

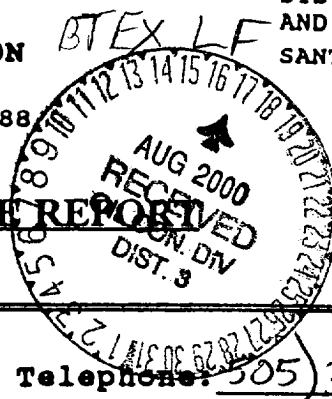
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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) 334-9111
Address: P.O. Box 489 Aztec, NM 87410
Facility or: Mansfield 1
Well Name
Location: Unit or Qtr/Qtr Sec E 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 15'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 30'
Direction from reference: 45° 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: 7/17/96 Dated Completed: 8/28/97
Remediation Method: Excavation ☒ Approx. cubic yards 230
(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 removed and placed in an on-site landfarm.

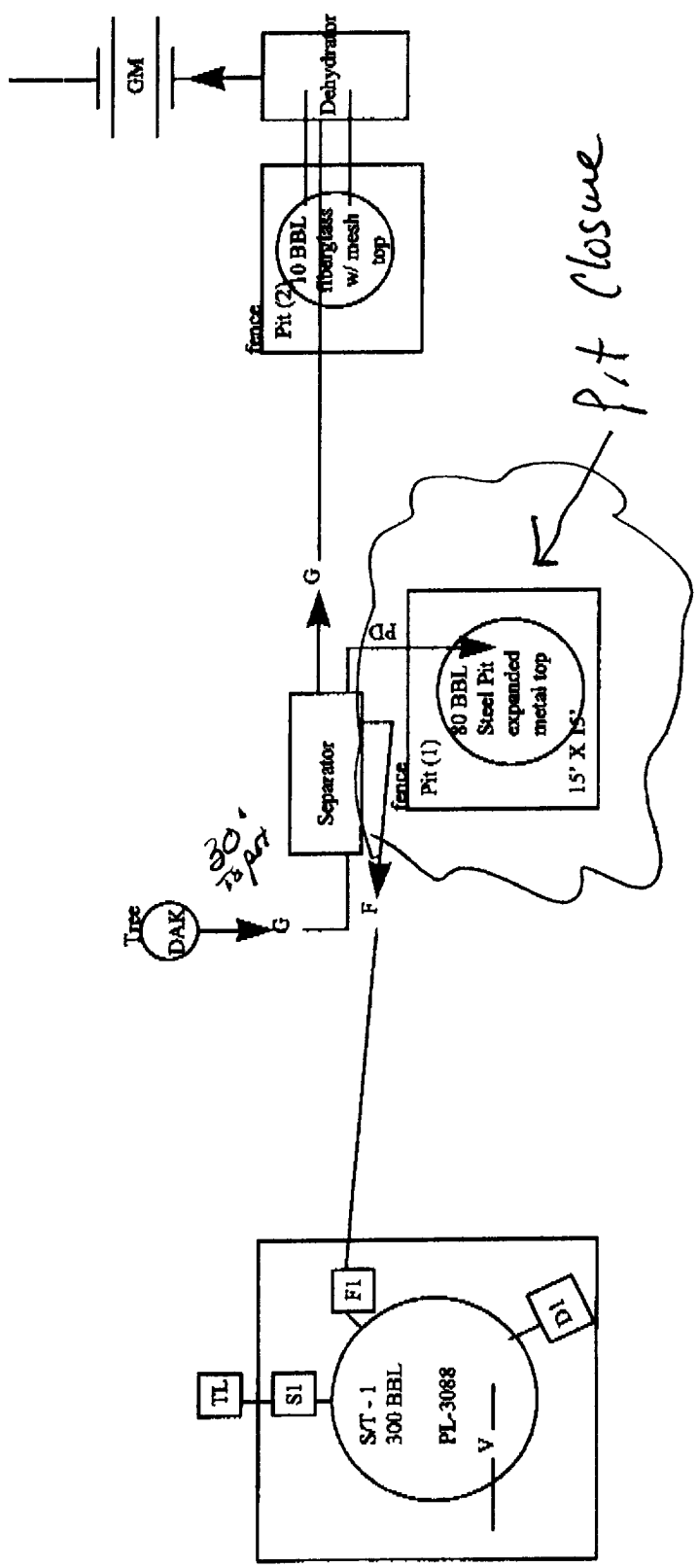
Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit: Sample location pit-bottom, center
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 15'
Sample date 7/17/96 Sample time 1200
Sample Results
Benzene(ppm) 0.0015
Total BTEX(ppm) 0.484
Field headspace(ppm) 235
TPH 167

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

Koch Exploration Co.
William Mansfield 1 - SW 1/4 - NW 1/4
Sec. 25 - T30N - R10W
San Juan County NM
Lease NO. NM-080776-A
Revised 4/24/97



General sealing of valves, sales by tank gauging.
Production phase. Drain valve, D1, and sales valve, S1, sealed closed.
Sales phase. the tank from which sales are being made will be isolated by sealing closed the drain valve, D1, fill valve, F1, during sales.
Draining phase. the tank being drained will be isolated by sealing closed the sales valve, S1, and fill valve, F1, during drain off.

This lease is subject to the site security plan for the Blanco gas field. the plan is located at:
Koch Exploration Co.
610 S Main Aztec, New Mexico

~~7/10/46 - Mansfield #1~~

Began excavation and taking samples

PID Data:

#	Description	Results
1	Bottom-Center 6-7' deep	257 ppm
2	" 13-14'	280
3	" 14-15'	235 *

* To Lab: MANS-2007

TPH = 167 ppm

B = 0.0015 "

T = 0.0120 "

E = 0.0377 "

mp-X = 0.3451 "

o-X = 0.0871 "

total = 0.4835 "

7/18/98 Monday

~~Continue excavation to clear bank.~~
North wall bound by separator and sandstone hillside,

PID Data:

#	Description	Result.
1	S-bank 12-13'	0.0 ppm
2	W-bank 12-13'	46.5
3	E-bank 12-13'	57.5

Finished excavation and spread all mat'l in land form. Began backfilling pit.

7/19/98 Finished backfilling pit and mobilizing to next location.

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: **29-Jul-96**
COC No.: **4206**
Sample No. **11562**
Job No. **2-1000**

Project Name: **Koch Exploration - Mansfield #1**
Project Location: **MANS-200; Depth 15'**
Sampled by: **SA** Date: **17-Jul-96** Time: **12:00**
Analyzed by: **HR** Date: **24-Jul-96**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Result	Detection Limit	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	167	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 - QCSS1	935	828 - 1024	mg/kg

Duplication

Laboratory Identification	(% RSD)	Limit (% RSD)
11566-4184	6.2	15.0

Approved by: 
Date: **7/29/96**

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: **29-Jul-96**
COC No.: **4206**
Sample No. **11562**
Job No. **2-1000**

Project Name: **Koch Exploration - Mansfield #1**
Project Location: **MANS-200; Depth 15'**
Sampled by: **SA**
Analyzed by: **HR**
Sample Matrix: **Soil**

Date: **17-Jul-96** Time: **12:00**
Date: **23-Jul-96**

Laboratory Analysis

Parameter	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	1.5	ug/kg	0.2	ug/kg
Toluene	12.0	ug/kg	0.2	ug/kg
Ethylbenzene	37.7	ug/kg	0.2	ug/kg
m,p-Xylene	345.1	ug/kg	0.2	ug/kg
o-Xylene	87.1	ug/kg	0.2	ug/kg
	TOTAL	483.5		ug/kg

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

Approved by: 
Date: **7/29/96**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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.: **15927**
 Job No.: **2-1000**

Project Name: **Koch Exploration - Mansfield 1**
 Project Location: **MANS-600; Soil Farm, Comp. 1, 2, 3**
 Sampled by: **SAA/PRC** Date: **26-Aug-97** Time: **10:00**
 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
Gasoline Range Organics (C5 - C9)	ND	mg/kg	0.5	mg/kg
Diesel Range Organics (C10 - C28)	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
Gasoline Range (C5 - C9)	ND	ppb	1,801	1,752	2.8	15%
Diesel Range (C10 - C28)	ND	ppm	200	197	1.5	15%

Matrix Spike

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

Method: **SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography**

Approved by: 
 Date: **9/2/97**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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.: **15928**
 Job No.: **2-1000**

Project Name: **Koch Exploration - Mansfield 1**
 Project Location: **MANS-601; Soil Farm, Comp. 4, 5, 6**
 Sampled by: **SAA/PRC** Date: **26-Aug-97** Time: **10:00**
 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
Gasoline Range Organics (C5 - C9)	ND	mg/kg	0.5	mg/kg
Diesel Range Organics (C10 - C28)	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
Gasoline Range (C5 - C9)	ND	ppb	1,801	1,752	2.8	15%
Diesel Range (C10 - C28)	ND	ppm	200	197	1.5	15%

Matrix Spike

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

Method: SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: 
 Date: **9/2/97**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Purchase Order No.:		Job No.	
Name: DON JOHNSON		Title:	
Company: KOCH EXPLORATION		Company: CONTRACT ENVIRONMENTAL SERVICES, INC	
Address: P.O. Box 489		Mailing Address: P.O. Box 3376	
City, State, Zip: AZTEC NM 87410		City, State, Zip: FARMINGTON NM 87499	
Telephone No.:		Telephone No.:	
Telex No.:		Telex No.:	

Name: SHAWN ADAMS Title: _____ Company: CONTRACT ENVIRONMENTAL SERVICES, INC Mailing Address: P.O. Box 3376 City, State, Zip: FARMINGTON NM 87499 Telephone No. 325-1198 Telefax No. _____			
ANALYSIS REQUESTED			

REPORT TO RESULTS TO				Number of Containers			
Name: DON JOHNSON Company: KOCH EXPLORATION Address: P.O. Box 489 City, State, Zip: AZTEC NM 87410				Name: SHAWN ADAMS Company: CONTRACT ENVIRONMENTAL SERVICES, INC Mailing Address: P.O. Box 3376 City, State, Zip: FARMINGTON NM 87499 Telephone No. 325-1198 Telefax No. _____			

SAMPLE IDENTIFICATION				SAMPLE		DATE		TIME		MATRIX		PRES.	
DRYD-400, DRYDEN 2E, DRYDEN 1E, WALKER 2A DRYDEN 2, GONSALES 1, GONSALES 3E SAA / PRC				DRYD-400, DRYDEN 2E, DRYDEN 1E, WALKER 2A DRYDEN 2, GONSALES 1, GONSALES 3E		8/25/97 " " " "		1:30 " " " "		SOIL " " " "		NO " " " "	
DRYD-402, DRYDEN 2E, DRYDEN 1E, WALKER 2A DRYDEN 2, GONSALES 1, GONSALES 3E				DRYD-402, DRYDEN 2E, DRYDEN 1E, WALKER 2A DRYDEN 2, GONSALES 1, GONSALES 3E		8/25/97 " " " "		2:05 " " " "		" " " "		" " " "	
DRYD-403, DRYDEN 2E, DRYDEN 1E, WALKER 2A DRYDEN 2, GONSALES 1, GONSALES 3E				DRYD-403, DRYDEN 2E, DRYDEN 1E, WALKER 2A DRYDEN 2, GONSALES 1, GONSALES 3E		8/25/97 " " " "		2:30 " " " "		" " " "		" " " "	
DRYD-404, GONSALES 1, GONSALES 3E GONSALES 1, GONSALES 3E				DRYD-404, GONSALES 1, GONSALES 3E GONSALES 1, GONSALES 3E		8/25/97 " " " "		3:45 " " " "		" " " "		" " " "	
DRYD-405, GONSALES 1, GONSALES 3E GONSALES 1, GONSALES 3E				DRYD-405, GONSALES 1, GONSALES 3E GONSALES 1, GONSALES 3E		8/25/97 " " " "		3:45 " " " "		" " " "		" " " "	
MANS-600, MANSFIELD 1, MANSFIELD 3E MANS-601, MANSFIELD 1, MANSFIELD 3E				MANS-600, MANSFIELD 1, MANSFIELD 3E MANS-601, MANSFIELD 1, MANSFIELD 3E		8/26/97 " " " "		10:00 " " " "		" " " "		" " " "	
MANS-602, MANSFIELD 1, MANSFIELD 3E MANS-603, WALKER 2A, WALKER 3E				MANS-602, MANSFIELD 1, MANSFIELD 3E MANS-603, WALKER 2A, WALKER 3E		8/26/97 " " " "		10:30 " " " "		" " " "		" " " "	
WALKER 2A, WALKER 3E WALKER 2A, WALKER 3E				WALKER 2A, WALKER 3E WALKER 2A, WALKER 3E		8/26/97 " " " "		1:15 " " " "		" " " "		" " " "	
LAMBE-600, LAMBE 3E, LAMBE 3E LAMBE 3E, LAMBE 3E				LAMBE-600, LAMBE 3E, LAMBE 3E LAMBE 3E, LAMBE 3E		8/26/97 " " " "		3:15 " " " "		" " " "		100 " " " "	

Relinquished by: _____		Date/Time: 8/27/97 9:00	
Relinquished by: _____		Date/Time: _____	
Relinquished by: _____		Date/Time: _____	
Method of Shipment: _____		Date/Time: _____	
Authorized by: _____		Date: 8/27/97	