

80498

OK

District I
Henry G. Faust
DEPUTY OIL & GAS INSPECTOR
District III
1000 Rio Brazos Rd. Aztec, NM 87519

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 TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

RECEIVED
FEB 17 1999
OIL CON. DIV.

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: STEDJE GC #1E
Well Name

Location: Unit or Qtr/Qtr Sec A Sec 27 T30N R12W County SAN JUAN

Pit Type: Separator Dehydrator Other

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length 60', width 115', depth 8'
(Attach diagram)
Reference: wellhead , other
Footage from reference: 135'
Direction from reference: 80 Degrees East North
 West of South

Depth To Ground Water: 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) 20
high water elevation of
ground water)

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

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 20
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 40

SEP. PIT

80498

Date Remediation Started: _____ Date Completed: 7/9/97

Remediation Method: Excavation Approx. cubic yards 1,500
(Check all appropriate sections) Landfarmed Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite Amoco Compost Facility -
(ie. landfarmed onsite, name and location of offsite facility) CROUCH MESA

General Description Of Remedial Action: _____
Excavation .

Ground Water Encountered: No _____ Yes Depth 6'

Final Pit: Sample location see Attached Documents
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 6' + 7'
Sample date 7/7/97 Sample time 1025 + 1035

Sample Results
Benzene (ppm) _____
Total BTEX (ppm) _____
Field headspace (ppm) _____
TPH _____

Ground Water Sample: Yes No _____ (If yes, attach sample results)

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

DATE 7/9/97
SIGNATURE B. Shaw

PRINTED NAME AND TITLE Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0498</u> C.D.C. NO: <u>5129</u>
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FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>STEDJE GC</u> WELL #: <u>1E</u> PIT: <u>SEP</u>	DATE STARTED: <u>7/7/97</u> DATE FINISHED: _____
QUAD/UNIT: <u>A</u> SEC: <u>27</u> TWP: <u>30N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
DIP/FOOTAGE: <u>NEL4 NEL4</u> CONTRACTOR: <u>P&S</u>	

EXCAVATION APPROX. 60 FT. x 115 FT. x 8 FT. DEEP. CUBIC YARDAGE: 1,500
 DISPOSAL FACILITY: Amoco Compost Facility - MESA REMEDIATION METHOD: LANDFARMED
 LAND USE: RANGE LEASE: - FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 135 FT. 580W FROM WELLHEAD.
 DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <200'
 NMOCD BANKING SCOPE: 40 NMOCD TPH CLOSURE STD: 100 PPM

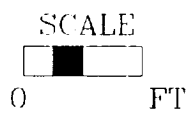
SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:
 PIT ABANDONED
 STEEL TANK INSTALLED
 FIBERGLASS TANK INSTALLED

NO PRODUCT OR SHEEN OBSERVED ON GROUNDWATER SURFACE DEPTH TO WATER HAS DECREASED AT LEAST 3' SINCE 6/26/97 DUE TO RIVER'S LOWERING RW OFF FROM MOUNTAINS, UNABLE TO DETERMINE SOIL IMPACT (NOT ACCESSIBLE) SOIL MOSTLY SAND TO SILTY SAND W/ GRAVEL (COBBLE SIZE VARYING).

FIELD 418.1 CALCULATIONS

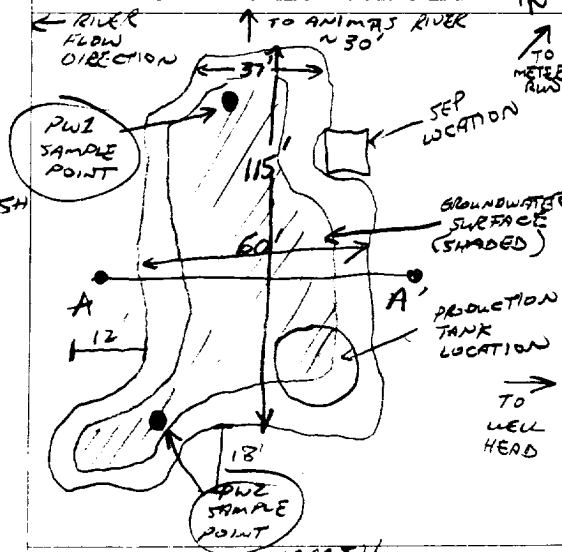
TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm



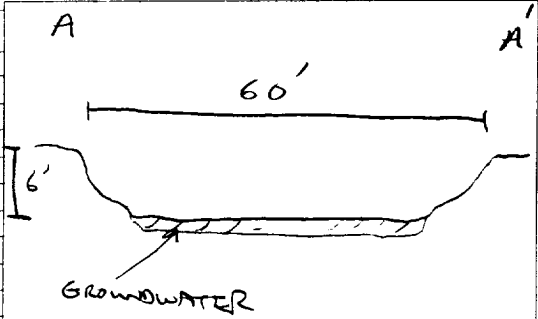
PIT PERIMETER

OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	
2	
3	
4	
5	



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
PW1 EGW(6')	BTEX & ANION/CATION	1025
PW2 EGW(7')	BTEX	1035

TRAVEL NOTES: CALLOUT: _____ ONSITE: 7/7/97 - morn.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Amoco	Project #:	04034-10
Sample ID:	PW 1 @ GW (6')	Date Reported:	07-08-97
Chain of Custody:	5129	Date Sampled:	07-07-97
Laboratory Number:	B615	Date Received:	07-07-97
Sample Matrix:	Water	Date Analyzed:	07-07-97
Preservative:	HgCl ₂ & Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	0.3	1	0.2
p,m-Xylene	0.6	1	0.2
o-Xylene	0.3	1	0.1
Total BTEX	1.2		

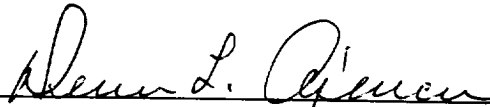
ND - Parameter not detected at the stated detection limit.


Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	101 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: **Stedje GC #1E Sep. Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Amoco	Project #:	04034-10
Sample ID:	PW 2 @ GW (7')	Date Reported:	07-08-97
Chain of Custody:	5129	Date Sampled:	07-07-97
Laboratory Number:	B616	Date Received:	07-07-97
Sample Matrix:	Water	Date Analyzed:	07-07-97
Preservative:	HgCl ₂ & Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	1.4	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	15.9	1	0.2
o-Xylene	7.1	1	0.1
Total BTEX	24.4		

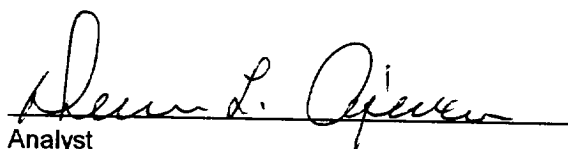
ND - Parameter not detected at the stated detection limit.

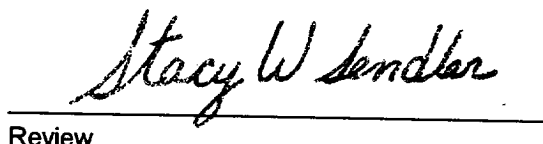
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	96 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: **Stedje GC #1E Sep. Pit.**


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CATION / ANION ANALYSIS

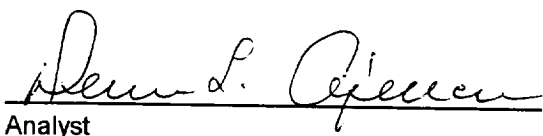
PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

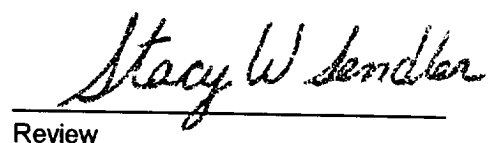
Client:	Blagg / Amoco	Project #:	04034-10
Sample ID:	PW 1 @ GW (6')	Date Reported:	07-09-97
Laboratory Number:	B615	Date Sampled:	07-07-97
Sample Matrix:	Water	Date Received:	07-07-97
Preservative:	Cool	Date Analyzed:	07-08-97
Condition:	Cool & Intact	Chain of Custody:	5129

Parameter	Analytical Result	Units		Units
pH	7.58	s.u.		
Conductivity @ 25° C	9,450	umhos/cm		
Total Dissolved Solids @ 180C	4,700	mg/L		
Total Dissolved Solids (Calc)	4,684	mg/L		
SAR	29.1	ratio		
Total Alkalinity as CaCO3	244	mg/L		
Total Hardness as CaCO3	408	mg/L		
Bicarbonate as HCO3	244	mg/L	4.00	meq/L
Carbonate as CO3	<1	mg/L	0.00	meq/L
Hydroxide as OH	<1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.2	mg/L	0.00	meq/L
Nitrite Nitrogen	0.003	mg/L	0.00	meq/L
Chloride	39.0	mg/L	1.10	meq/L
Fluoride	6.4	mg/L	0.34	meq/L
Phosphate	0.9	mg/L	0.03	meq/L
Sulfate	3,000	mg/L	62.46	meq/L
Calcium	<0.01	mg/L	0.00	meq/L
Magnesium	99.0	mg/L	8.15	meq/L
Potassium	40.0	mg/L	1.02	meq/L
Sodium	1,350	mg/L	58.73	meq/L
Cations			67.89	meq/L
Anions			67.93	meq/L
Cation/Anion Difference			0.05%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Stedje GC #1E Sep Pit.**


Analyst


Review

