

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

Denied-LT
State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

1310W-110N-10E
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

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OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: MARTINEZ GC B #1
Well Name
Location: Unit or Qtr/Qtr Sec L Sec 24 T 29N R 10W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM , State , Fee X, Other

Pit Location: Pit dimensions: length 15', width 25', depth 16'
Attach diagram) Reference: wellhead X, other
Footage from reference: 36'
Direction from reference: 40 Degrees X East North
of
 West South X

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 10

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) 20

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 10

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: _____ Date Completed: 7/13/93

Remediation Method: Excavation ☒ Approx. cubic yards 95 200 300
 (Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
 Other _____

Remediation Location: Onsite ☒ Offsite _____
 (ie. landfarmed onsite, name and location of offsite facility) _____

General Description Of Remedial Action: _____

Excavation . VERTICAL EXTENT ESTABLISHED . LATERAL EXTENT -
RISK ASSESSED .

Ground Water 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 16' (PIT BOTTOM)Sample date 7/8/93 Sample time 1035

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 51.1TPH 12.3 ppm

Ground Water 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 7/13/93SIGNATURE B. ShawPRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

C49/4

5796 US HWY 64, FARMINGTON, NM 87401
(505) 632-0615

JOB No 92140
PAGE No 1 of 1

LOCATION: LEASE: MARTINEZ GAS COM "B" WELL No. 1 QD: NW/4 SW/4 (2)
SEC: 24 TWP: 29N RNG: 10W BM: NMPM CNTY: SJ ST: NM PIT: (BLOW)
CONTRACTOR: PAUL VELASQUEZ
EQUIPMENT USED: TRACK-HOG

DATE STARTED 7-8-93
DATE FINISHED 7-9-93

ENVIRONMENTAL
SPECIALIST:

SOIL REMEDIATION: QUANTITY: 15'X25'X15' deep (7-8-93) / 15'X40'X15' deep (7-9-93)
DISPOSAL FACILITY: ON-SITE LANDFILL

LAND USE: PRIVATE LEASE - RANGELAND

SURFACE CONDITIONS: EXCAVATED UPON ARRIVAL - NO VISIBLE CONTAMINATION

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 12 YARDS S40°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 50'-100'
NEAREST WATER SOURCE: 500'
NEAREST SURFACE WATER: 500'

RECOMMEND ADDITIONAL EXCAVATION at 4, then RE-Verification.

Prior to closure (Pending Laboratory Results)

Residence Located Approx 400' Southeast of P.I.

Lab Sample S@16 bgs for 418.1 Analysis.

~~40 lbs~~ → Canceled

Recommend closure/backfill pending Lab analysis of 5 @ 16' b/s 7-9-93

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREQN	DILUTION	READING	CALC. ppm

SCALE

11/11/2019

0 5 10 FEET

PIT PERIMETER

SURFACE FLOW
and SUSP GW grad.

١٠

BLOW
LINE.
RAMP

OVM RESULTS

[illegible]

PIT PROFILE

Uniform Soil
moderate Yellowish Brown
Very fine ML (SILT)
Loose, moist, non-cohes.
no visible contamination.

TRAVEL NOTES CALLOUT: _____ ONSITE: _____

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Martinez GC B #1

Unit L, Sec. 24, T29N, R10W

Blow Pit

Aztec Pictured Cliffs

Vulnerable

< 1000 ft.

> 50 ft.

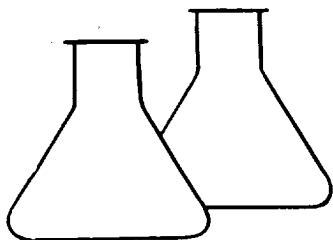
RISK ASSESSMENT (vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent for abandoned pit at 16 ft. below grade.

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

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of nearby sandstone outcrop).
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. Vertical extent at the pit area was cleaned up to below the NMOCD standards (disclosed within their surface impoundment guidelines).

Based upon the information given, we conclude that the subsurface lateral contamination is limited and impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

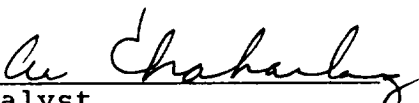
Client:	Amoco	Project #:	92140
Sample ID:	5 @ 16' bgs	Date Sampled:	07-08-93
Laboratory Number:	5643	Date Received:	07-08-93
Sample Matrix:	Soil	Date Analyzed:	07-13-93
Preservative:	Cool	Date Reported:	07-13-93
Condition:	Cool & Intact	Analysis Needed:	TPH

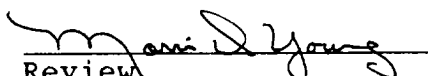
Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	12.3	5.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Martinez Gas Com "B" 1, Blow Pit, C4914.


Analyst


Review

CLIENT AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: C4913C.D.C. NO: 5646

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: MARTINEZ GC B WELL #: 1 PITS: COMPR., BLOWDATE STARTED: 12.4.97

DATE FINISHED: _____

QUAD/UNIT: (L) SEC: 24 TWP: 29 N RNG: 10 W PM: NM CNTY: SJ ST: NMQTP/FOOTAGE: NW/4 SW/4CONTRACTOR: P+SENVIRONMENTAL
SPECIALIST: NV/EP

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 733LAND USE: RANGELIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <1000'NMDC RANKING SCORE: 20 NMDC TPH CLOSURE STD: 100 PPMSOIL IS A DRY DARK YELLOW W/ LIGHT BROWN SILTY SAND
NO STAIN OR HC ODOR

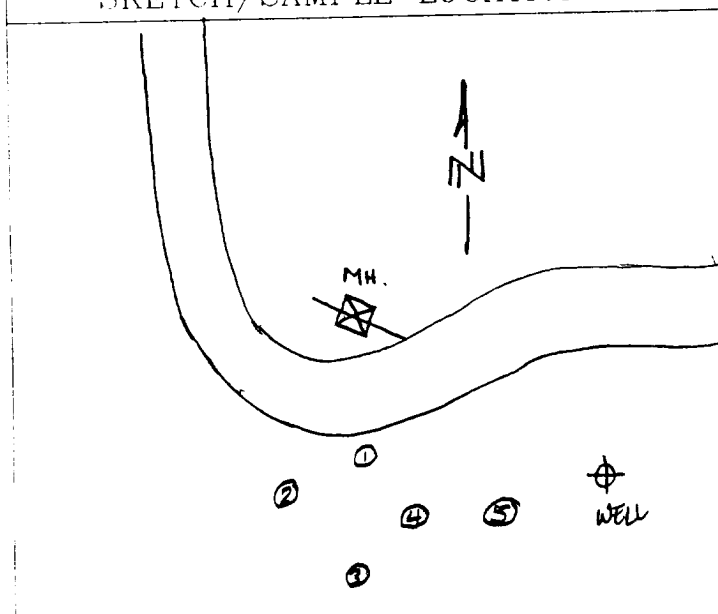
TOOK 5 PT COMP. FOR LAB ANALYSIS.

UNCERTAIN IF SOIL SAMPLE WAS MATERIAL ORIGINALLY LANDFARMED.

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	8015	1245	ND

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DIST. 3

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: N/AONSITE: 12.4.971245

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

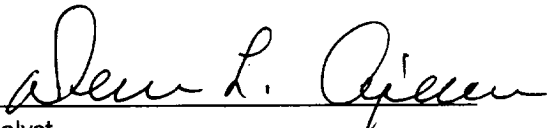
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	12-09-97
Laboratory Number:	C650	Date Sampled:	12-04-97
Chain of Custody No:	5646	Date Received:	12-05-97
Sample Matrix:	Soil	Date Extracted:	12-08-97
Preservative:	Cool	Date Analyzed:	12-08-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

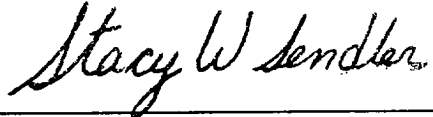
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Martinez GC B #1 Landfarm. 5 Pt. Composite.**


Analyst


Review

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-08-PM-TPH QA/QC	Date Reported:	12-09-97
Laboratory Number:	C649	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-08-97
Condition:	N/A	Analysis Requested:	TPH

Calibration	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	10-28-97	2.9715E-04	3.0698E-04	3.31%	0 - 15%
Diesel Range C10 - C28	10-28-97	2.9167E-04	3.0288E-04	3.84%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

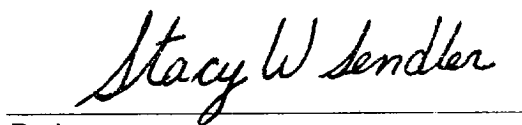
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	249	100%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100%	75 - 125%

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: QA/QC for samples C649 - C656.


Analyst


Review