

**1R -** 157

# **REPORTS**

**DATE:**

9-29-1995

**ENRON**  
**Operations Company**

11525 West Carlsbad Highway, Hobbs, New Mexico 88240 (505) 393-5109  
September 29, 1993

State of New Mexico Oil Conservation Division  
Mr. Bill Olsen  
Hydrogeologist  
P.O. Box 2088  
Santa Fe, NM 87504

**RECEIVED**

7  
DEC 0 5 1994

*red*

OIL CONSERVATION DIV.  
SANTA FE

Dear Mr. Olsen,

Enclosed you will find the final analysis from the bottom hole soil samples taken from Hobbs #1, Hobbs #5 and .Hobbs #3 UST sites. Further excavation is not possible due to the solid rock encountered at the bottom of the excavation sites. Soil excavated at these sites is currently be placed on plastic and covered with plastic until we can haul it to the land farm at the Hobbs Plant, or be given permission from your office for removal to C & C Land Farm for remediation. Clean backfill soil is being purchased to backfill the open excavations, and at this time we would like final closure at these sites. Please contact me if I can be of further assistance at (505)393-5109 ex 25.

Sincerely,

*Mike Kneese*

Mike Kneese  
Environmental Field Technician

xc: Akhtar Alvi  
Lou Soldano  
Dennis Howell  
file w/attachments



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## FINAL ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1795

Project Name: Hobbs #1 Tank Removal  
Location: Hobbs #1  
Sampled by: MK  
Analyzed by: MF  
Sample Type: Soil

Date: 9/19/93 Time: 10:00  
Date: 9/20/93 Time: 9:23  
Sample Condition: GIST

Units: mg/kg

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Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	9319093-Used Oil Tank Bottom	83.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2	9319094-New Oil Storage Bottom	3.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3	9319095-Glycol Storage Bottom	508.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4	9319096-Pipeline Liquid	28.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

QC Recovery	435.2	1.004	0.865	0.978	0.956	0.958	0.993
QC Spike	405.9	0.881	0.865	0.869	0.866	0.860	0.886
Accuracy	107.2%	113.8%	100.0%	112.5%	110.4%	111.4%	112.1%
Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMATOGRAPHY; INFRARED SPECTROSCOPY  
- EPA SW-846; 8020, 418.1, 3540 OR 3510

Michael R. Fowler

9-28-93  
Date

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## TCLP ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1795-1

Project Name: Hobbs #1 Tank Removal  
Location: Hobbs #1  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: 9319093 - Used Oil Tank Bottom

## TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

  
Michael R. Fowler

9-29-93  
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## TCLP ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1795-2

Project Name: Hobbs #1 Tank Removal  
Location: Hobbs #1  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: 9319094 - New Oil Storage Bottom

### TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

  
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## TCLP ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1795-3

Project Name: Hobbs #1 Tank Removal  
Location: Hobbs #1  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: 9319095 - Glycol Storage Bottom

### TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	3.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

  
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**TCLP ANALYSIS REPORT**

Company: Enron Gas Processing  
Address: 11525 W. Carlshad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1795-4

Project Name: Hobbs #1 Tank Removal  
Location: Hobbs #1  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: 9319096 - Pipeline Liquid

**TCLP INORGANICS (Leachate)**

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	1.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

  
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9-29-93  
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## FINAL ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1794

Project Name: Hobbs #3 Tank Removal  
Location: Hobbs #3  
Sampled by: MK  
Analyzed by: MF  
Sample Type: Soil

Date: 9/19/93 Time: 9:45  
Date: 9/20/93 Time: 9:13  
Sample Condition: GIST

Units: mg/kg

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Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	Used Glycol-Btm #9319091	170.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2	Used Oil-Bottom #9319092	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

QC Recovery	435.2	1.004	0.865	0.978	0.956	0.958	0.993
QC Spike	405.9	0.881	0.865	0.869	0.866	0.860	0.886
Accuracy	107.2%	113.8%	100.0%	112.5%	110.4%	111.4%	112.1%
Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMATOGRAPHY; INFRARED SPECTROSCOPY  
- EPA SW-846; 8020, 418.1, 3540 OR 3510

  
Michael R. Fowler

9-28-93  
Date

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### TCLP ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1794-1

Project Name: Hobbs #3 Tank Removal  
Location: Hobbs #3  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: Hobbs 3 Used Glycol Bottom #9319091

### TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

  
Michael R. Fowler

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## TCLP ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1794-2

Project Name: Hobbs #3 Tank Removal  
Location: Hobbs #3  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: Hobbs 3 Used Oil Bottom #9319092

### TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

Michael R. Fowler

9/29/93

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## FINAL ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 8/29/93  
Lab #: H1796

Project Name: Hobbs 5 Pit Closure  
Location: Hobbs 5  
Sampled by: MK  
Analyzed by: MF  
Sample Type: Soil

Date: 9/19/93 Time: 11:30  
Date: 9/20/93 Time: 9:30  
Sample Condition: GIST

Units: mg/kg

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Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	9319097-Pipeln Liquids Bottom	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2	9319098-Used Oil Bottom	325.8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

QC Recovery	435.2	1.004	0.865	0.978	0.956	0.958	0.993
QC Spike	405.9	0.881	0.865	0.869	0.866	0.860	0.886
Accuracy	107.2%	113.8%	100.0%	112.5%	110.4%	111.4%	112.1%
Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMATOGRAPHY; INFRARED SPECTROSCOPY  
- EPA SW-846; 8020, 418.1, 3540 OR 3510

Michael R. Fowler

9-29-93

Date

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## TCLP ANALYSIS REPORT

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1796-1

Project Name: Hobbs 5 Pit Closure  
Location: Hobbs 5  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: 9319097 - Pipeline Liquids Bottom

## TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	0.2	mg/L
Barium	1.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000

  
Michael R. Fowler

9-29-93  
Date

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**TCLP ANALYSIS REPORT**

Company: Enron Gas Processing  
Address: 11525 W. Carlsbad Hwy.  
City, State: Hobbs, NM 88240

Date: 9/28/93  
Lab #: H1796-2

Project Name: Hobbs 5 Pit Closure  
Location: Hobbs 5  
Sampled by: MK  
Sample Type: Soil

Date: 9/19/93  
Sample Condition: GIST

Sample ID: 9319098 - Used Oil Bottom

**TCLP INORGANICS (Leachate)**

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	0.1	mg/L
Barium	0.9	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	0.1	mg/L
Selenium	<0.1	mg/L

**METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000**

  
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