JICARILLA APACHE TRIBE Blow (II) BISS3 SUBMIT 1 COP

ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 OFFICE SEP AND OIL & GAS ADMINISTRATION

DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

| Operator: AMOCO PRODUCTION COMPANY | (例は、 |
|---|--|
| Address: 200 Amoco Court, Farmington, NM | 87401 |
| Facility or Well Name: TCARILLA APRO | HE TRIBER 151-2 |
| Location: Unit or Otr/Otr Sec A Sec_10 T_Z6N | REW County RIO ARREST |
| Pit Type: Separator Dehydrator Other 8 | LOW (I) |
| Land Type: RANGE | |
| 4. | , width15', depth5' |
| | her |
| Footage from reference: 90 | |
| Direction from reference: 34 | Degrees East North Of |
| | West South |
| Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater) | Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) |
| Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width) | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds) | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| 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) |
| Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) |
| . p | ANKING SCORE (TOTAL POINTS): |

| | 1 1 2 |
|--|---|
| Date Remediation Sta | Date Completed: 5/7/98 |
| emediation Method: | Excavation Approx. cubic yards |
| eck all appropriate sections) | Landfarmed Insitu Bioremediation |
| | Other |
| Remediation Location (i.e. landfarmed onsite, name and location of offsite facility) | |
| General Description | of Remedial Action: Excavation EXERNATION MOSTLY BEDROCK |
| THEREFORE NO | TPH ANDUSIS WAS CONDUCTED. |
| Groundwater Encoun | |
| Final Pit: Closure Sampling: (if multiple samples, | Sample location see Attached Document TV |
| attach sample results and diagram of sample locations and depths) | Sample depth 5' Sample date 5/98 Sample time 930 |
| | Sample Results |
| lı | Soil: Benzene (ppm) Water: Benzene (ppb) |
| | Total BTEX (ppm) Toluene (ppb) |
| | Field Headspace (ppm) 91.4 Ethylbenzene (ppb) |
| | TPH (ppm) NP Total Xylenes (ppb) |
| Groundwater Sample | e: Yes No (If yes, attach sample results) |
| I HEREBY CERTIFY KNOWLEGE AND B | Y THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY BELIEF |
| DATE | PRINTED NAME Buddy D. Shaw |
| SIGNATURE Suc | AND TITLE Environmental Coordinator |
| AFTER REVIEW OF TO THE JICARILLA | F THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE A APACHE TRIBE PIT CLOSURE ORDINANCE. |
| APPROVED: YES 2 | NO (REASON) |
| SIGNED: | DATE: 5-7-98 |

| BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | C.O.C. NO: |
|---|--|
| LOCATION: NAME: THE RP. TRUEBL 151 WELL #: Z PIT: BLOW (I) OUAD/UNIT: A SEC: W TWP: Z6N RNG: 5W PM: NM CNTY: RA ST: NM | DAGE NO: Of DATE STARTED: 5 7 19 8 DATE FINISHED: ENVIRONMENTAL SPECIALIST: NU |
| EXCAVATION APPROX16 | MATION: DK MATION |
| DUSKY RED IN COLOR SOFT (NEAR GROUND SULFREE) TO (TOWARD PIT BOTTOM) NO APPARENT STAINING OR HE WIN EXCRUPTION PIT BOTTOM - OLIVE GLAY VERY HARD M STAINING OR HC ODOR OBSERVED HC OPOR OFFECTED OWN SAMPLE ONLY NO TOPY ANALYSIS CONDUCTED ONE TO BEINE BEDROCK. ENTIRE EXCRUATION MOSTLY SCALE O930 FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DIL SCALE O930 | ODOR OBSELVED A133AKENT N PIT BOTTOM ALL SAMPLES |
| A LANSFRICM | PROFILE 16 2'I OROCX OHOLE) |
| HEAD AREA LAB SAMPLES SAMPLE ANALYSIS TIME | |

BJ553

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

| | (505)326-9200 |
|---|--|
| Operator: AMOCO PRODUCTION COMPANY | Telephone: (505)326-9200 |
| Address: 200 Amoco Court, Farmington, NM | |
| Facility or Well Name: JICARLLA APACHE | E TRIBAL 151-2 |
| Location: Unit or Qtr/Qtr Sec A Sec 10 TZ6N | R 5W County LID ARRIBA |
| Pit Type: Separator Dehydrator Other | WW (I) |
| | |
| | ر , width المرابع , depth 6 / |
| (A seath diagram) | |
| Reference: wellhead X, oth | her |
| Footage from reference: 215' | |
| Direction from reference: 63 | Degrees East North of West South |
| | west south |
| Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater) | Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) |
| Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width) | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds) | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| 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) |
| Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) |
| n R | ANKING SCORE (TOTAL POINTS): |

| | -1-108 |
|--|--|
| Date Remediation Sta | rted: Date Completed: 5/7/98 |
| "mediation Method: | |
| eck all appropriate actions) | Landfarmed |
| · | Other |
| Remediation Location (i.e. landfarmed onsite, name and location of offsite facility) | |
| General Description of | of Remedial Action: Excavation EXCAUATION MOSTLY BEOROCK |
| THELEFORE NO | TPH ANAYSIS LUAS CONDUCTED. RISK ASSESSED. |
| Groundwater Encoun | V 33 |
| | |
| Final Pit: Closure Sampling: (if multiple samples, | Sample location see Attached Documents |
| attach sample results and diagram of sample | Sample depth3 |
| locations and depths) | Sample date SIRING Sample time 1040 |
| | Sample Results |
| h | Soil: Benzene (ppm) Water: Benzene (ppb) |
| | Total BTEX (ppm) Toluene (ppb) |
| | Field Headspace (ppm) 170.7 Ethylbenzene (ppb) |
| | TPH (ppm) NP Total Xylenes (ppb) |
| Groundwater Sample | : Yes No _ Clf yes, attach sample results) |
| I HEREBY CERTIFY KNOWLEGE AND B | THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY ELIEF |
| DATE | 5/7/98 PRINTED NAME Buddy D. Shaw |
| SIGNATURE BLA | Ly D. Shaw AND TITLE Environmental Coordinator |
| A SYNCH DESCRIPTION OF | THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE APACHE TRIBE PIT CLOSURE ORDINANCE. |
| APPROVED: YES | NO (REASON) |
| SIGNED: Kew | DATE: 5-7-98 |

| BLAGG ENGINEERING, INC. | LOCATION NO: 87553 |
|---|---|
| BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | C.D.C. ND: |
| FIELD REPORT: CLOSURE VERIFICATION | PAGE No: of |
| OCATION: NAME: TICA, AP. TRUROL 15 WELL #: Z PIT: BLOW (II) | DATE STARTED: 5/7/98 DATE FINISHED: |
| QUAD/UNIT: A SEC: 10 TWP: 260 RNG: 500 PM: NMCNTY: RA ST: NM OTR/FOOTAGE: NELY DELY CONTRACTOR: P 65 | ENVIRONMENTAL NV SPECIALIST: |
| EXCAVATION APPROX. 41 FT. x 42 FT. x 6 FT. DEEP. CUBIC | D: UNDFAIRM |
| LAND USE: RANGE LEASE: JIC 151 FOR | (MATION: |
| FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 215 FT. 5 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE | 563ω FROM WELLHEAD. E WATER: >1000' |
| NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 7 | _ PIT ABANDONED |
| SOIL AND EXCAVATION DESCRIPTION: | _STEEL TANK INSTALLED _FIBERGLASS TANK INSTALLED |
| EXCRUATION CONSIST OF MOSTLY BEDROCK, TOP HOLF CONSIST OF PARENT STRINGING OF OBSERVED. BOTTOM HALF CONSIST OF PARE MARKE SHALE SON HARD (e PIT BOTTOM) NO APPARENT STRINGING OR HE OF PIT BOTTOM OUVE GRAY IN COLOR VERY HARD, NO APPARENT OFFICE EXCRUMINANT MOSTLY BEDROCK SCALE TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON D SCALE O FT PIT PERIMETER N OVM RESULTS OVM RESULTS | PROFILE |
| SAMPLE FIELD HEADSPACE PID (ppm) 1 = 3 ' 62.1 2 = 3 ' 0.0 3 = 3 ' 120.2 1 3 ' 1 1 1 1 1 1 1 1 1 | YZ' 3'I EDROCK |
| 42' 0 5 D HEAD 5 E 6' 0.0 | SHALE) |
| A' LAB SAMPLES SAMPLE ANALYSIS TIME DIRECTION | |
| | |
| TRAVEL NOTES: CALLOUT: 5/6/98 -AFTER- ONSITE: 5/7/98 - A | nokn. |

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizonal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Apache Tribal 151 #2

Unit A, Sec. 10, T26N, R5W

Blow Pit (II) Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered shale bedrock at 6 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

- Past production fluids were contained locally by a relatively shallow shale bedrock located 6 feet 1. below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below shale bedrock.
- Topographic information does not indicate off site lateral fluid migration near the earthen pit. 2.
- Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the 3. pit is believed to be under 5 barrels per day.
- Well site located within the non-vulnerable area and is approximately 1.9 miles south of the 4. nearest vulnerable area boundary (Cereza Canyon wash).

(Refer to Vigas Canyon Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), photorevised 1982, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the shale bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

BJ 553

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

| Operator: AMOCO PRODUCTION COMPANY | Telephone: (505) 326-9200 |
|---|--|
| Address: 200 Amoco Court, Farmington, N | |
| Facility or Well Name: JICARILLA API | 901E TRIBAL 151-2 |
| Location: Unit or Qtr/Qtr Sec A Sec 10 T2 | |
| Pit Type: Separator Other | |
| Land Type: RANGE | |
| Pit Location: Pit dimensions: length | 21', width 22', depth 5 |
| L (A 1 | other |
| Footage from reference: 150 | <u>'</u> |
| Direction from reference: 5 | 3 Degrees East North |
| | West South |
| Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater) | Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) |
| Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width) | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds) | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| 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) |
| Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) |
| | RANKING SCORE (TOTAL POINTS): |

| | BJSSB SEP. PIT |
|--|-------------------------------------|
| Date Remediation Started: | Date Completed: 5/7/98 |
| mediation Method: Excavation X | Approx. cubic yards85 |
| eck all appropriate sections) Landfarmed | Insitu Bioremediation |
| Other | |
| Remediation Location: Onsite Y Offsite | tion. Mostly BEDROCK. RISK |
| Groundwater Encountered: No Xes | Depth |
| Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Sample date | |
| Sample Results | n) Water: Benzene (ppb) |
| | Toluene (ppb) |
| Field Headspace (ppn | · · · · · · · · · · · · · · · · · · |
| | Total Xylenes (ppb) |
| Groundwater Sample: Yes No | |
| KNOWLEGE AND BELIEF | |
| DATE 5/5/98 PRINTE | ED NAME Buddy D. Shaw |
| SIGNATURE Bully S. Show AND | TITLEEnvironmental Coordinator |
| AFTER REVIEW OF THE PIT CLOSURE INFORMATION TO THE JICARILLA APACHE TRIBE PIT CLOSURE | |
| APPROVED: YES X NO (REASON) | |
| <i>"</i> | TE:5-7-98 |

| CLIENT: AMOCO BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | C.O.C. NO: |
|---|--|
| LOCATION: NAME: JIGH. TO TRIBAL ISI WELL #: Z PIT: SEP. QUAD/UNIT: A SEC: 10 TWP: 260 RNG: 50 PM: NM CNTY: RA ST: NM | PAGE No: of/ DATE STARTED: DATE FINISHED: ENVIRONMENTAL SPECIALIST: |
| EXCAVATION APPROX. 21 FT. x 22 FT. x 5 FT. DEEP. CUBIC DISPOSAL FACILITY: 00-500 REMEDIATION METHOD LAND USE: RANGE LEASE: TIC 15 FOR FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150 FT. NOTES. | MATION: DK 53w FROM WELLHEAD. |
| SOIL AND EXCAVATION DESCRIPTION: | PIT ABANDONED STEEL TANK INSTALLED FIBERGLASS TANK INSTALLED |
| TO GRATISH RED IN COLOR, SOFT (NEAR GROWND SWEERE) TO VERY BOTTOM) STRONG HE ODOR OBSERVED WHILE COLLECTIVE SAMPLES, I WABLE TO PENETRATE SIDEWALS PASS 3", PIT BOTTOM - LT. GRY IN THAT HE ODOR DETECTED WOUM SAMPLE, NO TAH ANALYSIS BULL SAMPLES BRING BEDOCK. FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DI SCALE OFT DIT DEDIMETED A.) PIT | THE TO HARDNESS COUR VERY HARD CONDUCTED ONE TO |
| OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 3' 826 2 @ 3' //06 3 @ 3' //974' 4 @ 3' 3/90 5 @ 5' /20. Z | Z'I Z'I SEDROCIZ SHALE) |
| TRAVEL NOTES: CALLOUT: 5/6/98 - MORN. ONSITE: 5/7/98 - MORN | ev . |

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizonal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Apache Tribal 151 #2

Unit A, Sec. 10, T26N, R5W

Separator Pit Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered shale bedrock at 5 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

- 1. Past production fluids were contained locally by a relatively shallow shale bedrock located 5 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below shale bedrock.
- 2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
- 3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
- 4. Well site located within the <u>non-vulnerable area</u> and is approximately 1.9 miles south of the nearest vulnerable area boundary (Cereza Canyon wash).

(Refer to <u>Vigas Canyon Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), photorevised 1982, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).</u>

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the shale bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

| Operator: AMOCO PRODUCTION | COMPANY | Telephone: (505) 326-9200 | |
|--|-----------------|--|--|
| Address: 200 Amoco Court, | | | |
| Facility or Well Name: <u>SICAPILL</u> | A APACHE TEIBL | AL 151.2 | |
| Location: Unit or Qtr/Qtr Sec_A | Sec_/D T_2 | PENR SW County RIO ARRIBA | |
| Land Type: RANGE | | | |
| Date Remediation Started: 5 7 6 Remediation Method: Landfarmed Composted | V | Date Completed: 1.22.99 Approx. cubic yards 465 | |
| oth To Groundwater: | (pts.) O | Final Closure Sampling: | |
| Distance to an Ephemeral Stream | - | Sampling Date: | |
| Distance to Nearest Lake, Playa, or Watering Pond | (pts.)0 | Sample Results: Field Headspace (ppm) | |
| Wellhead Protection Area: | (pts.) | TPH (ppm) <u>4.6</u> Method <u>8015</u> | |
| Distance To SurfaceWater: | (pts.) | Other | |
| RANKING SCORE (TOTAL POIN | TS): <u>0</u> | | |
| I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF | | | |
| DATE 1/22/99 PRINTED NAME Buddy D. Shaw SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator | | | |
| AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE. | | | |
| APPROVED: YES NO (REASON) | | | |
| SIGNED: | | | |

BLAGG ENGINEERING, INC. LOCATION NO: \$1553 CLIENT: AMOCO P.O. BOX 87, BLOOMFIELD, NM 87413 C.O.C. NO: 6557 (505) 632-1199FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION DATE STARTED: 1.19 99 LOCATION: NAME: TRIBAL 151 WELL #: 2 PITS: SEP, BLOW, BLOW2 DATE FINISHED: 1.22.99 QUAD/UNIT: A SEC: 10 TWP: 26N RNG: 5W PM: NM CNTY: PA ST: NM ENVIRONMENTAL SPECIALIST: _ QTR/FOOTAGE: NE/4 NE/4 CONTRACTOR: P+5 SOIL REMEDIATION: APPROX. CUBIC YARDAGE: 465 REMEDIATION SYSTEM: LANDTARM LIFT DEPTH (ft): 1-2 LAND USE: RANGE FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: > 100 NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: > 1000 NEAREST S NMOCD RANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 PPM DK YELLOWISH ORANGE SAND. NON COHESIVE, SLIGHTLY MOIST, FIRM NO STAINING OBSERVED OR HE OPOR DETECTED. SAMPUNG DEPTHS RANGE FROM 6" -18" TOOK A SPT. 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 LAB SAMPLES OVM RESULTS RESULTS FIELD HEADSPACE PID (ppm) ANALYSIS SAMPLE SAMPLE (8015) 1300 00 LF-1 LANDFARM / AREA SCALE

TRAVEL NOTES: CALLOUT: ______

ONSITE: 1.19.99

FT



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| | | | Det. |
|--|--|---|--|
| Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition: | Blagg / AMOCO LF - 1 E559 6557 Soil Cool Cool and Intact | Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested: | 04034-10 01-22-99 01-19-99 01-21-99 01-22-99 01-22-99 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|-----------------------|--------------------------|
| Gasoline Range (C5 - C10) | 2.4 | 0.2 |
| Diesel Range (C10 - C28) | 2.2 | 0.1 |
| Total Petroleum Hydrocarbons | 4.6 | 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:

Jicarilla Apache Tribal 151 - 2 Landfarm. 5 Pt. Composite.

Deen R. Queen

Stacy W Sendler
Review

CHAIN OF CUSTODY RECORD

| Client / Project Name | Project Location L | Project Location LANDFARY SICARILLA APACHE TRIBAL | ANALYSIS / PARAMETERS | AMETERS | |
|--|---------------------------------------|---|---------------------------|---------------------|----------|
| BLAGGI AMOCO | 151 | 151-2 | | Damarko | |
| Sampler: RPP | Client No. | -10 | o. of ainers | Homens | |
| Sample No./ Sample Sample Identification Date Time | Lab Number | Sample Matrix | | | |
| 1.19.99 | ESSA | 2016 | - 5 | STI COMPOSITE | 9 |
| | | | | | - |
| | | | | SAMPLE PRESERVE | 1233 |
| | | | | 2001 | |
| | | | | | - , |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | 1 |
| Relinquished by: (Signature) | | Date Time Re | Received by: (Signature) | /.2/.99 | o Pos |
| Relinquished by: (Signature) | · · · · · · · · · · · · · · · · · · · | 736 | Received by: (Signature) | - | |
| Relinquished by: (Signature) | | Re | Received by: (Signature) | | |
| PO COC'S 122-127-1 | | ENVIROTECH INC | CHINC. | Sample Receipt | 2 5 |
| | | 5796 U.S. Highway 64 | lighway 64 | Received Intact | |
| | | Farmington, New Mexico 87401 | V Mexico 8/401 12-0615 | Cool - Ice/Blue Ice | |