

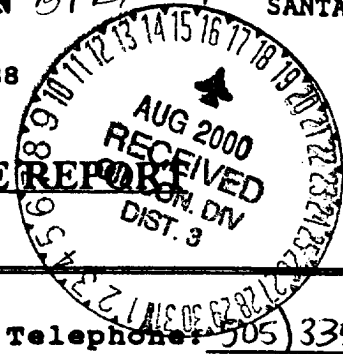
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OK
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT



Operator: KOCH Exploration Co. Telephone: 505) 335-9111
Address: P.O. Box 489 Aztec, NM 87410
Facility or: Mansfield 1E
Well Name _____
Location: Unit or Qtr/Qtr Sec B sec 25 T 30N R 10W County San Juan
Pit Type: Separator ☒ Dehydrator _____ Other _____
Land Type: BLM ☒, State _____, Fee _____, Other _____

Pit Location: Pit dimensions: length 20', width 20', depth 13'
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 30'
Direction from reference: 20 Degrees _____ East North ☒
_____ of
☒ West South _____

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 7/16/96 Dated Completed: 8/28/97
7/16/96

Remediation Method: Excavation ☒ Approx. cubic yards 200
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation ☐
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Contaminated soil was removed and placed in an on-site landfarm.

Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit: Sample location pit - bottom
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 13'
Sample date 7/16/96 Sample time 1500

Sample Results
Benzene(ppm) 0.0006
Total BTEX(ppm) 0.005
Field headspace(ppm) 1.2
TPH < 25

Ground Water Sample: Yes ☐ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 8/10/00
SIGNATURE Donald L. Johnson PRINTED NAME Donald L. Johnson
AND TITLE Operations Manager

5/17/16 - MARIETTA, GA

Arrived on location and removed fence from pit. Began excavating and taking samples.

PID Data:

#	Description	Reading
1	2' deep - Sand Pit	230 ppm
2	4' " "	235
3	6-7' " "	88.8
4	12-13' - bottom center	1.2 *
5		

* TO LAB: MANS-400

TPH = 25 ppm

B = 0.0006 ppm

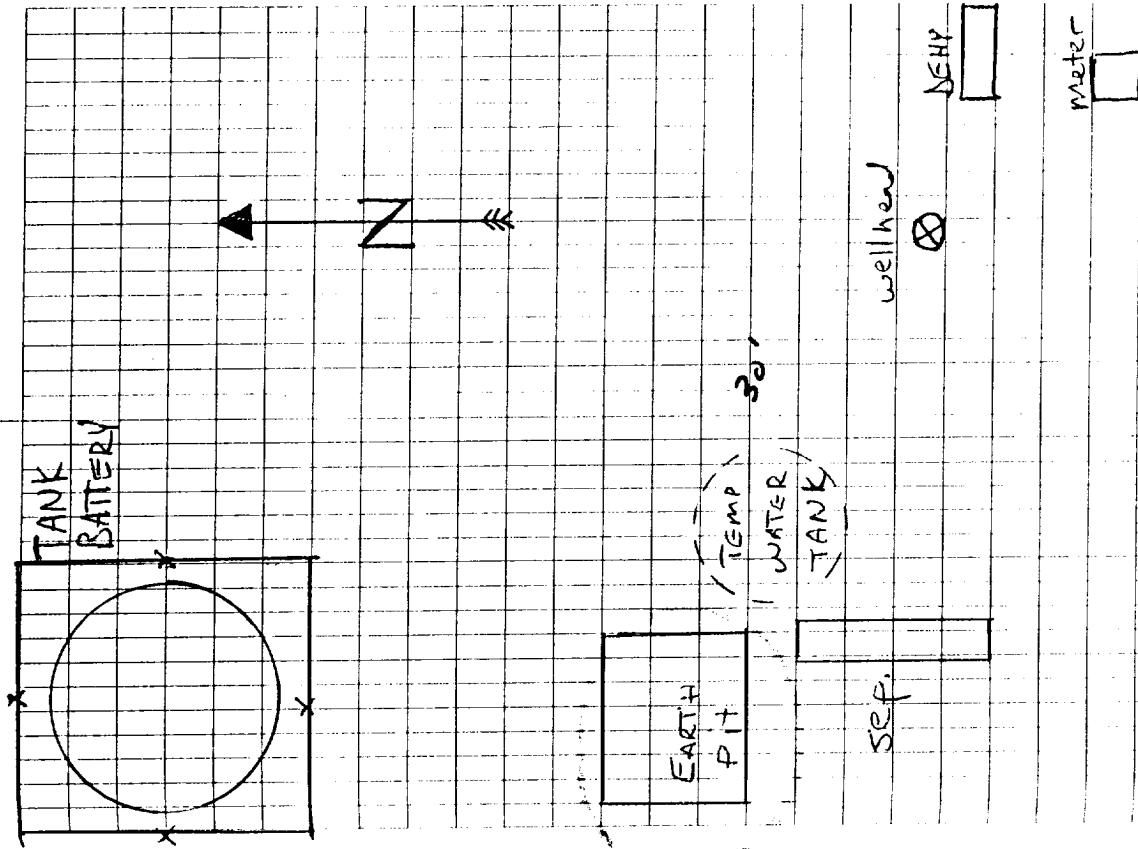
T = 0.0031 "

E = 0.0002 "

M.P.X = 0.0015 "

O.X = 0.0002 "

total = 0.0052 "



OFF: (505) 325-5667



LAB: (505) 325-1556

TOTAL PETROLEUM HYDROCARBONS

Attn: **Shawn Adams**
Company: **Contract Environmental Services, Inc.**
Address: **P.O. Box 505**
City, State: **Kirtland, NM 87417**

Date: **23-Jul-96**
COC No.: **4205**
Sample No. **11559**
Job No. **2-1000**

Project Name: **Koch Exploration Company - Mansfield #1E**
Project Location: **MANS-400, Pit Bottom 12-13' BGL**
Sampled by: **SA** Date: **16-Jul-96** Time: **15:00**
Analyzed by: **HR** Date: **23-Jul-96**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Result	Detection Limit	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	<25	25	mg/kg	EPA Method 418.1

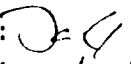
Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	<25	<25	mg/kg
Laboratory Fortified Spike Soil - QCSSI	917	828 - 1024	mg/kg

Duplication

Laboratory Identification	(% RSD)	Limit (% RSD)
11559-4205	<0.1	15.0

Approved by: 
Date: **7/23/96**

P.O. BOX 2606 • FARMINGTON, NM 87499

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OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn: **Shawn Adams**
Company: **Contract Environmental Services, Inc.**
Address: **P.O. Box 505**
City, State: **Kirtland, NM 87417**

Date: **23-Jul-96**
COC No.: **4205**
Sample No. **11559**
Job No. **2-1000**

Project Name: **Koch Exploration Company - Mansfield #1E**

Project Location: **MANS-400; Pit Bottom 12-13' BGL**

Sampled by: **SA** Date: **16-Jul-96** Time: **15:00**
Analyzed by: **HR** Date: **22-Jul-96**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	0.6	ug/kg	0.2	ug/kg
Toluene	3.1	ug/kg	0.2	ug/kg
Ethylbenzene	<0.2	ug/kg	0.2	ug/kg
m,p-xylene	1.5	ug/kg	0.2	ug/kg
o-xylene	<0.2	ug/kg	0.2	ug/kg
TOTAL		5.3		ug/kg

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: 
Date: **7/23/96**

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CHAIN OF CUSTODY RECORD



657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **Shawn Adams**
 Company: **Contract Environmental Services, Inc.**
 Address: **P.O. Box 3376**
 City, State: **Farmington, NM 87499**

Date: **2-Sep-97**
 COC No.: **4352**
 Sample No.: **15929**
 Job No.: **2-1000**

Project Name: **Koch Exploration - Mansfield 1E**
 Project Location: **MANS-602; Soil Farm, Comp. 1, 2, 3**
 Sampled by: **SAA/PRC** Date: **26-Aug-97** Time: **10:30**
 Analyzed by: **DC/HR** GRO Date: **28-Aug-97**
 Sample Matrix: **Soil** DRO Date: **29-Aug-97**

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	ND	mg/kg	0.5	mg/kg
<i>Diesel Range Organics (C10 - C28)</i>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

GRO QC No.: 0537-STD

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	ND	ppb	1,801	1,752	2.8	15%
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	197	1.5	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	91	101	(80-120)	10	20%
<i>Diesel Range (C10-C28)</i>	80	81	(75-125)	1	20%

Method: SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: Date: **9/2/97****P.O. BOX 2606 • FARMINGTON, NM 87499**

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