

District I  
P.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

RECEIVED  
NOV 15 1990

PIT REMEDIATION AND CLOSURE REPORT

Operator: R. C. RESOURCES COMPANY INC. Telephone: (505) 326-6903

Address: 501 AIRPORT DR., SUITE 161, FARMINGTON, NEW MEXICO 87499

Facility Or: NICKSON # 11E  
Well Name

Location: Unit or Qtr/Qtr Sec C Sec 11 T 26N R 8W County SAN JUAN

Pit Type: Separator ☒ Dehydrator ☐ Other AND PRODUCTION TANK

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

Pit Location: Pit dimensions: length 29', width 30', depth 18'  
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 80'

Direction from reference: 54 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: \_\_\_\_\_ Date Completed: 1/5/96

Remediation Method: Excavation ☒ Approx. cubic yards 480  
(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: \_\_\_\_\_

Excavation - BEDROCK BOTTOM, FIBERGLASS TANK WILL BE  
INSTALLED IN PIT AREA.

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 see Attached Documents

Sample depth 13'

Sample date 1/5/96 Sample time 1130

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX(ppm) \_\_\_\_\_

Field headspace(ppm) 1.4

TPH 44 ppm

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 1/5/96

SIGNATURE



PRINTED NAME  
AND TITLE

ROBERT B. CUCK - President

CLIENT: R.R. CLICK

BLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199

LOCATION NO: BR314  
C.O.C. NO:

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: NICKSON WELL #: 11E PIT: SEP/PROD.  
QUAD/UNIT: C SEC: 11 TWP: 26N RNG: 8W PM: NM CNTY: SJ ST: NM  
QTR/FOOTAGE: 810' FNL/1770' FWL CONTRACTOR: EPC

DATE STARTED: 1-5-96  
DATE FINISHED:  
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 29 FT. x 30 FT. x 18 FT. DEEP. CUBIC YARDAGE: 480  
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED  
LAND USE: RANGE LEASE: SF - 078430 FORMATION: PC/DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 80 FT. N54W FROM WELLHEAD  
DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'  
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:  
SIDEWALLS - MOSTLY SILTY CLAY TO CLAY, COLOR RANGING FROM DK. YELL. BROWN TO OLIVE GRAY, MOIST, STIFF TO VERY STIFF (BOTTOM 1/2 OF SIDEWALLS), NO APPARENT HC ODOR IN ANY OF THE OVM SAMPLES.  
BOTTOM - BEDROCK, SHALY SANDSTONE, SOFT TO VERY HARD, STRONG HC IN OVM SAMPLES.

CHECK ONE:  
☐ PIT ABANDONED  
☒ STEEL TANK INSTALLED

SCALE  
0 FT

FIELD 418.1 CALCULATIONS

| TIME | SAMPLE I.D. | LAB No:  | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------|-------------|----------|------------|-----------|----------|---------|-----------|
| 1130 | 3C 13'      | TPH-1651 | 5          | 20        | 1:1      | 11      | 44        |
|      |             |          |            |           |          |         |           |
|      |             |          |            |           |          |         |           |

PIT PERIMETER

OVM RESULTS

PIT PROFILE

6' HIGH BERM  
29'  
30'  
SEP  
A  
UNDERGROUND PIPE LINE  
TO WELL HEAD

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| 1 @ 12'   | 0.0                       |
| 2 @ 14'   | 0.0                       |
| 3 @ 13'   | 1.4                       |
| 4 @ 14'   | 0.0                       |
| 5 @ 18'   | 68.4                      |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|-----------|----------|------|
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |

A  
29'  
18'  
3'  
2'

TRAVEL NOTES: CALLOUT: 1-4-96 AFTER. ONSITE: 1-5-96 MORN.

**BLAGG ENGINEERING, INC.**

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS**

Client: R.R. CLICK  
Sample ID: 3 @ 13'  
Project Location: Nickson # 11E  
Laboratory Number: TPH-1651

Project #:   
Date Analyzed: 01-05-96  
Date Reported: 01-05-96  
Sample Matrix: Soil

| Parameter                                   | Result, mg/kg | Detection<br>Limit, mg/kg |
|---------------------------------------------|---------------|---------------------------|
| -----                                       | -----         | -----                     |
| Total Recoverable<br>Petroleum Hydrocarbons | 44            | 20                        |

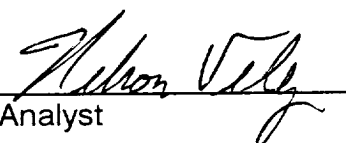
ND = Not Detectable at stated detection limits.

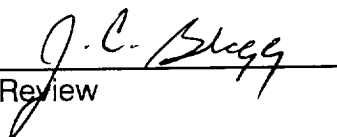
| QA/QC: | QA/QC Sample<br>TPH mg/kg | Duplicate<br>TPH mg/kg | %<br>*Diff. |
|--------|---------------------------|------------------------|-------------|
|        | -----                     | -----                  | -----       |
|        | 13700                     | 12120                  | 12.24       |

\*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total  
Recoverable, Chemical Analysis of Water and Waste,  
USEPA Storet No.4551, 1978

Comments: Separator/Production Tank Pit - BR314

  
Analyst

  
Review

CLIENT R.C. CLICKBLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199LOCATION NO: BR314C.D.C. NO: 6629

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION NAME: NICKSON WELL #: 11E PITS: SEP.  
QUAD/UNIT: C SEC: 11 TWP: 26N RNG: 8W PM: NM CNTY: ST ST: NM  
DEPT: NE/4 NW/4 CONTRACTOR: EPCDATE STARTED: 3/25/99DATE FINISHED: 3/26/99ENVIRONMENTAL  
SPECIALIST: NV

## WELL REVEALATION:

REMEDIATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 480LAND USE: RANGELIFT DEPTH (ft): 1-2

## FIELD NOTES &amp; REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'MOISTURE CONTENT: 0 NMOC TPH CLOSURE STD: 5000 PPM

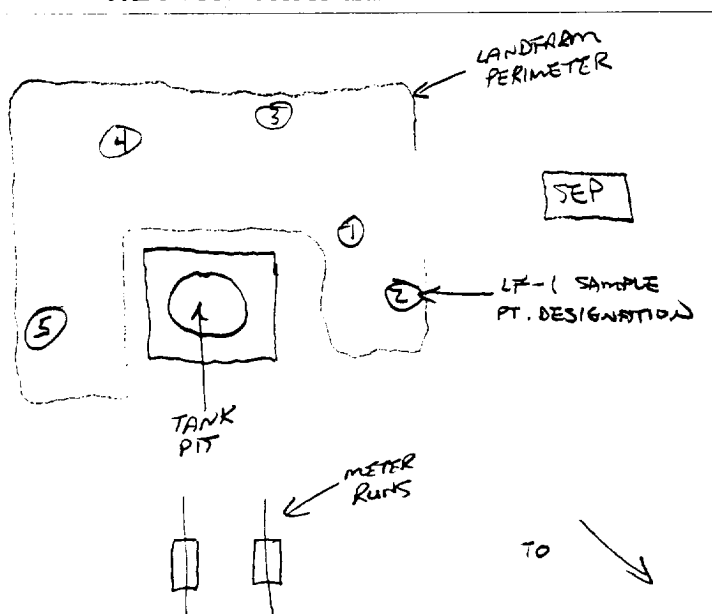
DR. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO VISIBLE STAINING OBSERVED  
e ANY OF THE SAMPLING PTS., SLIGHT HC ODOR DETECTED PHYSICALLY e (4) (SEE SKETCH BELOW)  
SAMPLING DEPTHS RANGE FROM 6-18 INCHES, COLLECTED 5 PT. COMPOSITE SAMPLE FOR  
LAB ANALYSIS.

**CLOSED**

## FIELD 418.1 CALCULATIONS

| SAMP. TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------------|-------------|---------|------------|-----------|----------|---------|-----------|
|            |             |         |            |           |          |         |           |
|            |             |         |            |           |          |         |           |
|            |             |         |            |           |          |         |           |
|            |             |         |            |           |          |         |           |
|            |             |         |            |           |          |         |           |
|            |             |         |            |           |          |         |           |

## SKETCH/SAMPLE LOCATIONS



## OVM RESULTS

## LAB SAMPLES

| SAMPLE ID | FIELD HEADSPACE PID (ppm) | SAMPLE ID | ANALYSIS   | TIME | RESULT |
|-----------|---------------------------|-----------|------------|------|--------|
| LF-1      | 0.0                       | LF-1      | TPH (8018) | 1215 | 0.4    |
|           |                           |           |            |      |        |
|           |                           |           |            |      |        |
|           |                           |           |            |      |        |
|           |                           |           |            |      |        |
|           |                           |           |            |      |        |

## SCALE

0 1 FT

## TRAVEL NOTES:

CALLOUT: 3/22/99ON SITE: 3/25/99

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

|                      |                        |                     |          |
|----------------------|------------------------|---------------------|----------|
| Client:              | Blagg / R.C. Resources | Project #:          | 403410   |
| Sample ID:           | LF - 1                 | Date Reported:      | 03-26-99 |
| Laboratory Number:   | E868                   | Date Sampled:       | 03-25-99 |
| Chain of Custody No: | 6629                   | Date Received:      | 03-26-99 |
| Sample Matrix:       | Soil                   | Date Extracted:     | 03-26-99 |
| Preservative:        | Cool                   | Date Analyzed:      | 03-26-99 |
| Condition:           | Cool and Intact        | Analysis Requested: | 8015 TPH |

| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 0.3                      | 0.2                      |
| Diesel Range (C10 - C28)     | 0.1                      | 0.1                      |
| Total Petroleum Hydrocarbons | 0.4                      | 0.2                      |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Nickson #11E - Landfarm. 5 Pt. Composite.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

6629

| Client / Project Name                                                                            |             |             |            | Project Location         |                   | ANALYSIS / PARAMETERS |      |                                             |  |      |         |                                                    |      |                 |   |     |
|--------------------------------------------------------------------------------------------------|-------------|-------------|------------|--------------------------|-------------------|-----------------------|------|---------------------------------------------|--|------|---------|----------------------------------------------------|------|-----------------|---|-----|
| BLAGG / R.C. RESOURCES                                                                           |             |             |            | NICKSON WELL SITES       |                   |                       |      |                                             |  |      |         |                                                    |      |                 |   |     |
| Sampler: NTJ                                                                                     |             |             |            | Client No. 04034-10      |                   |                       |      |                                             |  |      |         |                                                    |      |                 |   |     |
| Sample No./ Identification                                                                       | Sample Date | Sample Time | Lab Number | Sample Matrix            | No. of Containers |                       |      |                                             |  |      | Remarks |                                                    |      |                 |   |     |
| BH-1 @ 6'                                                                                        | 3/25/99     | 1115        | E8666      | SOIL                     | 1                 | ✓                     |      |                                             |  |      |         | ALL SAMPLES PRESERV. - COOL NICKSON #9E - DRIP PIT |      |                 |   |     |
| BH-1 @ 6.5'                                                                                      | 3/25/99     | 1135        | E867       | SOIL                     | 1                 | ✓                     |      |                                             |  |      |         | NICKSON #9E - SEPARABLE PIT                        |      |                 |   |     |
| LF-1                                                                                             | 3/25/99     | 1215        | E868       | SOIL                     | 1                 | ✓                     |      |                                             |  |      |         | NICKSON #11E - LANDFARM 5 FT. COMPOSITE            |      |                 |   |     |
| TB @ 4'                                                                                          | 3/25/99     | 1300        | E869       | SOIL                     | 1                 | ✓                     |      |                                             |  |      |         | NICKSON #11 - TANK BOTTOM LOCATION                 |      |                 |   |     |
| Relinquished by: (Signature) <i>[Signature]</i>                                                  |             |             |            | Date                     | 3/25/99           | Time                  | 0841 | Received by: (Signature) <i>[Signature]</i> |  | Date | 3/26/99 | Time                                               | 0841 |                 |   |     |
| Relinquished by: (Signature) <i>[Signature]</i>                                                  |             |             |            | Received by: (Signature) |                   |                       |      |                                             |  |      |         |                                                    |      |                 |   |     |
| Relinquished by: (Signature)                                                                     |             |             |            | Received by: (Signature) |                   |                       |      |                                             |  |      |         |                                                    |      |                 |   |     |
| <b>ENVIROTECH INC.</b><br>5796 U.S. Highway 64<br>Farmington, New Mexico 87401<br>(505) 632-0615 |             |             |            |                          |                   |                       |      |                                             |  |      |         |                                                    |      | Sample Receipt  |   |     |
|                                                                                                  |             |             |            |                          |                   |                       |      |                                             |  |      |         |                                                    |      | Y               | N | N/A |
|                                                                                                  |             |             |            |                          |                   |                       |      |                                             |  |      |         |                                                    |      | Received Intact |   | ✓   |
| Cool - Ice/Blue Ice                                                                              |             | ✓           |            |                          |                   |                       |      |                                             |  |      |         |                                                    |      |                 |   |     |