District I

District II

District III

P.O. Box 1980, Hobbes, NM

'.O. Drawer DD, Arteus, NM 88211

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resource Department

VATION DIVISION

SUBMIT 1 COPY TO **APPROPRIATE DISTRICT OFFICE** AND 1 COPY TO SANTA FE OFFICE (Revised 3/9/94)

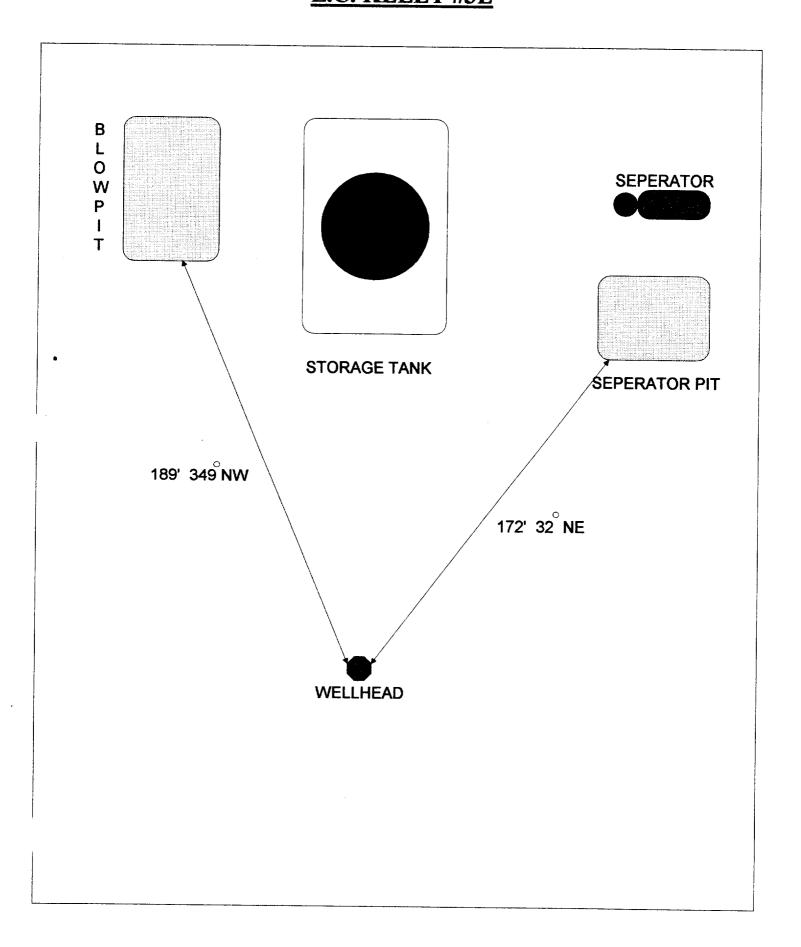
PIT REMEDIATION AND CLOSURE REPORT

| Operator: AMOCO PRODUCTION COMPANY | | Telephone: (505) 326-9219 |
|---|------------------------|---------------------------|
| Address: 200 AMOCO COURT, FARMINGTON, NM | 87401 | |
| Facility Or: L.C. KELLY #3E | | |
| Well Name | 20 12 | CAN HIAN |
| Location: Unit or Qtr/Qtr Sec SE/NE Sec 4 | | County SAN JUAIN |
| Pit Type: Separator Dehydrator | | |
| Land Type: BLM XX State Fee Fee | Other | |
| Pit Location: Pit dimensions: Length | 47 width 44 depth | 7 |
| ` ' | ∴ Other | See Attached |
| Footage from reference: 189 | ·) | |
| Direction from reference: | | last North \times 915 |
| Direction from reference. | | of |
| , | χ., ν | Vest South |
| | <u></u> | vest south |
| Depth To Ground Water: | Less than 50 feet | (20 points) |
| (Vertical Distance from | 50 feet to 99 feet | (10 points) |
| contaminants to seasonal high water elevation of | Greater than 100 feet | (0 points)0 |
| ground water) | | |
| | | |
| Wellhead Protection Area: (less than 200 feet from a private | Yes | (20 points) |
| domestic water source, or, less than | No | (0 points) <u>0</u> |
| 1000 feet from all other water sources) | | |
| Distance To Sunface Water | Less than 200 feet | (20 mainte) |
| Distance To Surface Water: (Horizontal distance to perennial | 200 feet to 1000 feet | (20 points) (10 points) |
| lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | Greater than 1000 feet | • |
| ingadon canais and diches) | Greater mail 1000 leet | (0 points) |
| | | |
| | RANKING SCORE | (TOTAL POINTS):0 |

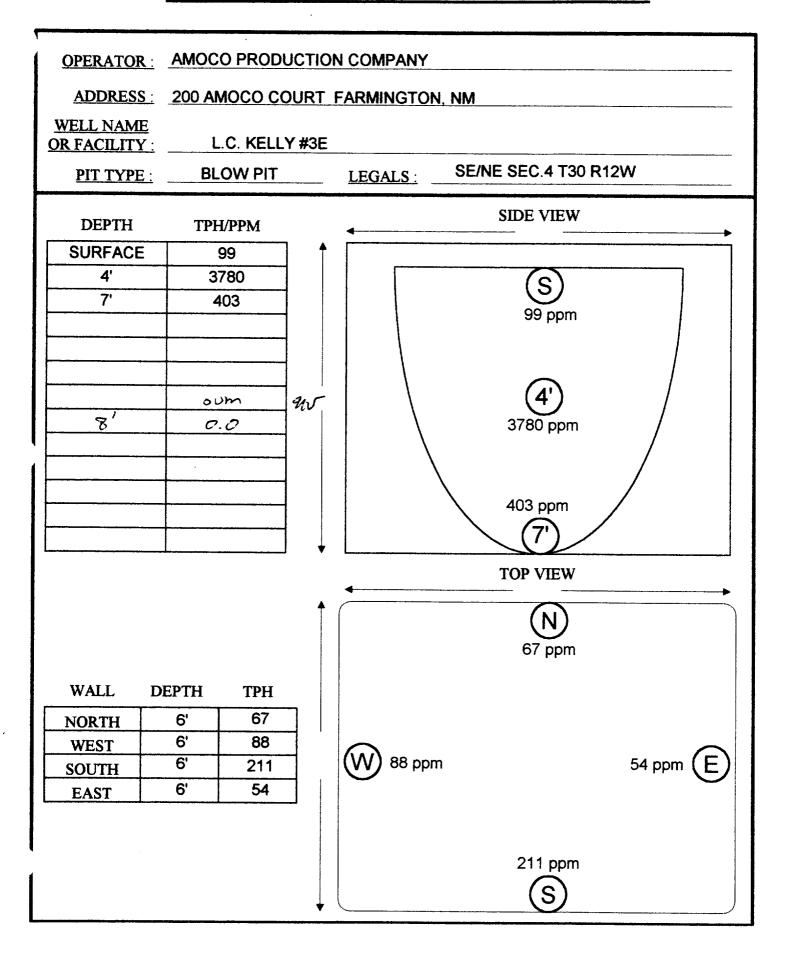
| Date Remediation Started: | 06/17/94 Date Completed: 06/17/94 | | | |
|---|--|--|--|--|
| Remediation Method: | Excavation XX Approx. cubic yards 536 | | | |
| | , | | | |
| | Landfarmed Insitu Bioremediation | | | |
| | Other | | | |
| | | | | |
| Remediation Location: (ie. landfarmed onsite, name and location of offsite facility) | Onsite XX Offsite | | | |
| General Description of Ren | nediation Action: | | | |
| CONTAMINATION WAS | REMEDIATED BY DILUTION AND AERIATION. | | | |
| · · · · · · · · · · · · · · · · · · · | | | | |
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| | | | | |
| | | | | |
| Ground Water Encountered | i: No Yes Depth | | | |
| | | | | |
| Final Pit: Closure Sampling: (if multiple samples, attach sample results | Sample location See Attached | | | |
| and diagram of sample | Sample depth7 | | | |
| locations and depths) | Sample date 06/17/94 Sample time 03:30:00 | | | |
| | Sample Results | | | |
| | Benzene (ppm) | | | |
| | | | | |
| | Field headspace (ppm) CO & B' 11/17/97 NV | | | |
| | TPH 403 | | | |
| Ground Water Sample: | Yes No _XX (If yes, attach sample results) | | | |
| I HEREBY CERTIFY THAT INFORMATION ABOVE IS TRUE AND COMPLETE | | | | |
| | | | | |
| | | | | |
| | | | | |

| Date Remediation Started: | 06/17/94 Date Completed: 06/17/94 |
|--|---|
| Remediation Method: | Excavation XX Approx. cubic yards 536 |
| | |
| | Landfarmed Insitu Bioremediation |
| | Other |
| | |
| | |
| Remediation Location: (ie. landfarmed onsite, | Onsite XX Offsite |
| name and location of | |
| offsite facility) | |
| - | nediation Action: REMEDIATED BY DILUTION AND AERIATION. |
| CONTRAINMENTION WAS | REMEDIATED BY DECTION AND ALICATION. |
| | |
| | |
| | |
| | |
| | |
| | |
| Ground Water Encountered | l: No Yes Depth |
| Final Pit: | |
| Closure Sampling: (if multiple samples, | Sample location See Attached |
| attach sample results | |
| and diagram of sample locations and depths) | Sample depth 7 |
| , | Sample date <u>06/17/94</u> Sample time <u>03:30:00</u> |
| | Sample Results |
| | Benzene (ppm) |
| | Total BTEX (ppm) |
| | Field headspace (ppm) 0.0 e g' 11/17/97 90 |
| | TPH403 |
| Ground Water Sample: | Yes No XX (If yes, attach sample results) |
| I HEREBY CERTIFY THA | AT INFORMATION ABOVE IS TRUE AND COMPLETE |
| | JOUR EDGE AND BELLEE |
| DATE // | 1-95 5/23/98 MENVIRONMENTA |
| SIGNATURE | 1-95 5/23/98 PRINTED NAME AND TITLE COORDINATOR |

AMOCO PRODUCTION COMPANY L.C. KELLY #3E



FINAL PIT CLOSURE SAMPLING REPORT



And the second of the second o

| P.O. BOX 87, BLO | INEERING, INC. DOMFIELD, NM 87413 | LOCATION NO WEE |
|--|--|----------------------------|
| (505) | 632-1199 | |
| FIELD REPORT: LANDFARM/COM | POST PILE CLOSURE | |
| LOCATION NAME / C VIII Y WELL #: 3 | E PITS: BLOW | DATE STARTER JILI797 |
| QUAD/UNIT: H SEC: 4 TWP: 30N RNG: 12W | PM: NMCNTY: JJ STNM | DATE FINISHED: |
| | WHOLE EARTH | ENVIRONMENTAL NV/EP |
| | | |
| SOIL REMEDIATION: | <u>J</u> APPROX. CUBIC Y | ARDAGE: 536 |
| REMEDIATION SYSTEM: DILUTION & ELECTION | | |
| LAND USE: RANGE | LIFT DEPTH (ft): | |
| FIELD NOTES & REMARKS: | | |
| DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE | E: NEAREST SURFAC | E WATER: >1000 |
| NIMOCD TOU CLOSURE ST | rn: 5000 PPM | |
| BORING CONDUCTED & PIT CENTER ACCORD | ING TO PIT CLOSURE RECOR | ED, REACHED 9' DEPTH |
| FROM GRADE BORING CONSIST OF DK. YELL. | AGNOWED BORING COLLECTED | SAMPLES FROM 3,5, |
| BORING CONDUCTED & PIT CENTER ACCORD FROM GRADE, BORING CONSIST OF DK. YELL. CLAY TO 9, NO HC ODOR DESERVED THROUGH B' DEPTHS BELOW GRADE, COLLECTED Z BELOW GRADE) 5 PT. COMPOSITE COLLECTED BELOW GRADE) 5 PT. COMPOSITE COLLECTED | ANPLES PTS, USING HAND A | WEER (Z'-3' DEPTHS |
| BELOW GLADE) 5 PT. COMPOSITE COLLECTED RELATED SOIL PLACED BACK INTO EXCAUNT | for the home, size of supp ED ARFA. | 705 EGC 9 - 0/C-1 (CD - G- |
| HEALT SOIL THE THE THE | 18.1 CALCULATIONS | |
| SAMP. TIME SAMPLE I.D. LAB No: WEIGH | IT (q) mL. FREON DILUTION READIL | NG CALC. ppm |
| SAME. HINE SAMELE I.D. S. D. 101 | | |
| | | |
| | | |
| | | |
| | | |
| SKETCH/SAMPLE LOCATIONS | - | |
| | | |
| | | TALL MINING |
| | OVM RESULTS | LAB AMPLES |
| SITE SITE MAP | SAMPLE FIELD HEADSPACE SAMPL ID PID (ppm) ID | |
| | 0A-1 0.0 DA-1 | (8015) 1000 ND |
| | Se8' 0.0 | |
| | | |
| | | |
| | | |
| | | |
| | SCALE | |
| | | |
| | O FT | |

TRAVEL NOTES:

CALLOUT: NA

11/17/97

ONSITE:



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| Client: | Blagg / AMOCO | Project #: | 04034-10 |
|----------------------|-----------------|---------------------|----------|
| Sample ID: | DA - 1 | Date Reported: | 11-20-97 |
| Laboratory Number: | C520 | Date Sampled: | 11-17-97 |
| Chain of Custody No: | 5431 | Date Received: | 11-19-97 |
| Sample Matrix: | Soil | Date Extracted: | 11-19-97 |
| Preservative: | Cool | Date Analyzed: | 11-19-97 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 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:

L. C. Kelly #3E Blow Pit. 5 Pt. Composite.

Stacy W Sendler

CHAIN OF CUSTODY RECORD

| | 01 | ENVIROTECH INC. 57% U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615 | EOVIROI 57% U.S. Hi Farmington, N. | 18h5' heh3' eeps' 18ps | FEBJ'E | £ eh 3'9eh S EEP 5'1EP S | shs sos fre |
|---------------|-------------------------|---|--|---------------------------|----------------|-----------------------------|--------------------------------|
| | ignature) | Received by: (Signature | | | | | Relinquished by: (Signature) |
| | ignature) / | Received by: (Signature | | | | _ | Relinquished by: (Signature) |
| 11-14-07 0805 | Signature) E. Que | Received by (Signature | Date Time | <i>y</i> | | V.L | Relinquished by: (Signature) |
| Dok | e vecelled coals iluter | 2 cm | | | | | |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| Composite | 5 %. | \ | 2012 | C 520 | 1000 | ryulii | DA-1 |
| N cool | Plesser. | N ₁ Con | Sample Matrix | Lab Number | Sample Time | Sample Date | Sample No./ Identification |
| Remarks | PH (15) | o. of tainers | 6 | Chain of Custody Tape No. | | D. | Sampler: (Signatug) (Library) |
| | ANALYSIS/PARAMETERS | | 4 #3E | L.C. KELLY | | 000 | Berses/ Amo co |
| | COND | יייייייייייייייייייייייייייייייייייייי | CHAIN OF COSTOD! NECOND | | | | Clinat/Divisor Name |

District I P.O. Box 1980, Hobbes, NM

'.O. Drawer DD, Arteus, NM 88211

1000 Rio Brazos Rd, Aztec, NM 87410

District II

District III

State of New Mexico Energy, Minerals and Natural Resource Department

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO **APPROPRIATE** DISTRICT OFFICE AND I COPY TO SANTA FE OFFICE (Revised 3/9/94)

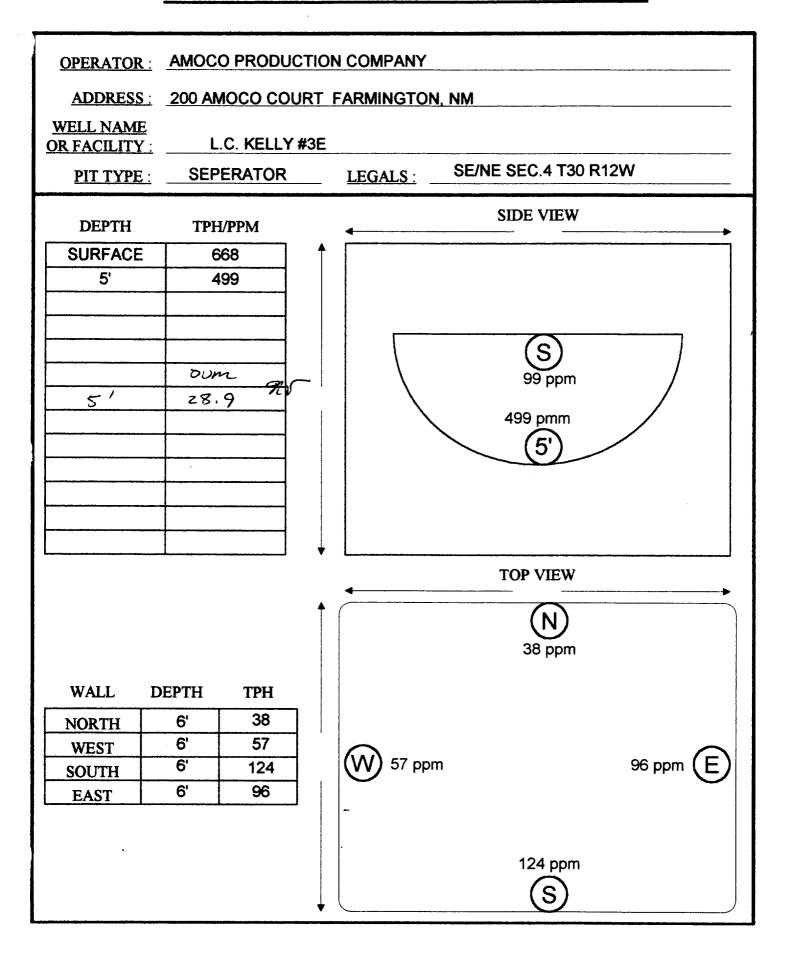
PIT REMEDIATION AND CLOSURE REPORT

| Operator: AMOCO PRODUCTION COMPANY | | Telephone: (505) 3 | 26-9219 |
|---|------------------------|--------------------|--------------|
| Address: 200 AMOCO COURT, FARMINGTON, NM | | | |
| Facility Or: L.C. KELLY #3E Well Name | | | |
| Location: Unit or Qtr/Qtr Sec SE/NE Sec 4 | т 30 R 12 | County SAN JUAN | |
| Pit Type: Separator XX Dehydrator | Other | | · |
| Land Type: BLM XX State Fee | Other | | |
| | | | |
| Pit Location: Pit dimensions: Length _ (Attach diagram) | 21 width15 dep | oth5 | |
| Reference: wellhead | Other | | See Attached |
| rootage from reference. | יצי | _ | an V |
| Direction from reference: 3 | Z_Degrees | East North | |
| | | of | |
| | | West South | |
| D. of T. Commit Witten | Less than 50 feet | (20 points) | |
| Depth To Ground Water: (Vertical Distance from | 50 feet to 99 feet | (10 points) | |
| contaminants to seasonal high water elevation of | Greater than 100 feet | (0 points) | o |
| ground water) | Greater than 100 leet | (о роши) | |
| | | | |
| Wellhead Protection Area: | Yes | (20 points) | • |
| (less than 200 feet from a private domestic water source, or, less than | No | (0 points) | 0 |
| 1000 feet from all other water sources) | | | |
| | | (00 1 1 2 | |
| Distance To Surface Water: (Horizontal distance to perennial | Less than 200 feet | (20 points) | |
| lakes, ponds, rivers, streams, creeks, | 200 feet to 1000 feet | (10 points) | 0 |
| irrigation canals and ditches) | Greater than 1000 feet | (0 points) | |
| | | | |
| | RANKING SCO | RE (TOTAL POINTS): | 0 |

| Date Remediation Started: | 06/17/94 Date Completed: 06/17/94 |
|--|---|
| Remediation Method: | Excavation XX Approx. cubic yards 58 |
| | Landfarmed Insitu Bioremediation |
| | Other |
| Remediation Location: (ie. landfarmed onsite, name and location of offsite facility) | Onsite XX Offsite |
| General Description of Ren | nediation Action: |
| CONTAMINATION WAS | REMEDIATED BY DILUTION AND AERITION. |
| | |
| | |
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| | |
| | |
| | |
| Ground Water Encountered | l: No Yes Depth |
| Final Pit: Closure Sampling: (if multiple samples, | Sample location See Attached |
| attach sample results and diagram of sample | Sample depth5 |
| locations and depths) | Sample date 06/17/94 Sample time 02:00:00 |
| | Sample Results |
| | Benzene (ppm) |
| | Total BTEX (ppm) 28.9 6 5 / 1/2i/93 91 |
| | |
| Committee Commit | |
| Ground Water Sample: | Yes No XX (If yes, attach sample results) |
| I HEREBY CERTIFY THA | T INFORMATION ABOVE IS TRUE AND COMPLETE |
| TO THE BEST OF MY KN | |
| DATE // /-H= | 95 5/23/98 41V Environmental |
| SIGNATURE S | PRINTED NAME ENVIRONMENTAL AND TITLE COORDINATOR |

| Date Remediation Started: 06/17 | /94 Date Completed: 06/17/94 |
|--|---|
| Remediation Method: Excavat | ion XX Approx. cubic yards58 |
| L | |
| Landfar | med Insitu Bioremediation |
| Other | |
| | |
| Remediation Location: Onsite | XX Offsite |
| (ie. landfarmed onsite, | Olisic |
| name and location of offsite facility) | |
| General Description of Remediation | Action: |
| - | ATED BY DILUTION AND AERITION. |
| | |
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| · · · · · · · · · · · · · · · · · · · | |
| | |
| | |
| Ground Water Encountered: | No Yes Depth |
| Orband Water Encountered. | 10 165 |
| Final Pit: Closure Sampling: (if multiple samples, attach sample results | Sample location See Attached |
| and diagram of sample | Sample depth5 |
| locations and depths) | Sample date06/17/94 Sample time02:00:00 |
| | |
| | Sample Results |
| | Benzene (ppm) |
| | Total BTEX (ppm) 28.9×5 $1/21/93$ $91\sqrt{2}$ |
| | |
| Cound Water Commiss. Voc | |
| Ground Water Sample: Yes | |
| | NoXX (If yes, attach sample results) |
| I HEREBY CERTIFY THAT INFOR | MATION ABOVE IS TRUE AND COMPLETE |
| I HEREBY CERTIFY THAT INFOR | MATION ABOVE IS TRUE AND COMPLETE GE AND BELIEF |
| • | MATION ABOVE IS TRUE AND COMPLETE |

FINAL PIT CLOSURE SAMPLING REPORT



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| P.O. BOX 87, BLO | NEERING, INC. OMFIELD, NM 87413 632-1199 LOCATION NO: WEE C.O.C. NO: S577 | | | |
|---|---|--|--|--|
| | | | | |
| FIELD REPORT: LANDFARM/COM | POST PILE CLOSURE VERIFICATION | | | |
| LOCATION: NAME: L. C. KELLY WELL #: 3 | I DATE FINISHED: | | | |
| QUAD/UNIT: H SEC: 4 TWP: 30N RNG: 1ZW OTR/FOOTAGE: 5E/4 NE/4 CONTRACTOR: | | | | |
| SOIL REMEDIATION: | | | | |
| REMEDIATION SYSTEM: DILLTON & AERTHON | APPROX. CUBIC YARDAGE: 58 | | | |
| LAND USE: RANGE LIFT DEPTH (ft): NA | | | | |
| LAND USE: NHOGE | LIFT DEPTH (IC). | | | |
| FIELD NOTES & REMARKS: | 1 | | | |
| DEPTH TO GROUNDWATER: 2100 NEAREST WATER SOURCE | NEAREST SURFACE WATER: | | | |
| NMOCD RANKING SCORE: D NMOCD TPH CLOSURE STI | STOO PPM | | | |
| CONDUCTED BORING & PIT CENTER ACCORDING | TED 3 JAMPE PTS. WING HAND AUGER | | | |
| HE ODER & BORING TOTAL DEPTH, COLLECT | TED 3 JAMPLE PTS. WING HAUD AUGER | | | |
| (1-2 DEPTHS FROM GRADE) 5 PT. COMPOST | ROUD JAND THROUGHOUT ENTIRE BORING SUGHT TED 3 JAMPL PTS. WING HAND AUGER THE COLLECTED FOR LAB ANALYSIS OF SUPPOSEDLY EXCAUATED AREA. | | | |
| DILLTED & AERATED SOIL PLACED SHOTE TOTAL | (All parties of the second of | | | |
| EIEL D. 416 | 3.1 CALCULATIONS | | | |
| | (g) mL. FREON DILUTION READING CALC. ppm | | | |
| SAMP. HIME SAMPLE I.D. LAB NO. WEIGHT | (9) | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| SKETCH/SAMPLE LOCATIONS | | | | |
| | | | | |
| | | | | |
| | OVM RESULTS LAB SAMPLES | | | |
| | SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS | | | |
| | DA-1 1-4 DA-1 (2015) 1/40 ND | | | |
| A P | (S)es' 28.9 | | | |
| SEE SITE MAP | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | SCALE | | | |
| | | | | |
| | 0 FT | | | |
| TRAVEL NOTES: ONLINE NO | ONSITE: | | | |



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

| Client: | Blagg / AMOCO | Project #: | 04034-10 |
|----------------------|-----------------|---------------------|----------|
| Sample ID: | DA - 1 | Date Reported: | 11-26-97 |
| Laboratory Number: | C554 | Date Sampled: | 11-21-97 |
| Chain of Custody No: | 5577 | Date Received: | 11-24-97 |
| Sample Matrix: | Soil | Date Extracted: | 11-24-97 |
| Preservative: | Cool | Date Analyzed: | 11-25-97 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) | | |
|------------------------------|--------------------------|--------------------------|--|--|
| Gasoline Range (C5 - C10) | ND | 0.2 | | |
| Diesel Range (C10 - C28) | ND | 0.1 | | |
| Total Petroleum Hydrocarbons | ND | 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:

L. C. Kelly # 3E Separator Pit. 5 Pt. Composite.

Stacy W Sendler

CHAIN OF CLISTODY RECORD

| 1000 \$ 2000 \$ 5015 \$855 \$ 5455 | Relinquished by: (Signature) | Relinquished by: (Signature) | Relinquished by: (Signature) | | | | | | OA-1 1/2/197 1/40 | Sample Sample Identification Date Time | 1 | Sampler: (Signature) | Sisses/ Amoco | Client/Project Name | |
|---|------------------------------|------------------------------|------------------------------|-----------------|--|--|--|---|-------------------|--|------------------|---------------------------|---------------------|---------------------|-------------------------|
| 7+ | | | 3 | | | | | | 5554 | Lab Number | 0 | Chain of Custody Tape No. | L.C. KELLY | Project Location 5 | C |
| ENVIROTECH INC. 57% U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615 | | | Date Time 24/97 0 805 | SAMPLE | | | | | 5012 | Sample Matrix | | o § | y #3E | SEAMMATOR PIT | HAIN OF CUS |
| CH INC. way 64-3014 Mexico 87401 2-0615 | Received by: (Signature) | Received by: (Signature) | Received by: (Signature) | RECEIVED COOL + | | | | < | \ \ | Co | No. of ontainers | | ANALYSIS/PAHAME EHS | | CHAIN OF CUSTODY RECORD |
| | | | Date Time | MOTOC DUMP | | | | | 5 pt. Compatte | PRESERV COOL | | Remarks | : JERO | | |