

District I

P.O. Box 200 Hobbs, NM

District II

P.O. Drawer 200 Hobbs, NM 88401

District III

1000 Rio Brazos Rd., Aztec, NM 87410

JUN 23 1998

State of New Mexico

Energy, Minerals and Natural Resources Department

DEPUTY OIL & GAS INSPECTOR

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: CHATEAU OIL AND GAS Telephone: 505 632-8056

Address: 5802 US HIGHWAY 64, FARMINGTON, NM 87401

Facility Or: NEUMAN 1

Well Name

Location: Unit or Qtr/Qtr sec B sec 20 T 31N R 12W County SAN JUAN

Pit Type: Separator Dehydrator Other OVERFLOW PIT (TANK)

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 20', width 20', depth 20'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 150' SE

Direction from reference: Degrees East North
of
 West South

Depth To Ground Water:

Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

RECEIVED
APR - 1 1998
OIL CON. DIV.
DIST. 3

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
200 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) 10

RANKING SCORE (TOTAL POINTS):

10

Date Remediation Started: 12-5-96

Dated Completed: 12-10-97

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 300 cu. yds.

Landfarmed ☒

Insitu Bioremediation ☐

Other _____

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

General Description Of Remedial Action: Excavated contaminated soils.
Spread on surface in soil farm. Plowed & Tilled soil until Lab analysis passed.

Soil Farm: Lab TPH by EPA 418.1 = N.D. Date: 12-10-97 Time: 1500

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 Pit Bottom

Sample depth 20'

Sample date 12-10-97

Sample time 14:15

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) ND

Field headspace(ppm) 0.0 ppm.

TPH 0.0 ppm.

12-10-97 @ 14:00
Pit Banks:
TPH = ND

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 3/2/98

SIGNATURE

PRINTED NAME SHAWN ADAMS
AND TITLE ENVIRONMENTAL CONSULTANT

CHAIN OF CUSTODY RECORD

ON SITE

TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499

LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 12-11-97

Purchase Order No.:		Job No.		Name		Title	
Name: CHATEAU		Company: CHATEAU ENVIRONMENTAL		Mailing Address:		City, State, Zip:	
Address:		City, State, Zip:		Telephone No.:		Telefax No.:	
City, State, Zip:		City, State, Zip:		Telephone No.:		Telefax No.:	
Sampling Location:		RESULTS TO		ANALYSIS REQUESTED			
LEA 1 Pit + Farm, NEWMAN Pits + Farm		Number of Containers					
Sampler: David Hadden							
SAMPLE IDENTIFICATION		SAMPLE DATE		TIME		MATRIX	
LEA 101 Pit Bottom		12-10-97		11:50 AM		PRES.	
LEA 102 Pit Bank		12-10-97		12:10 PM			
LEA 404 Farm sample A		12-10-97		12:30 PM			
LEA 405 Farm sample B		12-10-97		12:45 PM			
NEU 101 SEP Pit Banks		12-10-97		1:30 PM			
NEU 102 SEP Pit Bottom		12-10-97		1:45 PM			
NEU 405 OVERFLOW Pit Banks		12-10-97		2:10 PM			
NEU 406 OVERFLOW Pit Bottom		12-10-97		2:15 PM			
NEU 777 Farm		12-10-97		3:00 PM			
Relinquished by: David Hadden		Date/Time: 12-11-97		11:00		Received by: DCH	
Relinquished by:		Date/Time:				Date/Time: 12/11/97	
Relinquished by:		Date/Time:				Date/Time:	
Method of Shipment:		Rush		(24-48 Hours)		10 Working Days	
Authorized by: David Hadden		Date: 12-11-97		Special Instructions:		HOLD FOR 10 DAYS + FARMING	
(Client Signature Must Accompany Request)							

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: **15-Dec-97**
COC No.: **6689**
Sample No.: **17076**
Job No.: **2-1000**

Project Name: **Chateau Oil & Gas - Neuman Overflow Pit**
Project Location: **NEU-205; Pit Banks**
Sampled by: **DH** Date: **10-Dec-97** Time: **14:00**
Analyzed by: **HR** Date: **15-Dec-97**
Sample Matrix: **Soil**

Laboratory Analysis

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

ND - Not Detected at Limit of Quantitation

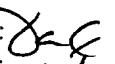
Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	ND	ND	mg/kg
Laboratory Fortified Spike Soil - QCSS1	843	800-1200	mg/kg

Duplication

Laboratory Identification	RPD	Limit RPD
17070-6689	<LOQ	15.0

Approved by: 
Date: **12/17/97**

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: 15-Dec-97
COC No.: 6689
Sample No.: 17077
Job No.: 2-1000

Project Name: *Chateau Oil & Gas - Neuman Overflow Pit*
Project Location: *NEU-206; Pit Bottom*
Sampled by: DH
Analyzed by: HR
Sample Matrix: *Soil*

Date: 10-Dec-97 Time: 14:15
Date: 15-Dec-97

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	ND	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
<i>Laboratory Fortified Blank Soil - QCBS2</i>	ND	ND	mg/kg
<i>Laboratory Fortified Spike Soil - QCSS1</i>	843	800-1200	mg/kg

Duplication

Laboratory Identification	RPD	Limit RPD
<i>17070-6689</i>	<LOQ	15.0

Approved by: *[Signature]*
Date: *12/17/97*

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: *12-Dec-97*
COC No.: *6689*
Sample No.: *17077*
Job No.: *2-1000*

Project Name: *Chateau Oil & Gas - Neuman Overflow Pit*
Project Location: *NEU-206; Pit Bottom*
Sampled by: *DH* Date: *10-Dec-97* Time: *14:15*
Analyzed by: *DC* Date: *11-Dec-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	ND	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
<i>TOTAL</i>	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: *12/12/97*

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[illegible]

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ANALYTICAL REPORT

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

Date: *15-Dec-97*
COC No.: *6689*
Sample No.: *17078*
Job No.: *2-1000*

Project Name: *Chateau Oil & Gas - Neuman*
Project Location: *NEU-777; Farm*
Sampled by: *DH*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *10-Dec-97* Time: *15:00*
Date: *15-Dec-97*

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	ND	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
<i>Laboratory Fortified Blank Soil - QCBS2</i>	ND	ND	mg/kg
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Laboratory Identification	RPD	Limit RPD
<i>17070-6689</i>	<LOQ	15.0

Approved by: *[Signature]*
Date: *12/17/97*

CHATEAU OIL & GAS NEUMAN #1 SEPARATOR PIT

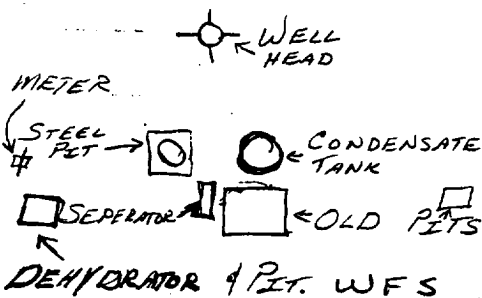
12-4-96 #1 CENTER BOTTOM 20' 191. PPM

12-4-96 #2 NORTH BANK @ 19' 356 PPM

12-4-96 #3 EAST BANK @ 19' 7.2 PPM

12-4-96 #4 SOUTH BANK @ 19' 296 PPM

12-4-96 #5 WEST BANK @ 12' 131 PPM



EXCAVATED SIZE 20'X20'X20'

TANK DRAIN PIT

2-5-96 #1 EAST BANK @ 19' 5.8 PPM

2-5-96 #2 SOUTH BANK @ 19' 4.2 PPM

2-5-96 #3 WEST BANK @ 19' 8.4 PPM

2-5-96 #4 NORTH BANK @ 19' 582.0 PPM

2-5-96 #5 BOTTOM CENTER @ 20' 482.0 PPM

EXCAVATED SIZE 20'X20'X20'

Crew pulled off of this job to meet Jicarilla pit closure deadline.

12-10-97

Neuman #1

A Pit Bottom 0.0 PPM
 4 Pit Comp 0.0 PPM
 B Pit Comp 0.0 PPM
 B Pit Bottom 0.0 PPM

A Pit

South 17' Bottom 19'
 East 17'
 West 10'
 North 17'

B Pit

South 17' Bottom 19'
 East 18'
 West 17'
 North 18'

Farm 40' x 150' x 1.5'

Comp 0.0 PPM

