

* O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

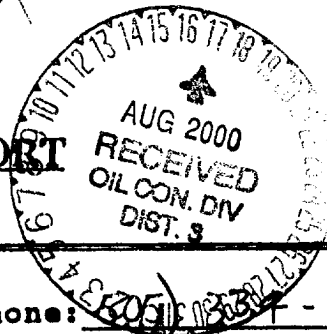
OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

PIT REMEDIATION AND CLOSURE REPORT



operator: KOCH Exploration Co. Telephone: 505-337-9111

Address: P.O. Box 489 Aztec, NM 87410

Facility Or: Gardner 3
Well Name _____

Location: Unit or Qtr/Qtr Sec M Sec 31 T 32 N R 8 W County San Juan

Pit Type: Separator___ Dehydrator___ other Drip

Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 15', width 15', depth 3'
(Attach diagram)

Reference: wellhead[✓], other _____

Footage from reference: 55

Direction from reference: 90 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) 0

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): 0

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

Remediation Method: Excavation Approx. cubic yards
(Check all appropriate sections) Landfarmed Insitu Bioremediation
Other No action required

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

General Description of Remedial Action: No action required.

Ground Water Encountered: No ☒ Yes Depth

Final Pit: Sample location mid-pit
Closure Sampling:
(If multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 3'
Sample date 5/28/97 Sample time 0930
Sample Results

Benzene(ppm) ND
Total BTEX(ppm) ND
Field headspace(ppm) 3.0
TPH 843

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

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

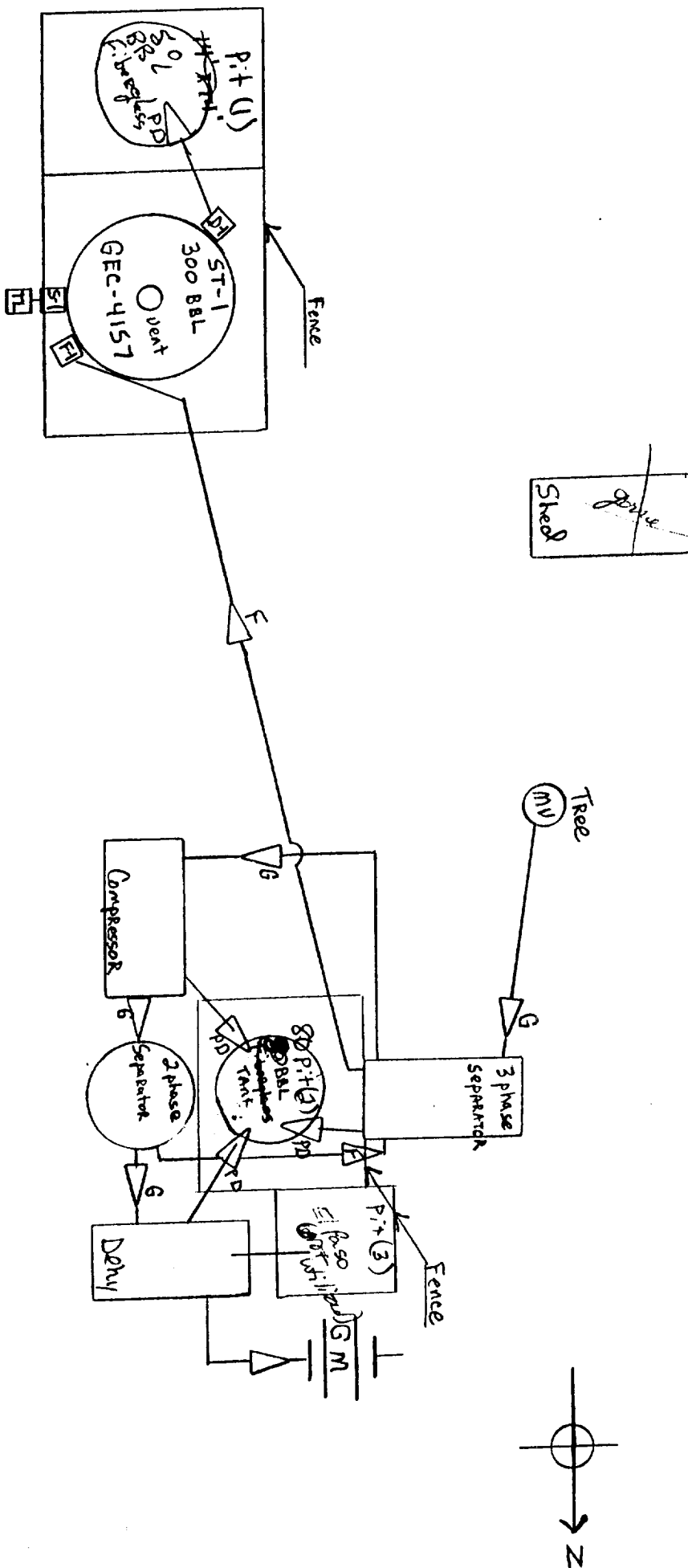
DATE 8/10/00

SIGNATURE Donald L. Johnson

PRINTED NAME AND TITLE DONALD L. JOHNSON
Operations Manager

Koch Exploration Co.
 Lamb 3 NW 1/4 - NE 1/4
 Sec 21 - T 31 N - R 10 W
 San Juan County N.M.
 LSE No. NM-03187

Revised 7-3-92



General sealing of valves, sales by tank gauging.
 Production phase. Drain valve, DI, and sales
 Valve, SI, sealed closed.
 Sales phase. The tank from which sales are being
 made will be isolated by sealing closed the drain
 valve, DI, fill valve, FI, during sales.
 Draining phase. The tank being drained will be
 isolated by sealing closed the

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

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.: *14735*
Job No.: *2-1000*

Project Name: *Koch Exploration - Gardner 3*
Project Location: *GAR3-100, Mid Pit 3'*
Sampled by: *DGM*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *28-May-97* Time: *9:30*
Date: *30-May-97*

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>843</i>	<i>25</i>	<i>mg/kg</i>	<i>EPA Method 418.1</i>

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>< 25</i>	<i>< 25</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>828</i>	<i>828 - 1024</i>	<i>mg/kg</i>

Duplication

Laboratory Identification	% RSD	Limit % RSD
<i>14734-4315</i>	<i>2.5</i>	<i>15.0</i>

Approved by: *[Signature]*

Date: *6/3/97*

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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.: *14735*
Job No.: *2-1000*

Project Name: *Koch Exploration - Gardner 3*
Project Location: *GARD3-100, Midpit 3'*
Sampled by: *DGM*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *28-May-97* Time: *9:30*
Date: *4-Jun-97*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>ND</i>	<i>ug/kg</i>		

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*

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431

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

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: ATRC, NM 87410		City, State, Zip: Farmington NM 87499	
Telephone No.:		Telephone No.:	
325-1198		325-1198	
Telex No.:		Telex No.:	
87499		87499	
Sampling Location:		ANALYSIS REQUESTED	
Gardner 4, 4A, 5, 3A			
Sampler: Dike			
SAMPLE IDENTIFICATION		LAB ID	
DATE		TIME	
PRES.		MATRIX	
GARDY-101 Gardner 4 mid pit 4'		NO	
GARD 4A-100 Gardner 4A mid pit 4'		NO	
GAR5-100 Gardner 5 mid pit 4'		NO	
GARD 3-100 Gardner 3 mid pit 3'		NO	
GARD 3A-101 Gardner 3A mid pit 6'		NO	
Relinquished by:		Date/Time: 5/28/97	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Method of Shipment:		Special Instructions:	
Authorized by: SJA		Date: 5/18	
Client Signature Must Accompany Request			

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

Sample Number	Location	PID (ppm)	Remarks
Gardner 3A 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

Slight dis-coloration (spotty) in surface of pit, #0845

No longer in use.

Hit bedrock @ $\approx$ 3 feet

Sample mid-pit @ 3' depth $\rightarrow$ 3.0 ppm

PID banks all clear (0.0 ppm)

$\rightarrow$ 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-101)