

RANKING SCORE (TOTAL POINTS): 10

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5 Lease Designation and Serial No
NM-013642

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
NA

8. Well Name and No
Gardner 4A

9. API Well No.
30-045-22768

10. Field and Pool, or Exploratory Area
Blanco Mesa Verde

11. County or Parish, State
San Juan County
New Mexico

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Koch Exploration Company

3. Address and Telephone No.
P.O. Box 489 Aztec, New Mexico 87410
(505) 334-9111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
S25, T32N, R9W (M)
1030' FSL & 870' FEL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other add Lewis Shale	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Compelled Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We plan on adding the Lewis Shale completion to the existing Mesa Verde. 7", 20# - 26# K-55 casing @ 3542' with 4 1/2", 10.5#, K-55 casing from surface to TD of 6171'. PBTD is 6127'. We will complete the Lewis Shale through 4 1/2" casing w/ isolation tool.

Lewis Shale Completion will be a 2 stage Foam Frac as Follows:

Lower Lewis Shale 4785' - 5070', perforate 50 - .38" holes, and use 100,000# 20/40 Brady Sand.
Upper Lewis Shale 4390' - 4690', perforate 50 - .38" holes, and use 100,000# 20/40 Brady Sand.

To complete this formation we will need to construct an earthen blow pit (30' x 50' x 10' deep). All work will be within existing disturbed location. We will close pit when all water has been removed and re-seed to BLM specs.

We plan on completing this formation upon BLM approval and rig availability.

I hereby certify that the foregoing is true and correct

Signed _____
(This space for Federal or State office use)

Title Operations Manager

Date 3/25/00

Approved by _____
Conditions of approval, if any:

Title _____ Date 9/29/00

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Date Remediation Started: 5/27/97 Date Completed: 5/27/97

Remediation Method: Excavation Approx. cubic yards
(Check all appropriate sections) Landfarmed Insitu Bioremediation
Other No Action 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: Sample location mid-pit
Closure Sampling:
if multiple samples,
attach sample results
and diagram of sample
locations and depths) Sample depth 4'
Sample date 5/27/97 Sample time 1315

Sample Results
Benzene(ppm) ND
Total BTEX(ppm) ND
Field headspace(ppm) 1.0
TPH 29

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 DONALD L. Johnson
AND TITLE Operations Manager

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.: *14733*
Job No.: *2-1000*

Project Name: *Koch Exploration - Gardner 4A*
Project Location: *GARD4A-100; Mid Pit 4'*
Sampled by: *DGM*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *27-May-97* Time: *13:15*
Date: *30-May-97*

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>29</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>14761-6382</i>	<i>1.0</i>	<i>15.0</i>

Approved by: *[Signature]*
Date: *6/3/97*

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: *10-Jun-97*
COC No.: *4315*
Sample No.: *14733*
Job No.: *2-1000*

Project Name: *Koch Exploration Gardner 4A*
Project Location: *GARD4A-100, Midpit 4*
Sampled by: *DGM*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *27-May-97* Time: *13:15*
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

CON SITE
TECHNOLOGIES, LTD.
657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256
Data

[illegible]

CES Summary of KOCH Project for 5/27/97

Sample Number	Location	PID (ppm)	Remarks
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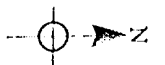
Gardner 5

1	mid-pit 4' below surface	243	hit bedrock on both sample locations
2	west-pit 4' below surface	171	
West bank bottom		0	
East bank bottom		0	
Northbank bottom		0	
South bank bottom		0	

1	mid-pit 4' below surface	1	hit bedrock on sample location
West bank bottom		0	
East bank bottom		0	
Northbank bottom		0	
South bank bottom		0	

Gardner 4

1	mid-pit 4' below surface	4	no bedrock hit-sample below limit at depth
West bank bottom		0	
East bank bottom		0	
Northbank bottom		0	
South bank bottom		0	



Koch Exploration Co.
Gardner 4A - SE 1/4 - SE 1/4
Sec. 25 - T32N - R9W
San Juan County NM
Lease NO. SF-013642
Revised: 4-8-97

