	110	1 ·	78.7 - 112	20
Xylene (isomers)	0.324	0.327	mg/L	1	0.300	< 0.00183	108	1	66.3 - 123	20
Xylene (isomers)	0.324	0.327	mg/L	1	0.300	< 0.00183	108	1	66.3 - 123	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.0924	0.0999	mg/L	1	0.100	92	100	61 - 127
Trifluorotoluene (TFT)	0.0924	0.0999	mg/L	1	0.100	92	100	61 - 127
4-Bromofluorobenzene (4-BFB)	0.0925	0.0998	${ m mg/L}$	. 1	0.100	92	100	72.6 - 130
4-Bromofluorobenzene (4-BFB)	0.0925	0.0998	${ m mg/L}$	1	0.100	92	100	72.6 - 130

Laboratory Control Spike (LCS-1) QC Batch: 1958

	LCS	LCSD			Spike	Matrix	•		Rec.	RPD ·
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Benzene	0.0892	0.0819	mg/L	1	0.100	< 0.000410	89	8	80.5 - 113	20
Toluene	0.0898	0.0831	mg/L	1	0.100	< 0.000760	90	8	81.2 - 112	20
Ethylbenzene	0.0901	0.0830	mg/L	1	0.100	< 0.00120	90	8	82.2 - 112	20
Xylene (isomers)	0.272	0.251	mg/L	1	0.300	< 0.00183	91	8	80.6 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

		LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate		Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	56	0.0729	0.0705	mg/L	1	0.100	73	70	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0775	0.0781	mg/L	1	0.100	78	78	77.8 - 110

Laboratory Control Spike (LCS-1) QC Batch: 2011

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	13.1	11.7	mg/L	1	12.5	<1.49	105	11	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 2086

 $continued \dots$ 

<sup>&</sup>lt;sup>5</sup>Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

<sup>&</sup>lt;sup>6</sup>Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060203 Windmill Oil Page Number: 31 of 36 Windmill Oil

_		_		
control	snikes	continued		

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	1.02	0.862	mg/L	1	1.00	< 0.0261	102	17	78.1 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

		LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate		Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	7	0.0831	0.0702	mg/L	1	0.100	83	. 70	73 - 120
4-Bromofluorobenzene (4-BFB)	8	0.0879	0.0732	mg/L	1	0.100	88	73	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 2135

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
DRO	28.2	30.8	mg/L	0.1	250	< 0.190	113	9	68.5 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	$_{ m Limit}$
n-Triacontane	17.2	18.8	mg/L	0.1	150	115	125	83 - 174

Laboratory Control Spike (LCS-2)

QC Batch: 2135

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	28.7	27.5	mg/L	0.1	250	< 0.190	115	4	68.5 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD		ř	Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	$_{ m Limit}$
n-Triacontane	174	16.9	mg/L	0.1	150	116	113	83 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 2140

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
GRO	0.974	0.840	mg/L	1	1.00	< 0.0261	97	15	78.1 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.107	0.0997	mg/L	1	0.100	107	100	73 - 120
4-Bromofluorobenzene (4-BFB)	0.108	0.111	${ m mg/L}$	1	0.100	108	111	78 - 120

Matrix Spike (MS-1)

QC Batch: 1944

<sup>&</sup>lt;sup>7</sup>Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

<sup>&</sup>lt;sup>8</sup>Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060203 Windmill Oil

Page Number: 32 of 36 Windmill Oil

Param	$rac{ ext{MS}}{ ext{Result}}$	$ootnotesize  ext{MSD}$ Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	$egin{array}{c}  ext{RPD} \  ext{Limit} \end{array}$
Chloride	166	166	mg/L		12.5	110	90	0	32.7 - 136	20

Matrix Spike (MS-1)

QC Batch: 1945

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	${f Amount}$	Result	$\operatorname{Rec}$ .	RPD '	${f Limit}$	Limit
Chloride	123	123	mg/L	5.	12.5	61.3	99	0.	32.7 - 136	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1)

QC Batch: 2011

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	${f Amount}$	Result	Rec.	RPD	Limit	Limit
Chloride	2520	2530	mg/L	100	12.5	1370	92	0	32.7 - 136	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 1944

			CCVs True	$\begin{array}{c} \text{CCVs} \\ \text{Found} \end{array}$	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	$\operatorname{Limits}$	Analyzed
Chloride		mg/L	12.5	12.5	100	90 - 110	2003-06-03

Standard (CCV-1)

QC Batch: 1944

•			CCVs	= CCVs	CCVs	Percent	
•			$\operatorname{True}$	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/L	12.5	13.3	106	90 - 110	2003-06-03

Standard (ICV-1)

QC Batch: 1945

		•	CCVs	CCVs	CCVs	Percent	•
		•	True	Found	Percent	Recovery	Date
Param	$\operatorname{Flag}$	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/L	12.5	13.3	106	90 - 110	2003-06-03

Standard (CCV-1)

QC Batch: 1945

			CCVs	CCVs	CCVs	Percent.	
			True	Found	Percent	Recovery	Date
Param	$\operatorname{Flag}$	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/L	12.5	13.6	109	90 - 110	2003-06-03

Standard (CCV-1)

QC Batch: 1954

Document #03-199-00	00605		W		Windmill Oil		
			CCT	OCT.	OCT.	D	
			CCVs	CCVs	CCVs	Percent	Data
Da ma ma	Ela er	IInita	True	Found Conc.	Percent	Recovery	Date
Param	Flag	Units	Conc.		Recovery	Limits	Analyzed 2003-06-02
Benzene T-1		mg/L	0.100	0.108	108	85 - 115	
Toluene		mg/L	0.100	0.109	109	85 - 115	2003-06-02
Ethylbenzene	•	mg/L	0.100	0.109	109	85 - 115	2003-06-02
Xylene (isomers)	1	mg/L	0.300	0.320	107	85 - 115	2003-06-02
Standard (CCV-2)	QC B	atch: 1954					
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene	1 1006	mg/L	0.100	0.106	106	85 - 115	2003-06-02
Toluene	9	mg/L	0.100	0.116	116	85 - 115	2003-06-02
Ethylbenzene		mg/L	0.100	0.108	108	85 - 115	2003-06-02
Xylene (isomers)		mg/L	0.300	0.305	102	85 - 115	2003-06-02
12) tene (Bomers)	<u></u>		0.000	0.000		00 220	
Standard (ICV-1)	QC Ba	tch: 1958			•	:	
,			CCVs	CCVs .	CCVs	Percent	
		•	True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/L	0.100	0.0896	90	85 - 115	2003-06-02
Toluene		m mg/L	0.100	0.0900	90	85 - 115	2003-06-02
Ethylbenzene		m mg/L	0.100	0.0902	90	85 - 115	2003-06-02
Xylene (isomers)		mg/L	0.300	0.272	91	85 - 115	2003-06-02
Standard (CCV-1)	OC B	atch: 1958					
bundard (CCV-1)	& D						
			$\operatorname{CCVs}$	$\mathrm{CCVs}$	CCVs	$\operatorname{Percent}$	
			True	Found	Percent	Recovery	$\operatorname{Date}$
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		$\mathrm{mg/L}$	0.100	0.0884	88	85 - 115	2003-06-02
Toluene		$\mathrm{mg}/\mathrm{L}$	0.100	0.0891	89	85 - 115	2003-06-02
Ethylbenzene		${ m mg/L}$	0.100	0.0894	89	85 - 115	2003-06-02
Xylene (isomers)		mg/L	0.300	0.270	90	85 - 115	2003-06-02
Standard (CCV-2)	DC B	atch: 1958					
	ų- <u>-</u>		CCVs	CCVs	CCVs	Percent	
				Found	Percent	Recovery	Date
Daram	Elå.	Units	True			Limits	Analyzed
Param	Flag		Conc.	Conc.	Recovery		2003-06-02
Benzene		mg/L	0.100	0.0899	90	85 - 115	
Toluene		mg/L	0.100	0.0907	91	85 - 115 85 - 115	2003-06-02
Ethylbenzene		mg/L	0.100	0.0903	90	85 - 115	2003-06-02
Xylene (isomers)		${ m mg/L}$	0.300	0.272	91	85 - 115	2003-06-02

Standard (ICV-1) QC Batch: 2011

<sup>&</sup>lt;sup>9</sup>Average of CCV components within acceptable range.

Work Order: 3060203 Windmill Oil Page Number: 34 of 36 Windmill Oil

Found I		Percent Recovery Limits	Date Analyzed
11.5	92	90 - 110	2003-06-05
CCVs	CCVs	Percent	
Found I	Percent	Recovery	Date
Conc. R	ecovery	Limits	Analyzed
11.6	93	90 - 110	2003-06-05
CCVs	CCVs	Percent	
		Recovery	Date
Conc. Re	ecovery	Limits	Analyzed
1.02	102	85 - 115	2003-06-02
	Spike	Percent	Recovery
Inits Dilutio			Limit
		<u> </u>	73 - 120
ng/L 1	0.100	88	78 - 120
ng/L 1	0.100	, 88	78 - 120
ng/L 1	0.100		
: -	0.100		
: · · · · · · · · · · · · · · · · · · ·	CCVs	,	
CCVs Cound F	CCVs	Percent	Tid stypt diver≟ki, by,
CCVs Cound F	CCVs Percent	Percent Recovery	Date Analyzed
CCVs Cound F	CCVs Percent ecovery 102	Percent Recovery Limits 85 - 115	Date Analyzed 2003-06-02
CCVs Found F Conc. R 1.02	CCVs Percent ecovery 102 Spike	Percent Recovery Limits	Date Analyzed
CCVs Found F Conc. R 1.02 Units Dilution	CCVs Percent ecovery 102 Spike	Percent Recovery Limits 85 - 115 Percent	Date Analyzed 2003-06-02 Recovery
CCVs Found F Conc. R 1.02  Units Dilutiong/L 1	CCVs Percent ecovery 102 Spike on Amount	Percent Recovery Limits 85 - 115  Percent Recovery	Date Analyzed 2003-06-02 Recovery Limit
CCVs Cound F Conc. R 1.02  Units Dilutiong/L 1	CCVs Percent ecovery 102 Spike on Amount 0.100	Percent Recovery Limits 85 - 115  Percent Recovery 80	Date Analyzed 2003-06-02  Recovery Limit 73 - 120
CCVs Found F Conc. R 1.02  Units Dilutiong/L 1	CCVs Percent ecovery 102 Spike on Amount 0.100	Percent Recovery Limits 85 - 115  Percent Recovery 80	Date Analyzed 2003-06-02 Recovery Limit 73 - 120
CCVs Found FConc. R 1.02  Units Dilutiong/L ng/L 1	CCVs Percent ecovery 102 Spike on Amount 0.100	Percent Recovery Limits 85 - 115  Percent Recovery 80	Date Analyzed 2003-06-02  Recovery Limit 73 - 120
CCVs Cound F Conc. R 1.02  Units Dilutiong/L 1 ng/L 1	CCVs Percent ecovery 102 Spike on Amount 0.100 0.100	Percent Recovery Limits 85 - 115  Percent Recovery 80 86	Date Analyzed 2003-06-02  Recovery Limit 73 - 120
CCVs Cound F Conc. R 1.02  Units Dilutiong/L 1 ng/L 1	CCVs Percent ecovery 102 Spike on Amount 0.100 0.100	Percent Recovery Limits 85 - 115  Percent Recovery 80 86	Date Analyzed 2003-06-02 Recovery Limit 73 - 120 78 - 120  Date Analyzed
CCVs Cound F Conc. R 1.02  Units Dilutiong/L 1 ng/L 1	CCVs Percent ecovery 102 Spike Amount 0.100 0.100	Percent Recovery Limits 85 - 115  Percent Recovery 80 86	Date Analyzed 2003-06-02 Recovery Limit 73 - 120 78 - 120  Date Analyzed
CCVs Cound F Conc. R 1.02  Inits Dilutiong/L 1 ng/L 1 CCVs Cound F Conc. R	CCVs Percent ecovery 102  Spike Amount 0.100 0.100  CCVs Percent ecovery 102	Percent Recovery Limits 85 - 115  Percent Recovery 80 86  Percent Recovery Limits 85 - 115	Date Analyzed 2003-06-02 Recovery Limit 73 - 120 78 - 120  Date Analyzed 2003-06-02
CCVs Found F Conc. R 1.02  Units Dilutiong/L 1 ng/L 1 CCVs Found F Conc. R 1.02	CCVs Percent ecovery 102  Spike Amount 0.100 0.100  CCVs Percent ecovery 102  Spike	Percent Recovery Limits 85 - 115  Percent Recovery 80 86  Percent Recovery Limits 85 - 115  Percent	Date Analyzed 2003-06-02 Recovery Limit 73 - 120 78 - 120  Date Analyzed 2003-06-02 Recovery
CCVs Cound F Conc. R 1.02  Inits Dilutiong/L 1 ng/L 1 CCVs Cound F Conc. R	CCVs Percent ecovery 102  Spike Amount 0.100 0.100  CCVs Percent ecovery 102  Spike	Percent Recovery Limits 85 - 115  Percent Recovery 80 86  Percent Recovery Limits 85 - 115  Percent	Date Analyzed 2003-06-02  Recovery Limit 73 - 120 78 - 120  Date Analyzed 2003-06-02
	CCVs Found CCVs Tound Fonc. R T1.6  CCVs Tound Fonc. R T1.6  CCVs Tound Fonc. R T1.02  Inits Dilutiong/L T	Conc.         Recovery           11.5         92           CCVs         CCVs           Found         Percent           Conc.         Recovery           11.6         93    CCVs  CCVs  Ound  Percent  Recovery  1.02  Spike  Units  Dilution  Amount  ng/L  1  0.100	Conc.         Recovery         Limits           11.5         92         90 - 110           CCVs         Percent           Found         Percent         Recovery           Conc.         Recovery         Limits           11.6         93         90 - 110           CCVs         Percent           Cound         Percent         Recovery           Conc.         Recovery         Limits           1.02         102         85 - 115           Voits         Dilution         Amount         Recovery           Ing/L         1         0.100         84

Standard (ICV-1) Q

QC Batch: 2135

Work Order: 3060203 Windmill Oil Page Number: 35 of 36 Windmill Oil

								·
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO	Trag	mg/L	250	276	110		83 - 174	2003-06-04
DIO		mg/L	250		110		09 - 114	2003-00-04
Standard	(CCV-1)	QC Batch: 21	35					
			CCVs	CCVs	CCVs		Percent ·	
			True	Found	Percent		Recovery	Date
Param	$\mathbf{Flag}$	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	290	116		83 - 174	2003-06-04
Standard	(CCV-2)	QC Batch: 21	35				,	
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent	•	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	271	108		83 - 174	2003-06-04
1					4			,
Standard	(ICV-2)	QC Batch: 213	5		•			
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent	, .	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits '	Analyzed
DRO	.*, .* s	mg/L	250	300	120	-8 to 5 to 12.	83 - 174	2003-06-04
			•					
Standard	(CCV-3)	QC Batch: 21	35					
			CCVs	CCVs	CCVs		Percent	
_			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	288	. 115		83 - 174	2003-06-04
Standard	(CCV-4)	QC Batch: 21	35					
			CCVs	CCVs	CCVs		Percent	
		1	True	Found	Percent	•	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	284	114		83 - 174	2003-06-04
			•					
Standard	(ICV-1)	QC Batch: 214	0 .					
			CCVs	CCVs	CCVs		Percent	<b>7</b> 0 ·
D	· ·	<b>**</b> •:	True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
GRO	·	mg/L	1.00	0.979	98		85 - 115	2003-06-09
			,			Spike	Percent	Recovery
Surrogate	·	Flag		Units	Dilution	Amount	Recovery	Limit
	uene (TFT)		0.109	mg/L	1	0.100	109	73 - 120
4-Bromoflu	orobenzene	(4-BFB)	0.102	${ m mg/L}$	1	0.100	102	78 - 120

Work Order: 3060203 Windmill Oil

Page Number: 36 of 36 Windmill Oil

Standard (CCV-1)

QC Batch: 2140

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/L	1.00	0.904	90	85 - 115	2003-06-09

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	$\mathbf{Limit}$
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	73 - 120
4-Bromofluorobenzene (4-BFB)	•	0.116	mg/L	1	0.100	116	78 - 120

	Submittal of sa	Relinquished by:		Relinquished by:	hu Olla	Relinguished by:	DØ .	20		Dla 1	05	64	~	<i>Da</i> 1	01	8700	8699	LAB #		Wind ni	Project#:	Invoice to: (If different from above)	Contact Person:	650 1 Americas	Company Name:	lel (806 Fax (806 1 (800)	6701 Aberdee Lubbock,
	Submittal of samples constitutes ag	y: Date:		y: Date:	5/20/0	y: Date:	Larry Cochran	Dela Cruz	Max White	Ξ,	Occidental Perm	FOW	,	Frentera Famil	Jerry Berry	1	Ceneco Phillips	FIELD		.:   O.	# 03-1	n above) B:[	12	is parking NE Svite	. Intera	1el (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296	6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424
	agreement to Terms and	Time:		Time:	3 (203	Time:			- 5	-	· 	ler		<i>x</i>			85	FIELD CODE			99-000605	Olson - New		820	Inc.	1race/	
	nd Con	Receive		Received by:		Received by:	2 -	2 4	21 5			7.4	- t	2-5	-۴	. 77 5	4 2 4	# CONTAIN	ERS		5			Albuguergus			> }
	ditions	ad at L		d by:		ed by:	7.05.7	750W	150ml	X 18.57	× 8.5.5	755.1 X	750.1	7.057	7.0.1	10m1 20m1	750.x1 X	Volume/Amo	ount T			M exico		ie km		12	<u>}</u>
CRIGITAL	Conditions listed on reverse side of C.O.C.	Received at Laboratory by:																SOIL AIR SLUDGE	MATRIX	Samp	Projec	000		1 87110	Phone	ysis,	· ·
COP	side of C O.C.	Date: 5   3   03	· · · · · · · · · · · · · · · · · · ·	Date:		Date:	*	×	*	*	*	~	. ×	×	×	× ×	×	HCI HNO₃ H₂SO₄ NaOH	PRESERVATIVE METHOD	Sampler Signature:	Project Name: Windmil			(505)	<u>(505)</u>	IIIC.	\$
		Time: 9123		Time:		Time:	X	× 5	X 5	X X S	× 5:	× 5	× ×	X x 5/	× 5	× ×	X X	ICE: NONE		Q.	0;/			246-2600	246-1600	Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443	155 McCutcheon,Suite H El Paso, Texas 79932
	C		<b>T</b>	= *:		San Jen		5/26/63/645	5/26/63 16/10	S126/05/1540	5/28/63/1505	5 28/63 420	5/28/631143	5/28/03/10/20	5/25 63 0530	5/26/03/08/8	5/28/23 07 31	DATE TIME MTBE 8021B.	SAMPLING							5-3443 5-4944 -3443	on,Suite H s 79932
	Carrier #	Temp Log-in Rev	Headspace	Intact			X	×.	×	×	×	×	×	×	×	X	×	BTEX 8021B/6 TPH 418.1/TX	602	100	1.7	<i>e</i> 0					  - 
	SION	Bylew	ce Y XN	Y Z	ONLY	LAB USE	<u>×</u>						:					PAH 8270C Total Metals A TCLP Metals A TCLP Volatiles	g As Ba Ag As E	a Cd C	Pb Se	Hg 601	10B/20		(Cir	LAB Order ID#	CHAIN-OF-
\[\bar{\cap}{\cap}\]		Check Limits	<u> </u>	athy.	र्.स	REMARKS:												TCLP Semi Vol TCLP Pesticid RCI GC/MS Vol. 82	es	24					ANALYSIS REQUEST Circle or Specify Method No.	rb#	CHAIN-OF-CUSTODY AND ANALYSIS
7/1/1/1/1/	,	Check If Special Reporting Limits Are Needed	_															GC/MS Semi. PCB's 8082/60 Pesticides 808 BOD, TSS, pH	08 11A/608						Method No.)	060 á	ND ANALY
		orting	•	_	R T	)	×.	<b>×</b> ·	×	*	メ	*	*	*	×.	<b>×</b> .	*	Chloride	30	0.0						60	SIS REQUEST
			14/4/	5/1/62	•			-						-										<del></del>			EST
į		: 	(	100 N	<u>.</u>								· 					Turn Around T Hold	ime if o	lifferen	trom s	tandard	! <del></del>			. 13.5.	

Submittal of samples constitutes agreement to	Relinquished by:	Relinquished by:		Tay	5	2	r	S rpus) %	7	Ι.		1) Gary J	// JTJac	8711) Westbrook	(LAB USE)		Project Location: Windmi	# 4	nt from above)	Jerame	(Street, City, Zip)	/ Name	Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296	6701 Aberdeen Avenue, Ste. Lubbock, Texas 79424
utes agreement to	Date: Time:	Date: Time:	5/30/03 1203		laughter	Stone	Debbs	Selman	, XOV _	Lvory	WIKS	Jones	ackson	C 0.1	FIELD CODE		1101	L	B.11 Olso	Marcz	1, 21p) NE 51, th 820	The Inc		}
Terms and Condition	e e a a a a a a a a a a a a a a a a a a	ie: Received by:	Heceived by:	ļ										1 25cm	# CONTAIN			000605	- New Me		Albiquegue NM		aceAnal	▶
Terms and Conditions listed on reverse side of C.O.C.	Received at Laboratory by:  August Classes  August Classes	<b>by:</b>	by:	×	×		X		×	×	×	×	×	<u>×</u> 2	WATER SOIL AIR SLUDGE	MATRIX	Sample		Mexico OCD		87110 +ax #:	<b></b>	ilysis, 1	•
e side of C.O.C:	Date: Time: $arsigma  S   S   S $	Date: Time:	Date: Time:	XIX	×	×	×	×	×	×	×	X	×	XX	HCI; HNO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub> NaOH ICE NONE	PRESERVATIVE	Sampler Signature:	Name: Windmill			(505) 246-2600	(505) 246-1600	nc. Teli	155 Mc
C	9/35   u	i s		1715	1640	1620	(540	1430	1325	1245	SHII	1106		5/29/0309/8	DATE TIME	SAMPLING		0.1			\omega_{\omega}	0	Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443	:Cutcheon,Suite H
Carrier # $\sqrt{ S }$	Temp Check If Special Reporting Limits Are Needed	Inflact Y / N Headspace Y / N	ONLY REMARKS:		×× × · · · · · · · · · · · · · · · · ·	× × · · · · · · · · · · · · · · · · · ·	× × × × × × × × × × × × × × × × × × ×		XX.	× × × · · · · · · · · · · · · · · · · ·		•	XX	××××××××××××××××××××××××××××××××××××××	MTBE 8021B/ BTEX 8021B/ TPH 418.1/TX PAH 8270C Total Metals A TCLP Metals TCLP Volatile TCLP Semi Vol. 8 GC/MS Vol. 8 GC/MS Semi. PCB's 8082/6 Pesticides 800 BOD, TSS, ph	g As B Ag As E s olatiles Vol. 82 08 31A/606	24 270C/62	Pb Se cr Pb Sc	Hg 60 e Hg			ANALYSIS REQUEST  (Circle or Specify Method No.)	LAB Order ID # 3066203	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page\_

[cy |シ

## **Summary Report**

Jerome Marez

Report Date: June 12, 2003

Intera Inc.

Work Order:

der: 3060619

 $6501~\mathrm{Americas}$  Parkway NE 820

Suite 820

Albuquerque, NM 87110

Project Location: Project Name:

Windmill Oil Windmill Oil

Project Number:

Document #03-199-000605

	<u>-</u>		Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
9139	Packer Sales	water	2003-06-02	15:30	2003-06-06
9140	Emma Owings	water	2003-06-02	16:30	2003-06-06
9141	Mavis Williams	water	2003-06-03	10:37	2003-06-06
9142	Kely Williams	water	2003-06-03	10:47	2003-06-06
9143	TW Weddle	water	2003-06-03	11:05	2003-06-06
9144	Virgil Whittman	water	2003-06-03	13:00	2003-06-06
9145	Fig. Spud Cox 4 4 - 1 14 - 15	water - ,	2003-06-03	_13:33	2003-06-06
9146	James Wray	water	2003-06-03	13:35	2003-06-06
9147	J Cleveland	water	2003-06-03	16:18	2003-06-06
9148	Dwain Dobbs	water	2003-06-04	09:00	2003-06-06
9149	Rodriquez #1	water	2003-06-04	10:00	2003-06-06
9150	Rodriquez #2	water	2003-06-04	10:20	2003-06-06
9151	RV Kerbo	water	2003-06-04	12:00	2003-06-06
9152	K Muney	water	2003-06-04	13:37	2003-06-06
9153	G Compos	water	2003-06-04	14:30	2003-06-06
9154	J Pfeiffer	water	2003-06-05	09:50	2003-06-06
9155	V Tipps	water	2003-06-05	10:12	2003-06-06
9156	L Sandoval	water	2003-06-05	10:55	2003-06-06
9157	L & H Coons	water	2003-06-05	11:25	2003-06-06
9158	Stansberry #1	water	2003-06-05	12:05	2003-06-06
9159	Stansberry #2	water	2003-06-05	12:27	2003-06-06
9160	J. Garnsey	water	2003-06-05	13:05	2003-06-06
9161	Neal King	water	2003-06-05	14:10	2003-06-06
9162	B Stoneman	water	2003-06-05	14:47	2003-06-06
9163	B Glover	water	2003-06-05	15:11	2003-06-06

			BTEX		TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene (isomers)	DRO	GRO
Sample - Field Code	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
9139 - Packer Sales	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9140 - Emma Owings	0.00110	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9141 - Mavis Williams	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9142 - Kely Williams	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9143 - TW Weddle	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9144 - Virgil Whittman	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9145 - Spud Cox	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9146 - James Wray	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9147 - J Cleveland	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100

continued ...

Work Order: 3060619 Windmill Oil Page Number: 2 of 5 Windmill Oil

### ... continued

			BTEX		TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene (isomers)	DRO	GRO
Sample - Field Code	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
9148 - Dwain Dobbs	0.00700	0.00200	< 0.00100	< 0.00100	< 5.00	< 0.100
9149 - Rodriquez #1	0.00250	0.00130	< 0.00100	< 0.00100	< 5.00	< 0.100
9150 - Rodriquez #2	< 0.00500	0.0883	0.148	0.773	117	12.4
9151 - RV Kerbo	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9152 - K Muney	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9153 - G Compos	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9154 - J Pfeiffer	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9155 - V Tipps	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9156 - L Sandoval	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9157 - L & H Coons	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9158 - Stansberry #1	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9159 - Stansberry #2	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9160 - J. Garnsey	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9161 - Neal King	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9162 - B Stoneman	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100
9163 - B Glover	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 5.00	< 0.100

### Sample: 9139 - Packer Sales

Param	$\operatorname{Flag}$	$\mathbf{Result}$	Units	RL
Chloride		130	mg/L	0.500

### Sample: 9140 - Emma Owings

Param	Flag	Result	Units	RL
Chloride		178	mg/L	0.500

### Sample: 9141 - Mavis Williams

Param	Flag	. Result	Units	RL
Chloride		70.3	mg/L	0.500

### Sample: 9142 - Kely Williams

Param	Flag	Result	Units	RL
Chloride		120	mg/L	0.500

### Sample: 9143 - TW Weddle

Param	Flag	Result	Units	:	RL
Chloride		92.9	mg/L		0.500

### Sample: 9144 - Virgil Whittman

Param	Flag	Result	Units	RL
Chloride		198	${ m mg/L}$	0.500

Report Date: June Document #03-199		Work Order: 3060619 Windmill Oil	Page	Number: 3 of 5 Windmill Oil
Sample: 9145 - S	pud Cox			
Param	Flag	Result	Units	RL
Chloride		74.5	mg/L	0.500
Sample: 9146 - J	ames Wrav			
Param	Flag	Result	Units	RI
Chloride	1 lag	49.8	mg/L	0.500
Sample: 9147 - J				
Param	Flag	Result	Units	RL
Chloride		135	mg/L	0.500
Sample: 9148 - D	Owain Dobbs			
Param	Flag	Result	Units	RI
Chloride	Tag	80.9	mg/L	0.500
Sample: 9149 - R		The sale		
		Result	Units - mg/L	
Sample: 9149 - R				
Sample: 9149 - R	Flag			
Sample: 9149 - R Păram 2º 148 ··· Chloride	Flag todriquez #2	96.1	mg/L	0.500
Sample: 9149 - R Păram 25 148 - C Chloride Sample: 9150 - R	Flag			RL 0.500 RL 0.500
Sample: 9149 - R Păram Chloride Sample: 9150 - R Param Chloride	Flag todriquez #2 Flag	, 96.1 Result	mg/L Units	0.500 RL
Sample: 9149 - R Param Chloride Sample: 9150 - R Param Chloride	Flag todriquez #2 Flag	Result 30.4	mg/L Units. mg/L	0.500 RL 0.500
Sample: 9149 - R Păram Chloride Sample: 9150 - R Param Chloride	Flag todriquez #2 Flag	, 96.1 Result	mg/L Units	0.500 RL 0.500 RL
Sample: 9149 - R Păram Chloride Sample: 9150 - R Param Chloride Sample: 9151 - R	Flag  Rodriquez #2 Flag  RV Kerbo Flag	Result 30.4 Result	mg/L Units. mg/L Units	0.500 RL 0.500 RL
Sample: 9149 - Reparam Chloride  Sample: 9150 - Reparam Chloride  Sample: 9151 - Reparam Chloride  Chloride  Sample: 9151 - Reparam Chloride	Flag  todriquez #2 Flag  W Kerbo Flag  Muney	Result 30.4  Result 127	mg/L Units. mg/L Units	RL 0.500 RL 0.500
Sample: 9149 - R Param Chloride  Sample: 9150 - R Param Chloride  Sample: 9151 - R Param Chloride	Flag  Rodriquez #2 Flag  RV Kerbo Flag	Result 30.4 Result	Units. mg/L  Units. mg/L  Units  mg/L	RL 0.500 RL 0.500
Sample: 9149 - Reparam Chloride  Sample: 9150 - Reparam Chloride  Sample: 9151 - Reparam Chloride  Sample: 9151 - Reparam Chloride  Sample: 9152 - Keparam Chloride	Flag  RV Kerbo  Flag  Muney  Flag	Result 30.4  Result 127	Units mg/L  Units mg/L  Units mg/L	RL 0.500 RL 0.500
Sample: 9149 - Reparam Chloride  Sample: 9150 - Reparam Chloride  Sample: 9151 - Reparam Chloride  Sample: 9151 - Reparam Chloride	Flag  RV Kerbo  Flag  Muney  Flag	Result 30.4  Result 127	Units mg/L  Units mg/L  Units mg/L	0.500 RL

Report Date: June Document #03-199		Work Order: 3060619 Windmill Oil	F	Page Number: 4 of 5 Windmill Oil
Param	Flag	Result	Units	RL
Chloride	Trag	33.0	mg/L	0.500
			****01 ~~	
Sample: 9155 - V	Tipps			
Param	Flag	Result	Units	RL
Chloride		102	mg/L	0.500
				.*
Sample: 9156 - L	Sandoval			
Param	Flag	Result	Units	RL
Chloride		87.4	mg/L	0.500
Sample: 9157 - L	& H Coons			
Param	Flag	Result	Units	RL
Chloride		65.4	mg/L	0.500
	•			
Sample: 9158 - S	tansberry #1	•		•
Param	Flag	Result	Units	, RL
Chloride	. 11	68.6	mg/L	0.500
Sample: 9159 - S	tansberry #2			
Param	Flag	Result	Units	RL
Chloride		402	mg/L	0.500
		4		
Sample: 9160 - J	. Garnsey			
Param	Flag	Result	Units	RL
Chloride		115	mg/L	0.500
Sample: 9161 - N	leal King			
Param	Flag	Result	Units	RL
Chloride		110	mg/L	0.500
Sample: 9162 - B	Stoneman			
Param	Flag	Result	Units	RL
Chloride		64.3	mg/L	0.500

Sample: 9163 - B Glover

Work Order: 3060619 Windmill Oil Page Number: 5 of 5 Windmill Oil

Param	Flag	Result	Units	RL
Chloride		224	mg/L	0.500

6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H Lubbock, Texas 79424 El Paso, Texas 79932 800 • 378 • 1296 888 • 588 • 3443 806 • 794 • 1296 915 • 585 • 3443 FAX 806 • 794 • 1298 FAX 915 • 585 • 4944

Report Date: June 12, 2003

3060619

Work Order:

E-Mail: lab@traceanalysis.com

## Analytical and Quality Control Report

Jerome Marez

Intera Inc.

6501 Americas Parkway NE 820

Suite 820

Albuquerque, NM 87110

Project Location: Project Name: Windmill Oil Windmill Oil

Project Number:

Document #03-199-000605

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

1	the Analytical Report and Qu	•	Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
9139	Packer Sales	water	2003-06-02	15:30	2003-06-06
9140	Emma Owings	water	2003-06-02	16:30	2003-06-06
9141	Mavis Williams	water	2003-06-03	10:37.	2003-06-06
9142	Kely Williams	water	2003-06-03	10:47	2003-06-06
9143	- TW Weddle	water	2003-06-03	11:05	2003-06-06
9144	Virgil Whittman	water	2003-06-03	13:00	2003-06-06
9145	Spud Cox	water	2003-06-03	13:33	2003-06-06
9146	James Wray	water	2003-06-03	13:35	2003-06-06
9147	J Cleveland	water	2003-06-03	16:18	2003-06-06
9148	Dwain Dobbs	. water	2003-06-04	09:00	2003-06-06
9149	Rodriquez #1	water	2003-06-04	10:00	2003-06-06
9150	Rodriquez #2	water	2003-06-04	10:20	2003-06-06
9151	RV Kerbo	water	2003-06-04	12:00	2003-06-06
9152	K Muney	water	2003-06-04	13:37	2003-06-06
9153	G Compos	water	2003-06-04	14:30	2003-06-06
9154	J Pfeiffer	water	2003-06-05	09:50	2003-06-06
9155	V Tipps	water	2003-06-05	10:12	2003-06-06
9156	L Sandoval	water	2003-06-05	10:55	2003-06-06
9157	L & H Coons	water	2003-06-05	11:25	2003-06-06
9158	Stansberry #1	water	2003-06-05	12:05	2003-06-06
9159	Stansberry #2	water	2003-06-05	12:27	2003-06-06
9160	J. Garnsey	water	2003-06-05	13:05	2003-06-06
9161	Neal King	water	2003-06-05	14:10	2003-06-06
9162	B Stoneman	water	2003-06-05	14:47	2003-06-06
9163	B Glover	water	2003-06-05	15:11	2003-06-06

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 41 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Work Order: 3060619 Windmill Oil Page Number: 2 of 41 Windmill Oil

# **Analytical Report**

### Sample: 9139 - Packer Sales

Analysis: BTEX QC Batch: 2056 Prep Batch: 1860 Analytical Method: S 8021B Date Analyzed: 2003-06-06 Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	${ m mg/L}$	1	0.00100
Toluene		< 0.00100	$\mathrm{mg/L}$	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	$_{ m mg/L}$	1	0.00100

					$\operatorname{Spike}$	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0938	mg/L	1	0.100	94	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0889	${ m mg/L}$	1	0.100	89	77.8 - 110

### Sample: 9139 - Packer Sales

Analysis: Chloride (IC) QC Batch: 2074 Prep Batch: 1871 Analytical Method: E 300.0
Date Analyzed: 2003-06-09
Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

•	in the line of the	RL	***	The second of th	
Parameter	Flag	Result	Units	Dilution	. RL
Chloride		130	$\mathrm{mg/L}$	5	0.500

### Sample: 9139 - Packer Sales

Analysis: TPH DRO QC Batch: 2084 Prep Batch: 1880 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A
Analyzed By: BP
Prepared By: WG

		$\mathrm{RL}$			
Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		17.6	$\mathrm{mg/L}$	0.1	150	117	44 - 123

### Sample: 9139 - Packer Sales

Analysis: TPH GRO QC Batch: 2079 Prep Batch: 1877 Analytical Method: S 8015B
Date Analyzed: 2003-06-06
Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

continued ...

sample 9139 continued ...

Parameter	Flag		RL Result		Units	Dil	ution	RL
Parameter	Flag		RL Result		Units	Dil	ution	RL
GRO			< 0.100		mg/L		1	0.100
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (7 4-Bromofluorobenz		1	0.124 0.116	mg/L mg/L	1 1	0.100 0.100	124 116	73 - 120 78 - 120

### Sample: 9140 - Emma Owings

Analysis: QC Batch: Prep Batch:	BTEX 2056 1860	Analytical Method: Date Analyzed: Date Prepared:	S 8021B 2003-06-06 2003-06-06	Prep Method: Analyzed By: Prepared By:	CG
	•	זת	·		

ı		RL			
Parameter	· Flag	Result	Units	Dilution	RL
Benzene		0.00110	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	. 1	0.00100
Ethylbenzene		< 0.00100	$\mathrm{mg}/\mathrm{L}$	1 .	0.00100
Xylene (isomers)		< 0.00100	$_{ m mg/L}$	. 1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0957	mg/L	1	0.100	96	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0891	mg/L	1	0.100	89	77.8 - 110

### Sample: 9140 - Emma Owings

Chloride	Flag	178	mg/L	10	0.500
Parameter	; Flog	RL Result	Units	Dilution	RL
Analysis: QC Batch: Prep Batch:	Chloride (IC) 2074 1871	Analytical Method: Date Analyzed: Date Prepared:	E 300.0 2003-06-09 2003-06-06	Prep Method: Analyzed By: Prepared By:	JŚW

### Sample: 9140 - Emma Owings

Analysis: QC Batch: Prep Batch:	TPH DRO 2084 1880	•	Analytical Method: Date Analyzed: Date Prepared:	Mod. 8015B 2003-06-09 2003-06-06	Prep Method: Analyzed By: Prepared By:	ΒP
Parameter	Flag	g 5	RL Result	Units	Dilution	RL
DRO			< 5.00	${ m mg/L}$	0.1	50.0

<sup>&</sup>lt;sup>1</sup>High surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil

Page Number: 4 of 41 Windmill Oil

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	${f Amount}$	Recovery	Limits
n-Triacontane		18.4	${ m mg/L}$	0.1	150	123	44 - 123

### Sample: 9140 - Emma Owings

Analysis: TPH GRO QC Batch: 2079

Analytical Method:

S 8015B 2003-06-06 Prep Method: S 5030B

Prep Batch: 1877

Date Analyzed: Date Prepared:

2003-06-06

Analyzed By: CG Prepared By: CG

RL

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

				•	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	2	0.125	mg/L	1	0.100	125	73 - 120
4-Bromofluorobenzene (4-BFB)		0.118	${ m mg/L}$	1	0.100	118	78 - 120

### Sample: 9141 - Mavis Williams

Analysis: BTEX QC Batch: 2056 Prep Batch: 1860

Analytical Method: Date Analyzed:

Date Prepared:

S 8021B 2003-06-06 2003-06-06 Prep Method: S 5030B

Analyzed By: CG Prepared By: CG

RLParameter Flag Result Dilution RLUnits Benzene < 0.00100 1 0.00100 mg/L Toluene 0.00100 < 0.00100 mg/L 1 Ethylbenzene 1 0.00100 < 0.00100 mg/L Xylene (isomers) < 0.00100 1 0.00100 mg/L

					$\operatorname{Spike}$	Percent	$\operatorname{Recovery}$
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0917	mg/L	1	0.100	92	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0871	m mg/L	1	0.100	87	77.8 - 110

### Sample: 9141 - Mavis Williams

Analysis: Chloride (IC) QC Batch: 2076 Prep Batch: 1872

Analytical Method: Date Analyzed:

Date Prepared:

E 300.0 2003-06-09 2003-06-06 Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

RLFlag Result

RLParameter Units Dilution Chloride 70.3 mg/L 0.500

### Sample: 9141 - Mavis Williams

Analysis:

TPH DRO

Analytical Method: Mod. 8015B

Prep Method: N/A

 $<sup>^2\</sup>mathrm{High}$  surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil

Page Number: 5 of 41 Windmill Oil

QC Batch: Prep Batch:

2084 1880 Date Analyzed: Date Prepared: 2003-06-09 2003-06-06

Analyzed By: Prepared By: WG

RL

Parameter Result Flag Units Dilution RLDRO < 5.00 0.1 50.0 mg/L

	•				Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		18.1	mg/L	0.1	150	121	44 - 123

### Sample: 9141 - Mavis Williams

Analysis: QC Batch:

TPH GRO 2079 Prep Batch: 1877

Analytical Method: Date Analyzed:

S 8015B 2003-06-06 2003-06-06 Prep Method: S 5030B

Analyzed By: CG Prepared By: CG

RL

Date Prepared:

Parameter Result Flag Units Dilution RLGRO < 0.100 mg/L 0.100

•					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	,	0.120	mg/L	1	0.100	120	73 - 120
4-Bromofluorobenzene (4-BFB)		0.114	mg/L	1	0.100	114	78 - 120

### Sample: 9142 - Kely Williams

Analysis: **BTEX** QC Batch: 2056 Prep Batch: 1860

Analytical Method: Date Analyzed:

Date Prepared:

S 8021B 2003-06-06 2003-06-06 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RL

Parameter Flag Result Units Dilution RLBenzene 0.00100 < 0.00100 mg/L 1 Toluene < 0.00100 1 0.00100 mg/L Ethylbenzene < 0.00100 mg/L 1 0.00100 Xylene (isomers) < 0.00100 mg/L 1 0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0921	mg/L	1	0.100	92	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0853	${ m mg/L}$	1	0.100	85	77.8 - 110

### Sample: 9142 - Kely Williams

Prep Method: Analysis: Chloride (IC) Analytical Method: E 300.0 N/AAnalyzed By: **JSW** QC Batch: 2076 Date Analyzed: 2003-06-09 Prepared By: JSW Prep Batch: 1872 Date Prepared: 2003-06-06

continued ...

Work Order: 3060619 Windmill Oil Page Number: 6 of 41 Windmill Oil

sample 9142 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
	1.005	2000 020	011105		102
		RL			
Parameter	$\operatorname{Flag}$	Result	Units	Dilution	RL
Chloride		120	m mg/L	10	0.500

### Sample: 9142 - Kely Williams

Analysis: TPH DRO QC Batch: 2084 Prep Batch: 1880 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: BP Prepared By: WG

	•	RL			
Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	mg/L	0.1	50.0

:				•	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		18.1	mg/L	0.1	150	121	44 - 123

### Sample: 9142 - Kely Williams

Analysis: TPH GRO QC Batch: 2079 Prep Batch: 1877 Analytical Method: S 8015B
Date Analyzed: 2003-06-06
Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	${f Amount}$	Recovery	Limits
Trifluorotoluene (TFT)		0.120	mg/L	1	0.100	120	73 - 120
4-Bromofluorobenzene (4-BFB)		0.112	${ m mg/L}$	1	0.100	112	78 - 120

### Sample: 9143 - TW Weddle

1

Analysis: BTEX QC Batch: 2056 Prep Batch: 1860 Analytical Method: S 8021B Date Analyzed: 2003-06-06 Date Prepared: 2003-06-06 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLFlag Result Parameter Units Dilution RLBenzene 0.00100 < 0.00100 mg/L 1 Toluene < 0.00100 mg/L1 0.00100 mg/L0.00100 Ethylbenzene < 0.00100 1 Xylene (isomers) 1 0.00100< 0.00100 mg/L

Work Order: 3060619 Windmill Oil Page Number: 7 of 41 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0925	mg/L	1	0.100	92	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0861	mg/L	1	0.100	86	77.8 - 110

### Sample: 9143 - TW Weddle

Analysis: Chloride (IC) QC Batch: 2076 Prep Batch: 1872 Analytical Method: E 300.0 Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

### Sample: 9143 - TW Weddle

Analysis: TPH DRO QC Batch: 2084 Prep Batch: 1880 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: BP Prepared By: WG

				•	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		17.3	$\mathrm{mg/L}$	0.1	150	115	44 - 123

### Sample: 9143 - TW Weddle

Analysis: TPH GRO QC Batch: 2079 Prep Batch: 1877 Analytical Method: S 8015B
Date Analyzed: 2003-06-06
Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.120	mg/L	1	0.100	120	73 - 120
4-Bromofluorobenzene (4-BFB)		0.113	mg/L	1	0.100	113	78 - 120

### Sample: 9144 - Virgil Whittman

Analysis: BTEX QC Batch: 2056 Prep Batch: 1860 Analytical Method: S 8021B
Date Analyzed: 2003-06-06
Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Work Order: 3060619 Windmill Oil Page Number: 8 of 41 Windmill Oil

Parameter	Flag	RL Result	Units	Dil	ution	RL
Benzene		< 0.00100	mg/L		1	0.00100
Toluene		< 0.00100	$_{ m mg/L}$		1	0.00100
Ethylbenzene		< 0.00100	mg/L		1	0.00100
Xylene (isomers)		< 0.00100	m mg/L		1	0.00100
			"	Spike	Percent	Recovery

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0888	mg/L	1	0.100	89	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0817	m mg/L	· 1	0.100	82	77.8 - 110

### Sample: 9144 - Virgil Whittman

Analysis: Chloride (IC)

QC Batch: 2076

Prep Method: N/A

Date Analyzed: 2003-06-09

Prep Batch: 1872

Date Prepared: 2003-06-06

RL

Parameter

Flag

Result

Linits

Dilution

Prep Method: N/A

Analyzed By: JSW

Prepared By: JSW

Parameter	Flag	Result	Units	Dilution	RI.
Chloride	1 105	198	mg/L	10	0.500

### Sample: 9144 - Virgil Whittman

Analysis: QC Batch: Prep Batch:	C Batch: 2084		Date Analyz	Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06			Method: N/A ed By: BP ed By: WG
Parameter	Flag	;	RL Result	Uni	S	Dilution	RL
DRO			< 5.00	mg/	L	0.1	50.0
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	e	. 17.7	mg/L	0.1	150	118	44 - 123

### Sample: 9144 - Virgil Whittman

Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5030B QC Batch: 2079 Date Analyzed: 2003-06-06 Analyzed By: CG Prep Batch: 1877 Date Prepared: 2003-06-06 Prepared By: CG

Parameter	Flag	RL Result	Units	Dil	ution	RL
GRO		< 0.100	mg/L		1	0.100
				Snike	Percent	Recovery

				·	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.116	mg/L	1	0.100	116	73 - 120
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	78 - 120

Work Order: 3060619 Windmill Oil Page Number: 9 of 41 Windmill Oil

### Sample: 9145 - Spud Cox

Analysis: BTEX QC Batch: 2056 Prep Batch: 1860 Analytical Method: S 8021B
Date Analyzed: 2003-06-06
Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLParameter Flag Result Dilution Units RLBenzene < 0.00100 mg/L 1 0.00100 Toluene < 0.00100 1 0.00100 mg/L Ethylbenzene < 0.00100 1 0.00100mg/L Xylene (isomers) < 0.00100 mg/L 1 0.00100

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0870	mg/L	1	0.100	87	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0795	${ m mg/L}$	1	0.100	80	77.8 - 110

### Sample: 9145 - Spud Cox

Analysis: Chloride (IC) QC Batch: 2076 Prep Batch: 1872 Analytical Method: E 300.0
Date Analyzed: 2003-06-09
Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

### Sample: 9145 - Spud Cox

Analysis: TPH DRO QC Batch: 2084 Prep Batch: 1880 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: BP Prepared By: WG

	1				Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		18.3	mg/L	0.1	150	122	44 - 123

### Sample: 9145 - Spud Cox

Analysis: TPH GRO QC Batch: 2079 Prep Batch: 1877 Analytical Method: S 8015B
Date Analyzed: 2003-06-06
Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Work Order: 3060619 Windmill Oil

Page Number: 10 of 41 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	73 - 120
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	78 - 120

### Sample: 9146 - James Wray

Analysis: **BTEX** QC Batch: 2056 Prep Batch: 1860

Analytical Method: S 8021B Date Analyzed: Date Prepared:

2003-06-06 2003-06-06

Prep Method: Analyzed By:

S 5030B CG Prepared By: CG

RLParameter Flag

Result Dilution Units RLBenzene < 0.00100 mg/L 1 0.00100 Toluene < 0.00100 mg/L 1 0.00100 Ethylbenzene < 0.00100 mg/L 1 0.00100 Xylene (isomers) < 0.00100 mg/L 1 0.00100

•					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0926	mg/L	1	0.100	93	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0862	m mg/L	1	0.100	86	77.8 - 110

### Sample: 9146 - James Wray

Analysis: Chloride (IC) QC Batch: 2076 Prep Batch: 1872

Analytical Method: E 300.0 Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06 Prep Method: N/A Analyzed By: **JSW** Prepared By: JSW

RLParameter Flag Result Units Dilution RL49.8 0.500 Chloride mg/L5

### Sample: 9146 - James Wray

TPH DRO Analysis: QC Batch: 2084 Prep Batch: 1880

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: BPPrepared By: WG

RLParameter Flag Result Units Dilution RLDRO < 5.00 0.1 50.0 mg/L

					$\operatorname{Spike}$	$\operatorname{Percent}$	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane	·	17.0	${ m mg/L}$	0.1	150	113	44 - 123

### Sample: 9146 - James Wray

Analysis: QC Batch: TPH GRO 2079

Analytical Method: S 8015B Date Analyzed: 2003-06-06

Prep Method: S 5030B Analyzed By: CG

Work Order: 3060619 Windmill Oil Page Number: 11 of 41 Windmill Oil

50.0

0.1

Prep Batch: 1877			Date Prepa	red:	2003-06-06	•	Prepared By	r: CG
Parameter	Flag		RL Result		Units	Di	lution	RL
GRO			< 0.100		${ m mg/L}$		1	0.100
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (T 4-Bromofluorobenze	,	3	0.122 0.114	$rac{ ext{mg/L}}{ ext{mg/L}}$	1 1	0.100 0.100	122 114	73 - 120 78 - 120

### Sample: 9147 - J Cleveland

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B QC Batch: 2056 Date Analyzed: 2003-06-06 Analyzed By: CG Prep Batch: 1860 Date Prepared: Prepared By: CG 2003-06-06

RLParameter Result Flag Units Dilution RLBenzene < 0.00100 mg/L 0.00100 Toluene < 0.00100 1 0.00100 mg/L Ethylbenzene < 0.00100 1 0.00100mg/L Xylene (isomers) 1 < 0.00100 mg/L 0.00100

	,				Spike	Percent	Recovery
Surrogate	Flag	Result	${\rm Units}_{\_}$	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0921	mg/L	1	0.100	92	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0852	${ m mg/L}$	1	0.100	85	77.8 - 110

### Sample: 9147 - J Cleveland

Analysis: Chloride (IC) Analytical Method: Prep Method: N/A E 300.0 QC Batch: 2076 Date Analyzed: 2003-06-09 Analyzed By: **JSW** Prep Batch: 1872 Date Prepared: 2003-06-06 Prepared By: **JSW** RLParameter Flag Result Dilution RLUnits Chloride 135 10 0.500 mg/L

### Sample: 9147 - J Cleveland

DRO

Analysis: TPH DRO Analytical Method: Prep Method: N/A Mod. 8015B QC Batch: Date Analyzed: Analyzed By: BP2084 2003-06-09 Prep Batch: 1880 Date Prepared: 2003-06-06 Prepared By: WG RLResult Dilution RLParameter Units Flag

mg/L

< 5.00

<sup>&</sup>lt;sup>3</sup>High surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil Page Number: 12 of 41 Windmill Oil

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		17.2	mg/L	0.1	150	115	44 - 123

### Sample: 9147 - J Cleveland

Analysis: TPH GRO QC Batch: 2079 Prep Batch: 1877

Analytical Method: S 8015B
Date Analyzed: 2003-06-06
Date Prepared: 2003-06-06

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

Parameter Flag Result Units Dilution RI	· ·		•	C:1	D4	D
Parameter Flag Result Units Dilution RI		< 0.100	mg/L		1	0.100
	 Flag	Result			ution	RL

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	4	0.121	mg/L	1	0.100	121	73 - 120
4-Bromofluorobenzene (4-BFB)		0.112	$\mathrm{mg}/\mathrm{L}$	1	0.100	112	78 - 120

### Sample: 9148 - Dwain Dobbs

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863 Analytical Method: S 8021B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		$\mathrm{RL}$			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		0.00700	mg/L	1	0.00100
Toluene		0.00200	m mg/L	1	0.00100
Ethylbenzene		< 0.00100	m mg/L	1	0.00100
Xylene (isomers)		< 0.00100	${ m mg/L}$	1	0.00100

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0891	mg/L	1	0.100	89	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0819	mg/L	1	0.100	82	77.8 - 110

### Sample: 9148 - Dwain Dobbs

Analysis: Chloride (IC)
QC Batch: 2076
Prep Batch: 1872

Analytical Method: E 300.0 Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

#### 

### Sample: 9148 - Dwain Dobbs

Analysis: TPH DRO

Analytical Method: Mod. 8015B

Prep Method: N/A

 $<sup>^4\</sup>mathrm{High}$  surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil

Page Number: 13 of 41 Windmill Oil

QC Batch: Prep Batch: 1880

2084

Date Analyzed: Date Prepared:

2003-06-09 2003-06-06 Analyzed By: BP Prepared By: WG

RL

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	m mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		17.1	$\mathrm{mg/L}$	0.1	150	114	44 - 123

### Sample: 9148 - Dwain Dobbs

Analysis: TPH GRO QC Batch: 2060 Prep Batch: 1863

Analytical Method: S 8015B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RL

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	${ m mg/L}$	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	1.08	0.102	mg/L	1	0.100	102	73 - 120
4-Bromofluorobenzene (4-BFB)		0.104	${ m mg/L}$	1	0.100	104	78 - 120

### Sample: 9149 - Rodriquez #1

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863

Analytical Method: S 8021B Date Analyzed: Date Prepared:

2003-06-07 2003-06-07 Prep Method: S 5030B Analyzed By: CGPrepared By: CG

RL

Parameter	Flag	Result	Units	Dilution	. RL
Benzene		0.00250	mg/L	1	0.00100
Toluene		0.00130	${ m mg/L}$	1	0.00100
Ethylbenzene		< 0.00100	$\mathrm{mg/L}$	1	. 0.00100
Xylene (isomers)		< 0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0878	mg/L	1	0.100	88	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0802	${ m mg/L}$	1	0.100	80	77.8 - 110

### Sample: 9149 - Rodriquez #1

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A QC Batch: 2076 Date Analyzed: 2003-06-09 Analyzed By: JSW Prepared By: Prep Batch: 1872 Date Prepared: 2003-06-06 JSW

continued ...

Work Order: 3060619 Windmill Oil Page Number: 14 of 41 Windmill Oil

sample 9149 continued ...

		$\mathtt{RL}$			
Parameter	Flag	Result	Units	Dilution	RL
		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		96.1	mg/L	10	0.500

### Sample: 9149 - Rodriquez #1

Analysis: TPH DRO QC Batch: 2084 Prep Batch: 1880 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06 Prep Method: N/A Analyzed By: BP Prepared By: WG

44 - 123

RLParameter Result Units Dilution RLFlag 0.1 50.0 DRO < 5.00 mg/L Percent Recovery Spike Dilution Recovery Limits Surrogate Result Units Amount Flag

0.1

mg/L

RL

### Sample: 9149 - Rodriquez #1

17.4

ç

Analysis: TPH GRO QC Batch: 2060 Prep Batch: 1863

n-Triacontane

Analytical Method: S 8015B
Date Analyzed: 2003-06-07
Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

116

150

Dilution RLResult Units Parameter Flag 0.100 < 0.100 **GRO** mg/L 1 Spike Percent Recovery Flag Result Units Dilution Amount Recovery Limits Surrogate Trifluorotoluene (TFT) 0.100 0.100 100 73 - 120 mg/L 1 78 - 120 0.101 mg/L 1 0.100101 4-Bromofluorobenzene (4-BFB)

### Sample: 9150 - Rodriquez #2

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863 Analytical Method: S 8021B
Date Analyzed: 2003-06-07
Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00500	mg/L	5	0.00100
Toluene		0.0883	m mg/L	5	0.00100
Ethylbenzene		0.148	mg/L	5	0.00100
Xylene (isomers)		0.773	mg/L	5	0.00100

Work Order: 3060619 Windmill Oil

Page Number: 15 of 41 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	5	0.568	mg/L	5	0.100	114	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.448	${ m mg/L}$	5	0.100	90	77.8 - 110

### Sample: 9150 - Rodriquez #2

Analysis: QC Batch: Chloride (IC)

2076 Prep Batch: 1872

Analytical Method: Date Analyzed:

Date Prepared:

E 300.0 2003-06-09 2003-06-06 Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

RL

Flag Parameter Result Chloride 30.4

Units Dilution RLmg/L 5 0.500

### Sample: 9150 - Rodriquez #2

Analysis: QC Batch: TPH DRO 2084

Prep Batch: 1880

Analytical Method: Mod. 8015B Date Analyzed:

Date Prepared:

2003-06-09 2003-06-06 Prep Method: N/A Analyzed By: BP

Prepared By: WG.

RLDilution Result RLParameter Flag Units 117 0.1 50.0 DRO mg/L

				2	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	${f Amount}$	Recovery	Limits
n-Triacontane	6	22.7	${ m mg/L}$	0.1	150	151	44 - 123

### Sample: 9150 - Rodriquez #2

Analysis: QC Batch: TPH GRO

2060 Prep Batch: 1863 Analytical Method:

S 8015B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07 Prep Method: S 5030B

Analyzed By: CG CGPrepared By:

RL

RLFlag Parameter

Result 12.4 Units

Dilution

0.100 GRO mg/L 5 Percent Recovery Spike Recovery Limits Flag Result Units Dilution Amount

Surrogate 92 73 - 120 Trifluorotoluene (TFT) 0.459 mg/L 5 0.100 78 - 120 0.739 5 0.100 148 4-Bromofluorobenzene (4-BFB) mg/L

### Sample: 9151 - RV Kerbo

Analysis: QC Batch: **BTEX** 2059

Analytical Method:

Date Analyzed:

S 8021B 2003-06-07 Prep Method: S 5030B Analyzed By: CG

<sup>&</sup>lt;sup>5</sup>High surrogate recovery due to peak interference.

<sup>&</sup>lt;sup>6</sup>Recovery is out of control due to peak interference. QC show process within control.

<sup>&</sup>lt;sup>7</sup>High surrogate recovery due to peak interference.

Work Order: 3060619 Windmill Oil Page Number: 16 of 41 Windmill Oil

Document #	-03-199-000003		**	mamm	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
Prep Batch:	1863		Date Prepared:	20	03-06-07		Prepared By	: CG
			RL					
Parameter	F	lag	Result		Units		Dilution	RL
Benzene			< 0.00100		mg/L	······································	1	0.00100
Toluene			< 0.00100		mg/L		1	0.00100
Ethylbenzene			< 0.00100		${ m mg/L}$		1	0.00100
Xylene (isom	ers)		< 0.00100		mg/L		1	0.00100
						Spike	Percent	Recovery
Surrogate		Flag	Result [	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.0824 r	ng/L	1	0.100	82	78.7 - 110
4-Bromofluor	obenzene (4-BFB)	8	0.0756 r	ng/L	11	0.100	76	77.8 - 110
Sample: 91	51 - RV Kerbo							
Analysis:	Chloride (IC)		Analytical 1	Method	l: E 300.0		Pren Met	thod: N/A
QC Batch:	2077		Date Analy		2003-06-09	a .	\ Analyzed	,
Prep Batch:	1873		Date Prepa		2003-06-06		Prepared	•
Trop Baten.	1070		-	Tou.	1		11000000	. Dj. 0011
:			RL					
Parameter	Flag		Result		Units		Dilution	RL
Chloride			127		mg/L		10	0.500
				•			•	
Sample: 91	51 - RV Kerbo			- · · -	· · · · · · · · · · · · · · · · · · ·			
Analysis:	TPH DRO		Analytical Me	ethod:	Mod. 8015B	}	Prep Me	thod: N/A
QC Batch:	2084		Date Analyze		2003-06-09	•	Analyzed	
Prep Batch:	1880		Date Prepare		2003-06-06		Prepared	
	•		RL					
Parameter	Flag		Result		Units		Dilution	RL
DRO			< 5.00		${ m mg/L}$ .		0.1	50.0
						Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilı	ution .	Amount	Recovery	Limits
n-Triacontan		18.2	${ m mg/L}$	0	.1	150	121	44 - 123
	[					. ,		
Sample: 91	51 - RV Kerbo					ě		
Analysis:	TPH GRO		Analytical Me	thod:	S 8015B		Prep Method	d: S 5030B
QC Batch:	2060		Date Analyzed		2003-06-07		Analyzed By	
Prep Batch:	1863		Date Prepared		2003-06-07		Prepared By	
			RL					
Parameter	Flag		Result		Units	•	Dilution	RL
GRO	. <u> </u>		< 0.100		mg/L		1	0.100
			· · · · · · · · · · · · · · · · · · ·		<del></del>	<del></del>		

Spike Percent  ${\bf Recovery}$ Limits Flag Result Dilution Amount Recovery Surrogate Units 0.100 93 73 - 120 Trifluorotoluene (TFT) 0.0930 mg/L

 $\frac{73-120}{continued \dots}$ 

<sup>&</sup>lt;sup>8</sup>Low surrogate recovery due to matrix interference. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil Page Number: 17 of 41 Windmill Oil

sample continued ...

*					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
4-Bromofluorobenzene (4-BFB)		0.0962	mg/L	1	0.100	96	78 - 120

### Sample: 9152 - K Muney

Analysis: BTEX
QC Batch: 2059
Prep Batch: 1863

Analytical Method: S 8021B
Date Analyzed: 2003-06-07
Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLParameter Flag Result Dilution Units RLBenzene < 0.00100 0.00100 mg/L 1 Toluene < 0.00100 1 0.00100 mg/L Ethylbenzene 1 0.00100 < 0.00100 mg/L Xylene (isomers) < 0.00100 1 0.00100 mg/L

					$\operatorname{Spike}$	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0884	mg/L	1	0.100	88	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0805	mg/L	. 1	0.100	80	77.8 - 110

#### Sample: 9152 - K Muney

Analysis: Chloride (IC) QC Batch: 2077 Prep Batch: 1873 Analytical Method: E 300.0 Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

### Sample: 9152 - K Muney

Analysis: TPH DRO QC Batch: 2084 Prep Batch: 1880 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06 Prep Method: N/A Analyzed By: BP Prepared By: WG

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		18.1	${ m mg/L}$	0.1	150	121	44 - 123

### Sample: 9152 - K Muney

Analysis: TPH GRO QC Batch: 2060

Analytical Method: S 8015B Date Analyzed: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Work Order: 3060619 Windmill Oil Page Number: 18 of 41 Windmill Oil

Prep Batch: 1863		Date Prepared:	2003-06-07	Prepared By:	CG
·		RL			
Parameter	$\operatorname{Flag}$	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

					Spike	$\operatorname{Percent}$	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	73 - 120
4-Bromofluorobenzene (4-BFB)		0.103	${ m mg/L}$	1	0.100	103	78 - 120.

### Sample: 9153 - G Compos

Analysis: Analytical Method: Prep Method: S 5030B **BTEX** S 8021B QC Batch: 2059 Date Analyzed: Analyzed By: CG2003-06-07 Date Prepared: Prep Batch: 1863 Prepared By: CG 2003-06-07

RLParameter Flag Result Dilution Units RLBenzene < 0.00100 0.00100 mg/L 1 Toluene 1 < 0.00100 0.00100 mg/L Ethylbenzene 1 < 0.00100 mg/L0.00100 Xylene (isomers) < 0.00100 mg/L1 0.00100

					Spike	Perçent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0931	mg/L	1	0.100	93	78.7 - 110
4-Bromofluorobenzene (4-BFB)	9	0.0742	$\mathrm{mg/L}$	1	0.100	74	77.8 - 110

### Sample: 9153 - G Compos

Analytical Method: Prep Method: N/A Analysis: Chloride (IC) E 300.0 QC Batch: 2077 Date Analyzed: Analyzed By: JSW 2003-06-09 Date Prepared: Prepared By: Prep Batch: 1873 JSW 2003-06-06 RLResult Dilution Parameter Flag Units RL96.0 10 0.500 Chloride mg/L

### Sample: 9153 - G Compos

Analytical Method: Prep Method: N/A Analysis: TPH DRO Mod. 8015B QC Batch: 2083 Date Analyzed: 2003-06-08 Analyzed By: BP Date Prepared: Prepared By: WG Prep Batch: 1878 2003-06-06

		RL		•	
Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	${ m mg/L}$	0.1	50.0

<sup>&</sup>lt;sup>9</sup>High surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil Page Number: 19 of 41 Windmill Oil

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane	. ,	14.2	mg/L	0.1	150	95	44 - 123

### Sample: 9153 - G Compos

Analysis: TPH GRO QC Batch: 2060 Prep Batch: 1863

Analytical Method: S 8015B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	73 - 120
4-Bromofluorobenzene (4-BFB)		0.0946	$_{ m mg/L}$	1	0.100	95	78 - 120

### Sample: 9154 - J Pfeiffer

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863 Analytical Method: S 8021B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL '			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	${ m mg/L}$	1	0.00100
Ethylbenzene	•	< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	${ m mg/L}$	1	0.00100

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0874	mg/L	1	0.100	87	78.7 - 110
4-Bromofluorobenzene (4-BFB)	10	0.0699	mg/L	1	0.100	70 ·	77.8 - 110

### Sample: 9154 - J Pfeiffer

Analysis: Chloride (IC) QC Batch: 2077 Prep Batch: 1873 Analytical Method: E 300.0
Date Analyzed: 2003-06-09
Date Prepared: 2003-06-06

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

### Sample: 9154 - J Pfeiffer

Analysis:

TPH DRO

Analytical Method: Mod. 8015B

Prep Method: N/A

 $<sup>^{10}\</sup>mbox{High}$  surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil

Page Number: 20 of 41 Windmill Oil

QC Batch: Prep Batch:

2083 1878

Date Analyzed: Date Prepared:

2003-06-08 2003-06-06

Analyzed By:

BP · Prepared By: WG

RL

Parameter Result Units Dilution RLFlag DRO < 5.00 0.1 mg/L 50.0

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		14.1	m mg/L	0.1	150	94	44 - 123

### Sample: 9154 - J Pfeiffer

Analysis: QC Batch:

Prep Batch: 1863

TPH GRO 2060

Analytical Method: Date Analyzed:

S 8015B 2003-06-07 2003-06-07 Prep Method: S 5030B

Analyzed By: CG Prepared By: CG

RL

Date Prepared:

Parameter Flag Result Units Dilution RLGRO < 0.100 mg/L 0.100

•					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0998	mg/L	1	0.100	100	73 - 120
4-Bromofluorobenzene (4-BFB)		0.0889	mg/L	1	0.100	89	78 - 120

### Sample: 9155 - V Tipps

Analysis: QC Batch:

Prep Batch:

BTEX 2059

1863

Analytical Method: Date Analyzed:

Date Prepared:

S 8021B 2003-06-07 2003-06-07 Prep Method: S 5030B Analyzed By: CG

CG

Prepared By:

RLParameter Flag Result Units Dilution RLBenzene < 0.00100 mg/L 1 0.00100 Toluene < 0.00100 mg/L 1 0.00100 Ethylbenzene < 0.00100 1 0.00100mg/L Xylene (isomers) < 0.00100 mg/L 1 0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0928	mg/L	1	0.100	93	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0856	mg/L	1	0.100	86	77.8 - 110

### Sample: 9155 - V Tipps

Analysis: Chloride (IC) QC Batch:

2077 Prep Batch: 1873

Analytical Method: Date Analyzed:

Date Prepared:

E 300.0 2003-06-09 2003-06-06 Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

 $continued \dots$ 

Work Order: 3060619 Windmill Oil Page Number: 21 of 41 Windmill Oil

sample 9155 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		102	m mg/L	10	0.500

### Sample: 9155 - V Tipps

Analysis: TPH DRO QC Batch: 2083 Prep Batch: 1878

Analytical Method: Mod. 8015B
Date Analyzed: 2003-06-08
Date Prepared: 2003-06-06

Prep Method: N/A
Analyzed By: BP
Prepared By: WG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	1 lag	<5.00	mg/L	0.1	50.0
			Sni	ke Percent	Recovery

,				•	Spike	Percent	Recovery
Surrogate	Flag	Result	$_{ m Units}$	Dilution	${f Amount}$	Recovery	Limits
n-Triacontane		13.6	$\mathrm{mg/L}$	0.1	150	91	44 - 123

## Sample: 9155 - V Tipps

Analysis: TPH GRO QC Batch: 2060 Prep Batch: 1863 Analytical Method: S 8015B
Date Analyzed: 2003-06-07
Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	mg/L	1	0.100

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	73 - 120
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	78 - 120

### Sample: 9156 - L Sandoval

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863 Analytical Method: S 8021B
Date Analyzed: 2003-06-07
Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	m mg/L	1	0.00100
Ethylbenzene		< 0.00100	m mg/L	1	0.00100
Xylene (isomers)		< 0.00100	m mg/L	1	0.00100

Work Order: 3060619 Windmill Oil

Page Number: 22 of 41 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	$egin{array}{c}  ext{Spike} \  ext{Amount} \end{array}$	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	11	0.0112	mg/L	1	0.100	11	78.7 - 110
4-Bromofluorobenzene (4-BFB)	12	0.0103	mg/L	1	0.100	10	77.8 - 110

### Sample: 9156 - L Sandoval

Analysis:

Chloride (IC)

QC Batch: 2077 Prep Batch: 1873

Analytical Method: E 300.0 Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06 Prep Method: N/A

Analyzed By: **JSW** Prepared By: **JSW** 

RL

Parameter	Flag	Result	Units	Dilution	RL
Chloride		87.4	mg/L	5	0.500

### Sample: 9156 - L Sandoval

Analysis:

TPH DRO

QC Batch: 2083 Prep Batch: 1878

Analytical Method:

Date Analyzed: Date Prepared: Mod. 8015B 2003-06-08 2003-06-06

Prep Method: N/A Analyzed By: BP Prepared By: WG

RL

Parameter	Flag	Result	Units	Dilution,	RL
DRO		< 5.00	m mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		13.0	mg/L	0.1	150	87	44 - 123

### Sample: 9156 - L Sandoval

Analysis:

TPH GRO

QC Batch: 2060 Prep Batch: 1863 Analytical Method: Date Analyzed:

S 8015B 2003-06-07 2003-06-07 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RL

Date Prepared:

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	${ m mg/L}$	1	0.100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	13	0.0130	m mg/L	. 1	0.100	13	73 - 120
4-Bromofluorobenzene (4-BFB)	14	0.0130	mg/L	1	0.100	13	78 - 120

### Sample: 9157 - L & H Coons

Analysis:

**BTEX** 

Analytical Method: S 8021B

Prep Method: S 5030B

<sup>&</sup>lt;sup>11</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

<sup>&</sup>lt;sup>12</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. SAmple ran twice. <sup>13</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice. <sup>14</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

Work Order: 3060619 Windmill Oil

Page Number: 23 of 41 Windmill Oil

QC Batch: 2059 Prep Batch: 1863

Date Analyzed: Date Prepared:

65.4

2003-06-07 2003-06-07 Analyzed By: CG Prepared By: CG

RL

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	$_{ m mg/L}$	1	0.00100
Toluene		< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	${ m mg/L}$	1	0.00100
Xylene (isomers)		< 0.00100	mg/L	1	0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	15	0.0173	mg/L	1	0.100	17	78.7 - 110
4-Bromofluorobenzene (4-BFB)	16	0.0135	mg/L	1	0.100	14	77.8 - 110

### Sample: 9157 - L & H Coons

Analysis: Chloride (IC) QC Batch: 2077 Prep Batch: 1873

Chloride

Analytical Method: E 300.0 Date Analyzed: 2003-06-09 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: **JSW** Prepared By: **JSW** 

RLResult Parameter Flag

Units Dilution RLmg/L 0.500

### Sample: 9157 - L & H Coons

Analysis: TPH DRO QC Batch: 2083 Prep Batch: 1878

Analytical Method: Mod. 8015B Date Analyzed: 2003-06-08 Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: BP Prepared By: WG

RLDilution RLParameter Flag Result Units DRO < 5.00 mg/L 0.1 50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		13.9	${ m mg/L}$	0.1	150	93	44 - 123

### Sample: 9157 - L & H Coons

Analysis: TPH GRO QC Batch: 2060 Prep Batch: 1863

Analytical Method: S 8015B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

RLDilution RLResult Units Parameter Flag 0.100 < 0.100 mg/LGRO

<sup>&</sup>lt;sup>15</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice. <sup>16</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

Work Order: 3060619 Windmill Oil Page Number: 24 of 41 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	17	0.0221	mg/L	1	0.100	22	73 - 120
4-Bromofluorobenzene (4-BFB)	18	0.0175	mg/L	1	0.100	18	78 - 120

### Sample: 9158 - Stansberry #1

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863 Analytical Method: S 8021B Date Analyzed: 2003-06-0

Date Prepared:

2003-06-07 2003-06-07 Prep Method: S 5030B

Analyzed By: CG Prepared By: CG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	${ m mg/L}$	1	0.00100
Ethylbenzene		< 0.00100	${ m mg/L}$	1	0.00100
Xylene (isomers)		< 0.00100	mg/L	1	0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0884	mg/L	1	0.100	88	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0795	m mg/L	. 1	0.100	80	77.8 - 110

### Sample: 9158 - Stansberry #1.

Analysis: Chloride (IC) QC Batch: 2077 Prep Batch: 1873 Analytical Method: E 300.0
Date Analyzed: 2003-06-09
Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

### Sample: 9158 - Stansberry #1

Analysis: TPH DRO QC Batch: 2083 Prep Batch: 1878 Analytical Method:
Date Analyzed:
Date Prepared:

Mod. 8015B 2003-06-08 2003-06-06 Prep Method: N/A Analyzed By: BP Prepared By: WG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	m mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	${f Amount}$	Recovery	Limits
n-Triacontane		13.5	mg/L	0.1	150	90	44 - 123

### Sample: 9158 - Stansberry #1

<sup>&</sup>lt;sup>17</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

<sup>&</sup>lt;sup>18</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

Report Date: June 12, 2003 Work Order: 3060619 Page Number: 25 of 41 Document #03-199-000605 Windmill Oil Windmill Oil Analysis: TPH GRO Analytical Method: Prep Method: S 5030B S 8015B QC Batch: 2060 Date Analyzed: Analyzed By: 2003-06-07 CG Prep Batch: 1863 Date Prepared: 2003-06-07 Prepared By: CG RLParameter Flag Result Dilution Units RLGRO < 0.100 mg/L 0.100 Spike Percent Recovery Surrogate Flag Result Units Dilution Amount Recovery Limits Trifluorotoluene (TFT) 0.102mg/L 0.100 102 73 - 120 1 4-Bromofluorobenzene (4-BFB) 0.101 0.100 101 78 - 120 mg/L 1 Sample: 9159 - Stansberry #2 Analysis: **BTEX** Analytical Method: S 8021B Prep Method: S 5030B QC Batch: 2059 Date Analyzed: Analyzed By: 2003-06-07 CG Prep Batch: Date Prepared: 1863 2003-06-07 Prepared By: CGRLParameter Flag Result Units Dilution RLBenzene < 0.00100 mg/L 1 0.00100 Toluene < 0.00100 mg/L 1 0.00100 Ethylbenzene < 0.00100 mg/L 1 0.00100 0.00100 Xylene (isomers) < 0.00100 mg/L 1 Spike Percent Recovery Flag Surrogate Result Units Amount Recovery Dilution Limits Trifluorotoluene (TFT) 0.0888 0.100 89 78.7 - 110 mg/L 1 19 4-Bromofluorobenzene (4-BFB) 1 0.100 75 77.8 - 110 0.0750 mg/L

Sample:	9159 -	Stans	berry	#2
---------	--------	-------	-------	----

Analytical Method: Prep Method: N/A Analysis: Chloride (IC) E 300.0 Analyzed By: QC Batch: 2077 Date Analyzed: 2003-06-09 **JSW** Prep Batch: Date Prepared: Prepared By: JSW 1873 2003-06-06 RLResult Dilution Parameter Flag Units RL402 0.500 Chloride 50 mg/L

### Sample: 9159 - Stansberry #2

Analysis: Analytical Method: Mod. 8015B Prep Method: N/A TPH DRO QC Batch: Analyzed By: BP 2083 Date Analyzed: 2003-06-08 Prepared By: WG Prep Batch: Date Prepared: 2003-06-06 1878 RLResult Dilution RLParameter Flag Units 50.0 0.1 DRO < 5.00 mg/L

<sup>&</sup>lt;sup>19</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

Work Order: 3060619 Windmill Oil Page Number: 26 of 41 Windmill Oil

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane	•	14.4	$\mathrm{mg}/\mathrm{L}$	0.1	150	96	44 - 123

### Sample: 9159 - Stansberry #2

Analysis: TPH GRO QC Batch: 2060 Prep Batch: 1863 Analytical Method: S 8015B
Date Analyzed: 2003-06-07
Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

				Spike	Percent	Recovery
Flag	Result	Units	Dilution	Amount	Recovery	Limits
	0.101	mg/L	1	0.100	101	73 - 120
	0.0957	mg/L	1	0.100	96	78 - 120
	Flag	0.101	0.101 mg/L	0.101 mg/L 1	Flag Result Units Dilution Amount  0.101 mg/L 1 0.100	Flag Result Units Dilution Amount Recovery  0.101 mg/L 1 0.100 101

### Sample: 9160 - J. Garnsey

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863 Analytical Method: S 8021B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		$\operatorname{RL}$			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	$\mathrm{mg}/\mathrm{L}$	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	$\mathrm{mg/L}$	1	0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	20	0.0724	mg/L	ĩ	0.100	72 .	78.7 - 110
4-Bromofluorobenzene (4-BFB)	21	0.0632	$\mathrm{mg/L}$	1	0.100	63	77.8 - 110

### Sample: 9160 - J. Garnsey

Analysis: Chloride (IC) QC Batch: 2077 Prep Batch: 1873 Analytical Method: E 300.0
Date Analyzed: 2003-06-09
Date Prepared: 2003-06-06

Prep Method: N/A Analyzed By: JSW Prepared By: JSW

### Sample: 9160 - J. Garnsey

<sup>&</sup>lt;sup>20</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

<sup>&</sup>lt;sup>21</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

Work Order: 3060619 Windmill Oil

Page Number: 27 of 41 Windmill Oil

Analysis: QC Batch:

TPH DRO 2083 Prep Batch: 1878

Analytical Method: Date Analyzed:

Mod. 8015B 2003-06-08 2003-06-06

Prep Method: N/A Analyzed By: ΒP Prepared By: WG

RL

Date Prepared:

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	mg/L	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		13.3	mg/L	0.1	150	89	44 - 123

Sample: 9160 - J. Garnsey

Analysis: QC Batch:

TPH GRO 2060 Prep Batch: 1863

Analytical Method: S 8015B Date Analyzed:

2003-06-07 2003-06-07 Prep Method: S 5030B

Analyzed By: CG Prepared By: CG

RL

Date Prepared:

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 0.100	$\mathrm{mg/L}$	1	0.100

	*				Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0833	mg/L	1	0.100	83	73 - 120
4-Bromofluorobenzene (4-BFB)		0.0808	mg/L	1 .	0.100	81	78 - 120

Sample: 9161 - Neal King

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863

Analytical Method: S 8021B Date Analyzed: Date Prepared:

2003-06-07 2003-06-07 Prep Method: S 5030B

Analyzed By: CG Prepared By: CG

RL

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)	;	< 0.00100	m mg/L	1	0.00100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	22	0.0748	$_{ m mg/L}$	1	0.100	75	78.7 - 110
4-Bromofluorobenzene (4-BFB)	23	0.0634	${ m mg/L}$	1	0.100	63	77.8 - 110

Sample: 9161 - Neal King

Analysis: Chloride (IC) QC Batch: 2088 Prep Batch: 1889

Analytical Method: E 300.0 Date Analyzed: 2003-06-10 Date Prepared: 2003-06-09

Prep Method: N/AAnalyzed By: **JSW** Prepared By: JSW

<sup>&</sup>lt;sup>22</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

<sup>&</sup>lt;sup>23</sup>High surrogate recovery due to matrix interference. ICV, CCV show the method to be in control. Sample ran twice.

Work Order: 3060619 Windmill Oil Page Number: 28 of 41 Windmill Oil

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		110	mg/L	10	0.500

### Sample: 9161 - Neal King

Analysis: TPH DRO QC Batch: 2083 Prep Batch: 1878 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-08 Date Prepared: 2003-06-06

Prep Method: N/A
Analyzed By: BP
Prepared By: WG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
DRO		< 5.00	${ m mg/L}$	0.1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		13.6	mg/L	0.1	150	91	44 - 123

### Sample: 9161 - Neal King

Analysis: TPH GRO QC Batch: 2060 Prep Batch: 1863 Analytical Method: S 8015B
Date Analyzed: 2003-06-07
Date Prepared: 2003-06-07

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

`		RL			**
Parameter	Flag	Result	, Units	Dilution	RL
GRO		< 0.100	${ m mg/L}$	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0876	mg/L	ĺ	0.100	88	73 - 120
4-Bromofluorobenzene (4-BFB)		0.0804	mg/L	1	0.100	80	78 - 120

### Sample: 9162 - B Stoneman

Analysis: BTEX QC Batch: 2059 Prep Batch: 1863 Analytical Method: S 8021B Date Analyzed: 2003-06-07 Date Prepared: 2003-06-07 Prep Method: S 5030B Analyzed By: CG Prepared By: CG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene	· · · · · · · · · · · · · · · · · · ·	< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	mg/L	1	0.00100
Ethylbenzene		< 0.00100	mg/L	1	0.00100
Xylene (isomers)		< 0.00100	$\mathrm{mg/L}$	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery . Limits
Trifluorotoluene (TFT)		0.0873	mg/L	1	0.100	87	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0787	mg/L	1	0.100	79	77.8 - 110

Work Order: 3060619 Windmill Oil

Page Number: 29 of 41 Windmill Oil

### Sample: 9162 - B Stoneman

Analysis: QC Batch:

Chloride (IC) 2088

Analytical Method: Date Analyzed:

E 300.0 2003-06-10 Prep Method: N/A Analyzed By: **JSW** 

Prep Batch: 1889 Date Prepared:

2003-06-09

Prepared By: **JSW** 

RL

Parameter Chloride

Flag Result 64.3

Units mg/L

Dilution 5

RL0.500

### Sample: 9162 - B Stoneman

Analysis: QC Batch: TPH DRO

2083 Prep Batch: 1878

Analytical Method: Date Analyzed:

Date Prepared:

Mod. 8015B 2003-06-08 2003-06-06

Prep Method: N/A Analyzed By: ΒP Prepared By: WG

RL

Flag Parameter DRO

Result Units < 5.00 mg/L

Dilution

0.1

RL50.0

í					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		13.4	${ m mg/L}$	0.1	150	89	44 - 123

### Sample: 9162 - B Stoneman

Analysis: QC Batch:

GRO

TPH GRO 2060 Prep Batch: 1863

Analytical Method: Date Analyzed:

Date Prepared:

RL

S 8015B 2003-06-07 2003-06-07

Prep Method: S 5030B

Analyzed By: CGPrepared By: CG

Parameter Flag

Result < 0.100

Units mg/L

Dilution

RL0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0996	mg/L	1	0.100	100	73 - 120
4-Bromofluorobenzene (4-BFB)		0.0983	mg/L	1	0.100	98	78 - 120

### Sample: 9163 - B Glover

Analysis:

BTEX 2057

Analytical Method: Date Analyzed:

S 8021B 2003-06-06 Prep Method: S 5030B Analyzed By:

QC Batch: Prep Batch: 1861

Date Prepared:

2003-06-06

Prepared By:

CG CG

RI.

		1677			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.00100	mg/L	1	0.00100
Toluene		< 0.00100	$\mathrm{mg/L}$	1	0.00100
Ethylbenzene		< 0.00100	$\mathrm{mg/L}$	1	0.00100
Xylene (isomers)		< 0.00100	m mg/L	1	0.00100

Work Order: 3060619 Windmill Oil Page Number: 30 of 41 Windmill Oil

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0723	mg/L	1	0.100	72	61 - 127
4-Bromofluorobenzene (4-BFB)	24	0.0679	$\mathrm{mg}/\mathrm{L}$	1	0.100	68	72.6 - 130

## Sample: 9163 - B Glover

Analysis: Chloride (IC)
QC Batch: 2088
Prep Batch: 1889

Analytical Method: E 300.0 Date Analyzed: 2003-06-10 Date Prepared: 2003-06-09

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

#### Sample: 9163 - B Glover

Analysis: TPH DRO QC Batch: 2083 Prep Batch: 1878 Analytical Method: Mod. 8015B Date Analyzed: 2003-06-08 Date Prepared: 2003-06-06

Prep Method: N/A
Analyzed By: BP
Prepared By: WG

				į	Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		13.3	${ m mg/L}$	0.1	150	89	44 - 123

## Sample: 9163 - B Glover

Analysis: TPH GRO QC Batch: 2140 Prep Batch: 1925 Analytical Method: S 8015B
Date Analyzed: 2003-06-09
Date Prepared: 2003-06-09

Prep Method: S 5030B Analyzed By: CG Prepared By: CG

					Spike	Percent	Recovery
Surrogate	$\operatorname{Flag}$	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	73 - 120
4-Bromofluorobenzene (4-BFB)		0.107	${ m mg/L}$	; 1	0.100	107	78 - 120

#### Method Blank (1) QC Batch: 2056

Parameter	Flag	Result	Units	· RL
Benzene		< 0.00100	${ m mg/L}$	0.001
				$continued \dots$

<sup>&</sup>lt;sup>24</sup>Low surrogate recovery due to matrix interference. ICV, CCV show the method to be in control.

## $method\ blank\ continued\ \dots$

Parameter	Flag	Result	Units	RL
Toluene		< 0.00100	mg/L	0.001
Ethylbenzene		< 0.00100	${ m mg/L}$	0.001
Xylene (isomers)		< 0.00100	mg/L	0.001

					Spike	Percent	Recovery
Surrogate	Flag	Result	$_{ m Units}$	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0924	mg/L	1	0.100	92	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0846	mg/L	1	0.100	85	77.8 - 110

# Method Blank (1)

QC Batch: 2057

Parameter Flag		Result	Units	RL
Benzene		< 0.00100	mg/L	0.001
Toluene		< 0.00100	mg/L	0.001
Ethylbenzene		< 0.00100	mg/L	0.001
Xylene (isomers)		< 0.00100	m mg/L	0.001

•					Spike	$\operatorname{Percent}$	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.0933	mg/L	1	0.100	93	61 - 127
4-Bromofluorobenzene (4-BFB)		0.0889	mg/L	1	0.100	89	72.6 - 130

# Method Blank (1)

QC Batch: 2059

Parameter	Flag	Result	Units	RL
Benzene		< 0.00100	m mg/L	0.001
Toluene		< 0.00100	${ m mg/L}$	0.001
Ethylbenzene		< 0.00100	${ m mg/L}$	0.001
Xylene (isomers)		< 0.00100	${ m mg/L}$	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0830	${ m mg/L}$	1	0.100	83	77.8 - 110

# Method Blank (1)

Parameter	Flag Result			Unit	RL		
GRO			< 0.100			mg/L	
	Flog	Posult	Unita	Dilution	Spike	Percent	Recovery

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	73 - 120
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	78 - 120

Report Date: June 12, Document #03-199-000		. Wo	rk Order: 30 Windmill O			Page Number: 32 of 41 Windmill Oil			
Method Blank (1)	QC Batch: 2074				,				
Parameter	Flag	•	Result		Units		RL		
Chloride			< 0.500		mg/L		0.5		
Method Blank (1)	QC Batch: 2076								
Parameter	Flag		Result		Units		RL		
Chloride			< 0.500		mg/L		0.5		
Method Blank (1)	QC Batch: 2077						,		
Parameter	Flag		Result		Units		RL		
Chloride			< 0.500		m mg/L		0.5		
í									
Method Blank (1)	QC Batch: 2079								
Parameter	Flag		Result		Units	,	RL		
GRO			<0.100		mg/L	-	0.1		
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits		
Trifluorotoluene (TFT)		0.0791	mg/L	1	0.100	79	73 - 120		
4-Bromofluorobenzene	(4-BFB) <sup>25</sup>	0.0729	mg/L	1	0.100	73	78 - 120		
			,						
Method Blank (1)	QC Batch: 2083		· · ·						
Parameter	Flag		Result		Units	•	RL		
DRO	,		< 5.00		m mg/L		50		

Parameter	•	Flag		Result	J	Jnits	RL
DRO				< 5.00	n	$_{ m ng/L}$	50
	i				Spike	Percent	Recovery
Ċ ,	Di	D 1	TT	TO:1	Spike	1 ercent	rtecovery

	,				Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		18.3	mg/L	0.1	150	122	44 - 123

Method Blank (1) QC Batch: 2084

Parameter	Flag	Result	Units	RL
DRO		< 5.00	mg/L	50

 $<sup>^{25}</sup>$ Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil Page Number: 33 of 41 Windmill Oil

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	${f Amount}$	Recovery	Limits
n-Triacontane		15.1	m mg/L	0.1	150	101	44 - 123

Method Blank (1)

QC Batch: 2088

Parameter	Flag	Result	Units	RL
Chloride		< 0.500	mg/L	0.5

Method Blank (1)

QC Batch: 2140

Parameter	Flag		Result		Unit	S	RL
GRO			< 0.100		mg/l	L	0.1
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	riag	0.102	mg/L	1	0.100	102	73 - 120
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 2056

	LCS.	· LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Benzene	0.0975	0.0985	mg/L	1	0.100	< 0.000410	98	1	80.5 - 113	20
Toluene	0.0989	0.0991	$\mathrm{mg/L}$	1	0.100	< 0.000760	99	0	81.2 - 112	20
Ethylbenzene	0.0980	0.0981	mg/L	1	0.100	< 0.00120	98	0	82.2 - 112	20
Xylene (isomers)	0.297	0.295	mg/L	1	0.300	< 0.00183	99	0	80.6 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.0855	0.0878	mg/L	1	0.100	86	88	78.7 - 110
4-Bromofluorobenzene (4-BFB)	0.0869	0.0879	mg/L	1	0.100	87	88	77.8 - 110

Laboratory Control Spike (LCS-1) QC Batch: 2057

Param	LCS Result	LCSD Result	Units	Dil.	$\begin{array}{c} {\rm Spike} \\ {\rm Amount} \end{array}$	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0942	0:0945	mg/L	1	0.100	< 0.000350	94	0	77.7 - 115	20
Benzene	0.0942	0.0945	mg/L	1	0.100	< 0.000350	94	0	77.7 - 115	20
Toluene	0.0936	0.0940	mg/L	1	0.100	< 0.000550	94	0	76.5 - 114	20
Toluene	0.0936	0.0940	mg/L	1	0.100	< 0.000550	94	0	76.5 - 114	20
Ethylbenzene	0.0939	0.0944	mg/L	1	0.100	< 0.000690	94	0	78.7 - 112	20
Ethylbenzene	0.0939	0.0944	mg/L	1	0.100	< 0.000690	94	0	78.7 - 112	20
Xylene (isomers)	0.275	0.276	mg/L	1	0.300	< 0.00183	92	0	66.3 - 123	20
Xylene (isomers)	0.275	0.276	mg/L	1	0.300	< 0.00183	92	0	66.3 - 123	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Work Order: 3060619 Windmill Oil Page Number: 34 of 41 Windmill Oil

Surrogate	$rac{ ext{LCS}}{ ext{Result}}$	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0812	0.0766	mg/L	1	0.100	81	77	61 - 127
Trifluorotoluene (TFT)	0.0812	0.0766	mg/L	1	0.100	81	77	61 - 127
4-Bromofluorobenzene (4-BFB)	0.0811	0.0779	mg/L	1	0.100	81	78	72.6 - 130
4-Bromofluorobenzene (4-BFB)	0.0811	0.0779	m mg/L	1	0.100	81	78	72.6 - 130

Laboratory Control Spike (LCS-1) QC Batch: 2059

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Benzene	0.0944	0.0953	m mg/L	1	0.100	< 0.000410	94	1	80.5 - 113	20
Toluene	0.0933	0.0957	${ m mg/L}$	1	0.100	< 0.000760	93	2	81.2 - 112	20
Ethylbenzene	0.0933	0.0949	mg/L	1	0.100	< 0.00120	93	2	82.2 - 112	20
Xylene (isomers)	0.282	0.285	mg/L	1	0.300	< 0.00183	94	. 1	80.6 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.0800	0.0833	mg/L	1	0.100	80	83	78.7 - 110
4-Bromofluorobenzene (4-BFB)	0.0818	0.0803	${ m mg/L}$	1	0.100	82	80	77.8 - 110

Laboratory Control Spike (LCS-1) QC Batch: 2060

	LCS	LCSD			Spike	Matrix	•	•	Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	$_{ m Limit}$
GRO	0.854	0.898	mg/L	1	1.00	< 0.0261	85	5	78.1 - 124	. 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	$\mathbf{Limit}$
Trifluorotoluene (TFT)	0.108	0.113	mg/L	1	0.100	108	113	73 - 120
4-Bromofluorobenzene (4-BFB)	0.101	0.110	mg/L	1	0.100	101	110	78 - 120

Laboratory Control Spike (LCS-1) QC Batch: 2074

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	12.3	12.4	mg/L	1	12.5	<1.49	98	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 2076

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	12.5	12.1	mg/L	1	12.5	<1.49	100	3	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 2077.

Work Order: 3060619 Windmill Oil Page Number: 35 of 41 Windmill Oil

Param	LCS Result	LCSD Result	Units	Dil.	Spike	Matrix	D	מממ	Rec.	RPD
1 at atti	resuit	nesun	Omes	Dn.	Amount	$\mathbf{Result}$	$\operatorname{Rec}$ .	RPD	Limit	Limit
Chloride	11.7	11.7	mg/L	1	12.5	<1.49	94	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 2079

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
GRO	0.799	0.799	mg/L	1	1.00	< 0.0261	80	0	78.1 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

		LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate		Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)		0.0768	0.0768	mg/L	1	0.100	77	77	73 - 120
4-Bromofluorobenzene (4-BFB)	2627	0.0756	0.0756	mg/L	1	0.100	76	76	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 2083

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	${f Amount}$	Result	Rec.	RPD	Limit	Limit
DRO	28.9	28.0	mg/L	0.1	250	< 0.230	116	3	86 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD		į.	Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
n-Triacontane	14.6	14.9	mg/L	0.1	150	97	99	44 - 123

Laboratory Control Spike (LCS-1)

QC Batch: 2084

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	$_{ m Limit}$
DRO	29.2	26.7	mg/L	0.1	250	< 0.230	117	9	86 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	$_{i}\mathrm{LCS}$	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
n-Triacontane	14.2	12.1	mg/L	0.1	150	95	81	44 - 123

Laboratory Control Spike (LCS-1) QC Batch: 2088

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	12.9	12.8	mg/L	1	12.5	<1.49	103	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

<sup>&</sup>lt;sup>26</sup>Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

<sup>&</sup>lt;sup>27</sup>Low surrogate recovery due to prep. ICV, CCV show the method to be in control.

Work Order: 3060619 Windmill Oil

Page Number: 36 of 41 Windmill Oil

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	${f Amount}$	Result	Rec.	RPD	Limit	$\mathbf{Limit}$
GRO	0.974	0.840	mg/L	1	1.00	< 0.0261	97	15	78.1 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.107	0.0997	mg/L	1	0.100	107	100	73 - 120
4-Bromofluorobenzene (4-BFB)	0.108	0.111	mg/L	1	0.100	108	111	78 - 120

Matrix Spike (MS-1)

QC Batch: 2074

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	1280	1280	mg/L	50	12.5	696	93	0	32.7 - 136	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 2076

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	89.6	89.2	mg/L	5	12.5	30.4	95	0	32.7 - 136	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1)

QC Batch: 2077

	MS	MSD			Spike	Matrix		•	Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	170	170	mg/L	5	12.5	115	88	0	32.7 - 136	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1)

QC Batch: 2088

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	736	732	${ m mg/L}$	50	12.5	138	96	0	32.7 - 136	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 2056

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.107	107	85 - 115	2003-06-06
Toluene		mg/L	0.100	0.0986	99	85 - 115	2003-06-06
Ethylbenzene		$_{ m mg/L}$	0.100	0.0996	100	85 - 115	2003-06-06
Xylene (isomers)		mg/L	0.300	0.296	99	85 - 115	2003-06-06

Standard (CCV-2)

Work Order: 3060619 Windmill Oil Page Number: 37 of 41 Windmill Oil

		<u>.</u>	<u> </u>				
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene	Tiag	mg/L	0.100	0.0965	96	85 - 115	2003-06-06
Toluene			0.100		. 98	85 - 115	2003-06-06
		mg/L		0.0975		85 - 115 85 - 115	
Ethylbenzene		mg/L	0.100	0.0970	97		2003-06-06
Xylene (isomers)		mg/L	0.300	0.293	98	85 - 115	2003-06-06
Standard (CCV-1)	QC B	atch: 2057			÷		
			CCVs	CCVs	CCVs	Percent	
			True		•		Date
D	T21	TT:4-		Found	Percent	Recovery	
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene T-1		mg/L	0.100	0.0907	91	85 - 115	2003-06-06
Toluene		mg/L	0.100	0.0901	90	85 - 115 85 - 115	2003-06-06
Ethylbenzene		mg/L	0.100	0.0903	90	85 - 115	2003-06-06
Xylene (isomers)		mg/L	0.300	0.265	88	85 - 115	2003-06-06
						•	
Standard (CCV-2)	QC B	atch: 2057					
			CCVs	CCVs	CCVs	Percent	
			$\operatorname{True}$	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/L	0.100	0.0923	92	85 - 115	2003-06-06
Toluene		mg/L	0.100	0.0918	92	85 - 115	2003-06-06
Ethylbenzene		mg/L	0.100	0.0915	92	85 - 115	2003-06-06
Xylene (isomers)		mg/L	0.300	0.268	89	85 - 115	2003-06-06
Standard (ICV-1)	QC Ba	tch: 2059					
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/L	0.100	0.0971	97	85 - 115	2003-06-07
Toluene		$\mathrm{mg}/\mathrm{L}$	0.100	0.0977	98	85 - 115	2003-06-07
Ethylbenzene		mg/L	0.100	0.0970	97	85 - 115	2003-06-07
Xylene (isomers)		mg/L	0.300	0.292	97	85 - 115	2003-06-07
a		. 1 00-0		•			
Standard (CCV-1)	QC B	atch: 2059				_	
			CCVs	CCVs	CCVs	Percent	_
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		$\mathrm{mg/L}$	0.100	0.0948	95	85 - 115	2003-06-07
Toluene		mg/L	0.100	0.0947	95	85 - 115	2003-06-07
Ethylbenzene		mg/L	0.100	0.0929	93	85 - 115	2003-06-07
Xylene (isomers)		mg/L	-0.300	0.279	93	85 - 115	2003-06-07

Standard (CCV-2)

Work Order: 3060619 Windmill Oil Page Number: 38 of 41 Windmill Oil

90 - 110

99

2003-06-09

Document	#03-199-00	00605	,		Windmill O	il 			Windmill O
				CCTT	0.077	~~		<b>.</b>	
				CCVs	CCVs			Percent	D-4-
Param		T31	TT:4-	True	Found			Recovery	Date
	<del></del>	Flag	Units	Conc.	Conc			Limits	Analyzed
Benzene			mg/L	0.100	0.0932			85 - 115	2003-06-0
Toluene			mg/L	0.100	0.0934			85 - 115	2003-06-0
Ethylbenzei			mg/L	0.100	0.0931			85 - 115	2003-06-0
Xylene (iso	mers)		mg/L	0.300	0.277	9:	2	85 - 115	2003-06-0
Standard	(ICV-1)	QC Batch:	2060						
				CCVs	CCVs	CCVs		Percent	
				True	Found	Percent	<del>.</del>	Recovery	Date
Param	Flag	Units		Conc.	Conc.	Recover		Limits	Analyzed
GRO	1 145	mg/L		1.00	0.866	87	<u>y</u>	85 - 115	2003-06-0
				1100					
Surrogate			Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
	uene (TFT	\	1 lag	0.110		1	0.100	110	73 - 120
	orobenzene			0.110	mg/L	1	0.100	108	73 - 120 78 - 120
IOIIIOIII	oronenzene	(4-DFD)		0.100	mg/L	1	0.100	100	10 - 120
Ĺ									
Standard	(CCV-1)	QC Batch	: 2060						
				CCVs	CCVs	CCVs		Percent	
				True	Found	Percent	t ·	Recovery	Date
Param	Flag	Units		Conc.	Conc.	Recover	у	Limits	Analyzed
GRO -		·· ··· mg/L		1.00	0.850	: . 85.	n o sanahan	85 - 115	2003-06-0
							Spike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount		Limit
	uene (TFT	)		0.107	mg/L	1	0.100	107	73 - 120
	orobenzene			0.100	mg/L	1	0.100	100	78 - 120
Standard	(CCV-2)	QC Batch	ı: 2060				·		
				CCVs	CCVs	CCVs		Percent	
				True	Found	Percent		Recovery	Date
Param	Flag	Units		Conc.	Conc.	Recover	у	Limits	Analyzed
GRO		m mg/L		1.00	0.887	89		85 - 115	2003-06-0
		:					Spike	Percent	Recover
Surrogate			Flag	Result	Units	Dilution	Amount		Limit
	uene (TFT			0.107	mg/L	1	0.100	107	73 - 120
4-Bromoflu	orobenzene	(4-BFB)		0.0977	mg/L	1	0.100	98	78 - 120
Standard	(ICV-1)	QC Batch:	2074						
	,			CCVs	CCVs	CCVs	5	Percent	
				True	Found	Percen		Recovery	Date
Param	Flag	Units		Conc.	Conc.	Recove		Limits	Analyzed
Chlorido	- 105	- /T		12.5	12.4	00	<u> </u>	90 - 110	2003-06-09

Standard (CCV-1)

Chloride

QC Batch: 2074

mg/L

12.5

12.4

Work Order: 3060619 Windmill Oil Page Number: 39 of 41 Windmill Oil

			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recover		Limits	Analyzed
Chloride		mg/L	12.5	12.5	100		90 - 110	2003-06-09
	•	<u> </u>				•		
Standard (	(ICV-1)	QC Batch: 2076						
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	У	Limits	Analyzed
Chloride		mg/L	12.5	12.5	100		90 - 110	2003-06-09
Standard (	(CCV-1)	QC Batch: 2076	•					
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	У	Limits	Analyzed
Chloride		m mg/L	12.5	11.9	95		90 - 110	2003-06-09
					· .	•		
Standard (	(ICV-1)	QC Batch: 2077						
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent		Recovery	Date
Param ·	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
Chloride	17 1.55	mg/L	12.5 88 %	. 11.9			90 - 110	2003-06-09
Standard (	(CCV-1)	QC Batch: 2077						•
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recover	У	Limits	Analyzed
Chloride		mg/L	12.5	11.7	94		90 - 110	2003-06-09
	( · )							
Standard (	(ICV-1)	QC Batch: 2079						
			CCVs	CCVs	CCVs		Percent	
_		i	True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
GRO	28	mg/L	1.00	0.806	81		85 - 115	2003-06-06
		•			•	Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limit
Trifluorotolu	iene (TFT)		0.0778	mg/L	• 1	0.100	78	73 - 120
4-Bromofluo		4-BFB)	0.0784	${ m mg/L}$	1	0.100	78	78 - 120
							···	

Standard (CCV-1) QC Batch: 2079

<sup>&</sup>lt;sup>28</sup>CCV outside normal limits due to reprossessing error.

Work Order: 3060619 Windmill Oil

Page Number: 40 of 41 Windmill Oil

2003-06-09

			····					
		•	CCVs	CCVs	CCVs	ī	Percent	
			True	Found	Percent		Lecovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
GRO	29	mg/L	1.00	0.823	82		35 - 115	2003-06-06
						0.0	D .	D.
C		Di	D 1/	**	T):1 .:	Spike	Percent	Recovery
Surrogate	(minon)	Fla	<u> </u>	Units	Dilution	Amount	Recovery	Limit
	luene (TFT)		0.0721	mg/L	1	0.100	72 75	73 - 120
4-Dromonu	orobenzene	(4-DFB)	0.0752	mg/L	1	0.100	10	78 - 120
Standard	(ICV-1)	QC Batch: 20	83					
			CCVs	CCVs	CCVs	I	Percent	
		,	True	Found	Percent	R	lecovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	268	107	7	75 - 125	2003-06-08
Standard	(CCV-1)	QC Batch: 2	083				•	
			CCVs	CCVs	CCVs	I	Percent	
ı			True	Found	Percent		Lecovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	277	111		'5 - 125	2003-06-08
G. 1 1	(CCTT 0)	000.10					,	
Standard	(CCV-2)-	≈ QC Batch+2	083	- 1	· · · · · · · · · · · · · · · · · · ·			se promise es sis
	•		CCVs	CCVs	CCVs	1	Percent	
			True	Found	Percent	R	Lecovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	294	118	7	75 - 125	2003-06-08
${\bf Standard}$	(ICV-1)	QC Batch: 20	84					
			CCVs	CCVs	CCVs	J	Percent	
			True	Found	Percent	R	lecovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	272	109		'5 - 125	2003-06-09
		:						
Standard	(CCV-1)	QC Batch: 2	084					
	-		CCVs	CCVs	CCVs	ī	Percent	
			True	Found	Percent		lecovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
rataiii	riag	OHILS	COIIC.	COHC.	riecovery			

281

112

75 - 125

Standard (CCV-2) QC Batch: 2084

DRO

mg/L

CCV outside normal limits due to reprossessing error.
 CCV outside normal limits due to reprossessing error.
 CCV outside normal limits due to reprossessing error.

Work Order: 3060619 Windmill Oil Page Number: 41 of 41 Windmill Oil

,			CCVs True	CCVs Found	CCVs Percent		Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	•	Limits	Analyzed
DRO		mg/L	250	284	113		75 - 125	2003-06-09
Standard (	(CCV-3)	QC Batch: 2084						
			CCVs	CCVs	CCVs		Percent	
	•	•	True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
DRO		mg/L	250	264	106		75 - 125	2003-06-09
				•	."			
Standard (	(ICV-1)	QC Batch: 2088				•		
			CCVs	CCVs	CCVs	*	Percent	
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	<i>t</i>	Limits	Analyzed
Chloride		mg/L	12.5	12.7	102		90 - 110	2003-06-10
		•			•	•	•	
Standard (	(CCV-1)	QC Batch: 2088	1					
			CCVs	CCVs	CCVs		Percent	
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	7	Limits '	Analyzed
Ghloride	و سرر مسودر	${ m mg/L}$	- 12.5	12.7	102		-90 - 110	2003-06-10
				*				•
Standard (	(ICV-1)	QC Batch: 2140						
			CCVs	CCVs	CCVs		Percent	4
			True	Found	Percent		Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Limits	Analyzed
GRO		mg/L	1.00	0.979	98		85 - 115	2003-06-09
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount		Limit
Trifluorotoli			0.109	mg/L	1	0.100	109	73 - 120
4-Bromofluc	orobenzene (	4-BFB)	0.102	mg/L	1 ·	0.100	102	78 - 120
Standard (	(CCV 1)	QC Batch: 2140						
Jumaru (	(CCV-1)	QC Daten. 2140			•			
·			CCVs	CCVs	CCVs		Percent	Data
Dana	E1	TT:	True	Found	Percent		Recovery Limits	Date Analyzed
Param GRO	Flag	$\frac{ ext{Units}}{ ext{mg/L}}$	Conc.	Conc. 0.904	Recovery 90		85 - 115	2003-06-09
GILO		mg/L	1.00	0.904	90	-EL-T	00 - 110	2003-00-03
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount		Limit
Trifluorotolu			0.108	mg/L	1	0.100	108	73 - 120
	orobenzene (	4-BFB)	0.116	mg/L	1	0.100	116	78 - 120

DIOH 0 4 2 Turn Around Time if different from standard CHAIN-OF-CUSTODY AND ANALYSIS REQUEST ピアニングア・ニーフェ Check If Special Reporting Limits Are Needed HQ, TSS, pH LAB Order ID # 306.00 Circle or Specify Method No. Pesticides 8081A/608 **ANALYSIS REQUEST** 628 PCB's 8082/608 GC/MS Semi. Vol. 8270C/625 CC/W2 AOI: 8560B/624 REMARKS 498 TCLP Pesticides 39 TCLP Semi Volatiles Log-in Review MS TCLP Volatiles TCLP Metals Ag As Ba Cd Cr Pb Se Hg LAB USE Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 Carrier # LDS PAH 8270C 2001XT\1.814 H9T BLEX 8021B/602 MTBE 8021B/602 1/2/03/630 6/2/03 (530 3/02/037 13631300 6/3/03/618 6年6月 740120E16 SAMPLING **TIME** Soll Egles 6[3[63][333 (5/03/1535 14/63 DOO 55 McCutcheon, Suite H Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 El Paso, Texas 79932 **DATE** (505) 246-1600 246-2600 NONE × Sampler Signature Project Name: METHOD CE NaOH Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C OS2H Date: Date: (50S) <sup>€</sup>ONH ORIGINAL COPY TraceAnalysis, In HCI 义 × × × X × × Phone #: Fax #: 920 STADGE MATRIX AIA New Mexico TIOS 6501 Americas Parkway NE Suste 820 Albumingle NA **MATER** Received by Received by Received at InnomA\amuloV # CONTAINERS ١ 3 2 2 fime: Time: 509000- 661 -60 Olson Jesome Marez FIELD CODE Mavis Williams Emma Owings Williams Vicqil Whithman 6/5/03 James Way Rodrigues # Date: Date: J Cleveland Dwain Dobbs (Street, City, Zip) 8:11 SPUD COX Windmill となっ十 6701 Aberdeen Avenue, Ste. Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 If different from above) Document# Company Name: Relinquished by: Relinquished by: Relinquished by: Contact Person: Project Location LAB USE ONLY nvoice to: LAB # Address:

DIOH Turn Around Time if different from standard CHAIN-OF-CUSTODY AND ANALYSIS REQUEST Check If Special Reporting Limits Are Needed 30006 Circle or Specify Method No.) 4624 Pesticides 8081A/608 **ANALYSIS REQUEST BCB.2 8085/608** GC/MS Semi. Vol. 8270C/625 49.8 CC/W2 AOI 8560B/624 REMARKS RCI TCLP Pesticides LAB Order ID #\_ 39 TCLP Semi Volatiles TCLP Volatiles ICLP Metals Ag As Ba Cd Cr Pb Se Hg LAB USE N (3) ONLY Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 Carrier #UDS Headspace TPH 418.1/TX1005 Temp / BTEX 8021B/602 MTBE 80218/602 615631125 65/03/0950 6/5/03 1055 6/5/03/20S SAMPLING 6/5/03/1012 6|563|1305 **TIME** 6/403/020 J463 1200 463 337 14/03 1430 12/03/227 155 McCutcheon, Suite H El Paso, Texas 79932 000 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 **3TA**@ 505 - 246 - 2600 Phone #: 505-246-1600 NONE PRESERVATIVE Time: METHOD CE 6603 HOBN Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 'OS<sup>2</sup>H Date: Date: Date: ORIGINAL COPY Sampler Bigna Project Name: HCI × X × × × Fax #: fraceAnalysis, STUDGE MATRIX 9 AIA 6501 Americas Parkway NF Suite 820 Albuquerque NM 97110 ROIF **H**3TAW Received/at Lab Invoice to: (If different from above) Bill Olson - New Mexico Received by: Received by: InnomA\amuloV # CONTAINERS Time: 9 Time: Time: 03-199-000605 FIELD CODE Marce Inc. Stansberr, #2 Pfeitfe Compos Musey J. Garnsey Date: Sandova (Street, City, Zip) Serbo L& H Coons 2700 Tipps Stanbury -ntra 345 6701 Aberdeen Avenue, Ste. Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 Windmill j Document # Project Location: Company Name Contact Person: Relinquished by: Relinquished by 01 25 Relinquishe (LAB USE) 05/12 **148** ONLY S Project # Address:

je 📜 j 3

Turn Around Time if different from standard CHAIN-OF-CUSTODY AND ANALYSIS REQUEST Check If Special Reporting 300,0 chloride 306061 Hq , SST Limits Are Needed (Circle or Specify Method No.) Pesticides 8081A/608 **ANALYSIS REQUEST** GC/MS Semi. Vol. 8270C/625 6 CC/W2 AOI: 8560B/624 REMARKS BCI 4 TCLP Pesticides LAB Order ID #\_ 1739 TCLP Semi Volatiles TCLP Volatiles TCLP Metals Ag As Ba Cd Cr Pb Se Hg LAB USE ONLY Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 S Log-in Review Carrier #CLD Headspace TPH 418.1/TX1005 BTEX 8021B/602 MTBE 8021B/602 4|Slb3| 1447 SAMPLING ¥MIT 6/slos 1410 115/63/1511 El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 155 McCutcheon, Suite H **BATE** (202) 246-260D 16003 Phone #: (505) 246-1600 NONE PRESERVATIVE Time: Time: METHOD ICE Windmill HOBN Sampler Signature: Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. OS2H Date: Date: TraceAnalysis, Inc. €ОИН Project Name: HCI 乂 × Fax #: 900 MATRIX STADGE 4501 AMBRICAS Perkunny NE Suit 820 Albequerque NA 87110 AIA NOS (If different from above) Bill Olson - New Mexico **H**3TAW Received by: Received by: Received at fnuomA\amulo\ DOCUMENT # 03-199-000605 # CONTAINERS 645 Time: Time: Jerome Marcz FIELD CODE 18 Stoneman 6/2/03 Veal King Clover Date: (Street, City, Zip) 7 6701 Aberdeen Avenue, Ste. Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 Windmill Company Name: Relinquished by: Contact Person: Relinquished by Relinquished (LAB USE) Invoice to: LAB # Address:

ORIGINAL COPY

# APPENDIX 3 FIELD NOTES

			5/27/03
	CONTENTS		
PAGE NÓ.	REFERENCE	DATE	(6.00 005) - 10 Hobbs
			Rober around Lakin for
			Addresses on list for Samplit
			tound the First Ll appointment
			celebresses and became familiar
			With the Sampling area ingines!
			ר אכבייני נגי יירו אוסור כנועל
			Went through Sample bottles -
			placed Them in baggies
			CS KITS for Sumplify Johnstow

6(5/b <sub>3</sub>	03 Kinhad Clark	615103	Konen d Cheil
1430		1525	After labelly Sample Collected from
	touned on Mose bib in front		B Glover - Called Lisa Mocre & Howell
	Of vesidence - Brent Stonemin		Residences - didnot get answer.
	GPS Murked WOOTHT	,	(yent for I de and began to
)	coils N 32,72427		nack Godens for Shipment to
	W 103.18084		trace Analysis Via UPS
	Sample Collected from hose bib	-	
	•	1655	(oplers (200) wore backed with
			Despleabyged Ice and Bubble was
1455	1455 Onsit at 2012 N Gay Ln Benjamin		for balance of space and religioushed
	Glover residence, hose bib Those		at yes fer yes AIR (Next Dy
	formed on and allowed to run		Delivery Usich Tabel provided by Trace
	GPS Marked WOBYB		
Ú	cords N 32, 72273	1700	Offsite back to Alba
	W 103, 18(05		
	Trista Says Here is oil in the		
	Water- you Can See it and taste it		
	Sumple taken from Hose Bib @ 1511		
	labbed B Glover		
-			

6/5/03 (terms (terms ) (terms )	6/5/03 (Conjust Clark
1155 onsite at 2131 12 act LN,	Dressure tank with hose bib outside
Leonard and Silvin Stansberry	Centinuing to Fun So pump would Stay
Speke With Siria an phone is	On Sample Collected @ 1227
The is laid up - her employee at	Lesbled Steinsberry #-2
Showing has the cool of as the	
are 2 on oraport the trust	1670 SOCY W. Service Ka Carrier
Well has a primarent hose affected	Turned on hose bib trom Side
CLAS 15 alway FUMIN FILLING JD a	(v. from concentration to ken
Lilly pend in the Wacksland. The	(185 labeled 100 845
Sample was callected from the biose	( boods 1) 32,72523 W 103 18491
Marging in a tree filling The pard	
Sample Collected @ 1205 and	
- 1	
(51') (carls N 32,72422 W 103,18642	1350 Slepped @ 4001 Mahan Dr Next King
1215 A.C. O. WORGS	
	Mr. King Said he had 3 wells
tertalizer System a hose was torned	but on y one had a pump and the
On Sc pund woold run	otlers had Benzer So pourps pulled
CTVS Marked WOBYY	Sample Collected Though hose samently
12 HZL 128 N 32,724 ZI	(consider to lose 1, b @ 1410
W 103, 186, 28	Labled neal King
Sample was collected from hose	GPS miled INOX46
Dib inbetween well and	Coords 132,72112 W 103,18448

Belgin Burkeya bel ayan ber bilanci bi

79	6 (5/03 Earld (b.il	65/03 Komd Ch.11
7530	Stood of 4011 Bonder	1042 Onsite at 2209 Rebert LN
٠, ر- ا	San Pheter Said I could sompte	
	works hose was turned of at hose bib	Of house, Sundanil Pesideni
To be the second of the second	off Front of the house	GPS maked NUOB41
	the well, s (cleared in Front of	Coolds N 32,72520
	house GPS Labeled WOX39	N. 103, 188 30
	Cards N 32.72553 W 103.18756	Sample Collected from Hose bib in front of horse
	Sample Collected @ 1958 1abled	Sumple time 1055 Labeled L Sandovel
	J' Pfeifter	
		1105 Stepped at 2204 Robert LN
0.356	0956 Stopped at 3931 W Bender	
the day are bring distance of a	Verita Tipps residence - She Said Fe	right the ware on the Same water
	Sample at the well house from hose	She and hosband only rent the trusher
A COMMAND OF SERVICE COMMAND A SERVICE COMMAND	D.D. Inside Mer house She has a	trined power on to well and
	Softier but at hose bib year is not	water came out of hose bib outside
:	The water was turned on	of pump house the pump kicked on
	(JPS Marked WORTHO	When power turned on
)	Dords N 32,72558	1125 Sample Collected from hose bib
	W 103, (8691.	noted @ 1125 Lubled LAH Cons
wy d spłężny namode trong d sp. de sp. mar / ma madamys w v	Sample Collected From hose b.b	GPS marked WOOVYZ
	at wing house @ 1012	Coods N 32,72498
E SHENDER OF A PROPERTY OF THE STANDARD COMMENTS OF THE STANDARD S	Labled V. Tipos	(W 103, 18778 ;

1 hills	1415 Stopped at 2129 Robert lane -	Grenze Compes Residence, Grosse 445	not how. but his son said we could	Sample and he filled out the survey	water was warmen from 2 hore bibs	watering The lawns	Sample was Collected from hose bib	off the house @ 1430 and labeled	G. Compos	GPS Marked WON 3R	Codds N 32,724/8 W 103, 18813		Out of Samole Rits		1600 got Sample Kils from matel		Unable Laget more Sampling	Core 1 ochy					MW		
6 (4/6.3	The water from This well Serves		1200 water Sampled from hose bib in	Middle of yard - Sample time 1200	Laboried RV Kerbo	GPS marked 120036.	(Conis N 32.71965	(v) (03,18cf		1240 Checked at motel - have not	<b>국</b>	Kits tet		1325 Stopped at 1823 Gay lane	Gaven Muney Said I Could Singole	The water. She showed me where she	Thinks The well is, tuned linter	on at hose bite behind the house	Karen told me 45 She did not own the	house - The owners last name is Davis	Sumpled from Hose bib eff house @	1337 Labeled K Mines	GPS marked woods7	Goords N 32.72163	

6 4 63 Renad Clark	hobbles in it or the House ready	heck of Uoa and were hard to remove	Sample + me was 1020 and labled Rodriguez #2 (1917 car Llu)	Conds. N32,72634 W 103,18607	1130 Stepped at 1708 Gary lane	He Soid the Well was 120' deep but	Sgd 1/2 state had tested water between but hadink done anything 20 Said	Tould Sample at his offer house		For watery as in 1983 water work ball places.
(1) 103	At hose bib of theuse and allowed to run. The Sample Will be dellected From hose hib in one house hopen notices	tank.  Sample Collected @ 1000 Labeled	Robrigue 2 # 1 (1919 Carl) GPS murked WOOD34	1005 Hooked Up hose to hoselib of	pressure tank on 200 Well	but quickly became a brown /rusty	from the worth Started to poddle		twok from hose bib. Oil like sustance	the 40ml 1609s Were Very difficult to Collect without headspace. The water seemed to have incre

Charles of the state of the sta

4/3/02		Ken d Chak	6/4/03	Koreed Clark
	Sample Collected from hose bib off house	house	0845 CASIN at	CASite at 2033A - Dwain Dobbs
	@ 1618 labeled J Cleve and			He has been watering trees this ifm
			1)2 Well in	The well is accross in street from
	2114 air Residence did not		200795 1100	Well Serves The Church, his trailer and
	mpling Dom		ر عال مال	the one next to it.
The state of the s			3 C C C C C C C C C C C C C C C C C C C	Sample taken @ 0900 and
		:	GPS Marked WOB3	id W083
Shil	1345 Raining		(cords N 32.	Court N 32,7229 2 W 103,18739
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \				
1500	0 175, 12		CTD Went TO TY	Control looking for Rowing Lee. He is
			ON Sec.	on Sec 30 list He was offsite
			but spike	but sixte to his wife - his house is
			on the So	on the same well as the Store, The
			Well at his	well at his house has not operational
			0950 Stopped at	Stepped at 1919 Care Ln - Amedor
A STATE OF THE PARTY OF THE PAR			Rodriguez	Rodriguez has 2 wells - one
			1 to his h	to his house and one tor 2 Trailors
			1. July 1	That our man to this normal ins
			Water Wa	Water was turned on at house
1				

Mr. Whithea Seid to check as he may want water sampled.  Indicated he has been busing Battled allowed to run for and sold and his anter sampled.  Indicated he has been busing Battled allowed to run for action moules.  Indicated he has been busing Battled allowed to run for action minutes.  It was last fair whater started on and allowed to run for action minutes.  It was the was been busing better sold on and allowed to run for action minutes.  It was the was taken from hose bib directly better was taken from hose bib directly better was taken from hose bib directly better as 1333 and Samples labiled Soud Cox.  CAS where was taken from hose bib directly for life and he asked what; there for he said he asked what; there for he said he asked what; there for he said he would be here in to min.  James aurives of his fees.	6/3/02 Kenind Chik		900x 400' away from residence The			3	7	1605 Onside Joe Clerkland residence.	tank is a bank Soffner Sistem  Torned hose bib on at house.  GPS marked WOØ32.  Coolds N 32,72188
	613/03 Kourt Cluck	Mr. Whithman Soid to Check as he may	Mr. Cox did want his water Sampled -	water as last fair water started soing	allewed to run ter a few minutes. There was a hose bib directly off the well head and no pressure tax	Sumple was taken from hose bib	GRS Warked WOB36 Coords W 32,72028 W 163, (814	Wr. Cox filled out survey for	<del>  2</del>

The first of the f

6/3103 King Clark	613103 Kenre A Cherk
	Water has been running for over Thour
MN Cath Carletter College	At here I have sall valve to
	3 Cecilenos - 2 trailer & house, Addresses
Sk Indiate (by open) That here	Unknown
water goes Through a Saftner	Sample taken @ (105 labeled
-walked across the greet to Kelly	Tw weddle
Williams residence and torned on	GPS Murled WODZ8
hose dia sed	Courds N 32,724/7
Sample taken from Masis Williams	
(2) 1037 Labeled Mays Williams	T filled out paper for Two and he
GPS mulied WOOK26	() pared 11
(Socids 1) 32.72499 W 103,18034	
	1250 Stepped @ 1902 Gary Ln - Virgil (w) Howars
Kelly Williams Sample taken @	
(047 (abeled Kelly williams	thing works to be Sampled, Vir,11 Sid
CPS Marked WODZY	yes and Filled out Form
(words N 32.72447	He had been runing the Hob since
w 103,17903	6330 This am inthe face.
	Sumple Cellected From hose bib in the
The Mezzhbor of Mavis (next) and kelly (accoss)	Vard @ 1300 (abeled Grigil Whittman
Was Water his and this name its Two weddle	GPS marked WOG29.
but is not on list for Section 3 which he	(2016) N 32,72113
is in and uses a well for water	V 103,18109
Called Jerom and he said to sample	

2/9	6/2/03 Konad Clark	6(2/03 Kerrend Clerk
ωh,	ONSIL: 1 Helbs, HOT-95°	[615 onsite at Emma Owings Residence
	Stepped at Walgreens For bassies	
	and check in to moth	Well Can be sampled below pressure tank
1500	Tried for about 1/2 hour to	Cycr1s N 32,72460 W 103,18068
	Calibrate The coltton multimeter	Pump was run for about 5 minutz prior to
	but it will not calibrate	Sampling
	Sturting to Gall people to Sample	Sumple the 1630 labeled Emna Olvinss.
	Stract	Sumple talen from Copper tube off
		Well hend belon pressure funk
1520	Onsite at 2117 French Dr.	
	which is listed as gacker sales on list	1930 Spoke with Kelly Williams-he
	Water found on in battroom Sing	Said I Could Sample tomorrow but
		to call his man when I so us
1530	Sungle taken from bathreem sint	She lives accross from Nine
	Laboled Packer Sales time 1530	
	GPS Labled WOK24	
	(Colds N 32, 72238	
	W 103, 16,280	
1550	Called trace And 15,5 Ao Versty	
	·	
	without problem spoke with	
	Lie and they prived Fine	

50	5/30/03	5/30/03
0830	0830 Sturt Makirx Shon Calls	Cond (
		(9,3 5,89 678 "
00,00	0400 Unstructionment Tim Collins at his	0.16
	W Binder location for The Well	Sample Celected from hose bib in Food year
7010	0907 turned on faucet outside in just	Sample time 0930 Labeled Jim Collins
	Comes from well to house to fard	1. his to make and offer appointments tokey
	The Well Dien Sampled is a new well	Defere noon.
	The old well is in back and has	pocked Ceoler for Shipping including
	pomp Still in It but no electricity	CCC, Called ab and Spoke With VICKY
	There is also another property is to	
	book well and know hat as electricity	11 C Linkly Delivery tay is an coler
	So on y one cot of 3 will be	
	Sampled	1220
A TOTAL OF THE PROPERTY OF THE	GPS maked WOØ23	-
	Coords N 32, 72596	
	W (03.18020	Will be delivered 5/3/10\$ to 11900
	l	1220 Hacdin, back to Aby
	installed because it ald room wast had	
	Litt of	

The transfer of the second 
The second secon	
5/29/03 Kanal Cheil	5/29/03 (Sound Clark
1626 MS + Was yetting Keach to leave	The survey of where we were survey that that the Blowed
Reymond Stone's Shop, He has been	ime hose bit en side of house which
busy and didnot send his survey	had been running for a par 20 min
in but would like water Sample	Watern The horses and had Just been
11.21 till 1 an water - has his	luned oft when I arrived
28 from well & pressure tank	time temp of Cond Color order
before house.	21,3 7,37 1191 Clear
time trup OH and Oler order	1708 20,7 7,36 1173 "
22,6 7.65 545 clour	1709 20,5 7,33 1177
Sample Collected @ 1640 labeled	Sample Collected @ 1715 (abelled
i	ayor. The Sample was Collected
This is a replacement well to	trem the hose Dib GHT The MOUSE. The
about 156 - the First well	HIC COMES from Well Though Softher
had Collapsed	CPS maked Into MOSE
went Dack to taylor Cendence	Conds N 32,72139 W 103,16560
- there was a + rock There, Rahs	
Doer bell and Spoke with	1800 Finished log book, Packed Sanges
he said property this 20 wiles away	in coler good, Finished for Day
Southers 79 & 20 His Were Sanding in	074 51 46
	The state of the s

4)	5 (29/0)	,, 5/29/03 Kenrad Check
1410	ensite at Cidy Schan Residence	electionic equipment Could not
	and turned on 4,0 from the bib outside.	get parameters. Sample was taken
-	Well murted GPS WOO18	from hose bib. It was difficult to
	Coolds N 32,72507 W 103.18817	set vor's without headspiece as Hill
,		Was very airaled - looked like choiseled
4	temo OH Cond Color ador	Deverage
	7.14 778 clear	Simple time 1540 Labelled Joyn Dobbs
1423	7,15 778 ''	GPS marked WOD19
1425	7,14	Coolds N 32,72541 W 103,189,85
-i°os	Ç	
	Scuple tra 1430 Labeled Cirdy Selman	1545 Drove by taylor residence - no one
		home jet
1488	1458 onsite at Taylor Residuaci - No and answers	
	dm. called Beth - Ste Soid her Sen was	1555 On sile at Rymond Stone's Shep
-	52. h.s. wa.	transfor Findst Just off well
1525	Still no one at taplar Russidence. While	and before pressure tank.
	Weiting mode some calls and got	$\dashv$
	a hold of Joyc Dobbs but he was	(620 Turned off water, disconnected have
	Conly going to be available for about	and collected simple from hose bib
	1/2 hove, want to meet Jane Dabbs -	Just off well befor pressure tank.
	hose bib was used to sample from	Sample Time 1620 Laboled Raymond Stone
	Inside Shop Building Joye Ma been	
	Using hose to wash vehical but	GPS mirked WOOFZE
	due to proximity of tool Box -	Coords N 32,72250 W 103,17964

5/29/03	03	2	King Clerk	5-lizilo3			Kond. d Clerk	J.C.lens
				1230 Feerd 6	Found Elizabilh Ivery rasidine	54 (05,0 JAC		İ
1050	onsite at Gara	Somes Sampling Site	ย	Water has	Water has been voning outside all day	cufield all	day	
	Cris Showed me where	we well was and	Scaple	Becelyn	according to John- nedew	epew		
	Print - Khin Fi		Stund	GPS ma	GPS Murked WODIG	ي ع		
	1	W0014		( Sold Sold	(ourls N 32,72557	W 103.17973	1973	
		7		tine tem		(ord: O	[	opo
	W (03.17528	12 <b>3</b>			6.95	1108	Clear	2007
+	temp pH	end Color	odor	1242 19,0	19,0 6,96 1103	163	÷	ラ
101	23.2 7.27	Clerc	Nore		Scriple dollected from hose bib off house	in hereby	off how.	Š
110.3	23,3 7.27	11	),	Sample +1	Sample tim 1245 Cabeled John Ivory	beled John	1.ort	
	Gar, Sub he has	been watering Trees	65					
	all maning So tan	ہد		13co onsite	onsite at Debra Dixen rasidance	Dixen rasid	lent c	
-9-	Sample Collected ec 106		and the state of t	of had bad to	They had topotinnew well due to 0:1 and swill	due to Oil	and Shol	
	Cabiled Gary Sones	1		inthe old well-would like to speek with Soneone	- Would 1. Ke	to speck w	in the Some	Ohc
				Gran State but They will not reduce his Eq.11	Bot they will	not return	his C	£.//
1130	turned water on	Turned water on at hosebib. has been ruming	T U "nainy	1308 water to	ind on			
	This merning Wothern	r Flaucri		GPS MKILLE	GPS Marked WOR'T			
	GPS miled wooks	5)(		( cc.ds N 32. 72297 W 103.18192	w 72257.	103.18192		
	(wolds N 32,72358	8 W 103,18262		time temp	) Ha	Cand Color		cder
+ ime	temp of	Cond Color	nder		7,35	784 Clerr		No.16
(137		(647	None			787		= .
1139	20,1 7,27	-	1.7	1318 21.5	7.37	., 922	_	
1140	77.0 20.02	الروح دد	: : : : : : : : : : : : : : : : : : :					
	Sumple tyten from h	Scriple taken from hosebib @ 1145 Labeled	-		-			:
	Dernis wilks - h	hose bibwas betore			- 2			1
	gessone tank &	house						
					_			

70.16

coder

Jopo

Konned Clork

(Vone

5/26/0:3 Kema Cluyk	,5/29/03 Kennid Clul
1718 Met Lary Codyan at his buismis	0830 Calibrate cakton multimeter
turned on water water comes directly	Using 4,7\$10 Buffers
but of well to PUC & 5 hose	6900 Onsite at westback oil for Saupling
bibs used for watering his garden	Started Water in Bathroom from Sink
GPS Marked WORII	GPS Marked WOXIR
(words N32,72360	Coolds N 32, 71468
W 103, 16 2 64	W 103,17339
	time temp of Cond Color
time temp of Cond Color about	21.6 7.13 897 clear
19.17 3% 25.7 (1.1)	21,6 7,12 896 "
(9,0 7.39 968 "	21.7
. !	Swingle Collected from bathroom sint forcet
	Sumple time 0918 Labuled Westbrock oil
Sample Collocted @ 1733 Laboled	
Collected from hose bib duectly offwell	0950 ensite at IT Juckson Sample Site
	turned on hose bit on side of house
1800 offsite for evening	GPS Murbed wood 13
	Cu. ds N 32,72003 W 103,16595
	Cond
	1012, 21,5' 6,99 1448 Cless None
	21.1 6.97 1449
	1015 21,1 7,00 1428 "
	Sample Collected @ 1018 Labelled IT Jackson
	Sample collected from Charlen hose permantly
	Fixed to hose bib

5/26/63 Kan d Clark	5/28/c3
1520 ensite at 18tD met Justin muserave	1559 One, to of max Willite's Resident
he showed me the well /ta	Hose bib torned on
15 no hose bib at that, water being purged	GPS Marked Wood
50' from Dump out of hose bib on Job tour les.	( out ds N 32,71932 W 103, 16605
Started Porce 1523	
GPS murked woods	time temp 1014 Color ober
Cachs N 32,72649 W 103,17415	22,3 7,40
	7.36 912 "
time temp OH and Cobr oder	
20.7 7.45 681 Clear	-
1, 1, 67 3 PH. T.	Sample time 1610 Labiled Maxwhite
7.43	Sampled from Hose Permantly Connected to
	hese bib outsile house
Sangle taka From Hose bib @ 1540	
Labeled B& D Services	1620 onsite at Ocla Chuz Residence
	No one assurers door but spake to Benny perlie,
Checked on 2nd Well across the	he Said to go ahead and get Sauple : throughness
Street from 1st Well 60+ it was	GPS Marked WODID
MOX working. The piessure temb was	Coords N 32,721,90 W 103,16553
	time temp off Cond Color odor
	20,4 7,51 641
	636 20,2 7.52 646
	ļ
	Sample Collected @ 1145 Lubeled Bela Cruz
	DAMPICE Trum into

5/28/03 Kenned (14. K	5/28/63 Kenrud Clark
Ob45 onsite at Conce Phillips to	0800 BASITE at Water Decension
	Ronnie Lee
Cakten was Calibialed Using	GPS marked WOCCZ
	-
	W 103. 1790B
O789 Started Pomp	Time temp pH Cond Colof odor
GPS merted Wood	19,0 7,13 847 Cler
H Cond	846 "
19.5 7,24 656	
7.02 656 "	
20.0 7.83k	Sumple Collected @ 0818
(4,9 7.20	Lobuled Robbie Lek
	Sundle taken at wark sink inside
Sumple Cellected @ 0731	Duilding After RD Syskan
Sample Name: Conece phillips	
GPS Coords	1900 cusile @ Jung Burry 1 Stake with Staing on
N 32,715,7°	phore-soid I coold sample from outside hose bib
W 103, 17395°	0912 Started hose GPS marked WO 003
Sample tuken after Pressure trank from hose before RD	O GPS (cade. 1) \$2.72250" W 103.14592
Called Steve B shep - Or Perm - Schoduled	time temp off Good Color color
fer 1500 today	0 19,3 7,05 1513
	0,426 (4,2 7.05 1564 14
	Sample time: 0930 Cabeled Juny Berry

Market and the College of the second of the College

5/28 63 Koner delack	5/28/03 Kound Clark
	site at Everet Fowler Residence
1000 met Danny Dobbs - he Jockme to the	Called on phone - they are in Back
Frankey Family-property. He had Turaid	Time temp OH Cond (Glor oder
The pump on this AM Loc = 45 minotes	701 7.47 782 Cler
tor pursing. No parameters were taken	
and sample was callected from insine	
building at hose bib off pressure teak	Sample Collected @ 1420
11,0 Was Sandy (Silly Color	(abeled Everett Fowler
Sample Collected @ 1020	Sample Collected from hose bib outside
Labeled Fronken Family	
GPS Marked WOODY.	CB Marked WOOOG
GPS Goods N32,72280° W 103,16283°	Coords N32,71960° W 103,16237
1130 Met Johnny Terran @ Texland office	1455 Meet Steve Bishop @ Occidental Permiss 51+P
he dreve me to well pump. The will supplies	Stalt Sink faucat @ 1456
The tank farm of & Large Shaft Torbine motor	GPS marked works
With the line duapping Duck into graved	Coords, N 32,71826 W 103,17755
S' from turbine Just aft turbing was	time temp of the Cond Color oder
a 14 Sample port with gate value where	22.3 7.44 769
The sample were taken from. The well is	1501 22.4 7.44 765 ""
Constantly Franking and no parameters were	22.5
taken dulto "/+" [ " with no hose to	Sample time 1505 Labeled Occidental Perm.
dischurge H2D outside of building	Surpled From Bathroom Sink Bothrooms
Sumple Collected @ 1143 Labeled Texland	have " Non-Potuble " Above Sink, Steve Bishop
GPS ID WOODS	Says well is only used as Non Potable weter
GPS Gords N 32,71449 W 103,16,757	