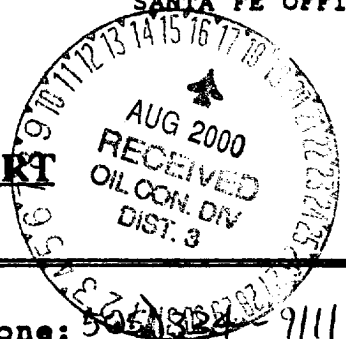


District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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: 505-834-9111
Address: P.O. Box 489 Aztec, NM 87410
Facility Or: Gardner 3A
Well Name _____
Location: Unit or Qtr/Qtr sec P sec 31 T 32N R 8W county San Juan
Pit Type: Separator ___ Dehydrator ___ other Drip
Land Type: BLM ☒, State ___, Fee ___, Other _____

Pit Location: Pit dimensions: length 15', width 15', depth 6'
(Attach diagram) Reference: wellhead ☒, other _____
Footage from reference: 25
Direction from reference: 10 Degrees ☒ East North
of _____ West South ☒

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 20

Wellhead Protection Area:
(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 5/28/97 Dated Completed: 5/28/97

Remediation Method: Excavation Approx. cubic yards
(Check all appropriate sections) Landfarmed Insitu Bioremediation
Other None required

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

General Description Of Remedial Action: No action required

Ground Water Encountered: No ☒ Yes Depth

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location mid-pit, center, bottom

Sample depth 6'

Sample date 5/28/97 Sample time 1200

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) ND

Field headspace(ppm) 1.8

TPH 34

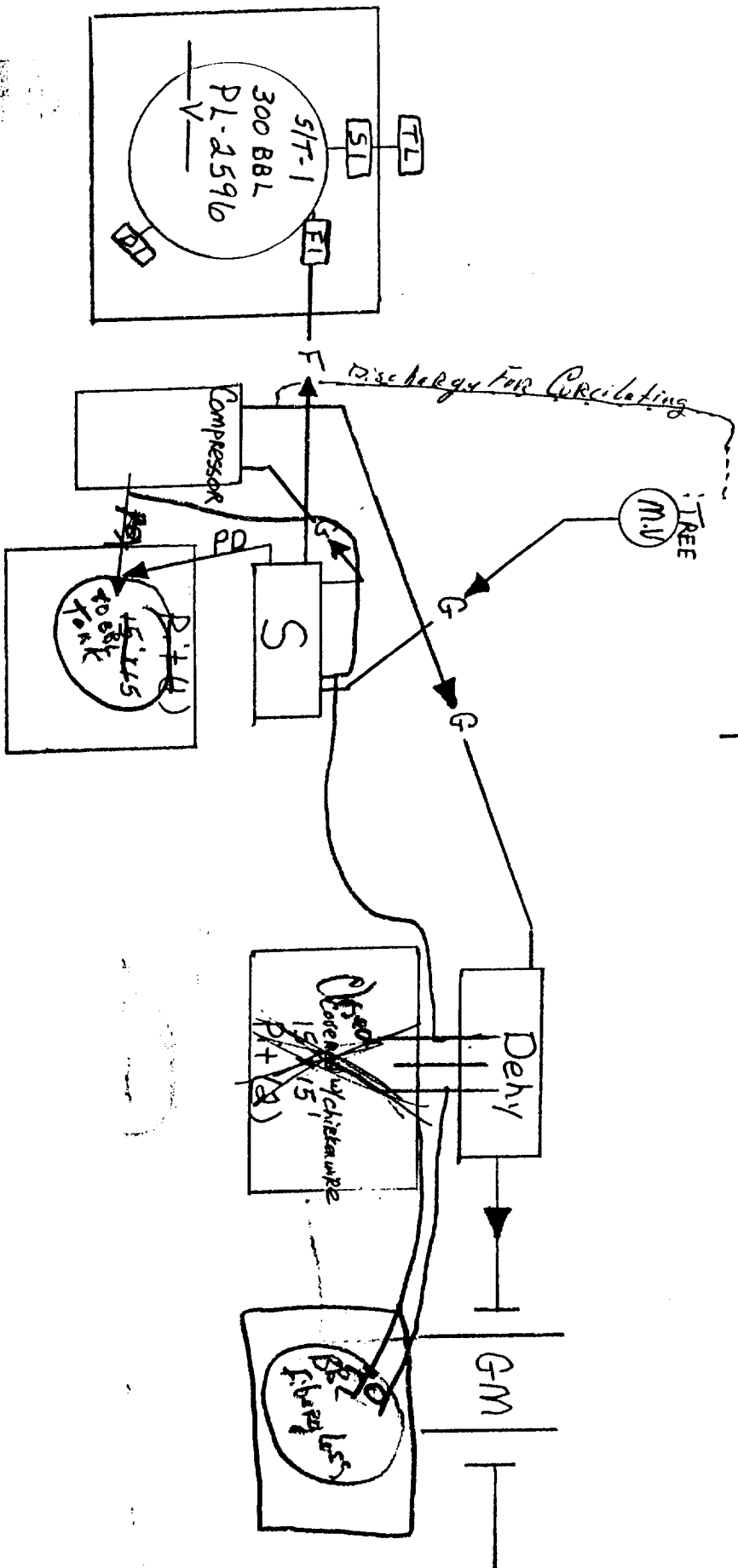
Ground Water Sample: Yes No ☒ (If yes, attach sample results)

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 AND TITLE DONALD L. Johnson
Operations Manager



Koch Exploration Co.
 LAMBE 3-A SEY-SEY
 SEC. 21-T31N-R10W
 SAN JUAN COUNTY N.M.
 LSE No. N.M.-03187
 Revised 3/16/90

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: **3-Jun-97**
COC No.: **4315**
Sample No.: **14736**
Job No.: **2-1000**

Project Name: **Koch Exploration - Gardner 3A**
Project Location: **GAR3A-101; Mid Pit 6'**
Sampled by: **DGM**
Analyzed by: **HR**
Sample Matrix: **Soil**

Date: **28-May-97** Time: **12:00**
Date: **30-May-97**

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	34	25	mg/kg	EPA Method 418.1

ND - Not Detected at Limit of Quantitation

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	828	828 - 1024	mg/kg

Duplication

Laboratory Identification	% RSD	Limit % RSD
14734-4315	2.5	15.0

Approved by: 
Date: **6/3/97**

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: *10-Jun-97*
COC No.: *4315*
Sample No.: *14736*
Job No.: *2-1000*

Project Name: *Koch Exploration - Gardner 3A*
Project Location: *GARD3A-101, Midpit 6'*
Sampled by: *DGM*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *28-May-97* Time: *12:00*
Date: *4-Jun-97*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene	ND	ug/kg	1	ug/kg
Toluene	ND	ug/kg	1	ug/kg
Ethylbenzene	ND	ug/kg	1	ug/kg
m,p-xylene	ND	ug/kg	1	ug/kg
o-xylene	ND	ug/kg	1	ug/kg
	*TOTAL	ND		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *6/10/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

ON SITE

TECHNOLOGIES, LTD.

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

Date:

Page

of

137.

Purchase Order No.:		Job No.	
Name: Don Johnson		Title:	
Company: Karch Expiration Co.		Company: Contract Environmental Services, Inc.	
Address: PO Box 489		Mailing Address: PO Box 3376	
City, State, Zip: Arac, NM 87410		City, State, Zip: Farmington NM 87499	
Telephone No.:		Telephone No.:	
Telex No.:		Telex No.:	
Sampling Location: Gardner 4, 4A, 5, 3, 3A		ANALYSIS REQUESTED	
Sampler: Dike		Containers	
SAMPLE IDENTIFICATION		LAB ID	
SAMPLE DATE TIME		LAB ID	
PRES.		LAB ID	
GARDY-101 Gardner 4 mid pit 4'		14732-4315	
GARD 4A-100 Gardner 4A mid pit 4'		14733	
GAR5-100 Gardner 5 mid pit 4'		14734	
GARD 3-100 Gardner 3 mid pit 3'		14735	
GARD 3A-101 Gardner 3A mid pit 6'		14736	
Relinquished by: [Signature]		Date/Time: 5/28/97	
Relinquished by: [Signature]		Date/Time: 5/28/97	
Relinquished by: [Signature]		Date/Time: 5/28/97	
Method of Shipment:		Special Instructions:	
Authorized by: [Signature]		Date: 5/28	

CES Summary of KOCH Earthen Pit Remediation Project for 5/28/97

Sample Number	Location	PID (ppm)	Remarks
Gardner 3			
1	mid-pit 3' below surface	3.0	lab number - Gard3-100
PID Readings			
in pit	mid pit bottom	0	hit bedrock at 3'
in pit	West bank bottom	0	
in pit	West bank middle	0	
in pit	East bank bottom	0	
in pit	East bank middle	0	
in pit	North bank bottom	0	
in pit	North bank middle	0	
in pit	South bank bottom	0	
in pit	South bank middle	0	

Gardner 3A			
1	mid-pit 6' below surface	1.0	lab number - Gard3A-101
PID Readings			
in pit	mid pit bottom	0.0	
in pit	West bank bottom	0	
in pit	West bank middle	0	
in pit	East bank bottom	0	
in pit	East bank middle	0	
in pit	North bank bottom	0	
in pit	North bank middle	0	
in pit	South bank bottom	0	
in pit	South bank middle	0	

Gardner 3 - Pit Remediation

5/28/97
#0845

Slight dis-coloration (spotty) in surface of pit,
No longer in use.

Hit bedrock @ ~ 3 feet

Sample mid-pit @ 3' depth → 3.0 ppm

PID banks all clear (0.0 ppm)

→ two points on each bank
1) mid-depth of bank
2) bottom of bank

PID bottom of pit: clear (0.0 ppm)

No surface water in area by visual inspection.

Gardner 3A - Pit Remediation [Sec 31 T32N R8W San Juan Co., NM]

No apparent contamination. Pit not in use. Fence had to be taken down

Sample mid-pit @ 6' deep 1.8 ppm

PID Banks W, N, S, E all 0.0 ppm

PID Center 0.0 ppm

No surface water in area by vis. insp.

(Sample Lab #)
Gard 3A-1101