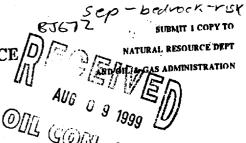
JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507

DULCE, NEW MEXICO 87528



PIT REMEDIATION AND CLOSURE REPORT

| PROPHETION COMPANY | Telephone: (505) 326-92'00 |
|---|--|
| Operator: AMOCO PRODUCTION COMPANY | |
| Address: 200 Amoco Court, Farmington, NM | # # 107 - 12E |
| Facility or Well Name: | R 40 County RID ARRIBA |
| Facility or Well Name: | K K K K K K K K K K K K K K K K K K K |
| | Low |
| Land Type: <u>RANGE</u> | , |
| Pit Location: Pit dimensions: length /5 | <u>', width/z', depth4'</u> |
| (Attach diagram) Reference: wellhead X, C | ther |
| Footage from reference: 40 Direction from reference: 62 | East North Of West South |
| Depth To Groundwater: (Vertical distance from contaminants to seasonal | Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) |
| high water elevation of groundwater) Distance to an Ephemeral Stream (Downgradient dry wash greater than | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| ten feet in width) Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| Wellhead Protection Area: (Less than 200 feet from a private | 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): |

| | BJ672 BLOW PIT |
|---|---|
| | Date Completed: |
| | Approx cubic vards ZO |
| Remediation Method: Check all appropriate | Lesin Bioremediation |
| sections) | Landfarmed Institu Biotenediation |
| | Other |
| Remediation Locations (i.e. landfarmed onsite, name and location of | : Onsite X Offsite |
| | REPORTER ROTTOM |
| General Description o | of Remedial Action: Excavation, REDROCK Bonom. |
| Groundwater Encoun | tered: No X Yes Depth |
| Final Pit: Closure Sampling: (if multiple samples, | Sample location see Attached Documents |
| attach sample results | Sample depth 4' (WEST SIDEWALL) |
| and diagram of sample locations and depths) | Sample depth $\frac{2}{\sqrt{89890}}$ Sample time $\frac{\sqrt{208}}{\sqrt{89990}}$ Sample time $\frac{\sqrt{208}}{\sqrt{208}}$ |
| | Sample date |
| | Sample Results Water: Benzene (ppb) |
| 1 | Soil: Benzene (PPIII) |
| | Total BTEX (ppm) Toluene (ppb) |
| | Field Headspace (ppm) 1.7 Ethylbenzene (ppb) |
| | TPH (ppm) 26.6 Total Xylenes (ppb) |
| Groundwater Sample | |
| I HEREBY CERTIF KNOWLEGE AND I | Y THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY BELIEF |
| | PRINTED NAME Buddy D. Shaw Environmental Coordinator |
| DATE (2) | Oly S. Show AND TITLE Environmental Coordinator |
| Grant out | F THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANC A APACHE TRIBE PIT CLOSURE ORDINANCE. |
| APPROVED: YES | |
| Marayen - | -CMa DATE: 3-31-99 |

| BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 874 (505) 632-1199 | |
|--|---|
| FIELD REPORT: CLOSURE VERIFICATION LOCATION: NAME: JICA: APACHE 102 WELL #: 12E PIT: BLOW QUAD/UNIT: O SEC: 9 TWP: 26 N RNG: 4W PM: NM CNTY: RAST: QTR/FUDTAGE: SW/4 SE/4 CONTRACTOR: PAUL | DATE STARTED: 10/19/6 DATE FINISHED: 13/21/6 ENVIRONMENTAL JE S SPECIALIST: JE S |
| EXCAVATION APPROX. 15 FT. x 12 FT. x 4 FT. DEEP. C DISPOSAL FACILITY: ONSITE REMEDIATION MI LAND USE: RANGE LEASE: FED. LSE. 102 | FORMATION: OK T. N62°W FROM WELLHI |
| DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST STORES OF NMOCD THE CLOSURE STORES OF PARTIES OF SOLE AND EXCAVATION DESCRIPTION: YELLOW Orange SAMON CLAY, NON COMMON C | CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED FIBERGLASS TANK INSTAL |
| BEDROCK CLOSED FIELD 418.1 CALCULATI SCALE SCALE FIELD 418.1 CALCULATI TIME SAMPLE I.D. LAB No: WEIGHT (g) ml. FR | EON DILUTION READING CALC. F |
| O FT PIT PERIMETER OVM RESULTS | PIT PROFILE |
| SAMPLE FIELD HEADSPACE PID (ppm) | SANDSTONE |
| LAB SAMPLES SAMPLE ANALYSIS TIME 10 10 11 1208 | |



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition: | Blagg / AMOCO Separator W @ 8' E091 6361 Soil Cool Cool and Intact | Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested: | 04034-10 10-22-98 10-21-98 10-22-98 10-22-98 10-22-98 8015 TPH |
|--|--|---|--|
|--|--|---|--|

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 17.2 | 0.2 |
| Diesel Range (C10 - C28) | 9.4 | 0.1 |
| Total Petroleum Hydrocarbons | 26.6 | 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:

Jica. Apa. 102 - 12E.

Analyst

Stacy W Sendler

8767

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 | - |
| coo reac Court, Farmington, N | IM 87401 | - |
| JICARIZED APA | HE # 102 - 12E | - |
| Location: Unit or Qtr/Qtr Sec_0 Sec_9 TZ | 6N R 4W County RIO ARRIBA | |
| Pit Type: Separator X Dehydrator Other | | |
| Land Type: Radee | | |
| Land Type: | | |
| Pit Location: Pit dimensions: length_ | 15', width_ 18', depth_ 9' | |
| (Attach diagram) Reference: wellhead X, | other | |
| Footage from reference: \ | | |
| Direction from reference: | Degrees East North West South | |
| | West South | |
| Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of | Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) | |
| groundwater) 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) | . • <u>. • •</u> |
| | RANKING SCORE (TOTAL POINTS): | |

| | | BJ6 | 12 SEP. PIT |
|--|--|--|---|
| Date Remediation Sta Pemediation Method: Check all appropriate sections) | rted: Excavation Landfarmed | Date Completed: Approx. cubic yar | 10/22/98 ds 50 |
| Remediation Location (i.e. landfarmed onsite, name and location of offsite facility) General Description | | | |
| Groundwater Encoun | tered: No Ye | es Depth | |
| Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) | Total BTEX (pp Field Headspace (pp TPH (pp | Sample ti m) 1.450 Water: m) 15.380 m) 258 315 m) 3.0 | Benzene (ppb) Toluene (ppb) Ethylbenzene (ppb) Total Xylenes (ppb) |
| 11 | Yes No | | OMPLETE TO THE BEST OF MY |
| DATE SIGNATURE SUSTAINTER REVIEW OF TO THE JICARILL. | PRINT PAL ANI THE PIT CLOSURE INFORM A APACHE TRIBE PIT CLOSU | TED NAME Buddy D. D TITLE Environme MATION, PIT CLOSURE IS JRE ORDINANCE. | Shaw ental Coordinator S APPROVED IN ACCORDANC |
| APPROVED: YES | X NO (REASON) _ | TATE: 3-31-99 | |

| P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | C.O.C. NO: 6361 |
|--|---|
| FIELD REPORT: CLOSOTTE VEITH TOTTE VEICE PIT: SEP LOCATION: NAME: JICA. APACHE 10Z WELL #: 12E PIT: SEP QUAD/UNIT: O SEC: 9 TWP: 26N RNG: 4W PM: MM CNTY: RAST: NM OLD (EDDIAGE: SW/4 SE/4 CONTRACTOR: PAUL) | DATE STARTED: 10-18-19 DATE FINISHED: 10-21-55 ENVIRONMENTAL 203 |
| EXCAVATION APPROX. 15 FT. x 18 FT. x 9 FT. DEEP. CUBIC DISPOSAL FACILITY: ON SITE REMEDIATION METHOD LAND USE: RAPE LEASE: FEB 45 102 FOR FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 147 FT. 1 DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE NMOCD RANKING SCORE: O NMOCD TPH CLOSURE STD: 5332 PPM | MATION: |
| BEDROCK RISK ASSESSED FIELD 418.1 CALCULATIONS SCALE SCALE SOLUTION SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON D | ILUTION READING CALC. ppm |
| O FT PIT PERIMETER OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 9 | PROFILE |
| TRAVEL NOTES: CALLOUT: LAB SAMPLES SAMPLE ANALYSIS TIME 10 ROTH PROSED ONSITE: ONSITE: | 3 F W 20 012 II |

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizonal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Apache 102 #12E
Unit O, Sec. 9, T26N, R4W
Separator Pit
Basin Dakota
Non Vulnerable
> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 9 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 sandstone bedrock located 9
 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at
 a much greater depth below sandstone 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 0.86 miles north of the nearest vulnerable area boundary (Tapacito Creek).

(Refer to <u>Lapis Point Quadrangle</u>, New Mexico - Rio Arriba County, 7.5 Minute Series (<u>Topographic</u>), 1963, (vulnerable area boundary developed by Mr. William C. Olson, <u>Hydrog ologist</u>, <u>Environm ntal Bur au</u>, N w M xico Oil Cons rvation Division).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the sandstone 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.



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition: | Blagg / AMOCO Blow W @ 4' E092 6361 Soil Cool Cool and Intact | Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested: | 04034-10 10-22-98 10-21-98 10-22-98 10-22-98 10-22-98 8015 TPH |
|--|---|---|--|
| Parameter | | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
| Gasoline Range (C5 - C10) | | ND | 0.2 |
| Diesel Range (C10 - C28) | | 3.0 | 0.1 |

ND - Parameter not detected at the stated detection limit.

Total Petroleum Hydrocarbons

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

3.0

SW-846, USEPA, December 1996.

Comments:

Jica. Apa. 102 - 12E.

Analyst . Oglessen

Stacy W sendler

0.2



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | | | Det. |
|---|--|---|--|
| Client: Sample ID: Laboratory Number: Chain of Custody: Sample Matrix: Preservative: Condition: | Blagg / Amoco Separator W @ 8' E091 6361 Soil Cool Cool & Intact | Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted: Analysis Requested: | 04034-10 10-22-98 10-21-98 10-22-98 10-22-98 10-22-98 BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--|---|----------------------------------|
| Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene | 1,450 5,000 780 5,900 2,250 | 8.8 8.4 7.6 10.8 5.2 |
| Total BTEX | 15,380 | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|--|------------------|
| | Tuittus vataluana | 98 % |
| | Trifluorotoluene Bromofluorobenzene | 98 % |

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Jica. Apa. 102 - 12E.

Analyst

Stacy W Sendler

CHAIN OF CUSTODY RECORD

| 02 03+10 102 102 | 7 | Received Intact | | ay 64 ico 87401 | 5796 U.S. Highway 64 hington, New Mexico 8: (505) 623-0615 | 5796 U.S. Highway 64 Farmington, New Mexico 87401 | | | | | |
|--|---------|-----------------|------------------|--------------------|--|---|------------|----------------|----------------|-----------------|----------------|
| AGG/AMOCC ANALYSIS / PARAMETERS AGG/AMOCC Client No. Client No | . < | | | | | | | (| | | 1 |
| Troject location AGG/AMMOCC Five Location ANALYSIS / PARAMETERS AGG/AMMOCC Client No. O 4 0 3 4 - 1 D Sample Sample Sample Lab Number Sample Lab Number Matrix BLOW IV. 1208 E-091 Soll LAN Number Matrix Matr | Receipt | Sample F | | 50 | 1 1 1 1 1 | | 1363 | 31.0 | | | 0 |
| Project Name AAGG AMADGO ANALYSIS / PARAMETERS ANALYSIS / PARAMETERS Remarks C. J. | | | | by: (Signature) | Received | | | | ature) | shed by: (Signa | Relinqui |
| Project Name Acts/Awaco Tic A. APA (02 - 12 E Analysis / PARAMETERS Analysis / PARAMETE | | | | by: (Signature) | Received | | | | ature) | shed by: (Signa | Remodu |
| Project Location AGG/AMOCO Tic A. APA (02 - 12E) Analysis / PARAMETERS ACG/AMOCO Tic A. APA (02 - 12E) Client No. Clien | | 9) | aluen | by: (Signature) | 7 | 77 | | | ature) | shed by: (Signa | Relinqui |
| Project Location Acts Amoco Tic A. APA, IOZ - IZE Client No. Containers To Co | | | | | | | | | | | |
| Project Name ANALYSIS / PARAMETERS ACS / AMOCO TICA. APA. (02 - 12E Client No. CLIENT No. CLIENT No. CHOST-10 CHOST-10 Client No. CLIENT NO. | | | | | | | | | | | |
| Project Name Tica. APA 102 - 12E ACC AMOCO Tica. APA 102 - 12E Client No. Contact Con | | | | | | | | | | | |
| Project Location ANALYSIS / PARAMETERS | | | | | | | | | | | |
| ANALYSIS / PARAMETERS ACC ALMOCO Client No. Client | | | | | | | | | | | |
| ACCY ALMOCO TIXA. APA 102-12E Client No. Client No. Sample Sample Lab Number EPAAATUK BLOW 1 1208 EO92 11 ANALYSIS / PARAMETERS | | | | | | | | | | | |
| AGG/ALMOCO TEA. APA 102-12E Client No. Client No. Sample Sample Lab Number EPALATIC BLOW 1 1208 EPOST SOIL ANALYSIS / PARAMETERS To ner Soil EPALATIC ANALYSIS / PARAMETERS ANALYSIS / PARAMETERS | | | | | | | | | | | |
| AGG/ALMOCO Tic A. APA 102-12E Client No. CLIENT No. Client No. Sample Sample Lab Number Sample Lab Number Matrix EPARATUR O 21/48 1225 E091 Soil NALYSIS / PARAMETERS | | | | × | | 1. | E092 | | ` ` ` ` | Scow | 3 |
| AGG/ALMOCO TICA. APA IOZ - IZE Client No. Client No. Client No. Sample No./ Sample Sample Lab Number Lab Number Matrix Matrix MALYSIS / PARAMETERS ANALYSIS / PARAMETERS | | | | × | | 201 | F091 | | 10/21/48 | PARATIR | 2 S |
| ACC-1846 Client No. Client No. CHOST-10 O to ST-10 O to ST-10 O to ST-10 | | | | 7P3 | l . | Sample Matrix | Lab Number | Sample Time | Sample Date | mple No./ | Sa |
| Project Location $ \mathcal{L}_{\text{ICA}} \mathcal{A} \mathcal{A} \mathcal{A} = 102 - 12E $ ANALYSIS / PARAMETERS | mans | H | | H 215 | | 24-10 | | | R | C-184 | Jampler: |
| | | | ANALYSIS / PARAN | | ה | 102- | ۲ <u>و</u> | | CO | oject Name | X Yillent / PI |

0-410

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 C | Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200 | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| Address: 200 Amoco Court, Farmington, NM 87401 | | | | | | | | | | | |
| Facility or Well Name: JICARILLA APACHE 102-12E | | | | | | | | | | | |
| Location: Unit or Qtr/Qtr Sec O Sec 9 T26N R4W County R10 ARRICA | | | | | | | | | | | |
| Land Type: | | | | | | | | | | | |
| Date Remediation Started: 10.21.98 Date Completed: 5/17/99 | | | | | | | | | | | |
| Remediation Method: Landfarmed Approx. cubic yards 250 | | | | | | | | | | | |
| Composted | | | | | | | | | | | |
| Other | Other | | | | | | | | | | |
| epth To Groundwater: (pts.) _o Final Closure Sampling: | | | | | | | | | | | |
| Distance to an Ephemeral Stream (pts.) O Sampling Date: 5.13.99 Time: 1330 | | | | | | | | | | | |
| Distance to Nearest Lake, Playa, | (mta) 0 | Sample Results: | | | | | | | | | |
| or Watering Pond | (pts.) | Field Headspace (ppm) 12.2 | | | | | | | | | |
| Wellhead Protection Area: Distance To SurfaceWater: | (pts.) | TPH (ppm) 271 Method (BOIS) | | | | | | | | | |
| | - | Other | | | | | | | | | |
| RANKING SCORE (TOTAL POIN | (TS): | THE REST OF MY | | | | | | | | | |
| I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF | RMATION ABOVI | E IS TRUE AND COMPLETE TO THE BEST OF MY | | | | | | | | | |
| DATE SIN 99 PRINTED NAME Buddy D. Shaw | | | | | | | | | | | |
| SIGNATURE Bully S. Show 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 X NO | (REASON) | | | | | | | | | | |
| SIGNED: La CMa | DATE | E: 6-18-99 | | | | | | | | | |

| CLIENT: AMOCO | BLA P.O. BO | AGG E | NGIN | EEF | RING, | INC | 413 | OCATION | | _ |
|---|----------------|---------------|-----------------|----------------|---------------|-----------------------------|-------------------|--------------------------|-----------------|------------|
| | P.O. B | JX 87, (5) | BL00 65) 65 | мг гг 32— 1 | 199 | | | C.0.C | ND: 2 | 10929 |
| FIELD REPORT | : LAND | FARM/ | СОМР | OST | PILE | CLOS | SURE | VERIF | ICAT | ION |
| + DCATION: NAME: TICAPIU | LA APACHE 10 | 2 WELL | #: 12E | F | PITS: SEI | ?, Bw | D | ATE STARTE ATE FINISH | D: <u>5 · 1</u> | 3.99 |
| QUAD/UNIT: O SEC: | 9 TWP: 24 | RNG: | 4W F | M NM | CNTY: | RA ST | :NM - | NVIRONMEN PECIALIST: | | |
| STR/FOOTAGE: SW/4 | 5E/4 | CONTRA | ACTOR: 1 | 7+5 | | | | PECIALIST. | | |
| SOIL REMEDIATION: | | | | | מחת ג | AV CII | BIC YA |) RDAGE: | 250 | > |
| REMEDIATION SY | _ | | | | | | | | | |
| LAND USE: | X.A | WGE | | | LIFT | DEPTH | (ft): | | | |
| FIELD NOTES & REM | ARKS: | | | 7100 | , • | NEAREST | SURFACE | WATER: > | 1000 | • |
| DEPTH TO GROUNDWATER: 2 | 100' NEAR | EST WATER | SOURCE: | C000 | | NEMKEST | 301(11)02 | | | |
| NMSII RANKING SCORE: DK.YELLOWISH BROK | NMBC | D TPH CLOS | URE SIDE | urus p | - | RM. | | | | |
| DK. YELLOWISH BROW NO APPARENT STAIN! | WG, NO HE C | DOR DET | FCTED | SAMP | LING DE | PTHS E FUR | | | | |
| EANGE FROM U"-12 | ?" COLLECT | ED A SP | T BOMP. | 05/TC | 3 24 14 14 2 | | | 180 < | .7. DI | -D-KED |
| 1 40 0.1011/5/5 | | | | | | | A タヤレヘン | 100 | | 21030- |
| LAB ANALYSIS. | CLUSED |) | | | | 7 | appkox. From J | 1ca. AP. | 102- | 25 |
| | CLUSED |) Fī | FID 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| | SAMPLE I.D. | FI LAB No: | ELD 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| | | FI LAB No: | ELD 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| | | FI LAB No: | ELD 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| | | FI LAB No: | ELD 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| SAMP. TIME | SAMPLE I.D. | LAB No: | ELD 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| | SAMPLE I.D. | LAB No: | ELD 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| SAMP. TIME | SAMPLE I.D. | LAB No: | ELD 418. | 1 CALC | :ULATION | ; : :S | from J | ICA. AP. | 102- | 25 |
| SKETCH/SAM | SAMPLE I.D. | LAB No: | ELD 418. | 1 CALC | :ULATION | S | READING | ICA. AP. | 10Z- | 75 |
| SKETCH/SAM | SAMPLE I.D. | LAB No: | ELD 418. WEIGHT | OV: | ULATION FREON | S | READING | CALC. P | 10Z- | ES RESULTS |
| SKETCH/SAM | SAMPLE I.D. | LAB No: | ELD 418. WEIGHT | OV: | M RES | SULTS | READING | CALC. P | noz- | ES. |
| SKETCH/SAM | SAMPLE I.D. | LAB No: | WEIGHT | OV. | M RES | SULTS D HEADSPACE PID (opm) | READING | CALC. P | PPM AMPL | ES RESULTS |
| SKETCH/SAM | SAMPLE I.D. | LAB No: | WEIGHT | OV. | M RES | SULTS D HEADSPACE PID (opm) | READING | CALC. P | PPM AMPL | ES RESULTS |
| SKETCH/SAM | SAMPLE I.D. | LAB No: | WEIGHT | OV. | M RES | SULTS D HEADSPACE PID (opm) | READING | CALC. P | PPM AMPL | ES RESULTS |
| SKETCH/SAM | SAMPLE 1.D. | LAB No: | WEIGHT | OV. | M RES | SULTS D HEADSPACE PID (opm) | READING | CALC. P | PPM AMPL | ES RESULTS |
| SKETCH/SAM | SAMPLE I.D. | LAB No: | WEIGHT | OV. | M RES | SULTS D HEADSPACE PID (opm) | READING | CALC. P | PPM AMPL | ES RESULTS |

TRAVEL NOTES:

NA

CALLOUT:

FT

ONSITE:

5.13.99



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition: | Blagg / AMOCO LF - 1 F252 6929 Soil Cool Cool and Intact | Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested: | 403410 05-17-99 05-13-99 05-14-99 05-17-99 8015 TPH |
|--|--|---|--|
|--|--|---|--|

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 59.0 | 0.2 |
| Diesel Range (C10 - C28) | 212 | 0.1 |
| Total Petroleum Hydrocarbons | 271 | 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 102 - 12E Landfarm. 5 Pt. Composite.

Ween K. Offeren

2 Conjew

CHAIN OF CUSTODY RECORD

| | | | | Relinquished by: (Signature) | Relinquished by: (Signature) | Relinquished by: (Signature) | | | | | | | 12-1 | Sample No./ Sar | PEF | Sampler: | Client / Project Name <i>関 Abb/AMoco</i> | |
|---|----------------------|-----|----------------|------------------------------|------------------------------|------------------------------|---|---|--|--|------|-----------------|----------------|-----------------------|------------------|------------|---|--|
| | | | | | | | _ | | | | | | 5.1399 1330 | Sample Sar Date Ti | | | • | |
| | | | | | | | | | | | | | B | Sample Time | | | 1 | |
| | | | | | | | | | | | | | Tasa | Lab Number | 403410 | Client No. | Project Location LANDFARM SILABILLA APACHE 102-12E | |
| Farmington, New Mexico 6740 (505) 632-0615 | 5796 \ | | FOVIDOTECH IO | | | Date Time 5:14.49 7:25 | | | | | | | 205 | Sample Matrix | 011 | | THACHE 102 | |
| (505) 632-0615 | U.S. Hi | | ゴド | Rec | Rec | ļ | | | | | | | | | | | ë-12E | |
| 2-0615 | 5796 U.S. Highway 64 | 2 | 2 | eived by | eived by | eved by | | - | | | | | - | | o. of tainers | | .`1 | |
| 0 0/401 | 64 | | | Received by: (Signature) | Received by: (Signature) | Received by: (Signature) | | | | | | | 7 | TP1 (80 | | | | |
| | | | | | • | C | | | | | | | | | | | AN | |
| | | | | | | Jeca | | | | | | | | | | | ANALYSIS / PARAMETERS | |
| 1 | -1 | 1 | | | | F | | | | | | | | | | | / PARAM | |
| Cool - Ice/Blue Ice | Received Intact | | Sample | | | 5 | | | | | Co | SAMPLE PRESENTE | SPT. COMPOSITE | | | | ETERS | |
| 6 | 7 | ~ | Sample Receipt | | | Siff.99 | | | | | Cool | af ? | OMPOS | | | Remarks | | |
| | \ | z | | | | 725 (| 1 | | | | | 338 | शास्त्र | | | | | |
| | | N/A | | | | ه ای | | | | | | 1/6 | | | | | | |