

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

CA363

SUBMIT 1 COPY TO

Denny S. Faust
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION
DEPUTY OIL & GAS INSPECTOR

AUG 23 1996

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: CONOCO, INC. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: APACHE #1
Location: Unit or Qtr/Qtr Sec D Sec 18 T26N R3W County RIO ARriba
Pit Type: Separator Dehydrator Other BLOW
Land Type: RANGE

Pit Location: Pit dimensions: length 23', width 26', depth 15'
(Attach diagram)
Reference: wellhead X, other
Footage from reference: 35'
Direction from reference: 25 Degrees X East of North X
West South

Depth To Groundwater: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 points) 10
high water elevation of
groundwater)

Distance to an Ephemeral Stream Less than 100 feet (10 points)
(Downgradient dry wash greater than Greater than 100 feet (0 points) 0
ten feet in width)

Distance to Nearest Lake, Playa, or Watering Pond Less than 100 feet (10 points)
(Downgradient lakes, playas and Greater than 100 feet (0 points) 0
livestock or wildlife watering ponds)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 20
domestic water source, or: less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 100 feet (20 points)
(Horizontal distance to perennial 100 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 30

CA363

Date Remediation Started: _____ Date Completed: 5/2/96

Remediation Method: Excavation ☒ Approx. cubic yards 300
Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite ☒ JICARILLA L.L.P. - LANDFARM #2
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation + Haul

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents

Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 15'

Sample date 5/2/96 Sample time 0910

Sample Results

| | | | | | |
|-----------------|-------|------------|----------------|-------|-------|
| Soil: Benzene | (ppm) | _____ | Water: Benzene | (ppb) | _____ |
| Total BTEX | (ppm) | _____ | Toluene | (ppb) | _____ |
| Field Headspace | (ppm) | <u>4.0</u> | Ethylbenzene | (ppb) | _____ |
| TPH | (ppm) | <u>48</u> | Total Xylenes | (ppb) | _____ |

Groundwater 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 5/2/96 PRINTED NAME Jeffrey C. Blagg, P.E. #11607

SIGNATURE Jeffrey C. Blagg AND TITLE President

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ☒ NO _____ (REASON) _____

SIGNED: Karl C. Mammill DATE: 5-6-96

| | | |
|-----------------------|--|---|
| CLIENT: <u>CONOCO</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>CA363</u> C.D.C. NO: _____ |
|-----------------------|--|---|

| | | |
|---|--|--|
| FIELD REPORT: CLOSURE VERIFICATION | | PAGE No: <u>1</u> of <u>1</u> |
| LOCATION: NAME: <u>APACHE</u> WELL #: <u>1</u> PIT: <u>BLOW</u> QUAD/UNIT: <u>D</u> SEC: <u>18</u> TWP: <u>26N</u> RNG: <u>3W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1190' FNL/1190' FWL</u> CONTRACTOR: <u>P+S/ACME</u> | | DATE STARTED: <u>5/2/96</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u> |

| | |
|--|--|
| EXCAVATION APPROX. <u>23</u> FT. x <u>26</u> FT. x <u>15</u> FT. DEEP. | CUBIC YARDAGE: <u>300</u> |
| DISPOSAL FACILITY: <u>JILLARILLA L.L.P. LANDFARM #2</u> | REMEDIAL METHOD: <u>LANDFARMED</u> |
| LAND USE: <u>RANGE</u> | LEASE: <u>CONTRACT # 98</u> FORMATION: _____ |

| | |
|--|--|
| FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>35</u> FT. <u>NZSE</u> FROM WELLHEAD. | |
| DEPTH TO GROUNDWATER: <u><100'</u> | NEAREST WATER SOURCE: <u><1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> |
| NMOCB RANKING SCORE: <u>30</u> | NMOCB TPH CLOSURE STD: <u>100</u> PPM |
| CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED | |

SOIL AND EXCAVATION DESCRIPTION:

DK. YELL. BROWN SILTY SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, SLIGHT HC ODOR IN NORTH SIDEWALL DUM SAMPLE ONLY.

DRY WASH EAST OF PIT APPROX. 280'
 WINDMILL NGOW, 275' FROM PIT CENTER.

CLOSED

SCALE



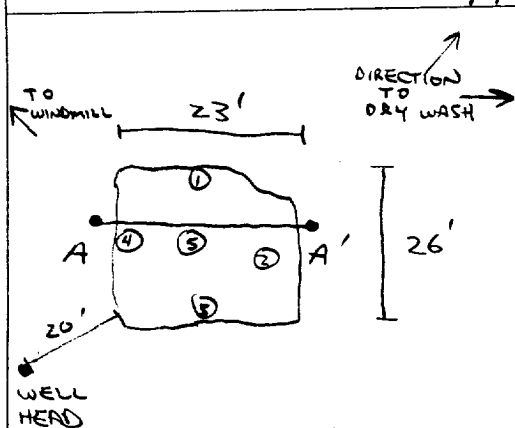
FIELD 418.1 CALCULATIONS

| TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------|-------------|----------|------------|-----------|----------|---------|-----------|
| 0905 | 1 @ 10' | TPH-1718 | 5 | 20 | 1:1 | 10 | 40 |
| 0910 | 3 @ 15' | TPH-1719 | 5 | 20 | 1:1 | 12 | 48 |

PIT PERIMETER N

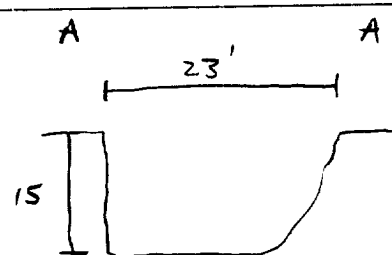
OVM RESULTS

PIT PROFILE



| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| 1 @ 10' | 53.3 |
| 2 @ 9' | 0.0 |
| 3 @ 9' | 0.0 |
| 4 @ 10' | 0.0 |
| 5 @ 15' | 4.0 |

| LAB SAMPLES | | |
|-------------|----------|------|
| SAMPLE ID | ANALYSIS | TIME |
| | | |
| | | |
| | | |
| | | |
| | | |



TRAVEL NOTES: CALLOUT: 5/1/96 AFTER. ONSITE: 5/2/96 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: CONOCO
Sample ID: 1 @ 10'
Project Location: Apache # 1
Laboratory Number: TPH-1718

Project #:
Date Analyzed: 05-02-96
Date Reported: 05-02-96
Sample Matrix: Soil

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|---|---------------|---------------------------|
| Total Recoverable Petroleum Hydrocarbons | 40 | 20 |


ND = Not Detectable at stated detection limits.

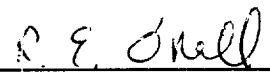
| QA/QC: | QA/QC Sample TPH mg/kg | Duplicate TPH mg/kg | % *Diff. |
|--------|---------------------------|------------------------|-------------|
| | 4640 | 4500 | 3.06 |

*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: Blow Pit - CA363


Analyst


Review

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: CONOCO
Sample ID: 5 @ 15'
Project Location: Apache # 1
Laboratory Number: TPH-1719

Project #:
Date Analyzed: 05-02-96
Date Reported: 05-02-96
Sample Matrix: Soil

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|---|---------------|---------------------------|
| ----- | ----- | ----- |
| Total Recoverable Petroleum Hydrocarbons | 48 | 20 |


ND = Not Detectable at stated detection limits.

| QA/QC: | QA/QC Sample TPH mg/kg | Duplicate TPH mg/kg | % *Diff. |
|--------|---------------------------|------------------------|-------------|
| | ----- | ----- | ----- |
| | 4640 | 4500 | 3.06 |


*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: Blow Pit - CA363



Analyst



Review