

**PIT  
REMEDIATION  
&  
CLOSURE  
REPORT**

**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

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

(Revised 3/9/94)

**PIT REMEDIATION AND CLOSURE REPORT****Operator:** AMERADA HESS CORPORATION **Telephone:** 915/758-6741**Address:** P.O. BOX 840, SEMINOLE, TEXAS 79360**Facility Or:** BAGLEY SWD FACILITY**Well Name****Location:** Unit or Qtr/Qtr Sec N Sec 35 T 11S R 33E County LEA**Pit Type:** Separator      Dehydrator      Other EMERGENCY OVERFLOW**Land Type:** BLM     , State X, Fee     , Other     **Pit Location:** Pit dimensions: length 170, width 57, depth 10 (EST)

(Attach diagram)

Reference: wellhead X, other     Footage from reference: 60 FT.Direction from reference: 0 Degrees      East North X  
of

PIT WAS DUE NORTH

     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: 01/24/94

Date Completed: 11/16/95

Remediation Method: Excavation ☒

Approx. cubic yards 8000

(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: HEAVILY CONTAMINATED MATERIAL WAS

EXCAVATED FROM THE PIT AND WAS BIOREMEDIATED AT THE SITE. THE REMAINDER OF THE

CONTAMINATED SOIL WAS EXCAVATED UNTIL SAMPLE ANALYSIS INDICATED THAT THE PIT WAS

CLEANED UP TO OCD GUIDELINES. THE EXCAVATED MATERIAL WAS BLENDED WITH CLEAN MATERIAL

AND WAS THEN USED TO BACKFILL THE PIT.

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 PIT WALLS AND BOTTOM

SEE ATTACHED CLOSURE REPORT

Sample depth \_\_\_\_\_

Sample date \_\_\_\_\_

Sample time \_\_\_\_\_

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX(ppm) \_\_\_\_\_

Field headspace(ppm) \_\_\_\_\_

TPH \_\_\_\_\_

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 11/21/95

SIGNATURE



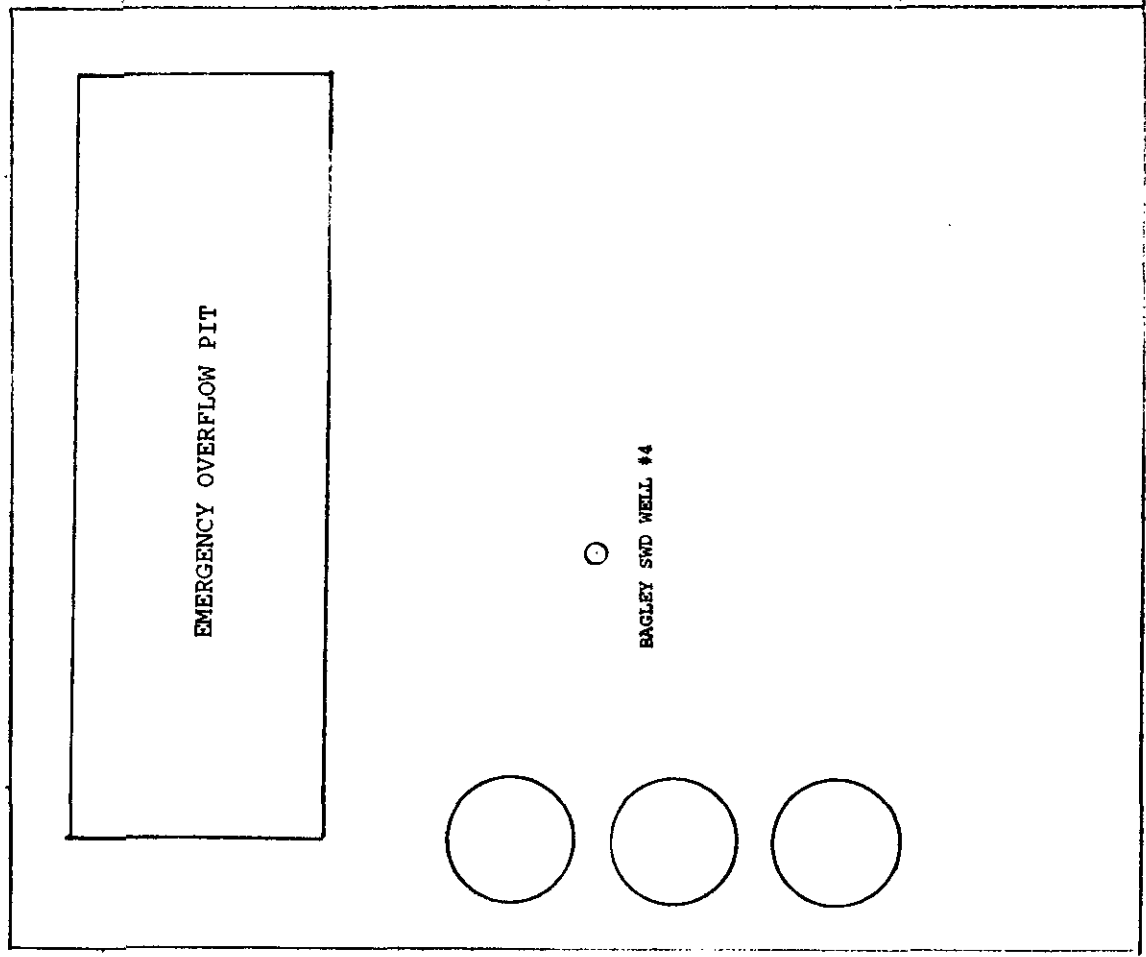
PRINTED NAME  
AND TITLE

SAMUEL SMALL, PE  
ENVIRONMENTAL COORDINATOR



AMERADA HESS CORPORATION
BAGLEY SWD FACILITY
UNIT N, SEC 35, T-11S, R-35E
LEA COUNTY, NM

NOT TO SCALE



Presented to:

**AMERADA HESS**

**Final Closure Report**

for:

**State "BTC"**  
**Bagley SWD Storage**

Prepared by:

**Environmental Spill Control, Inc.**  
**1203 W. Dunnam**  
**P.O. Box 5890**  
**Hobbs, New Mexico 88241**  
**(505) 392-6167**



NM GENERAL CONTRACTORS LIC. #55535  
TX DRILLING LIC. #5005M  
NM DRILLING LIC. #WD 1349

P.O. BOX 5890 ★ HOBBS, NM 88241  
PHONE (505) 392-6167 ★ FAX (505) 397-5085

November 15, 1995

Amerada Hess Corporation  
P.O. Box 840  
Seminole, Texas 79360

Attn.: Mr. Sam Small  
Environmental Supervisor

Re: Final Closure Report for the Bagley Emergency Overflow Pit

Dear Mr. Small:

Environmental Spill Control, Inc. would like to take this opportunity to thank you and your organization for the ability to be of service. The following summarizes the Bagley pit closure, including soil reports and photo documentation.

The original pit size was approximately 170 feet by 57 feet, an estimated 9690 square feet. The fence and netting around the pit were removed on January 24, 1994. There was approximately 300 to 400 cubic yards of heavy hydrocarbon contaminated soil excavated in the first 2 feet to 4 feet of the pit. This heavily hydrocarbon contaminated soil was stabilized and set aside for bio-remediation. On January 24, 1994, excavation was started. The pit over the next several weeks was excavated to a depth of 30 feet on the west end. It should be mentioned that the closure guidelines recommended by the OCD in a ranking score for the pit was 1,000 ppm of Total Petroleum Hydrocarbon (TPH).

On February 8, 1994, excavation to the bottom of the pit was accomplished. Mr. Wayne Price, an engineer with the OCD, inspected the site to verify the clean up criteria had been met on the pit. TPH tests were conducted on-site and witnessed by Mr. Price. These soil samples were taken from the pit bottom. Approval from Mr. Price was given to begin backfilling the excavated pit. We began the backfilling of the pit on February 10, 1994. It was estimated that there had been in excess of 8,000 cubic yards of soils and impacted soils excavated out of the pit. Soil dilution of the excavated impacted material began. Placement in the excavated pit began at 30 feet with the soils being mixed a number of times with fresh soils to lower the overall TPH

below closure limits and virtually eliminate any BTEX. Five foot lifts were employed and compaction of the lifts was accomplished at each five foot interval until the excavation was brought back to grade. Each 5 foot layer being compacted was analyzed for TPH to ensure that closure guidelines were maintained.

The 300 to 400 cubic yards of heavy hydrocarbon contaminated soil was placed in a heap compost pile to bio-degrade. Once the TPH levels were under closure limits, the compost pile was spread over the site and the fence taken down. The site was then planted with winter wheat and as of this date, there is 2 to 3 inches of growth over 90% of the site. TPH and BTEX tests were run by a third party lab to confirm final clean up had been met.

If you have any questions or desire further information, please contact us.

Sincerely,  
ENVIRONMENTAL SPILL CONTROL, INC.

A handwritten signature in cursive script, appearing to read "Allen Hodge".

Allen Hodge, REM  
Field Superintendent

**ENVIRONMENTAL SPILL CONTROL, INC.**

6210 Lovington Highway  
P.O. Box 5890  
Hobbs, NM 88240  
(505) 392-6167 (800) 390-6167

**SOIL ANALYSIS REPORT**

DATE: 02/08/94  
CLIENT: Amerada Hess  
SUPERVISOR: A. HODGE

FACILITY: Bagley SWD System Emer. Overflow  
Test Method: EPA 418.1

	TPH		DEPTH	LOCATION
SAMPLE NO. 1:	870	PPM	14'	North Wall East End
SAMPLE NO. 2:	140	PPM	16'	North Wall Middle East End
SAMPLE NO. 3:	62	PPM	20'	North Wall Middle West End
SAMPLE NO. 4:	43	PPM	24'	North Wall West End
SAMPLE NO. 5:	87	PPM	6' - 26'	North Wall Composite
SAMPLE NO. 6:	172	PPM	12'	South Wall East End
SAMPLE NO. 7:	38	PPM	16'	South Wall Middle East End
SAMPLE NO. 8:	54	PPM	22'	South Wall Middle West End
SAMPLE NO. 9:	114	PPM	28'	South Wall West End
SAMPLE NO. 10:	38	PPM	8' - 28'	South Wall Composite

COMMENTS: Samples 1 - 4 were grab samples taken off the north wall. Sample 5 is a composite sample off the north wall. Samples 6 - 9 were grab samples taken off the south wall. Sample 10 is a composite off the south wall.



**ENVIRONMENTAL SPILL CONTROL, INC.**

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P.O. Box 5890  
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**SOIL ANALYSIS REPORT**

DATE: 02/08/94  
CLIENT: Amerada Hess  
SUPERVISOR: A. HODGE

FACILITY: Bagley SWD System Emer. Overflow  
Test Method: EPA 418.1

	TPH		DEPTH	LOCATION
SAMPLE NO. 11:	187	PPM	14'	Bottom North East Corner
SAMPLE NO. 12:	68	PPM	14'	Bottom South East Corner
SAMPLE NO. 13:	30	PPM	18'	Bottom North Middle
SAMPLE NO. 14:	112	PPM	18'	Bottom South Middle
SAMPLE NO. 15:	27	PPM	27'	Bottom North West Corner
SAMPLE NO. 16:	45	PPM	30'	Bottom South West Corner
SAMPLE NO. 17:	88	PPM	14' - 30'	Bottom Composite

COMMENTS: Samples 11 - 16 were grab samples taken out of the bottom of the hole. Sample 17 is a 6 point composite sample from the bottom of the hole.

**ENVIRONMENTAL SPILL CONTROL, INC.**

1203 West Dunnam

P.O. Box 5890

Hobbs, NM 88240

(505) 392-6167 (800) 390-6167

**SOIL ANALYSIS REPORT**

DATE: 02/10/94 - 2/20/94

CLIENT: Amerada Hess

SUPERVISOR: A. HODGE

Bagley SWD System Emer. Overflow

Test Method: EPA 418.1

	TPH		DEPTH	LOCATION
SAMPLE NO. 01	280	PPM	30-25'	Bottom West End
SAMPLE NO. 02	340	PPM	25-20'	Bottom West End
SAMPLE NO. 03	418	PPM	25-20'	Bottom East End
SAMPLE NO. 04	180	PPM	20-15'	Bottom West End
SAMPLE NO. 05	265	PPM	20-15'	Bottom East End
SAMPLE NO. 06	357	PPM	15-10'	Bottom East End
SAMPLE NO. 07	420	PPM	15-10'	Bottom West End
SAMPLE NO. 08	164	PPM	10-5'	Bottom East End
SAMPLE NO. 09	290	PPM	10-5'	Bottom West End
SAMPLE NO. 10	234	PPM	5'-Surface	Bottom East End
SAMPLE NO. 11	190	PPM	5'-Surface	Bottom West End

COMMENTS: These samples were composite samples taken of the backfill material.



# **ARDINAL LABORATORIES**

PHONE (915) 873-7001 • 211 E. CHURCHWOOD • ABILENE, TX 79803

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

## **TPH/BTEX ANALYSIS REPORT**

Company: Environmental Spill Control Inc.  
Address: P.O. 5890  
City, State: Hobbs, New Mexico 88240

Date: 11/16/95  
Lab #: H2279

Project Name: Hess-Bagley  
Location: Tatum, NM  
Sampled by: A.H.  
Analyzed by: MI  
Sample Type: Soil

Date: 11/03/95 Time: 10:00am  
Date: 11/16/95 Time: 08:40am  
Sample Condition: Intact

Units: ppm

*****								
Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	Bagley Bio-site	238.9	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

QC Recovery	449	0.790	0.755	0.919	0.849	0.782	0.783
QC Spike	450	0.872	0.858	0.856	0.844	0.854	0.844
Accuracy	99.8 %	90.4%	87.9%	107.2%	100.6%	91.5%	92.7%
Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMATOGRAPHY, INFRARED SPECTROSCOPY  
- EPA SW-846; 8020, 418.1, 3510, 3540 or 3550

Mitch Irvin  
Mitch Irvin

11/16/95  
Date

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
310 Old Santa Fe Trail, Room 206  
Santa Fe, New Mexico 87503

WELL API NO.

5. Indicate Type of Lease  
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

State "BTC"  
Bagley SWD Storage

8. Well No.

9. Pool name or Wildcat

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL ☐ GAS WELL ☐ Emergency Overflow Pit  
OTHER

2. Name of Operator  
Amerado Hess Corporation

3. Address of Operator  
Drawer D, Monument, New Mexico 88265

4. Well Location

Unit Letter \_\_\_\_\_ Feet From The \_\_\_\_\_ Line and \_\_\_\_\_ Feet From The \_\_\_\_\_

Section 35 Township 115 Range 33E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☒

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

It is our intent to remediate the emergency overflow pit which is associated with the State "BTC" Lease, Bagley SWD Storage. The approximate dimensions of the pit are 57 feet by 170 feet. The pit is characterized as containing oilfield wastes associated in oil and gas production practices which are exempt from the RCRA Subtitle Regulation. We further intend to remediate the top five feet of the pit utilizing microorganisms in a windrow configuration covered in plastic. The remaining contamination in the envelope layer will be diluted under the guideline limits established for surface impoundments closures by the OCD.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Al Young 1-11-94 TITLE Sr. Production Foreman DATE 1/11/94

TYPE OR PRINT NAME Al Young TELEPHONE NO. (505) 393-2144

(This space for State Use) **ORIGINAL SIGNED BY JERRY SEXTON**  
**DISTRICT I SUPERVISOR**

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JAN 11 1994

CONDITIONS OF APPROVAL IF ANY