

District I
P.O. Box 1880, Hobbs, NM
District II
P.G. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

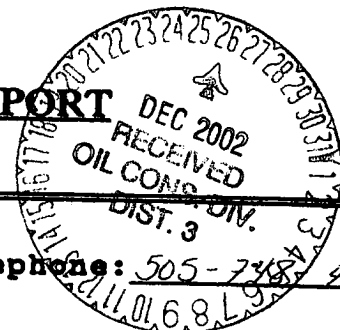
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OK

PIT REMEDIATION AND CLOSURE REPORT

30-045-09636 ✓



Operator: Yates Petroleum Corporation Telephone: 505-748-4223

Address: 105 S 4th Street Artesia NM 88210

Facility Or: Furnace Creek Unit "B" Lease Well #1
Well Name

Location: Unit or Qtr/Qtr Sec SW 1/4 SE 1/4 Sec 8 T 30N R 13W County San Juan

Pit Type: Separator ☐ Dehydrator ☐ Other Reservoir

Land Type: BLM ☐ State ☐ Fee ☐ Other Private

Pit Location: Pit dimensions: length 22 feet^{East/West}, width 18 feet^{North/South}, depth ~17 feet
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: ~100 feet

Direction from reference: 32 Degrees ☐ East North ☐
of
☒ West South ☒

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) 0

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) 0

RANKING SCORE (TOTAL POINTS):

10

Date Remediation Started: June 12, 2002 Dated Completed: Excavation 6-17-02 Backfilled 6-19-02

Remediation Method: Excavation ☒
(Check all appropriate sections)

Landfarmed ☒

Approx. cubic yards 97

In situ Bioremediation ☐

Other ☐

Remediation Location: Onsite ☐ Offsite Farnsworth Gas Com A#1
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Excavated reserve pit to an extent of no visual staining, no odor, + PVA readings <100 ppm. Landfarmed contaminated soil at the Farnsworth Gas Com A#1 landfarm. Backfilled excavated area when lab results were clean.

Landfarm: 1st Lift sampled 08-01-02 2nd Lift sampled 11-13-02

Ground Water Encountered: No ☒ Yes ☐ Depth

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

Sample location 5 point composite

Sample depth ~17 feet

Sample date June 17, 2002

Sample time 1230

Sample Results

Benzene (ppm) 3.1

Total BTEX (ppm) 5.4, 1.054 see analysis

Field headspace (ppm) 12.8 ppm Bottom

TPH Not Detected at the Stated Detection Limit

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 June 24, 2002

SIGNATURE Josh Saunders Lee

PRINTED NAME Josh Saunders Lee
AND TITLE Environmental Scientist / Geologist
Agent for Yates Petroleum

CLIENT: Yates Petroleum

ENVIROTECH Inc.

PIT NO: _____

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615C.D.C. NO: 10012

FIELD REPORT: CLOSURE VERIFICATION

JOB No 0110-004PAGE No: 1 of 1LOCATION: NAME: Farmworld Gas Unit B WELL #: 1 PIT: Leisure PitQUAD/UNIT: SJ SE SEC: 8 TWP: 30 N RNG: 13 W BM: _____ CNTY: SJ ST: NM

QTR/FOOTAGE: _____

CONTRACTOR: _____

DATE STARTED: 6-12-02DATE FINISHED: 6-19-02ENVIRONMENTAL
SPECIALIST: _____SOIL REMEDIATION: EXCAVATION APPROX. 18^{N-S} FT. x 22^{E-W} FT. x 17 FT. DEEP.DISPOSAL FACILITY: Farmworld Gas Com A #1 CUBIC YARDAGE: ~97

LAND USE: _____ LEASE: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100.5 FEET 212° FROM WELLHEAD.DEPTH TO GROUNDWATER: 400 ft NEAREST WATER SOURCE: 0.2 miles NEAREST SURFACE WATER: La Plata RiverNMCD RANKING SCORE: 10 NMCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

Excavate → 13.5' x 14' x 6' sampled for lab analysis → TPH failed
Excavate 18' x 22' x 17'

Backfilled 6-19-02

FIELD 418.1 CALCULATIONS

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

SCALE



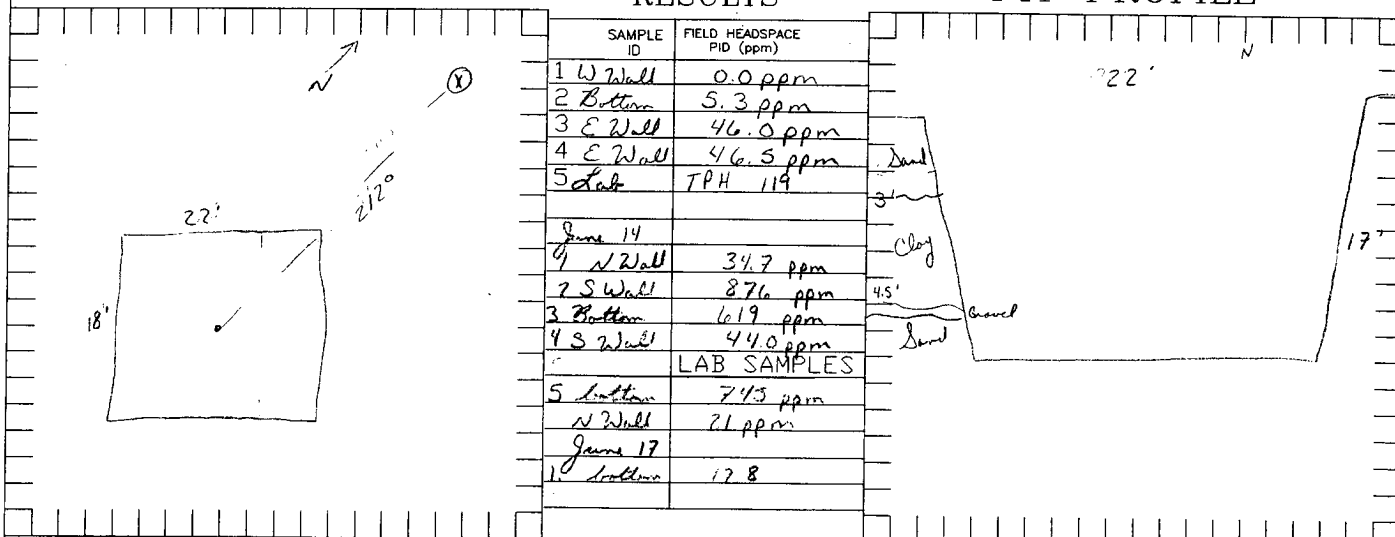
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FEET

PIT PERIMETER

OVM
RESULTS

PIT PROFILE



TRAVEL NOTES:

CALLOUT: _____

ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

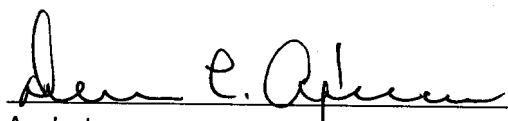
Client:	Yates Petroleum	Project #:	00110-004
Sample ID:	Reserve Pit	Date Reported:	06-18-02
Laboratory Number:	23068	Date Sampled:	06-17-02
Chain of Custody No:	10012	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-18-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

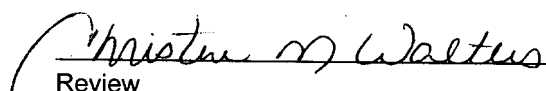
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Farnsworth Gas Unit B #1 5 point composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Yates Petroleum	Project #:	00110-004
Sample ID:	Reserve Pit	Date Reported:	06-18-02
Laboratory Number:	23068	Date Sampled:	06-17-02
Chain of Custody:	10012	Date Received:	06-17-02
Sample Matrix:	Soil	Date Analyzed:	06-18-02
Preservative:	Cool	Date Extracted:	06-18-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.1	1.8
Toluene	2.3	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND	2.2
o-Xylene	ND	1.0
Total BTEX	5.4	

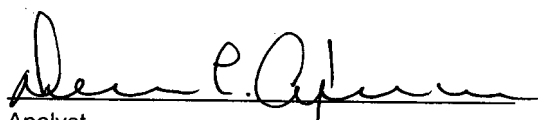
ND - Parameter not detected at the stated detection limit.

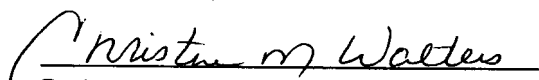
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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: Farnsworth Gas Unit B #1 5 point composite.


Analyst


Review

10012

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