

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

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

| | |
|--|--------------------------------------|
| LOCATION: NAME <u>NE HAYNES</u> WELL # <u>7E</u> PIT: <u>DEHY</u> | DATE STARTED: <u>10/18/93</u> |
| QUAD/UNIT <u>J</u> SEC <u>10</u> TWP <u>24N</u> RNG <u>5W</u> PM <u>NM</u> CNTY <u>RA</u> ST <u>NM</u> | DATE FINISHED: <u>10/20/93</u> |
| STP/FOOTAGE _____ CONTRACTOR: <u>JVJ</u> | ENVIRONMENTAL SPECIALIST: <u>JCB</u> |

EXCAVATION APPROX. 15 FT. x 18 FT. x 13 FT. DEEP. CUBIC YARDAGE: 100
 DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: STACKPILE
 LAND USE: RANGE LEASE: INDIAN CONTRACT 36 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 132 FT S16°E FROM WELLHEAD.
 DEPTH TO GROUND WATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >100'

NM600 BANKING SCOPE 10 NM600 TPH CLOSURE STD: 1,000 PPM
 SOIL AND EXCAVATION DESCRIPTION:

*Grayish to dark yellow orange sand -
 Dry to clayey moist, fine non-cohesive
 No odor or taste in excavated soil.
 No odor in soil samples.*

CHECK ONE
 PIT ABANDONED
 STEEL TANK INSTALLED
 FIBERGLASS TANK INSTALLED

CLOSED



FIELD 4181 CALCULATIONS

| TIME | SAMPLE ID | LAB No: | WEIGHT (g) | mL. FREQ | DILUTION | READING | CALC. ppm |
|------|-----------|----------|------------|----------|----------|---------|-----------|
| | 5 CR 13' | TPH-2059 | 5 | 20 | 1:1 | 5 | ND |
| | | | | | | | |

OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE PIG ID# |
|-----------|-------------------------|
| 10' 10' | ND |
| 2' 0' J' | 0.5 |
| 3' 0' J' | ND |
| 4' 10' J' | 0.5 |
| 5' 2' J' | 0.5 |

PIT PERIMETER

PIT PROFILE

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

TRAVEL NOTES: _____ CALLED: _____ ONSITE: _____

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 Project #:
Sample ID: 5CB @ 13' Date Analyzed: 10-20-98
Project Location: Northeast Haynes # 7E Date Reported: 10-20-98
Laboratory Number: TPH-2059 Sample Matrix: Soil

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

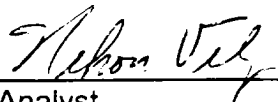
ND = Not Detectable at stated detection limits.


| QA/QC: | QA/QC Sample TPH mg/kg | Duplicate TPH mg/kg | % *Diff. |
|--------|------------------------|---------------------|----------|
| | 236 | 220 | 7.02 |

*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: Dehydrator Pit - CA668


Analyst


Review

BLAGG ENGINEERING, INC.

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

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

Field TPH-Worksheet

Max Characters:

| | | | |
|--------------------|-----------------------|----------------|----------|
| Client: | Conoco | Project #: | |
| Sample ID: | 5CB @ 13' | Date Analyzed: | 10-20-98 |
| Project Location: | Northeast Haynes # 7E | Date Reported: | 10-20-98 |
| Laboratory Number: | TPH-2059 | Sample Matrix: | Soil |

| | | |
|------------------|-------|------------|
| Sample Weight: | 5.00 | grams |
| Volume Freon: | 20.00 | mL |
| Dilution Factor: | 1 | (unitless) |
| TPH Reading: | 5 | mg/kg |

| | | |
|---------------------------|------|-------|
| TPH Result: | 20.0 | mg/kg |
| Reported TPH Result: | 20 | mg/kg |
| Actual Detection Limit: | 20.0 | mg/kg |
| Reported Detection Limit: | 20 | mg/kg |

| | | | |
|--------|-----------------------|------------------------|------------|
| QA/QC: | Original TPH mg/kg | Duplicate TPH mg/kg | % Diff. |
| | ----- | ----- | --- |
| | 236 | 220 | 7.02 |

Comments: *****Max Characters*****

Comments: Dehydrator Pit - CA668

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: Conoco, Inc. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name: NORTHEAST HAYNES #7E
Location: Unit or Qtr/Qtr Sec J Sec 10 T 24 R 5W County R10 ARRIBA
Land Type: RANGE

Date Remediation Started: 10/19/98 Date Completed: 10/20/98
Remediation Method: Landfarmed Approx. cubic yards 100
Composted
Other STOCKPILE

| | |
|---|---|
| Depth To Groundwater: (pts.) <u>10</u> | Final Closure Sampling: Sampling Date: <u>10/20/98</u> Time: <u>1015</u> Sample Results: Field Headspace (ppm) <u>0.0</u> <small>TPH # 2060</small> TPH (ppm) <u>24</u> Method <u>418.1</u> Other <u> </u> |
| Distance to an Ephemeral Stream (pts.) <u>0</u> | |
| Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u> | |
| Wellhead Protection Area: (pts.) <u>0</u> | |
| Distance To Surface Water: (pts.) <u>0</u> | |
| RANKING SCORE (TOTAL POINTS): <u>10</u> | |

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 10/20/98 PRINTED NAME Jeffrey C. Blagg, P.E. #11607
SIGNATURE Jeffrey C. Blagg AND TITLE President

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) use as Backfill

SIGNED: Ker C. Mann DATE: 12-28-98

BLAGG ENGINEERING, INC.

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

| | | | |
|--------------------|-----------------------|----------------|----------|
| Client: | Conoco | Project #: | |
| Sample ID: | SP - 1 | Date Analyzed: | 10-20-98 |
| Project Location: | Northeast Haynes # 7E | Date Reported: | 10-20-98 |
| Laboratory Number: | TPH-2060 | Sample Matrix: | Soil |

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|--|---------------|------------------------|
| Total Recoverable Petroleum Hydrocarbons | 24 | 20 |

ND = Not Detectable at stated detection limits.


| QA/QC: | QA/QC Sample TPH mg/kg | Duplicate TPH mg/kg | % *Diff |
|--------|------------------------|---------------------|---------|
| | 236 | 220 | 7.02 |

*Administrative Acceptance limits set at 30%.

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

Comments: Stockpile derived from dehydrator pit - CA668
5 pt. composite sample


Analyst


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Max Characters:

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| Client: | Conoco | Project #: | |
| Sample ID: | SP - 1 | Date Analyzed: | 10-20-98 |
| Project Location: | Northeast Haynes # 7E | Date Reported: | 10-20-98 |
| Laboratory Number: | TPH-2060 | Sample Matrix: | Soil |

| | | |
|------------------|-------|------------|
| Sample Weight: | 5.00 | grams |
| Volume Freon: | 20.00 | mL |
| Dilution Factor: | 1 | (unitless) |
| TPH Reading: | 6 | mg/kg |

| | | |
|---------------------------|------|-------|
| TPH Result: | 24.0 | mg/kg |
| Reported TPH Result: | 24 | mg/kg |
| Actual Detection Limit: | 20.0 | mg/kg |
| Reported Detection Limit: | 20 | mg/kg |

| | | | |
|--------|-----------------------|------------------------|------------|
| QA/QC: | Original TPH mg/kg | Duplicate TPH mg/kg | % Diff. |
| | ----- | ----- | --- |
| | 236 | 220 | 7.02 |

Comments: *****Max Characters*****

Comments: Stockpile derived from dehydrator pit - CA668
5 pt. composite sample