

GW - 74

**GENERAL
CORRESPONDENCE**

YEAR(S):
2004-1996

Ford, Jack

From: Stephen Bailey [Stephen.Bailey@Halliburton.com]
Sent: Tuesday, February 17, 2004 8:23 AM
To: Ford, Jack
Cc: Saul Medina
Subject: RE: Halliburton-Hobbs, NM- Below Grade Sump Construction Guidelines

GW-074

Mr. Ford,

I looked up the Class V wells and it pertains to commercial septic systems. What I propose is a 2 compartment below grad
 If not, does the OCD have specific guidelines on the construction of the sumps??

Class V: Other categories of wells: Examples are commercial septic tank systems, dry wells, geothermal wells. OCD administers WQCC rules for these wells at geothermal sites, and the oilfield service industry. Because of the potential for serious ground water contamination by oilfield chemicals and wastes, OCD is requiring service companies to close these wells when located by OCD staf

Stephen W. Bailey
Facility Supervisor
505-392-0701-Office
505-631-1817-Cell
505-738-1123-Home
505-392-0745-Fax

-----Original Message-----

From: Ford, Jack [mailto:JWFORD@state.nm.us]
Sent: Friday, February 13, 2004 5:28 PM
To: Stephen Bailey
Subject: RE: Halliburton-Hobbs, NM- Below Grade Sump Construction Guidelines

Steve,

As I understand your proposal that would be a Class V well and we do not allow Class V wells any longer.

Jack Ford

-----Original Message-----

From: Stephen Bailey [mailto:Stephen.Bailey@Halliburton.com]
Sent: Friday, February 13, 2004 2:46 PM
To: Jack Ford-OCD
Subject: Halliburton-Hobbs, NM- Below Grade Sump Construction Guidelines

Mr. Ford,

We are planning on construction a Lab on the Halliburton facility located at 5801 Lovington Hwy, Hobbs, NM. In the plans it calls for a 2 compartment below grade sump. This sump is to be utilized as a Oil/Water separator. Can you please provide the guidelines are for constructing this sump? We are trying to get a final draft drawn up so that we can take it to the Architect and I would like to have the guidelines before we go the Architect.

Thank You,

*2/16/04 - Discussed with
 Steve Bailey - 505-392-0701
 to forward modification*

2/17/2004

Ford, Jack

From: Stephen Bailey [Stephen.Bailey@Halliburton.com]
Sent: Friday, February 13, 2004 2:46 PM
To: Jack Ford-OCD
Subject: Halliburton-Hobbs, NM- Below Grade Sump Construction Guidelines

Mr. Ford,

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Thank You,

Stephen W. Bailey
Facility Supervisor
505-392-0701-Office
505-631-1817-Cell
505-738-1123-Home
505-392-0745-Fax

2/17/2004



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

October 1, 2003

Mr. Harvey Price
Halliburton Energy Services
5801 Lovington Highway
Hobbs, New Mexico 88240

**RE: Facility Inspection
Hobbs Service Facility, GW-074
Lea County, New Mexico**

Dear Mr. Price:

The New Mexico Oil Conservation Division (OCD) on September 23, 2003, along with Halliburton Energy Services personnel Mr. Harvey Price and Mr. Ed Morrill inspected the Hobbs Service Facility. The purpose was general inspection for the discharge permit for this facility.

Note: For Halliburton Energy Services information the OCD has enclosed copies of photos taken during the inspection.

The OCD would like to thank the Halliburton Energy Services personnel for their professional conduct during the site visits. If there any questions regarding this report feel free to call me at (505)-476-3489.

Sincerely,

A handwritten signature in black ink, appearing to read "W. Jack Ford".

W. Jack Ford, C.P.G.

Environmental Engineer

OCD Environment Bureau

cc: OCD Hobbs District Office

ATTACHMENT NO.1

Hobbs Service Facility





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

January 21, 2003

Mr. Daniel Coulson
Halliburton Energy Services
4000 North Big Spring, Suite 200
Midland, Texas 79705

**RE: Discharge Plan Renewal Approval GW-074
Halliburton Energy Services
Hobbs Service Facility
Lea County, New Mexico**

Dear Mr. Coulson:

The ground water discharge plan renewal GW-074 for the Halliburton Energy Services Hobbs Service Facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 30 days of receipt of this letter.**

The original discharge plan application was submitted on October 2, 1992 and approved January 27, 1992. The discharge plan renewal application, dated December 6, 2002, was submitted pursuant to Sections 20.6.2.3106. of the New Mexico Water Quality Control Commission (WQCC) Regulations. The discharge plan is renewed pursuant to Sections 20.6.2.3106.F. and 20.6.2.3109.C. Please note Section 20.6.2.3109.G., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve Halliburton Energy Services of liability should operations result in pollution of surface water, ground water, or the environment.

Please be advised that all exposed pits, including lined pits and open tanks (tanks exceeding 16 feet in diameter), shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that Section 20.6.2.3104 of the regulations provides: "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 20.6.2.3107.C., Halliburton Energy Services is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Mr. Daniel Coulson
GW-074 Hobbs Service Facility
January 21, 2003
Page 2

Pursuant to Section 20.6.2.3109.H.4., this discharge plan is for a period of five years. This plan will expire on **January 27, 2008**, and Halliburton Energy Services should submit an application in ample time before this date. Note that under Section 20.6.2.3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan .

The discharge plan application for the Halliburton Energy Services Hobbs Service Facility is subject to WQCC Regulation 20.6.2.3114. Every billable facility submitting a discharge plan renewal application will be assessed a non-refundable fee equal to the filing fee of \$100. There is a flat fee assessed for oil and gas service companies equal to \$1,700.00. The OCD has received the filing fee and the flat fee required.

**Please make all checks payable to: Water Management Quality Management Fund
C/o: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505.**

If you have any questions please contact Mr. W. Jack Ford at (505) 476-3489. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



Roger C. Anderson
Chief, Environmental Bureau
Oil Conservation Division

RCA/wjf
Attachment

xc: OCD Hobbs Office

ATTACHMENT TO THE DISCHARGE PLAN RENEWAL GW-074
HALLIBURTON ENERGY SERVICES
HOBBS SERVICE FACILITY
DISCHARGE PLAN APPROVAL CONDITIONS
(January 21, 2003)

1. Payment of Discharge Plan Fees: The \$100.00 filing fee has been received by the OCD. There is a flat fee assessed for oil and gas service companies equal to \$1,700.00. The required flat fee has been received by the OCD.
2. Halliburton Energy Services Commitments: Halliburton Energy Services will abide by all commitments submitted in the discharge plan renewal application dated December 6, 2002 and these conditions for approval.
3. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste determination per 40 CFR Part 261. Any waste stream that is not listed in the discharge plan will be approved by OCD on a case-by-case basis.
4. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.
5. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.
6. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.
7. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.
8. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

9. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.
10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity every 5 years. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.
11. Class V Wells: No Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.
12. Housekeeping: All systems designed for spill collection/prevention will be inspected by a Halliburton Energy Services's representative on a regular basis and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained for a period of five years.
13. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 20.6.2.1203 to the OCD Hobbs District Office.
14. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.
15. Storm Water Plan: Halliburton Energy Services shall maintain storm water runoff controls. As a result of Halliburton Energy Services's operations any water contaminant that exceeds the WQCC standards listed in 20 NMAC 6.2.3101 is discharged in any storm water runoff then Halliburton Energy Services shall notify the OCD within 24 hours, modify the plan within 15 days and submit for OCD approval. Halliburton Energy Services shall also take immediate corrective actions pursuant to Item 12 of these conditions.

16. Closure: The OCD will be notified when operations of the Hobbs Service Facility are discontinued for a period in excess of six months. Prior to closure of the Hobbs Service Facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.
17. Certification: Halliburton Energy Services, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Halliburton Energy Services further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

HALLIBURTON ENERGY SERVICES

by _____
Title



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

February 4, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-917

Mr. Sherman Pierce
Halliburton Energy Services
4000 North Big Springs Road
Midland, Texas 79705

**RE: DISCHARGE PLAN RENEWAL GW-074
HOBBS SERVICE FACILITY
LEA COUNTY, NEW MEXICO**

Dear Mr. Pierce:

The ground water renewal discharge plan GW-074, for the Hobbs Service Facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the original discharge plan as approved January 27, 1992, and the discharge plan renewal application dated September 24, 1997. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 10 working days of receipt of this letter.**

The discharge plan was submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to Section 3109.A. Please note Sections 3109.E and 3109.F., which provide for possible future amendments or modifications of the plan. Please be advised that approval of this plan does not relieve Halliburton Energy Services of liability should operations result in pollution of surface water, ground water, or the environment.

Please be advised that all exposed pits, including lined pits and open tanks (tanks exceeding 16 feet in diameter), shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that Section 3104 of the regulations require "When a facility has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C. Halliburton Energy Services is required to notify the Director of any facility expansion,

Mr. Sherman Pierce
February 4, 1998
Page 2

expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.G.4., this plan is for a period of five years. This approval will expire on January 27, 2003, and Halliburton Energy Services should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan renewal application for the Halliburton Energy Services Hobbs Service Facility is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$50 plus a flat fee equal to one-half of the original flat fee. The OCD has not received the filing fee.

On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



Kathleen A. Garland
Acting Director

KAG/wjf
Attachment

xc: OCD Hobbs Office



HALLIBURTON ENERGY SVCS.
MISTY DENNEY
PH. 505-392-6531
5801 LOVINGTON HWY.
HOBBS, NM 88240-9155

No. [Redacted]

DATE 2-11-98

56-194/422

Pay to the order of

NMED Water Quality \$50.⁰⁰/KK
fifty +⁰⁰/KK

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CINCINNATI, OHIO 45150

MEMO Hobbs GW-074

Misty Denney

MP

RECEIVED

FEB 17 1998

Environmental Bureau
Oil Conservation Division



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

February 4, 1998

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RETURN RECEIPT NO. Z-357-869-917

Mr. Sherman Pierce
Halliburton Energy Services
4000 North Big Springs Road
Midland, Texas 79705

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HOBBS SERVICE FACILITY
LEA COUNTY, NEW MEXICO**

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Mr. Sherman Pierce
February 4, 1998
Page 2

expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.G.4., this plan is for a period of five years. This approval will expire on January 27, 2003, and Halliburton Energy Services should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan renewal application for the Halliburton Energy Services Hobbs Service Facility is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$50 plus a flat fee equal to one-half of the original flat fee. The OCD has not received the filing fee.

On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



Kathleen A. Garland
Acting Director

KAG/wjf
Attachment

xc: OCD Hobbs Office

Z 357 869 917

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to <i>Sherman Pierce</i>	
Street & Number <i>Halliburton</i>	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>GW-074</i>	

PS Form 3800 April 1995

ATTACHMENT TO THE DISCHARGE PLAN GW-074 RENEWAL
HALLIBURTON ENERGY SERVICES
HOBBS SERVICE FACILITY
DISCHARGE PLAN APPROVAL CONDITIONS
(February 4, 1998)

1. Payment of Discharge Plan Renewal Fees: The \$50.00 filing fee has not been received. A renewal flat fee for service company facilities is equal to one-half of the original flat fee or \$690.00.
2. Halliburton Commitments: Halliburton Energy Services will abide by all commitments submitted in the original and renewal discharge plan applications dated October 2, 1991 and September 24, 1997.
3. Waste Disposal: All wastes shall be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous by characteristics may be disposed of at an OCD approved facility upon proper waste characterization per 40 CFR Part 261.
4. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.
5. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.
6. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new facilities or modifications to existing facilities must place the tank on an impermeable type pad within the berm.
7. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

8. Labeling: All tanks, drums and containers should be clearly labeled to identify their contents and other emergency information necessary if they were to rupture, spill, or ignite.
9. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.
10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. Permittees may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.
11. Class V Wells: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject fluid other than domestic waste sewage below the surface are considered Class V injection wells under the EPA UIC program. All class V wells will be closed unless, it can be demonstrated that protectable groundwater will not be impacted in the reasonably foreseeable future. Class V wells must be closed through the Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, environment and groundwater as defined by the WQCC, and are cost effective.
12. Housekeeping: All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure.
13. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Aztec District Office.
14. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

15. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.
16. Certification: Halliburton Energy Services, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Halliburton Energy Services further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

HALLIBURTON ENERGY SERVICES

by _____
Title



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

January 27, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ANITA LOCKWOOD
CABINET SECRETARY

CERTIFIED MAIL

RETURN RECEIPT NO. P-667-242-150

Mr. Matt D. Ratliff
Halliburton Company
P.O. Drawer 1431
Duncan, Oklahoma 73536-0100

RE: Discharge Plan GW-74
Hobbs Service Facility
Lea County, New Mexico

Dear Mr. Ratliff:

The groundwater discharge plan GW-74 for the Halliburton Company Hobbs Service Facility located in Section 7, Township 18 South, Range 39 East, NMPM, Lea County, New Mexico is hereby approved under the conditions contained in the enclosed attachment. The discharge plan consists of the application dated October 2, 1992 and materials dated December 16, 1992 submitted as a supplement to the application.

The discharge plan was submitted pursuant to Section 3-106 of the Water Quality Control Commission Regulations and is approved pursuant to section 3-109.A. Please note Section 3-109.F., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve you of liability should your operation result in actual pollution of surface or ground waters or the environment which may be actionable under other laws and/or regulations.

Please be advised that all exposed pits, including lined pits and open top tanks (tanks exceeding 16 feet in diameter) shall be screened, netted or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that section 3-104 of the regulations requires that "When a plan has been approved, discharges must be consistent with

Mr. Matt D. Ratliff
January 27, 1993
Page -2-

the terms and conditions of the plan". Pursuant to Section 3-107.c. you are required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

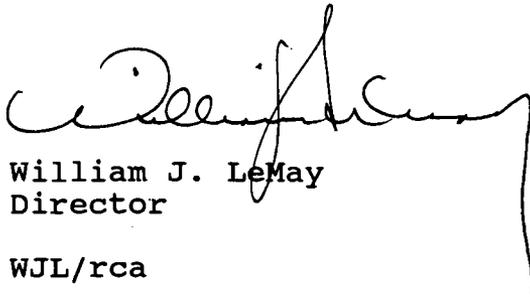
Pursuant to Section 3-109.g.4., this plan approval is for a period of five years. This approval will expire January 27, 1998 and you should submit an application for renewal in ample time before that date.

The discharge plan application for the Halliburton Company Hobbs Service Facility is subject to the WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty (50) dollars plus the flat rate of thirteen hundred and eighty (1380) dollars for service companies.

The OCD has received your \$50 filing fee and the \$1380 flat fee.

On behalf of the staff of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



William J. LeMay
Director

WJL/rca

xc: Jerry Sexton-OCD Hobbs Office

**ATTACHMENT TO DISCHARGE PLAN GW-74 APPROVAL
HALLIBURTON COMPANY HOBBS SERVICE FACILITY
DISCHARGE PLAN REQUIREMENTS
(January 27, 1993)**

1. Drum Storage: All drums will be stored on pad and curb type containment.
2. Sump Inspection: All sumps at this facility will be cleaned and visually inspected on an annual basis. Any new sumps or below-grade tanks will be approved by the OCD prior to installation and will incorporate leak detection in their designs.
3. Tank Berming: All tanks that contain materials other than fresh water that, if released, could contaminate surface or ground water or the environment will be bermed to contain one and one third times the capacity of the tank.
4. Spills: All spills and/or leaks will be reported to the OCD district office pursuant to WQCC Rule 1-203 and OCD Rule 116.
5. Underground Tanks: All Underground tanks under the jurisdiction of the OCD will be pressure tested on an annual basis

29 1996

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

	000		

(A) Owner of well New Mexico Junior Colledge
 Street and Number P.O. Box 2279,
 City Hobbs, State New Mexico, 88240.
 Well was drilled under Permit No. L-6694 and is located in the
1/4 N 1/2 SW 1/4 of Section 7 Twp. 18-5 Rge. 38E
 (B) Drilling Contractor Glasspoole W.W. Serv. License No. 447
 Street and Number P.O. Box 42,
 City Hobbs, State New Mexico, 88240.
 Drilling was commenced 7-6- 19 70
 Drilling was completed 7-29- 19 70

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 198
 State whether well is shallow or artesian Shallow Depth to water upon completion 35 ft.

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation		
	From	To				
1	10	110	70	Water-Sand	Brown	Soft.
2	112	160	18	Water-Sand	Brown	Soft.
3	165	185	20	Water-Sand	Brown	Soft.
4						
5						

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
1 1/2 inch		Welded	0	198	198	None	50	198 190

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
		16 inches			

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

No.	Depth of Plug		No. Sacks Used
	From	To	

RECEIVED

AUG 05 1996

Environmental Bureau
Oil Conservation Division

FOR USE OF STATE ENGINEER ONLY

Basin Supervisor _____

Date Received _____

2

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Ladshaw Explosives Owner's Well No. _____
Street or Post Office Address P.O. Box 1754
City and State Hobbs, N.M. 88240

Well was drilled under Permit No. Monitor Well and is located in the:

a. NW 1/4 SW 1/4 NW 1/4 ~~SE 1/4~~ NE 1/4 of Section 12⁷ Township 18S Range 38E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Alan Eades License No. WD-1044

Address 49 Katy Lane, Hobbs, N.M. 88240

Drilling Began 4-20-87 Completed 4-20-87 Type tools Rotary Size of hole 6 1/2 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 65 ft.

Completed well is shallow artesian. Depth to water upon completion of well 36 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
36	65	29	Water Sand	35

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
4 3/4	160psi				65		35	65

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received May 22, 1987

Quad _____ FWL _____ FSL _____

File No. NO FILE NUMBER Use OBS Location No. 18.38.7.13133

FIELD ENGR. LOG

3

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

Empty grid for well location details.

(Plat of 640 acres)

(A) Owner of well New Mexico Junior College

Street and Number

City Hobbs, State New Mexico

Well was drilled under Permit No. L-5855 and is located in the

NE 1/4 of Section 7 Twp. 10 Rge. 10

(B) Drilling Contractor W. H. Brady License No. 10-199

Street and Number Rt 2 Box 193

City Amarillo, State New Mexico

Drilling was commenced May 23, 1966

Drilling was completed June 1, 1966

Elevation at top of casing in feet above sea level Total depth of well 110

State whether well is shallow or artesian shallow Depth to water upon completion 33

Section 2

PRINCIPAL WATER-BEARING STRATA

Table with 4 columns: No., Depth in Feet (From, To), Thickness in Feet, Description of Water-Bearing Formation. Row 1: 1, 15-19, 4, Sand with sandstone streaks. Row 2: 2, 19-27, 8, Sandstone. Row 3: 3, 27-33, 6, Sandstone. Row 4: 4, empty. Row 5: 5, empty, Production Well.

Section 3

RECORD OF CASING

Table with 8 columns: Dia in., Pounds ft., Threads in., Depth (Top, Bottom), Feet, Type Shoe, Perforations (From, To). Row 1: 22, 45, empty, 0-33, empty, empty, empty. Row 2: 12-1/4, 14, welded, 0-107, 107, plate, 33-107.

Section 4

RECORD OF MUDDING AND CEMENTING

Table with 5 columns: Depth in Feet (From, To), Diameter Hole in in., Tons Clay, No. Sacks of Cement, Methods Used. Row 1: 0-33, 27, empty, 33, Sandstone.

Section 5

PLUGGING RECORD

Name of Plugging Contractor License No.

Street and Number City State

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Date Plugged 19

Plugging approved by: Cement Plugs were placed as follows:

Basin Supervisor

Table for cement plug placement with 3 columns: No., Depth of Plug (From, To), No. of Sacks Used.

FOR USE OF STATE ENGINEER ONLY

Date Received

1966 JUN 10 PM 3:02

File No. L-5855

Use (Air Cond.) Prod. Location No. 18.38.7.4413

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

		Section 7	
		8	

(Plat of 640 acres)

(A) Owner of well City of Hobbs "Well No. "
 Street and Number P.O. Box 1117
 City Hobbs State New Mexico
 Well was drilled under Permit No. L-3274 and is located in the
 SE 1/4 SW 1/4 NE 1/4 of Section 7 Twp. 18S Rge. 38E
 (B) Drilling Contractor Walco Drilling Co. License No. 349
 Street and Number 212 E. New York
 City Hereford State Texas
 Drilling was commenced June 13 19 66
 Drilling was completed June 15 19 66

Elevation at top of casing in feet above sea level Total depth of well 180'
 State whether well is shallow or artesian shallow Depth to water upon completion 34'

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	34	45	11	sandrock and sand layers
2	45	50	5	red sand
3	55	174	119	sand and rock stringers
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
16	42.05	none	+1'3"	180'	181'3"		61 ft.	171 ft.

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
0	30	30"	--	3 1/2 yds	poured in from top

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.
 Street and Number City State
 Tons of Clay used Tons of Roughage used Type of roughage
 Plugging method used Date Plugged 19
 Plugging approved by: Cement Plugs were placed as follows:

Basin Supervisor

No.	Depth of Plug		No. of Sacks Used
	From	To	

FOR USE OF STATE ENGINEER ONLY

Date Received Sept. 11 1967 8:29AM

File No. L-3274 Use Mdni Location No. 18.38.7, 234434

State of New Mexico

ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

2040 South Pacheco

P.O. Box 6429

Santa Fe, New Mexico 87505-5472

*Photos
1988*



HALLIBURTON - Hobbs

EPA TRIP

3/25/88



HALLIBURTON - Hobbs

EPA TRIP

3/25/88



HALLIBURTON - Hobbs

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HALLIBURTON - Hobbs

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3/25/88

NO SMOKING



DANGER
RADIOACTIVE
SMOKE



HALLIBURTON - Hobbs

EPA TRIP

3/25/88



HALLIBURTON - Hobbs

EPA TRIP

3/25/88



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3/25/88



HALLIBURTON. - Hobbs

EPA TRIP

3/25/88



HALLIBURTON - Hobbs

EPA TOUR

3/25/88



HALLIBURTON - Hobbs

EPA TRIP

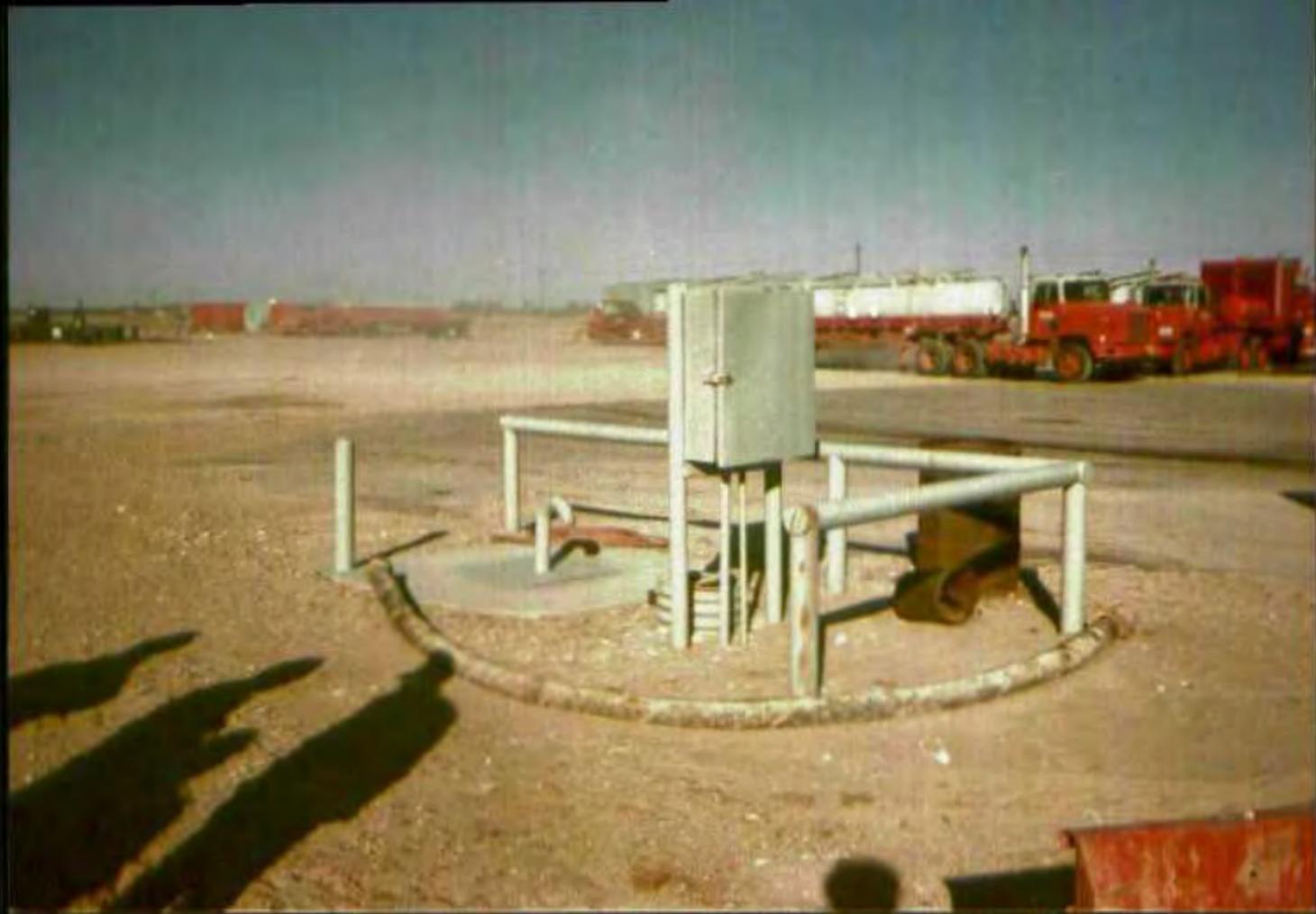
3/25/88



HALLIBURTON - Hobbs

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3/25/88



HALLIBURTON - Hobbs

EPA TRIP

3/25/88



HALLIBURTON - Hobbs

EPA TRIP

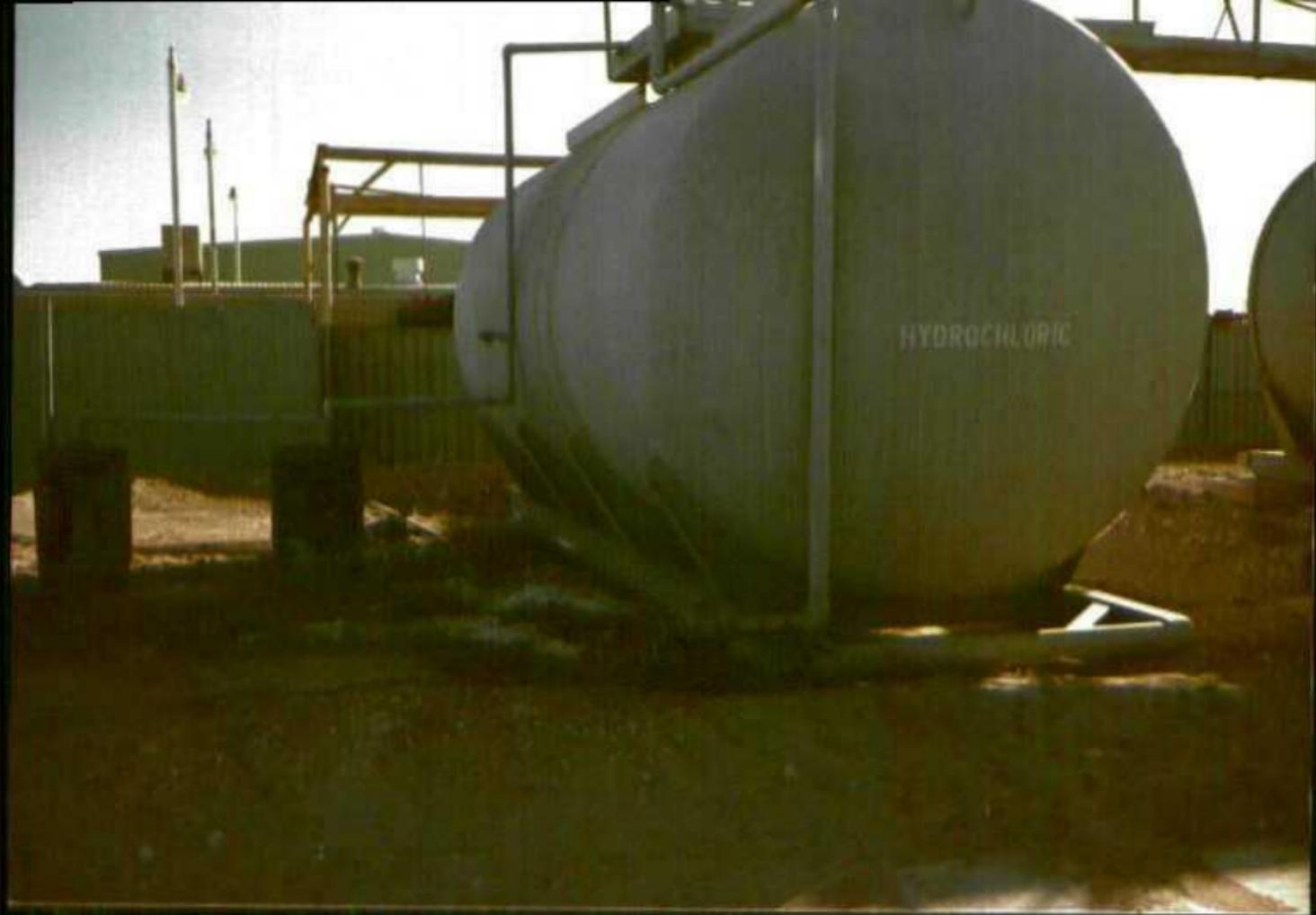
3/25/88



HALLIBURTON - Hobbs

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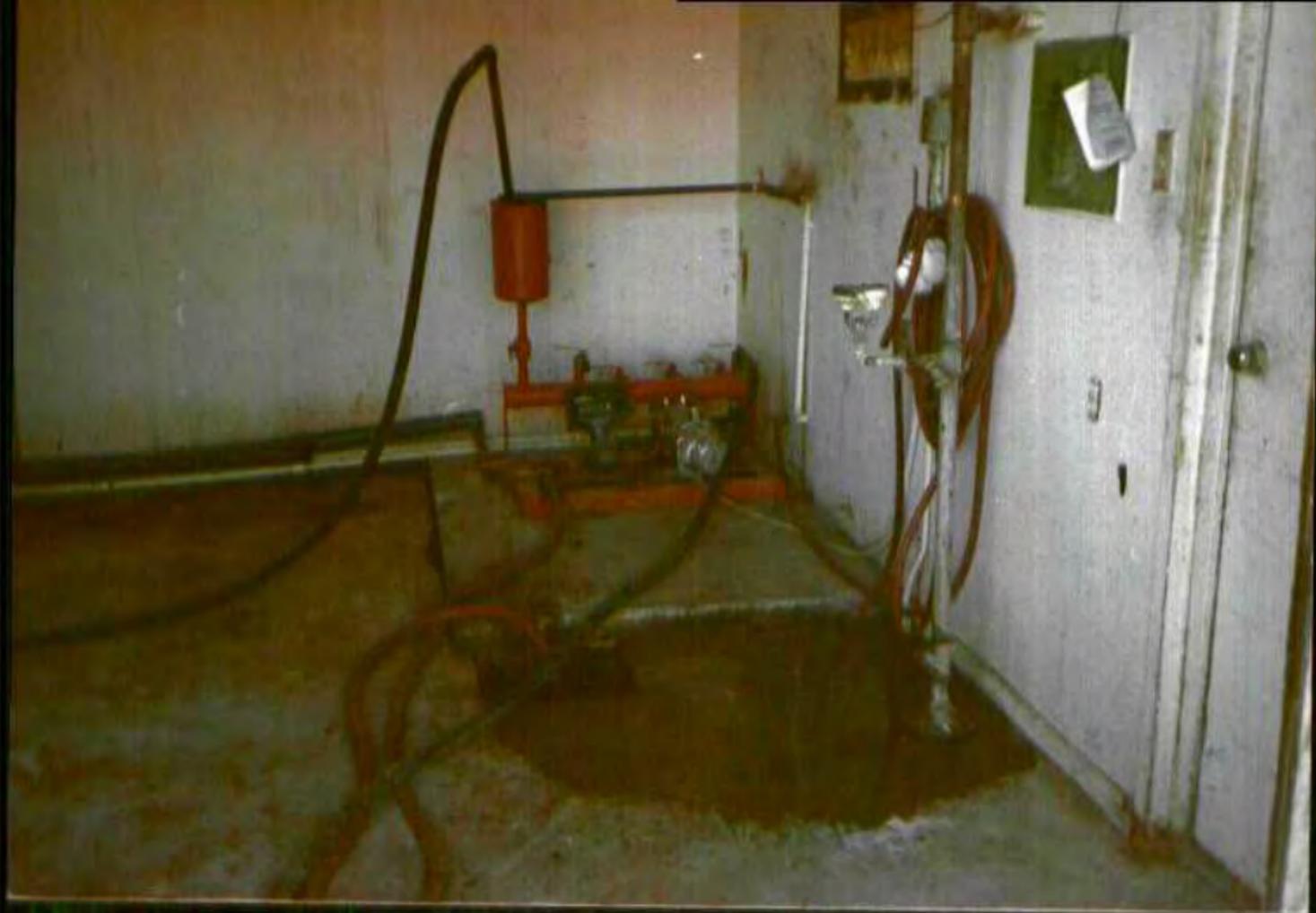
3/25/88



HALLIBURTON - Hobbs

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HALLIBURTON - Hobbs

EPA TRIP

3/25/88

STATEMENT OF PUBLICATION

State of New Mexico,
County of Lea.

Kathi Searden

Publisher

The Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, not a supplement thereof for a period of 3

_____ week(s).

beginning with the issue dated January 14, 2003

ending with the issue dated January 16, 2003

Kathi Searden
Publisher

signed and subscribed to before

his 16 day of

January
2003
Kathi Searden
Publisher

Commission expires December 18, 2004

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1901, and payment of fees for publication has been made.

Legal Notice

January 14, 15, 16, 2003

(GW-074)-Halliburton Energy Services, Stephen Bailey, (505) 392-0701, 5801 Lovington Highway, Hobbs, New Mexico 88240, has submitted a discharge application for renewal of its previously approved discharge plan for the Hobbs Facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at an OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 300 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed. The Oil Conservation Division, of the New Mexico Energy, Minerals, and Natural Resources Department will accept comments and statements of interest parties regarding the application and will create a facility-specific mailing list for persons who wish to receive future notices. Interested parties may contact Jack Ford.

Jack Ford
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501
505-476-3340

La Notificacion Legal

(GW-074)-los servicios de la energia de Halliburton, Stephen Bailey, (505) 392-0701, carretera de 5801 Lovington, Hobbs, Nuevo México 88240, han sometido una aplicacion de descarga para la renovacion de su plan previamente aprobado de descarga para la facilidad de Hobbs situada en la seccion 7, township 18 del sur, se extienden 38 del este, NMPM, condado de Lea, Nuevo México. Todas las basuras generadas seran almacenadas en recipientes superiores cerrados antes de la disposicion del offsite o el reciclaje en un sitio aprobado OCD. El agua subteranea que sera afectada en el acontecimiento de una descarga accidental esta muy probablemente en una profundidad de aproximadamente 30 pies con una concentracion disuelta total de los solidos de aproximadamente 300 mg/l. Las direcciones del plan de la descarga como los derramamientos, los escapes, y otras descargas accidentales a la superficie seran manejados. La division de la conservacion del aceite, de la energia de Nuevo México, los minerales, y el departamento de los recursos naturales aceptaran comentarios y declaraciones por parte de los partidos interesados con respecto a la aplicacion y crearan una lista que envia facilidad-especifica para las personas que desean recibir los avisos futuros. Los partidos interesados pueden entrar en contacto con Jack Ford.

Jack Ford
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501
505-476-3440

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Jack Ford
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501
505-476-3440

Mr. Jack Ford,

Here is a copy of the Notice that we put in the Hobbs Sun Paper for your files. If there is anything else you need please contact me.

Thank You,

Stephen W. Bailey
Halliburton Energy Services
5801 Lovington Hwy
Hobbs, NM 88240
505-392-0701

A handwritten signature in cursive script that reads "Stephen W. Bailey". The signature is written in black ink and is positioned to the right of the typed name and address.

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 12/3/02,

or cash received on _____ in the amount of \$ 1,800.00

from Halliburton Energy Services

for Hobbs Service Facility GW-074

Submitted by: [Signature] Date: 12-11-02

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee New Facility Renewal

Modification Other (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment or Annual Increment

HALLIBURTON ENERGY SVC ELAINA ROSS 5801 N LOVINGTON HWY. HOBBS, MN 88240		56-194/422	[redacted]
		DATE <u>12-3-02</u>	
Pay to the order of	<u>NMED-Water Quality Management \$ 1800.00</u>		
	<u>Eighteen hundred and ^{xx}/₁₀₀</u>		 Security Features include Details on Back.
citibank®			
CITIBANK USA, N.A. PAYABLE THROUGH FIRSTAR BANK CINCINNATI, OHIO 45150			
<u>Filing Fee, Renewal plan</u>		<u>Elaina Ross</u>	MP
[redacted]			

HALLIBURTON

4000 NORTH BIG SPRING, SUITE 200 • MIDLAND, TX 79705
PHONE 915.682.4305 • FAX 915.686.7616

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
P.O. Box 2088 2040 South Pacheco
Santa Fe, NM 87501

December 6, 2002

Attn: Jack Ford

RE: GW-074 Discharge Plan
Hobbs Service Facility

Dear Mr. Ford,

Attached to this letter are two copies of Halliburton's application for a Discharge Plan as per the WQCC Regulations.

A single check is enclosed for the \$100 filing fee and \$1700 covering the flat fee for service companies.

I have also included the approved modification from May as we have not made any changes since that plan was submitted. In that plan we noted our Baroid Warehouse located at 401E. Ave. R, Lovington, NM and a tool shop located at 3311 Industrial Drive in Hobbs, NM. Both of these facilities produce typical office waste (paper, cardboard, pallets, sacks) and have no permittable discharges from the facilities other than federal storm water permits. Please cover these facilities under the Hobbs Discharge Plan.

If any questions arise I will be the contact.

Once again I want to thank you for your help and patience.

Sincerely



Dan Coulson
HSE Technical Professional

P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505)748-1283
811 S. First
Artesia, New Mexico 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department

Oil Conservation Division
Santa Fe, New Mexico 87505
(505)827-7131

Submit Original
Plus 1 Copy
To Santa Fe
1 Copy to Appropriate
District Office

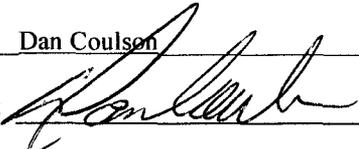
DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,
GAS PLANTS, REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS
(Refer to the OCD Guidelines for assistance in completing the application)

New Renewal Modification

1. Type: Oil Service Facility
2. Operator: Halliburton Energy Services, Inc.
Address: 5801 Lovington Hwy.
Contact Person: Stephen Bailey Phone: (505) 392-0701
3. Location: /4 /4 Section: 7 Township: 18S Range: 39 East NMPM
Submit large-scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site. **NO CHANGE**
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. **(See attached Excel Spreadsheet)**
6. Attach a description of all materials stored or used at the facility. **(See attached Excel Spreadsheet)**
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste. **(See attached Excel Spreadsheet)**
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
(See attached Excel Spreadsheet)
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
NO CHANGE
10. Attach a routine inspection and maintenance plan to ensure permit compliance. **NO CHANGE**
11. Attach a contingency plan for reporting and clean-up of spills or releases. **NO CHANGE**
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. **NO CHANGE**
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations, and/or orders. **NO CHANGE**
14. CERTIFICATION

I hereby certify that the information submitted, with this application is true and correct to the best of my knowledge and belief.

NAME: Dan Coulson Title: HSE Technical Professional

Signature:  Date: 12/6/2002

Part 6
DISCHARGE PLAN APPLICATION

HALLIBURTON ENERGY SERVICES
5801 LOVINGTON HWY.
HOBBS, NEW MEXICO 88240

Part VI. Form (optional)

Materials stored or used at the facility - for each category of material listed below provide information on the general composition of the material or specific information (including brand names if requested) whether a solid or liquid, type of container, estimated volume stored and location. Submit MSDS information for chemicals as requested. Use of this form is optional, but the information requested must be provided.

Name	General Makeup or specific Brand name (if requested)	Solids (S) or Liquids (L)	Type of container (tank, drum, etc.)	Estimated Vol. Stored	Location (Yard, Shop, Drum Stor., etc.)
1. Drilling Fluids (include general makeup & types special additives, e.g. oil, chrome, etc.)	Not Applicable				
2. Brines (KCL, NaCL, etc.)	Kcl-powder/dry Salt-dry	Solid Solid	Sack Sack/Silo	10000 lbs 130,000 lbs.	Warehouse Warehouse/bulk plant
3. Acids/Caustic (provide names & MSDS sheets)	Hydrochloric Acid Acetic Acid	(L) (L)	Tanks Tank	50,000 gal 10,000 gal	Acid Plant Acid Plant
4. Detergents/Soaps	QR-30	(L)	Tank	300 gal	Washrack
5. Solvents & Degreasers (Provide names & MSDS sheets)	Not Applicable				
6. Paraffin Treatment/emulsion Breakers (Provide names & MSDS sheets)	Numerous Chem.	(L)	Drum/Sack	Varies	Drum Storage Bulk Plant stor.
7. Biocides (Provide name & MSDS sheets)	BE-5	(L)	6 lb. jug	600 lbs.	Bulk Plant stor.
8. Others - (include other liquids & solids, e.g. cement, sand, etc.)	Cement Types Hydraulic and Engine Oils LGC-Liquid Gel Concentrate Sodium Silicate Nitrogen Salt Gilsonite Benonite	(S) (L) (L) (L) (L) (S) (S) (S)	Tank Tank Tank Tank Tank Tank Tank Tank Tank	Varies 1500 gal 8000 gal. 10,000 gal. 1,000,000 scf 1800 sacks 1800 sacks 1800 sacks	Bulk Plant Shop & Washrack Acid Plant Acid Plant Acid Plant Bulk Plant Bulk Plant Bulk Plant

Halliburton Energy Services

Facility Inventory

5801 Lovington Hwy
Hobbs, NM

Chemical Name	Health	Flammability	Reactive	Special	Storage Area	PURPOSE
19-N	3	3	0	none	Drum Storage/Acid Plant	NE Agent
ACFRAC PROP/SAND					Warehouse	Sand
Adomite Aqua Regain	1	0	0	none	Warehouse	Fluid Loss Frac
AF-61	2	1	0	NONE	Drum Storage/Acid Plant	EMULSIFIER
ALCHEK					WAREHOUSE	BUFFER
Ammon. Bi-Floride	3	0	0	Lab	Lab	HF Acid add.
Ammon. Bicarbonate				Lab	Lab	
Ammon. Chloride						Clay Fix Mat.
Ammon. Hydroxide				Lab	Lab	
Ammon. Molybdate						
Ammon. Persulfate	1	1	3	Oxidizer	Warehouse	Breaker
ANHIB II INHIBITOR	2	3	0	none	Acid Plant	Corrosion Inhibitor
Antifreeze	1	1	0	none	shop	coolant
AS-5	3	3	0	none	Drum Storage/Acid Plant	Anti-Sludge Agt.
AS-9	2	1	0	none	Drum Storage/Acid Plant	Anti-Sludge Agent
B12	2	3	0	none	shop	solvent
BA-2	2	0	2	none	Warehouse	pH buffer
BA-20	2	1	1	none	Drum Storage/Acid Plant	Buffer
BA-40L					DRUM STORAGE	BUFFER
Barite	0	0	0			Weighting Material
Barium Chloride	1	0	0	Lab	Lab	Sulfate indicator
BC-2	1	1		none	Drum Storage/Acid Plant	crosslinker, agent
BE-3S	3	1	0	none	warehouse	Bacteriacide
BE-5	3	1	0	none	Warehouse	Bacteriacide
Bendix Air Guard	1	3	0	none	shop	methyl alcohol
Bengum	2	1	0			Conformance
Bentonite	1	0	0	Lab	Bulk Plant	Cement Gel
BF-1	3	0	0		Warehouse	Buffer
Boric Acid						
Brake Clean	3	1	1	none	shop	solvent
Buffer Solution 4-10	0	0	0	Lab	Lab	pH Meter cal.
Cal-Seal 60	0	0	0	none	Bulk Plant	Cement Additive
Calcium Carbonate	1	0	0	Lab	Lab	Marble Chips
Calcium Chloride	1	0	0	none	Bulk Plant	Cmt Accelerator
CAT-3 ACT	2	1	1	none	Drum Storage/Acid Plant	Activator
CAUSTIC SODA						
CE-1	1	2	0		Lab	
CEMENT-C-H-TYPE 3					Bulk Plant	
CFR-3	1	0	0	none	Bulk Plant	Cmt. Fric Reducer
CL-11	2	3	1	none	Drum Storage/Acid Plant	cross linker
CL-22	2	3	1			cross linker
CL-23	1	1	1	none	Drum Storage/Acid Plant	cross linker
CL-28M						
CL-29	2	0	0	none	Drum Storage	cross linker
CL-31	3	0	1	corrosive	Drum Storage	cross linker
Cla-Sta XP	1	0	0	none	Drum Storage/Acid Plant	Clay Stabilizer
Clay Fix II	3	1	1	none	Drum Storage/Acid Plant	Clay Stabilizer
CRA-78M ACID RT	1	3	0	none	Acid Plant	ACID,RETARDER

Part 6A

D-230	2	0	0			Scale Converter
D-Air 1	0	1	0	none	Bulk Plant	defoamer
Depersa--49					Bulk Plant	
Dexron 111 Mercon	1	1	0	none	shop	lubricant
Diacel-FL						Fluid Loss
Diesel	1	2	0		Lab and Fuel Tanks on Trucks	
Dual Spacer E	1	0	0			Spaces Flush
Econolite	0	0	0	none	Bulk Plant	Cmt Extender
EDTA Acid	1	0	0	Lab	Warehouse	
Enwar-288	1	3	0	none	Drum Storage/Acid Plant	Surfactant
F-10	1	0	0	none	shop	alkaline detergent
Fci 5000 15w40	1	1	0	none	shop	lubricant
Fcimulti-duty grease	1	1	0	none	shop	grease
FDP-547					WAREHOUSE	CROSSLINKER
FE-1A	2	2	1	water reactiv	Drum Storage/Acid Plant	Iron Control
FE-2A	1	1	0		Drum Storage/Acid Plant	Iron Control
FE-3A Iron Sequ	1	0	0	none	Warehouse	Iron,Control,Agent
FE-5A	3	0	0	none	Drum Storage/Acid Plant	reducing agent
Ferchek	1	1	1			Iron Control
Ferchek-A	0	0	0	none	Drum Storage/Acid Plant	Iron Control
Ferric Chloride	2	0	0	Lab	Lab	Iron
Ferric Chloride	2	0	0			Iron Solution
Ferrous Iron				Lab	Lab	Iron
FloBloc-210	1	0	0			Cmt Additive
Flocele	1	0	0	none	Bulk Plant	lost circulation activi
FLOCHEK						
FR-28LC	1	1	0	none	Acid Plant	Friction.Reducer
Freon 22	2	0	0	none	shop	cooling agent
Gamanase	1	1	0			Enzyme
Gasket Remover	2	4	0	none	shop	remover
Gasstop	1	1	1	none	Bulk Plant	as.Migration.Cement
GBW-3	1	1	0	Lab	Warehouse	Breaker
GBW-30	1	1	0	none	Warehouse	Breaker
Gilsonite	0	1	1	none	Bulk Plant	Lost Circulation
GL-5 80w90	1	1	0	none	shop	lubricant
GL-5 85w140	1	1	0	none	shop	lubricant
Glacial Acetic Acid				Lab	Lab	
Glycerene 99%				Lab	Lab	
Glycolic Acid				Lab	Lab	
Grease Magneto						HPHT Grease
Gypsol	0	0	0	Lab	Lab	Scale Converter
HAI-81M	2	3	0	none	Drum Storage/Acid Plant	Corrosive Inhibitor
HAI-85M	4	3	0	none	Drum Storage/Acid Plant	Corrosive Inhibitor
Halad-322	0	0	0	none	Bulk Plant	Fluid Loss/Cement
Halad-344	3	1	0	none	Bulk Plant	Fluid Loss/Cement
Halad-447					Bulk Plant	Fluid Loss/Cement
Halad-9	0	0	0	none	Bulk Plant	Fluid Loss/Cement
HC-2	2	1	0	none	Drum Storage/Acid Plant	Foamer/Surfact
Heavy Duty Glass Cleane	2	4	0	none	shop	glass cleaner
HF Acid	4	0	0		Lab	
HII-124 B	2	0	1			Intensifier
HII-124 C	1	0	0	none	Warehouse	Intensifier
HR-5	1	0	0	none	Bulk Plant	Cmt Retarder
HR-7	0	1	0	none	Bulk Plant	Cmt Retarder
Hydrochloric Acid Neat	3	0	1	CORROSIVI	Drum Storage/Acid Plant	SOLVENT
Hydrogen Peroxide 30%				Lab	Lab	

Part 6A

Hydroxy Napthanol Blue				Lab	Lab	
Hyflo IV M	2	3	0	none	Drum Storage/Acid Plant	Oil Surfactant
HYG-3	1	1	0	none	Warehouse	Acid Buffer
Injectrol A (Flocheck)	1	0	0	none	Drum Storage/Acid Plant	Resin
Isopropanol Anhydrous				Lab	Lab	
Jhn Std Brake fluid	1	1	0	none	shop	brake fluid
Joe's all purpose hand cle	0	0	0	none	shop	hand cleaner
K-34	0	0	0	none	Warehouse	Oil Breaker/Buffer
K-35	2	0	0			Buffer
K-38	1	0	0	none	Warehouse	pH Buffer
Kar RTV Silicone	2	0	0	none	shop	silicone
KCL, Potassium Chloride	1	0	0	none	Bulk Plant	Clay Control
Lap-1	0	2	0	none	Bulk Plant	Cmt Fluid Loss
LGC-IV	2	2	1	none	LGC TANK/PLANT	Liquid Gel Contr
Lime	0	0	0	none	Warehouse	Component
Losurf-259	3	3	0	none	Drum Storage/Acid Plant	Surfactant
Losurf-300	1	4	0	none	Drum Storage/Acid Plant	Nonemulsifier
LP-55	1	1	0		Drum Storage/Acid Plant	Scale Surfactant
M-P Lithium EP-2	1	1	0	none	shop	grease
Magnesium Chloride Matrix	1	0	0	Lab	Lab	Cement
Methanol				Lab	Drum Storage/Acid Plant	
Methyl Blue				Lab	Lab	
Methyl Purple Indicator				Lab	Lab	
MF-1 (SAPP)	0	0	0	none	Warehouse	thinner
Micro Fly Ash	1	0	0	none	Bulk Plant	Cement Additive
Micro Matrix	1	0	0	none	Bulk Plant	Cement
Mircobond	1	0	0	none	Bulk Plant	Expansive Additive
MO-67	3	0	1	none	Drum Storage/Acid Plant	PH Control
MO-75	1	0	0	none	Drum Storage/Acid Plant	My-T-Oil Gel
MO-76	2	3	0	none	Drum Storage/Acid Plant	My-T-Oil Gel
MORFLO III	2	3	0	none	Drum Storage/Acid Plant	Surfactant
MSA II Inhibitor	2	0	0	none	Drum Storage/Acid Plant	Inhibitor
Musol-A	2	2	0	Lab	Drum Storage/Acid Plant	Mutual Solvent
Nitric Acid	3	0	3	Lab	Lab	
Oil Absorbent	0	0	0	none	shop	absorbent
One-Stroke	3	1	0	none	shop	gasket remover
Optiflo II	1	0	3			Delayed Breaker
Optiflo III	1	0	3	Oxidizer		Delayed Breaker
Optiflo-HTE	1	1	0	none	Acid Plant/Drum Storage	Delayed Breaker
Optiflo-LT	1	0	0	none	Warehouse	Delayed Breaker
Oxalic Acid				Lab	Lab	
OXOL II						
Parachek-140	2	2	0			Paraffin Inhibitor
Parasperse	3	3	0	none	Drum Storage/Acid Plant	Paraffin.Dispersant
PEN -88M	2	2	0		55 GALLONS DRUM	High Temp Surfact
Petroleum Ether						
Potassium Chloride Sol	1	0	0	Lab	Lab	
Potassium Ferricyanid	1	0	1	Lab	Lab	TA-1 Iron Indicator
Potassium Ferricyanide	1	0	1	Lab	Lab	
Potassium Hydroxide				Lab	Lab	
Pozmix (Fly Ash)	1	0	0	none	Bulk Plant	light weight cmt.add
Premium	0	0	0	none	Bulk Plant	Cement
Premium Plus	1	0	0	none	Bulk Plant	Cement
Safety-Kleen Pre-solvent	1	1	0	none	shop	solvent
Salt (cement)	0	0	0	none	Bulk Plant	Cement Additive

Part 6A

Sand Acfrac CR-5000	1	0	0			
Sand Brown	1	0	0	none	Bulk Plant	proppant
Sand Carbo-Lite	1	0	0			
Sand Interprop Plus	0	0	0			
Sand Super LC	1	0	0	none	Warehouse	
Sand Tempered HS	1	0	0			
Sand White 20/40	1	0	0	none	Bulk Plant	proppant
Sand - Brown-20/40.Mest	1	0	0	none	BULK	PROPPANT
Sand Clemtex #3	1	0	0	none	Bulk Plant	sand blast
Sand-Brady-12/20 & 20/40	1	0	0	none	warehouse	Propping.Agent
Sand-Brady-60/140	1	0	0	none	warehouse	Propping.Agent
SCA-130	3	3	0		Drum Storage/Acid Plant	Inhibitor
Scalechek LP-55	1	1	0	none	drum storage/acid dock	SCALE,PREV
SCR-100	0	0	0			Cmt Retarder
SGA-1	3	2	0	none	Drum Storage/Acid Plant	Acid Gel Agent
SGA-II	1	1	0	none	Drum Storage/Acid Plant	Acid Gel Agent
SGA-III					DRUM STORAGE	ACID GEL AGENT
Silicalite	0	0	0	none	Bulk Plant	Light weight add.
Silicalite 50/50 w/Poz	0	0	0			Light weight add.
SILICA FUME						
Silver Nitrate	3	3	0	Lab	Lab	
Silver Nitrate(solution)	3	3	0	Lab	Lab	
Sodium Chromate				Lab	Lab	
Sodium Hydroxide				Lab	Drum Storage/Acid Plant	Acid Titration
Sodium Persulfate SP	1	0	1	none	Warehouse	SP Breaker
Spacer Mix	0	1	0			Cement Spacer
Spacer Sperse	0	1	0			Cement Spacer
Sperse All	3	3	0			
Spherelite	1	0	0			Light weight add.
SSA-1	1	0	0			Silica Four
SSA-2 100 mesh	1	0	0			Silica Sand
SSO-21M Winterized	1	3	0	none	drum storage/acid dock	Aqueous.Foaming
Stabilizer 434 B	1	1	0			Latex cmt stablizer
Standard Fine Cement	1	0	0	none	Bulk Plant	CEMENT
Starting Fluid	1	4	0	none	shop	starting fluid
Strata Bond Activator	1	3	1			Frac Sand Add.
Summit Syngear	1	1	0	none	shop	synthetic hydrocarb
Super CBL	0	1	0			Cement Additive
Superset-O Actv.	2	2	1	NONE	Warehouse	ACTIVATOR
Superset-W Actv.	1	3	0	NONE	Warehouse	Resin Sand Act.
TBA 110/SALT	0	0	0	NONE	WAREHOUSE	diverting agent
Thix-Set Comp A	0	0	0	NONE	Bulk Plant	Thixotropic
Thix-Set Comp B	0	0	0		Bulk Plant	Thixotropic
TLC-80	2	1	0	NONE	Warehouse	Diverter
Tolulene					Lab	
Trimethylpentane				Lab	Lab	
Turbiso 100	1	1	0	none	shop	lubricant
Universal 15w 40	1	1	0	none	shop	lubricant
Universal 30	1	1	0	none	shop	lubricant
Versas--99					Warehouse	
Versaset						Thixotropic Powder
Versaset L	3	0	0			Thixotropic Liquid
Vicon HT	1	1	1	Oxidizer		
Viscosifier 197	0	0	0			Cement Spacer
VLT Breaker	1	1	0	Lab	Warehouse	Breaker
Wac-9	1	0	0	NONE	Warehouse	Fluid Loss/Frac

WBS-200	3	1	0
WD-40			
WG-11	1	0	0
WG-17	0	0	0
WG-18	1	1	0
WG-22	1	0	0
WLC-4	0	1	0
WLC-6	1	0	0
WS-36	1	1	0
XL-1 Acid X-link	2	0	0
Xylene			

Part 6A

	Shop
NONE	Bulk Plant
NONE	Warehouse
NONE	Drum Storage/Acid Plant
NONE	Drum Storage/Acid Plant
	Lab

Well Bore Stabilizer

Water Gel Agent
Fluid Loss/Frac
Water Gel Agent
Acid Gel X-Linker

N/A							
200 LBS	X			x			
1,100 lbs							
300 GAL	x	x	x		x	x	
2,000 LBS							
1,500 GAL							
N/A							
7500 LBS	x	x		x	x		x
N/A							
10 GAL	x	x		x	x		x
N/A	x			x	x		
600 GAL	x	x		x			
N/A	x	x		x			
100 gal							
2000 GAL	x	x	x	x	x		x
550 GAL	x	x	x	x			
2,000 lbs	x	x		x	x		x
110 GAL	x	x		x	x		x
110 LBS							
250 LBS	x	x		x	x		x
LAB QTY							
LAB QTY							
LAB QTY							
N/A							
7,000 LBS	x	x					
4000 GAL							
5 GAL	x	x		x	x		x
N/A	x	x		x			
N/A							
6 CANS	x	x		x			
500 lbs	x				x		
5 LBS							
150 LBS	x				x		
100,000 lbs	x				x		
250 GAL	x	x		x		x	x
250 GAL	x	x		x		x	x
LAB QTY							
LAB QTY							
LAB QTY							
120 LBS							
LAB QTY							
500 GAL	x	x		x	x	x	x
110 GAL	x	x	x	x	x	x	x
7,000 LBS	x				x		
1,500 LBS	x				x		
300 LBS							
3500 LBS	x				x		
330 gal	x	x		x	x		x
20 cans	x	x		x			
LAB QTY							
15 LBS							
150 LBS	x	x		x	x		
820 LBS	x				x		
N/A	x				x		
15,000 GAL	x	x	x	x	x		x
N/A							

LAB QTY

165 GAL	x	x	x	x	x	x
100 LBS	x	x	x	x		x
5,000 LBS	x	x	x			x
55 GAL						
1 GAL	x	x	x	x		
20 BOTTLES						
6000 LBS	x	x		x		
50 LBS						
600 LBS	x	x		x		
10 TUBES	x	x	x			
20,000 LBS	x			x		
4000 LBS	x	x		x		

1,500 GAL

800 LBS	x	x	x	x	x	x
85 GAL	x	x	x	x	x	x
700 GAL	x	x	x	x		x
30 GAL	x	x	x	x		
100 TUBES	x	x	x	x	x	

LAB QTY

N/A

N/A

LAB QTY

LAB QTY

5,000 LBS	x			x		
3,500 LBS	x			x		
150 SKS	x			x		x
12,000 LBS	X	X		x		
600 GAL	x	x	x	x		X
330 GAL	x	x		x		x
330 GAL	x	x		x	x	x
600 GAL	x	x		x		X
60 GAL	x	x		x	x	x
165 GAL	x	x	x	x		

LAB QTY

1,000 LBS

10 CANS	x	x		x		
100 LBS						
50 LBS						
100 LBS	X	X		X	x	x
100 LBS	X	X		x		X
1155 LBS						
11,000 lbs						
15 GAL	x	x	x	x		
135 GAL	x	x		x		x
80 GAL	X	X		X		

70 BOTTLES

LAB QTY

LAB QTY

LAB QTY

LAB QTY

150,000 LBS	x			x		
150,000 LBS	x			x		
150,000 LBS	x			x		
30 GAL	x	x		x	x	x
95,000 LBS	x			x		

500 LBS

x x

N/A

N/A

5,000 LBS

x x x x x x

N/A

1,000 SKS

X X

1,500 SKS

X x

60 SKS

X x

2,500 SKS

X

60 SKS

x

110 GAL

x x x x

55 GAL

X X X x x

N/A

102 GAL

x x x x x

165 GAL

x x x x x

110 GAL

250 LBS

x x

N/A

2,000 LBS

LAB QTY

LAB QTY

LAB QTY

600 GAL

x x

400 LBS

X X X x

N/A

N/A

N/A

x x x x

N/A

N/A

N/A

110 GAL

x x x x x x

N/A

x x x x

60,000 LBS

x x

70 CANS

x

N/A

x x x x

200 GAL

x x x x

N/A

10 GAL

X X X X X X

130 GAL

X X X X X X

SAME AS SALT

X X X X

150 LBS

X X X X

N/A

N/A

X X X X X X

LAB QTY

LAB QTY

20 GAL

x x x x x

600 GAL

x x x x x

N/A

x x x x x

500 LBS

N/A

N/A

N/A

N/A

1,155 LBS

x x x x x

2450 LBS

X X X

N/A			
20 CANS			
500 LBS			
585 LBS	X	X	
N/A	X		X
4950 LBS	X	X	X
1,000 LBS	X	X	
1,500 LBS	X	X	X
55 GAL	x	x	x
110 GAL	x	x	x
LAB QTY			

Part 7
DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VII. Form (Optional)

Sources and Quantities of Effluent and Waste Solids Generated at the Facility - For each source include types of effluents (e.g. salt water, hydrocarbons, sewage, etc.), estimated quantities in barrels or gallons per month, and type and volumes of major additives (e.g. acids, biocides, detergents, degreasers, etc.). Use of this form is optional, but the information requested must be provided.

Waste Type	General Composition and Source (solvents from small parts cleaning, oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
1. Truck Wastes (Describe types of original contents trucked (e.g. brine, produced water, drilling fluids, etc.)	N/A		
2. Truck, Tank & Drum washing	Washrack water with oils from dumps, engines and hoses	100,000 gal/ month. Total water effluent	Soap in washrack rinsate.
3. Steam Cleaning of small parts Steam Cleaning of tool parts	Grease and oil from truck parts	1000 gal 1000 gal.	Soap Soap
4. Solvent/Degreaser Use	Not Applicable		
5. Spent Acid, Caustics, or Completion Fluids (Describe)	Acid Residue, Brought back from jobs. Neutralized when returned to the facility	5000 gal	HCL - Neutralized
6. Waste Shop Oil	Not Applicable		
7. Waste Lubrication and Motor Oils	Oil from trucks	200 gal/per month	Motor oil, gear oil, hyd oil
8. Oil Filters	Oil filters from trucks and engines	2-55 gal/per month	
9. Solids and Sludge from tanks (describe types of materials, e.g. crude oil tank bottoms, sand, ect.)	Washrack Grit	8000 gal/month	
10. Painting Waste	Not Applicable		

Part 7

<p>11. Sewage (Indicate if other wastes mixed with sewage; if no commingling, domestic sewage under jurisdiction of the NMEID)</p>	<p>Truck Washing effluent is mixed the sewage. Neutralized Acid Residue is mixed with sewage.</p>	<p>100,000 gal 5000 gal</p>	<p>Neutralized hcl acid to ph 6 to 9</p>
<p>12. Other waste Liquids</p>	<p>Not Applicable</p>		
<p>13. Other waste Solids (cement, construction materials, used drums) Pallets, boxes, office trash</p>	<p>Waste Cement Empty Drums</p>	<p>1000 sacks per month 90 drums/per month</p>	<p>Cement Chemical Residue only</p>

DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VIII. Form (Optional)

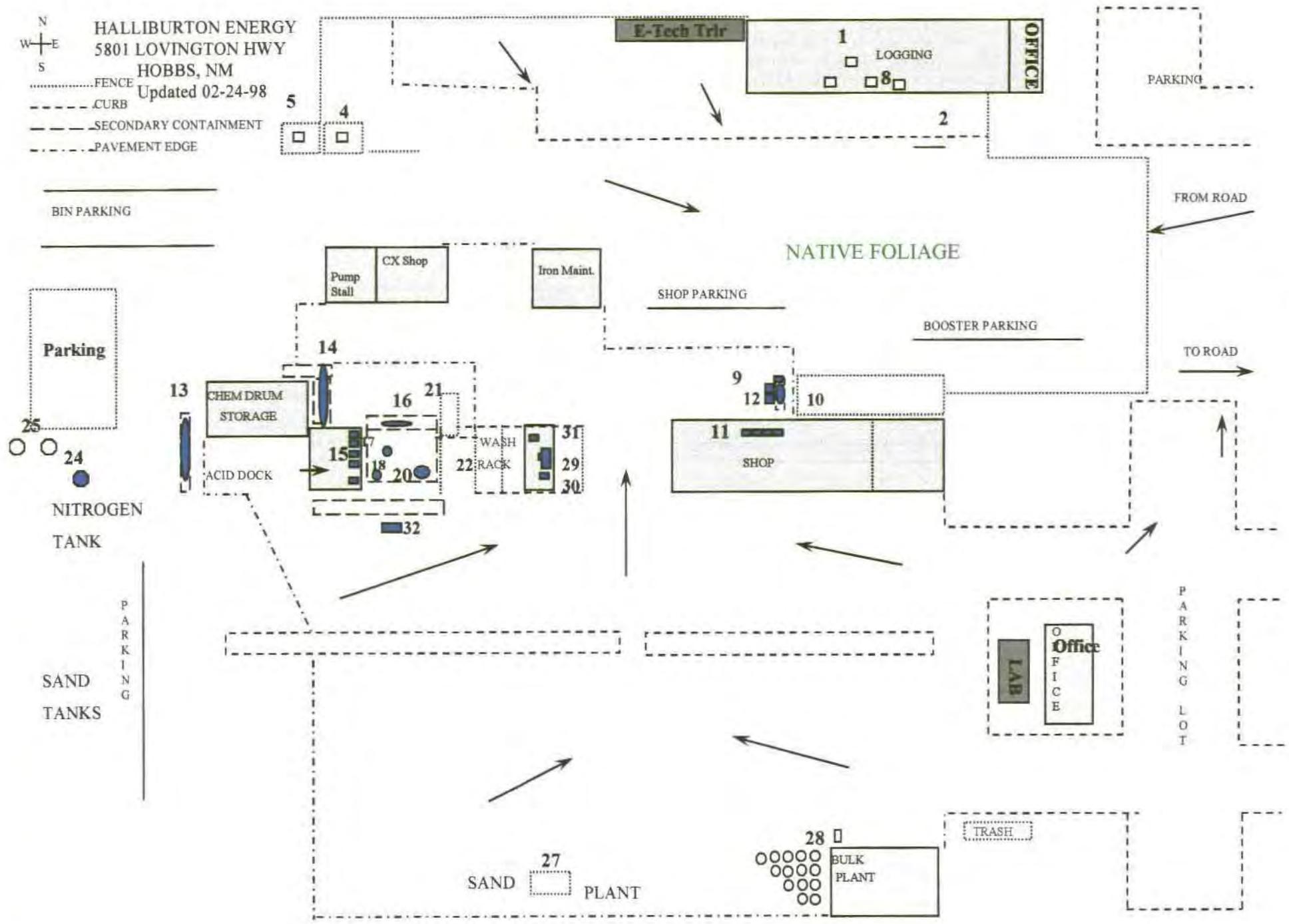
Summary Description of Existing Liquid and Solids Waste Collection and Disposal - For each waste type listed in Part VII, provide summary information about onsite collection and disposal systems. Information on basic construction features, specific descriptions, and wastewater schematics should be provided as required in the guidelines. The use of this form is optional, but the summary information requested must be provided.

Waste Type	Tank (T) Drum (D)	Floor Drain (F) Sump (S)	Pits Lined (L) Unlined (U)	Onsite injection Well	Leach Field	Offsite Disposal
1. Truck Wastes		Sump				Sundance
2. Truck, tank and drum washing	Truck	Floor				City Sewer
3. Steam cleaning of parts, equip., tank	Drum					None
Steam cleaning tools	Drum	Sump				Solids/Sundance Liquids/City
4. Solvent/Degreaser Use	N/A					
5. Neutralized Acids, Caustics, Residues, Completion Fluids	Truck	Sump	Lined			City Sewer
6. Waste Shop oil	Tank					ProCycle
7. Waste Lubrication and Motor Oils	Tank					ProCycle
8. Oil Filters	Drum					ProCycle
9. Solids and Sludges from tanks		Sump				Sundance
10. Painting Wastes	N/A					
11. Sewage						City of Hobbs
12. Other Waste Liquids						City Sewer
13. Other Waste Solids						City landfill

**HALLIBURTON ENERGY SERVICES
5801 LOVINGTON HWY
HOBBS, NM 88240
SITE MAP INDEX-UPDATED 2-12-02**

1. **3ea. Day Magazines Type 2**
2. **Radioactive Source Storage**
3. **R/A Densometer Storage**
4. **Explosive Magazine Type 1**
5. **Explosive Magazine Type 1**
8. **Day Magazine**
9. **Used Antifreeze, 2 ea 55 gal drums**
10. **Used Oil Filters, 2 ea 55 gal drums**
11. **Motor Oil, Hyd Oil, Gear Oil Storage**
12. **Used Oil storage**
13. **Injectoral-A, Sodium Silicate, 20,000 gal**
14. **HCL acid storage tank, 25,000 gal**
15. **Chemical Admix**
16. **FE-1A Storage tank, 9,000 gal**
17. **Chemical Return tank, 8,000 gal**
18. **Acid Blend Tank, 5,000 gal**
20. **HCL Acid Tank, 12,000 gal**
21. **Wash rack grit sump, oil/water separator**
24. **Nitrogen storage tank, 1,027,030 scf**
25. **Sand storage tanks**
27. **Sand Plant**
28. **Cement/Cement additive storage tanks**
29. **Motor oil, hyd oil, gear oil storage tanks**
30. **Wireline oil**
32. **LGC-IV storage tank, 8,000 gal.**

N
 W + E
 S
 HALLIBURTON ENERGY
 5801 LOVINGTON HWY
 HOBBS, NM
 Updated 02-24-98
 FENCE
 CURB
 SECONDARY CONTAINMENT
 PAVEMENT EDGE



BIN PARKING

Parking

NITROGEN TANK

SAND TANKS

PARKING

E-Tech Trlr

1 LOGGING

OFFICE

PARKING

NATIVE FOLIAGE

SHOP PARKING

BOOSTER PARKING

FROM ROAD

TO ROAD

13 CHEM DRUM STORAGE

ACID DOCK

14

Pump Stall CX Shop

Iron Maint.

15

16

21

WASH RACK

31

29

30

32

9

11 SHOP

12

10

LAB

Office

PARKING LOT

SAND PLANT

27

28 BULK PLANT

TRASH



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

November 20, 2002

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 9253

Mr. Mike Cornforth
Senior Environmental Coordinator
Halliburton Energy Services
P.O. Drawer 1431
Duncan, Oklahoma 73536-0108

RE: Discharge Plan Renewal Notice

Dear Mr. Cornforth:

Halliburton Energy Services has the following discharge plan, which expires early in the calendar year 2003.

GW-074 expires 1/27/2003 – Hobbs Service Facility

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 20NMAC 6.2.3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$100.00. After January 15, 2001 renewal discharge plans require a flat fee equal to \$1,700.00 which is the flat fee schedule for oil field service facilities pursuant to revised WQCC Regulations 20NMAC 6.2.3114. The \$100.00 filing fee is to be submitted with each discharge plan renewal application and is nonrefundable.

Mr. Mike Cornforth
November 20, 2002
Page 2

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office. Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Hobbs District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** A complete copy of the regulations is also available on NMED's website at www.nmenv.state.nm.us.

If any of the above-sited facilities no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If Halliburton Energy Services has any questions, please do not hesitate to contact Mr. Jack Ford at (505) 476-3489.

Sincerely,



Roger C. Anderson
Oil Conservation Division

RCA/wjf

cc: OCD Hobbs District Office

U.S. Postal Service	
CERTIFIED MAIL RECEIPT	
(Domestic Mail Only, No Insurance Coverage Provided)	
OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	20 2002
Total Postage & Fees	\$
Sent To	
87505 <i>Mr. Cornforth</i>	
Street, Apt. No.; or PO Box No. <i>Halliburton</i>	
City, State, ZIP+ 4 <i>610-074</i>	
PS Form 3800, January 2001	
See Reverse for Instructions	

5526 9629 3929 4000 0400 7002

To: State of New Mexico
Oil Conservation Department

From: Stephen W. Bailey
Halliburton Energy Services
5801 Lovington Hwy
Hobbs, NM. 88240

Re: Oilfield Trash

To whom it may concern, due to the changes that have come about in the handling of our Non-Hazardous Waste Streams other than Office trash. We can no longer allowed Waste Management to handle any our Non-Hazardous Oilfield Waste, other than Office Trash. We (Halliburton) are requesting that "CRI" handle the disposal our Non-Hazardous Waste Streams.

Sincerely,
Stephen W. Bailey, Halliburton Energy Services



505-392-0701

Ford, Jack

From: Stephen Bailey[SMTP:Stephen.Bailey@Halliburton.com]
Sent: Friday, February 23, 2001 1:08 PM
To: Jack Ford-OCD
Subject: Halliburton ~~Hobbs~~ & Artesia, Disposal Changes

To: Jack Ford

From: Stephen Bailey
Halliburton Energy Services

Re: Changes in Disposal of Oilfield Waste Streams for Hobbs and Artesia facilities

Mr. Jack Ford, This letter is to inform you that we are needing to make a change in where we dispose of our Oilfield Waste Streams. As you know there are certain waste streams that we can no longer send to a municipal landfill due to the fact that is related to the type of business that we are in.

These waste stream consist of cement, construction materials, 1 to 5 gallon buckets, broken pallets, hoses, gloves, rags, etc..

We are currently in the process of getting approval to allow CRI to dispose of these waste streams for the Hobbs and Artesia Halliburton Facilities. If you need any other information concerning this, please let me know and I will provide whatever you need.

Thank You,

Stephen Bailey
Shared Services Supervisor
Hobbs, NM
505-392-0701 Work

NMPRC Corporation Information Inquiry

New Search

Public Regulation Commission

8/22/2000

HALLIBURTON ENERGY SERVICES, INC.

(DELAWARE Corporation)

SCC Number: 0156711

Tax & Revenue Number: 01090350050

Qualification Date: JUNE 11, 1929, in NEW MEXICO

Corporation Type: IS A FOREIGN PROFIT

Corporation Status: IS ACTIVE

Good Standing: In GOOD STANDING through 3/15/2002

Purpose: OILFIELD SERVICING & SALES OF OILFIELD SUPPLIES

CORPORATION DATES

Taxable Year End Date: 12/31/99

Filing Date: 04/11/00

Expiration Date:

SUPPLEMENTAL POST MARK DATES

Supplemental: 09/17/97

Name Change: 02/25/97

Purpose Change:

MAILING ADDRESS

PO BOX 3 HOUSTON , TEXAS 77001-0003

PRINCIPAL ADDRESS

NEW MEXICO

PRINCIPAL ADDRESS (Outside New Mexico)

5151 SAN FELIPE HOUSTON TEXAS 77056

REGISTERED AGENT

C T CORPORATION SYSTEM

123 EAST MARCY SANTA FE NEW MEXICO 87501

Designation date: 04/11/00

Agent Post Mark Date:

Resignation date:

COOP LICENSE INFORMATION

Number:

Type:

Expiration Year:

OFFICERS

President *LESAR, DAVID J.*

Vice President *BLURTON, JERRY H.*

Secretary *GRISHAM, RICHARD B.*

Treasurer *BLURTON, JERRY H.*

DIRECTORS

Date Election of Directors: 04/11/00

CHENEY, RICHARD B 5151 SAN FELIPE HOUSTON , TX 77056

LESAR, DAVID J 5151 SAN FELIPE HOUSTON , TX 77056

ORTIZ, EDGAR 5151 SAN FELIPE HOUSTON , TX 77056



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87506
(505) 827-7131

June 23, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. 7-274-520-511

Mr. Steve Luscombe
Facility Coordinator
Halliburton Energy Services
5801 Lovington Hwy.
Hobbs, NM 88240

RE: Inspection Report
Waste Water Collection Sump
GW-074 - Halliburton Energy Services Facility

Dear Mr. Luscombe:

The New Mexico Oil Conservation Division (OCD) has received the Halliburton letter, dated June 16, 1999, requesting the addition of a 20,000 gallon above grade fresh water tank at the Halliburton facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. The Halliburton request does not require a minor modification to the above referenced discharge plan. In the course of inspection of the above described addition it was observed that the previously approved waste water sump contained substantial quantities of trash and water. This water was reported as rain water but requires removal from the sump. A permanent cover should be constructed covering the sump to prevent the continued potential of overflow on the ground surface.

The Application for modification was submitted pursuant to Water Quality Control Commission (WQCC) Regulation 3107.C and is approved pursuant to WQCC Regulation 3109.

Note, that OCD approval does not relieve Halliburton of liability should operation of the facility result in contamination of surface waters, ground waters or the environment.

If you have any questions please feel free to call me at (505)-827-7156.

Sincerely,

W. Jack Ford, C.P.G.
OCD Environmental Bureau

cc: Hobbs OCD District Office

Z 274 520 511

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		Steve Luscombe
Street & Number		Halliburton
Post Office, State, & ZIP Code		Abbeville
Postage		\$
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to Whom & Date Delivered		
Return Receipt Showing to Whom, Date, & Addressee's Address		
TOTAL Postage & Fees		\$
Postmark or Date		GW-074

PS Form 3800, April 1995

TO: New Mexico Oil Conservation Division
ATTN: Jack Ford
2040 S. Pacheco St.
Santa Fe, New Mexico 87505

Date: 16 Jun 1999

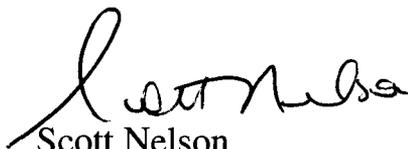
FR: Halliburton Energy Services
5801 Lovington Hwy
Hobbs, New Mexico 88240

JUN 21 1999

RE: Above ground storage tank

Jack,

Halliburton Energy Services, 5801 Lovington Hwy, Hobbs, NM 88240, is in the process of adding one above ground storage tank. This tank was transferred from a closed Halliburton facility in Snyder, Tx. Tank is a skid mount horizontal frac tank holding 20,000 gallons of liquid. The tank will be located approximately in the center of our facility on the ground. This tank will be utilized for testing of oilfield pumping equipment. Tank contents will be fresh water. Water will be circulated from tank to pumping equipment then back to tank. We will monitor water monthly in tank to ensure PH is between 6-9 and adjust PH level if necessary. If you have any questions, please feel free to call me at 505-392-0746.



Scott Nelson
Halliburton Energy Services
Hobbs, NM

Halliburton Energy Services
5801 Lovington Hwy.
Hobbs, New Mexico 88240

December 15, 1998

DEC 18

Mr. Jack Ford

New Mexico Oil Conservation Division
Environmental Bureau
2040 S. Pacheco
Santa Fe, New Mexico 87505

Dear Sir :

The purpose of this letter is to provide written notification of a minor spill that occurred on December 10, 1998 at the Halliburton Energy Services facility located at 5801 Lovington Hwy. Hobbs, New Mexico. Verbal notification was made to the Hobbs OCD office on 12-10-98. The spill consisted of 100 gallons of 7½ % hydrochloric acid solution containing 20 gallons of concentrated hydrochloric acid, and 80 gallons of fresh water. The spill was contained on the asphalt parking lot using absorbent booms. The acid solution was neutralized to a PH of 7 using 1250 pounds of soda ash and sodium bicarbonate. The absorbed acid and the neutralization agents were swept up and packaged in containment drums for shipment to our Duncan, Oklahoma disposal facility. The asphalt was then cleaned with approximately fifty gallons of fresh water, which was placed in the return tank at the acid loading facility. This water is to be used as mixing water for other acid solutions. At no time did this spill leave the asphalt truck parking area.

The incident has been investigated and corrective actions to prevent future occurrences have been implemented. Should the OCD require any further information, please contact me at 505-392-0701 or Scott Nelson at 505-392-0746. We will be glad to furnish any additional information required.

Sincerely,



Steve Luscombe
Shared Services Supervisor
Hobbs, New Mexico

Cc: Gary Wink Hobbs OCD office
 Sherman Pierce HES Permian Basin Environmental Coordinator

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2-11-98
or cash received on _____ in the amount of \$ 50.00
from Halliburton

for Hobbs GW-074
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R. Cluskey Date: 3/12/98

Received in ASD by: _____ Date: _____

Filing Fee Xr New Facility _____ Renewal _____
Modification _____ Other _____

Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

 HALLIBURTON ENERGY SVCS.
MISTY DENNEY
PH. 505-392-6531
5801 LOVINGTON HWY.
HOBBS, NM 88240-9155

Date 2-11-98 56-194/422

Pay to the order of NMED Water Quality \$ 50.00/kk
fifty 00/kk

CITIBANK
CITIBANK SOUTH DAKOTA, N.A.
PAYABLE THROUGH STAR BANK
CINCINNATI, OH 45150

Hobbs GW-074 Misty Denney

© 1998 BANK OF AMERICA Security features included. Details on back. ANTIQUE

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/11/98,
or cash received on _____ in the amount of \$ 690.00
from Halliburton
for Hobbs GW-074
(Facility Name) (CP No.)
Submitted by: _____ Date: _____
Submitted to ASD by: R. C. Clenden Date: 3/12/98
Received in ASD by: _____ Date: _____
Filing Fee _____ New Facility _____ Renewal X
Modification _____ Other _____
Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.
Full Payment _____ or Annual Increment _____

 **HALLIBURTON ENERGY SVCS:**
MISTY DENNEY
PH: 505-392-6531
5801 LOVINGTON HWY.
HOBBS, NM 88240-9155

Date 2-11-98 56-194/422

Pay to the order of NMED Water Quality \$ 690.00/xx
Six hundred Ninety & 00/100

CITIBANK
CITIBANK SOUTH DAKOTA, N.A.
PAYABLE THROUGH STAR BANK
CINCINNATI, OHIO 45260

Hobbs, GW-074 Misty Denney



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

March 3, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-937

Mr. Steve Luscombe
Facility Coordinator
Halliburton Energy Services
5801 Lovington Hwy.
Hobbs, NM 88240

RE: Minor Modification
"Storage Vessel"
GW-074

Dear Mr. Luscombe:

The New Mexico Oil Conservation Division (OCD) has received a notification from your consultant, Llano Permian Environmental, dated February 25, 1998 requesting the addition of a "6,000 gallon storage vessel with steel containment" at the Halliburton facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. The request is considered a minor modification to the above referenced discharge plan and public notice will not be issued. **The requested minor modification is hereby approved, with the following conditions:**

The Application for modification was submitted pursuant to Water Quality Control Commission (WQCC) Regulation 3107.C and is approved pursuant to WQCC Regulation 3109.

Please note that "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan". Pursuant to Section 3107.C Halliburton is required to notify the Director of any facility expansion, production increase or process modification that would result in a significant modification in the discharge of potential ground water contaminants.

The OCD approval does not relieve Halliburton of liability should operation of the facility result in contamination of surface waters, ground waters or the environment.

Mr. Steve Luscombe
Halliburton
March 3, 1998
Page No. 2

If you have any questions please feel free to call me at (505)-827-7156.

Sincerely,



W. Jack Ford, C.P.G.
Geologist
Environmental Bureau
Oil Conservation Division

cc: Mr. Wayne Price - OCD Hobbs District Office

Z 357 869 937

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Steve Luscombe</i>	
Street & Number <i>Halliburton</i>	
Post Office, State & ZIP Code <i>Hobbs</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	<i>GW-074</i>

PS Form 3800 April 1995

LLANO PERMIAN ENVIRONMENTAL

1031 Andrews Highway, Suite 207, Midland, Texas, 79701 ☉ Telephone (915) 522-2133 ☉ Telefax (915) 522-2180

February 25, 1998

RECEIVED

MAR 2 1998

Environmental Bureau
Oil Conservation Division

Mr. Jack Ford
New Mexico Oil Conservation Division
Environmental Bureau
2040 South Pacheco
Santa Fe, New Mexico 87505

RE: Amendment to Halliburton Site Discharge Plan # GW-074

Dear Mr. Ford,

On behalf of Halliburton Company in Hobbs, New Mexico, I am submitting information for an amendment to the site discharge plan # GW-074. Halliburton has installed a 6000 gallon storage vessel in the northwest part of their site. The fixed roof tank is 10 feet in diameter and 12 feet in height with a cone shaped bottom. The tank will store a diesel/polymer material that will be used as a fracturing fluid additive for wells. The tank will have a 24' x 32' x 3' quarter inch steel plate secondary containment around and underneath the area. The secondary containment will accommodate two and one half times the capacity of the tanks maximum storage. Due to the use of the tank, the facility does not anticipate any further waste to be generated from the material. The modification to this facility is anticipated to be a minor permit modification. Attached is a plot plan of the site location and photographs of the diesel/polymer material storage vessel.

Please contact LP Environmental if you have any questions about the proposed amendment at (915) 522-2133

Sincerely,



Terry James

2 Enclosures

cc:

Wayne Price, Oil Conservation Division, Hobbs, NM
Bob Hatfield, Halliburton, Hobbs, NM
Buddy Harry, Benchmark Research and Technologies, Midland, TX



RIN PARKING

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Vessel

CHEM DRUM
STORAGE

ACID LOCK

NITROGEN
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SLECK
LINE

TOOLS

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BOOSTER PARKING

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TO ROAD

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Halliburton Energy Services
Hobbs Facility
Site Plan - General Facility

SAND PLANT

BULK
PLANT

TRASH

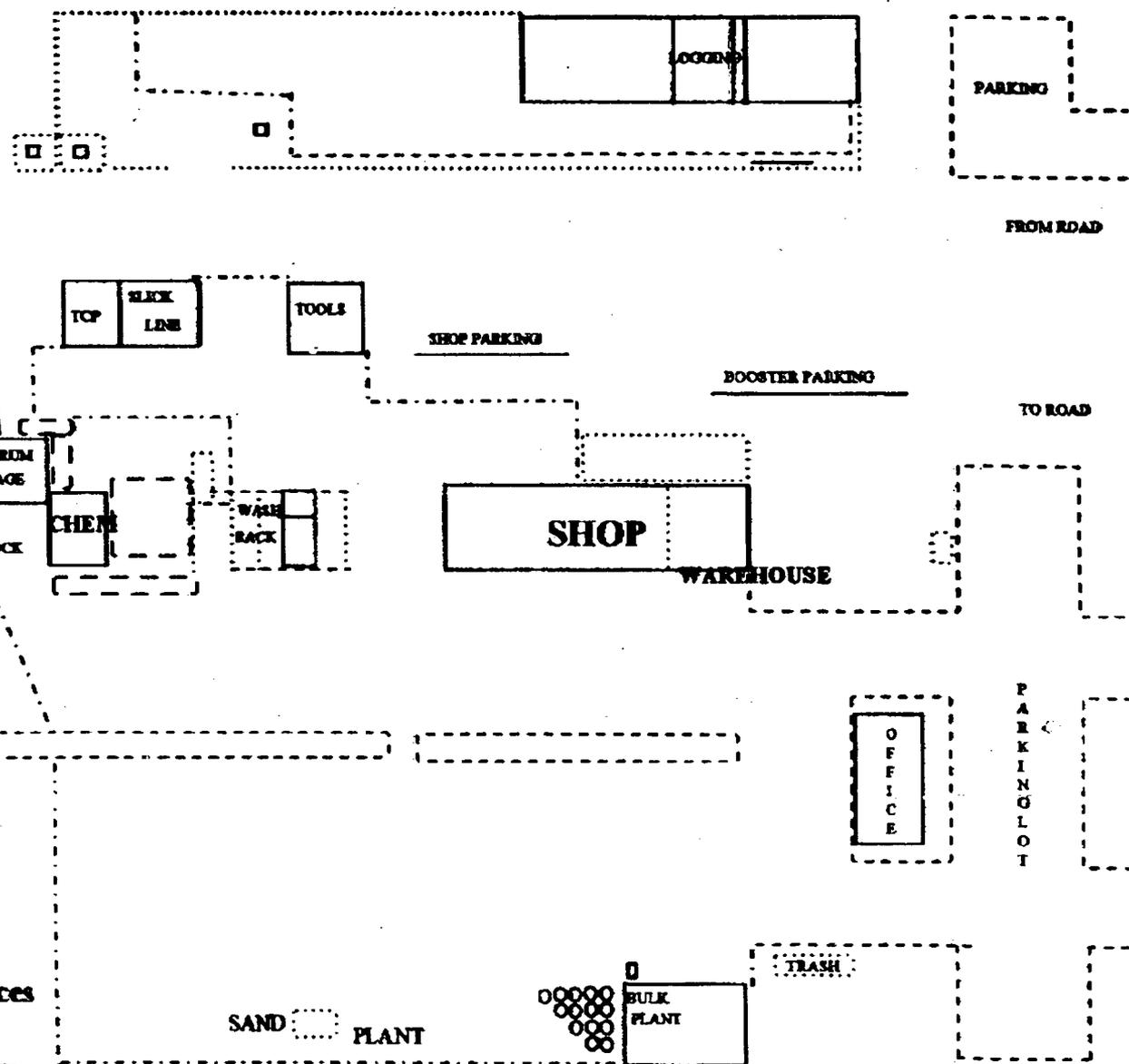




Photo 1: Diesel/Polymer Storage Vessel



Photo 2: Vessel's Secondary Containment



HALLIBURTON

TELECOPIER COVER PAGE

DATE: 2-11-98

NUMBER OF PAGES 2 (INCLUDING COVER)

TO: TACK FORD

FAX NUMBER: 505 827 8177

FROM: Scott Nelson

HOBBS, NM. FAX NUMBER: (505) 392-7062

COMMENTS: Thanks for your help.

IF THERE ARE ANY PROBLEMS WITH THE DOCUMENTS RECEIVED,
PLEASE CONTACT OUR OFFICE IN HOBBS BY CALLING
(505) 392-6331
1-800-844-8451



HALLIBURTON ENERGY SVCS.
 MISTY DENNEY - CHECKING
 PH. 505-392-8531
 5801 LOVINGTON HWY.
 HOBBS, NM 88240

56-1947-422

DATE 9-26-97

ATION DIVISION
 Checo Street
 Mexico 87805

Pay to the order of NMED-Water Quality \$ 50.⁰⁰/_{xx}
Fifty & ⁰⁰/_{xx}

CITIBANK
 CITIBANK SOUTH DAKOTA, N.A.
 PAYABLE THROUGH STAR BANK
 CINCINNATI, OHIO 45190

Water - 7236 Misty Denney

Mr. Steve Luscombe
 Facility Coordinator
 Halliburton Energy Services
 5801 Lovington Highway
 Hobbs, NM 88240

RE: Discharge Plan GW-074
 Halliburton Services
 Hobbs facility
 Lea County, New Mexico

Dear Mr. Luscombe:

On January 27, 1993, the groundwater discharge plan, GW-074, for the Hobbs Facility located in Section 7, Township 18 South, Range 39 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was renewed for a period of five years. The approval will expire on January 27, 1998.

If the facility continues to have potential or actual effluent or leachate discharges and Halliburton Services wishes to continue operation, the discharge plan must be renewed. Pursuant to WQCC Section 3106.F, if an application for renewal is submitted at least 120 days before the discharge plan expires (on or before September 27, 1997), then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. Please indicate whether Halliburton Services has made, or intends to make, any changes in the system, and if so, please include these modifications in the application for renewal.

The discharge plan renewal application for the Hobbs Facility is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$50 and a flat fee of \$690 for service companies. The \$50 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable.

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled
Legal Notice

Notice of Publication

~~and numbered~~ XXXX

~~XXXXXXXXXX~~

~~XXXXXXXXXXXXXXXXXXXX~~ was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, ~~XXXX XXXX XXXX XXXX~~

~~XXXXXXXXXXXXXXXXXXXX~~ for one (1) day

~~XXXXXXXXXXXXXXXXXXXX~~ beginning with the issue of

October 8, 1997

and ending with the issue of

October 8, 1997

And that the cost of publishing said notice is the sum of \$ 48.80

which sum has been (Paid) (Assessed) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 8th

day of October, 1997

Jean Senier
Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 1998

OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-74) - Halliburton Energy Services, Steve Luscombe, (505) 392-0701, 5801 Lovington Highway, Hobbs, New Mexico 88240, has submitted a discharge application for renewal of its previously approved discharge plan for the Hobbs Facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at all OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 300 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan applications, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person.

Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on the information in the discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of September 1997.

STATE OF NEW MEXICO
OIL CONSERVATION
WILLIAM J. LEMAY,
Director

SEAL
Published in the Lovington Daily Leader October 8, 1997.

LEGAL NOTICE
NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

October 2 _____, 1997

THE NEW MEXICAN
202 E. Marcy
Santa Fe, New Mexico 87501

RE: NOTICE OF PUBLICATION

PO #96-199-002997
98-199-00257

ATTN: Betsy Perner

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

- 1. Publisher's affidavit.*
- 2. Invoices for prompt payment.*

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice on Tuesday, October 7 _____, 1997.

Sincerely,

Sally E. Martinez
Administrative Secretary

Attachment



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

October 2, 1997

LOVINGTON DAILY LEADER
P. O. Box 1717
Lovington, New Mexico 88260

RE: NOTICE OF PUBLICATION

ATTN: ADVERTISING MANAGER

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. Publisher's affidavit in duplicate.
2. Statement of cost (also in duplicate.)
3. CERTIFIED invoices for prompt payment.

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than October 9, 1997.

Sincerely,

Sally Martinez
Sally E. Martinez
Administrative Secretary

Attachment

Z 765 963 540

Receipt for
Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	
Street	Lovington Daily Leader
P.O. State and Zip Code	P.O. Box 1717 Lovington, NM 88260
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

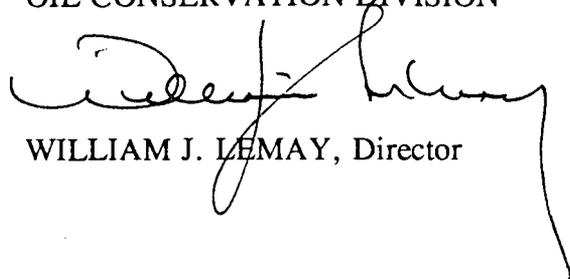
(GW-74) - Halliburton Energy Services, Steve Luscombe, (505) 392-0701, 5801 Lovington Highway, Hobbs, New Mexico 88240, has submitted a discharge application for renewal of its previously approved discharge plan for the Hobbs Facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at an OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 300 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan applications, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on the information in the discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of September 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY, Director

S E A L

P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED

SEP 29 1997

Revised 12/1

Submit Orig
Plus 1 Co
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to approp
District Of

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,
GAS PLANTS, REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS
(Refer to the OCD Guidelines for assistance in completing the application)

New

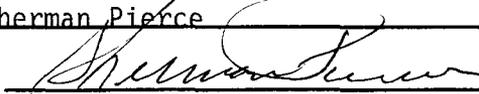
Renewal

Modification

1. Type: Oil Field Service Facility
2. Operator: Halliburton Energy Services
Address: 5801 Lovington Highway, Hobbs, New Mexico 88240
Contact Person: Steve Luscombe Phone: 505-392-0701
3. Location: - /4 - /4 Section 7 Township 18 South Range 38 East
Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
14. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Sherman Pierce Title: Environmental Coordinator

Signature:  Date: 9-24-97

DISCHARGE PLAN APPLICATION

HALLIBURTON ENERGY SERVICES
5801 LOVINGTON HWY.
HOBBS, NEW MEXICO 88240

Part VI. Form (optional)

Materials stored or used at the facility - for each category of material listed below provide information on the general composition of the material or specific information (including brand names if requested) whether a solid or liquid, type of container, estimated volume stored and location. Submit MSDS information for chemicals as requested. Use of this form is optional, but the information requested must be provided.

Name	General Makeup or specific Brand name (if requested)	Solids (S) or Liquids (L)	Type of container (tank, drum, etc.)	Estimated Vol. Stored	Location (Yard, Shop, Drum Stor., etc.)
1. Drilling Fluids (include general makeup & types special additives, e.g. oil, chrome, etc.)	Not Applicable				
2. Brines (KCL, NaCL, etc.)	Not Applicable				
3. Acids/Caustic (provide names & MSDS sheets)	Hydrochloric Acid Acetic Acid	(L) (L)	Tanks Tank	50,000 gal 10,000 gal	Yard Yard
4. Detergents/Soaps	Cougar Soap	(L)	Drum	90 gal.	Shop
5. Solvents & Degreasers (Provide names & MSDS sheets)	Not Applicable				
6. Paraffin Treatment/emulsion Breakers (Provide names & MSDS sheets)	Numerous Chem.	(L)	Drum/Sack	Varies	Drum Storage Bulk Plant stor.
7. Biocides (Provide name & MSDS sheets)	BE-5	(L)	6 lb. jug	600 lbs.	Bulk Plant stor.
8. Others - (include other liquids & solids, e.g. cement, etc.)	Cement Types Hydraulic and Engine Oils	(S) (L)	Tank Tank	Varies Varies	Yard Shop

DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VII. Form (Optional)

Sources and Quantities of Effluent and Waste Solids Generated at the Facility - For each source include types of effluents (e.g. salt water, hydrocarbons, sewage, etc.), estimated quantities in barrels or gallons per month, and type and volumes of major additives (e.g. acids, biocides, detergents, degreasers, etc.). Use of this form is optional, but the information requested must be provided.

Waste Type	General Composition and Source (solvents from small parts cleaning, oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
1. Truck Wastes (Describe types of original contents trucked (e.g. brine, produced water, drilling fluids, etc.)	Not Applicable		
2. Truck, Tank & Drum washing	Washrack water with oils from dumps, engines and hoses	100,000 gal/per month. Total water effluent	Soap in washrack rinsate.
3. Steam Cleaning of small parts Steam Cleaning of tool parts	Grease and oil from truck parts		Soap Soap
4. Solvent/Degreaser Use	Not Applicable		
5. Spent Acid, Caustics, or Completion Fluids (Describe)	Not Applicable		
6. Waste Slop Oil	Not Applicable		
7. Waste Lubrication and Motor Oils	Oil from trucks	200 gal/per month	Not Applicable
8. Oil Filters	Oil filters from trucks and engines	2-55 gal drum per month	
9. Solids and Sludge from tanks (describe types of materials, e.g. crude oil tank bottoms, sand, ect.)	Not Applicable		

Part VII

Waste Type	General Composition and Source (solvents from small parts cleaning, oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
10. Painting Waste	Not Applicable		
11. Sewage (Indicate if other wastes mixed with sewage; if no commingling, domestic sewage under jurisdiction of the NMEID)	Not Applicable No commingling takes place		
12. Other waste Liquids	Not Applicable		
13. Other waste Solids (cement, construction materials, used drums)	Waste Cement Empty Drums	1000 sacks per month 90 drums/per month	Varies Varies

DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VIII. Form (Optional)

Summary Description of Existing Liquid and Solids Waste Collection and Disposal - For each waste type listed in Part VII, provide summary information about onsite collection and disposal systems. Information on basic construction features, specific descriptions, and wastewater schematics should be provided as required in the guidelines. The use of this form is optional, but the summary information requested must be provided.

Waste Type	Tank (T) Drum (D)	Floor Drain (F) Sump (S)	Pits Lined (L) Unlined (U)	Onsite injection Well	Leach Field	Offsite Disposal
1. Truck Wastes		Sump				Sundance
2. Truck, tank and drum washing	Truck	Floor				City Sewer
3. Steam cleaning of parts, equip., tank	Drum					None
Steam cleaning tools	Drum	Sump				Solids/Sundance Liquids/City
4. Solvent/Degreaser Use	N/A					
5. Spent Acids, Caustics, or Completion Fluids	N/A					
6. Waste Shop oil	Tank					Specialty Oil
7. Waste Lubrication and Motor Oils	Tank					Specialty Oil
8. Oil Filters	Drum					Specialty Oil
9. Solids and Sludges from tanks		Sump				Sundance
10. Painting Wastes	N/A					
11. Sewage						City of Hobbs
12. Other Waste Liquids						City Sewer
13. Other Waste Solids						City landfill

HALLIBURTON ENERGY SERVICES
5801 LOVINGTON HWY
HOBBS, NM 88240

SITE MAP INDEX
APRIL 1997

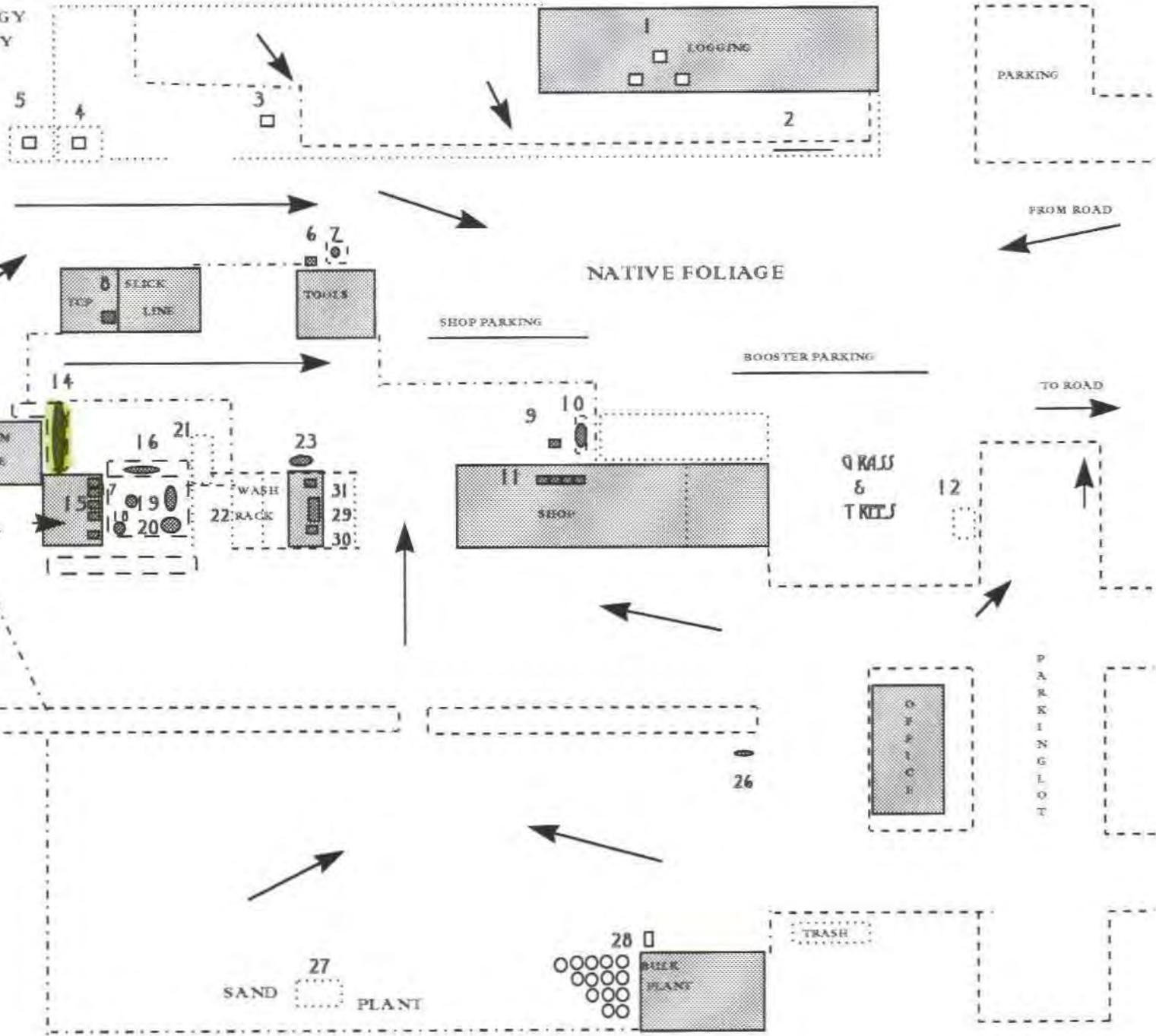
1. 3, DAY MAGAZINES TYPE 2
2. RADIOACTIVE STORAGE
3. DRY CEMENT STORAGE
4. EXPLOSIVE MAGAZINE TYPE 1
5. EXPLOSIVE MAGAZINE TYPE 1
6. COUGAR ULTRA KLEEN*NIS 275 GAL
7. COUGAR ULTRA KLEEN (SOAP) 175 GAL
8. DAY MAGAZINE
9. USED ANTIFREEZE, 2 55 GAL DRUMS
USED OIL FILTERS, 2 55 GAL DRUMS
10. USED OIL TANK, 1200 GAL / 28.6 BBLs
11. 15W-40 MOTOR OIL, 500 GAL / 11.9 BBLs
C-3 TRANSMISSION FLUID 275 GAL / 6.5 BBLs
80/90WT. GEAR LUBE 275 GAL / 6.5 BBLs
SYNGEAR SH460 SYNTHETIC LUBRICANT 275 GAL / 6.5 BBLs
ANTIFREEZE 275 GAL / 6.5 BBLs
12. DIESEL TANK LEAK- REMEDIATION COMPLETED
13. INJECTORAL A (SODIUM SILICATE) 20,000 GAL / 476.19 BBLs
14. **HCL TANK (HYDROCHLORIC ACID) 25,000 GAL / 595.23 BBLs (NEW ADDITION) IN
CONTAINMENT THAT HOLDS OVER 1 1/3 OF TANK CAPACITY.**
15. CHEMICAL ADDITIVE ROOM
16. FE-1A TANK (ACETIC ANHYDRIDE) 10,000 GAL / 238.09 BBLs
17. CHEMICAL RETURN TANK 8,000 GAL / 190.05 BBLs
18. CHEMICAL BLEND TANK 5,000 GAL / 119.05 BBLs
19. HCL TANK (HYDROCHLORIC ACID) 13,000 GAL / 309.52 BBLs
20. HCL TANK (HYDROCHLORIC ACID) 12,000 GAL / 285.7 BBLs
21. WASH RACK GRIT PIT/OIL WATER SEPARATOR
22. PLUG CONTAINER RACK
23. EMPTY DNB-430 TANK*NIS
24. NITROGEN TANK 1,027,030 CUBIC FEET (NTF)
25. SAND STORAGE TANKS
26. GASOLINE STORAGE TANK 300 GAL / 7.14 BBLs
27. SAND PLANT
28. CEMENT SILOS
29. 15W-40 MOTOR OIL, 275 GAL/6.54 BBLs
C-3 TRANSMISSION FLUID 275 GAL/6.54 BBLs
80/90WT. GEAR LUBE 275 GAL/6.54 BBLs
ISO 100X ROCKDRILL OIL 275 GAL/6.54 BBLs
30. WIRELINE SPRAY, 2 @ 55 GAL DRUMS
31. COUGAR ULTRA KLEEN (SOAP) 175 GAL

* NOT IN SERVICE



HALLIBURTON ENERGY
5801 LOVINGTON HWY
HOBBS, NM

- FENCE
- - - - CURB
- - - - SECONDARY CONTAINMENT
- - - - PAVEMENT EDGE
- STORM WATER FLOW



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NATIVE FOLIAGE

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NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

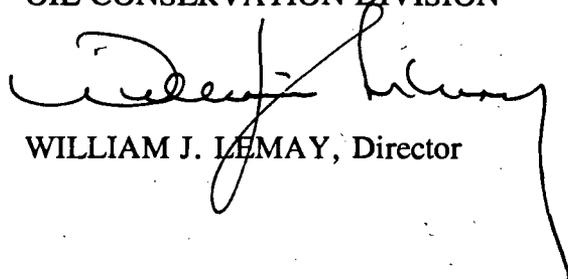
(GW-74) - Halliburton Energy Services, Steve Luscombe, (505) 392-0701, 5801 Lovington Highway, Hobbs, New Mexico 88240, has submitted a discharge application for renewal of its previously approved discharge plan for the Hobbs Facility located in Section 7, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at an OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 300 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan applications, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on the information in the discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 30th day of September 1997.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY, Director

SEAL



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 21, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-326-936-637

Mr. Steve Luscombe
Facility Coordinator
Halliburton Energy Services
5801 Lovington Highway
Hobbs, NM 88240

**RE: Discharge Plan GW-074
Halliburton Services
Hobbs facility
Lea County, New Mexico**

Dear Mr. Luscombe:

On January 27, 1993, the groundwater discharge plan, GW-074, for the Hobbs Facility located in Section 7, Township 18 South, Range 39 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was renewed for a period of five years. **The approval will expire on January 27, 1998.**

If the facility continues to have potential or actual effluent or leachate discharges and Halliburton Services wishes to continue operation, the discharge plan must be renewed. Pursuant to WQCC Section 3106.F, if an application for renewal is submitted at least 120 days before the discharge plan expires (on or before September 27, 1997), then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. Please indicate whether Halliburton Services has made, or intends to make, any changes in the system, and if so, please include these modifications in the application for renewal.

The discharge plan renewal application for the Hobbs Facility is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$50 and a flat fee of \$690 for service companies. The \$50 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable.

Mr. Steve Luscombe
HES, GW-074
6 Month Notice
July 21, 1997
Page 2

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Hobbs District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** A copy of the WQCC regulations, discharge plan application form, and guidelines are enclosed. (If you require additional copies of these items notify the OCD at (505)-827-7152. A complete copy of the regulations is also available on OCD's website at www.emnrd.state.nm.us/oed/)

If Halliburton Services no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If Halliburton Services has any questions, please do not hesitate to contact me at (505) 827-7152.

Sincerely,



Roger C. Anderson
Environmental Bureau Chief

RCA/pws

c: OCD Hobbs District

P 326 936 637

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to Mr. Steve Luscombe	
Street & Number 6 Mon Ren. Not.	
Post Office, State, & ZIP Code GW-074 - Hobbs	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800 April 1995



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

P 288 258 671

October 28, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-671

Mr. Steve Luscombe
Facility Coordinator
Halliburton Energy Services
5801 Lovington Hwy.
Hobbs, NM 88240

RE: Glycol Contaminated Soil
October 1, 1996 Spill
GW-074

Dear Mr. Luscombe:

The New Mexico Oil Conservation Division (OCD) has received the Halliburton letter dated October 21, 1996 addressing requesting that Halliburton be allowed to dispose of 3 cubic yards of non-hazardous waste at the Halliburton TSD in Duncan Oklahoma. Based on the information provided, and the certification by Halliburton that this waste is non-hazardous, **the request is approved.**

Note, that OCD approval does not relieve Halliburton of liability should disposal of this waste result in contamination of surface water, ground water or the environment. Also, OCD approval does not relieve Halliburton from compliance or reporting requirements that may apply from other federal, state, and local rules/regulations.

If you have any questions please feel free to call me at (505)-827-7156.

Sincerely,

Patricio W. Sanchez,
Petroleum Engineering Specialist
Environmental Bureau-OCD

xc: Mr. Wayne Price - Environmental Engineer, Hobbs OCD District

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Mr. Luscombe Halliburton GW-074</i>	
Street & Number <i>Glycol Spill.</i>	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Pat Sanchez

From: Wayne Price
Sent: Monday, October 28, 1996 12:45 PM
To: Pat Sanchez
Cc: Jerry Sexton
Subject: Halliburton Chemical Spill St Hwy 176 2.5 mi w of Eunice NM
Importance: High

Dear Pat,

I have reviewed the Halliburton report Dated October 21, 1996. I approve of the clean-up and agree with the plan for disposal.

Steve Luscombe
Facility Coordinator
Halliburton Energy Services
Hobbs, N.M. 88240

October 21, 1996

Mr. Pat Sanchez
New Mexico Oil Conservation Div.
Santa Fe, New Mexico

RECEIVED

OCT 28 1996

Environmental Bureau
Oil Conservation Division

Dear Pat:

Halliburton had a chemical spill on October 1, 1996 in section 30, township 21 S, range 37 E., 3.6 miles west of Eunice, New Mexico on highway 176 and 8. The spill consisted of approximately 50-60 gallons of BC-2, a crosslinking additive for gel systems. Components of BC-2 are Ethylene Glycol 11-30 %, Monoethanolamine 1-10 %, and water. An MSDS for this is attached to this letter. Safety and Environmental Solutions of Hobbs, NM was contracted to coordinate and clean up the spill with assistance from Halliburton. The liquid on the highway was absorbed using Magic-Sorb absorbant and absorbant pads. The liquid that ran off the highway into the dirt was absorbed in the same way. A backhoe was used to remove the dirt from the right of way that had come into contact with the liquid. This dirt was placed on plastic and transported to the Hobbs yard at 5801 Lovington Hwy. where it was placed on plastic pending being drummed up for transport. The volume of dirt generated is approximately 3 cubic yards. The used absorbants were drummed up on location and transported to the Hobbs yard for transport to our Duncan Oklahoma TSD facility.

This type of discharge is not covered in our discharge plan for the Hobbs facility. We request approval from the OCD to dispose of the approximately 3 cubic yards of dirt and the drum of used absorbant at the Halliburton TSD facility in Duncan, Oklahoma. The MSDS sheet shows that should this product become a waste, it is not considered a hazardous waste.

A copy of the report from Safety and Environmental Solutions with lab data is enclosed for your consideration.

Thank you for your help in matter.

Sincerely,



Cc: Wayne Price-Hobbs office NMOCD
Sherman Pierce-Halliburton Permian Basin Environmental coordinator
David Daugherty- Halliburton Permian Basin NWA manager

Attachments: MSDS Sheet

Safety and Environmental Solutions report

Analytical lab report of the site after cleanup

MATERIAL SAFETY DATA SHEET
HALLIBURTON ENERGY SERVICES
DUNCAN, OKLAHOMA 73536

DATE: 10-01-96
REVISED DATE 10-03-96

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

***** SECTION I - PRODUCT DESCRIPTION *****

CHEMICAL CODE: BC-2 - HAL-TANK PART NUMBER: 516010890
PKG QTY: 330 GALLON TANK APPLICATION: CROSSLINKING AGENT
SERVICE USED: STIMULATION

***** SECTION II - COMPONENT INFORMATION *****

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
ETHYLENE GLYCOL	11-30 %	C 50 PPM	C 50 PPM
MONOETHANOLAMINE	1-10 %	3 PPM	3 PPM

***** SECTION III - PHYSICAL DATA *****

PROPERTY	MEASUREMENT
APPEARANCE	DARK LIQUID
ODOR	GLYCOL
SPECIFIC GRAVITY (H2O=1)	1.221
BULK DENSITY	10.17 LB/GAL
PH	7.28
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	N/D
BIODEGRADABILITY	NOT DETERMINED
PERCENT VOLATILES	N/D
EVAPORATION RATE(BUTYL ACETATE=1)	N/D
VAPOR DENSITY	N/D
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT(760 MMHG)	N/D
POUR POINT	N/D
FREEZE POINT	N/D
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

***** SECTION IV - FIRE AND EXPLOSION DATA *****

NFPA(704) RATING:
 HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 SPECIAL NONE
 FLASH POINT N/D FLASH MTHD TCC
 AUTOIGNITION TEMPERATURE ND F / ND C
 FLAMMABLE LIMITS (% BY VOLUME) LOWER N/D UPPER N/D

 EXTINGUISHING MEDIA:
 USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
 SPECIAL FIRE FIGHTING PROCEDURES:
 FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE TOXIC GASES.

***** SECTION V - HEALTH HAZARD DATA *****

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT DETERMINED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.

EYE:
MAY CAUSE MODERATE TO SEVERE IRRITATION, AND IN EXTREME CASES SEVERE BUT
TRANSIENT EYE INJURY.

SKIN:
CONTACT MAY CAUSE SKIN IRRITATION.

INHALATION:
MIST OR HEATED VAPORS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION RESULTING
IN GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY
UNCONSCIOUSNESS.

INGESTION:
CONTAINS ETHYLENE GLYCOL, MAY CAUSE HEART, KIDNEY AND BRAIN DISORDERS.

CHRONIC EFFECTS:
REPEATED AND/OR PROLONGED EXPOSURE AT LOW LEVELS MAY RESULT IN KIDNEY
DISORDERS, REPRODUCTIVE DISORDERS, AND ADVERSE EYE EFFECTS.
CONTAINS ETHYLENE GLYCOL WHICH MAY CAUSE KIDNEY, LIVER, HEART, BLOOD & BRAIN
DISORDERS. ETHYLENE GLYCOL HAS BEEN SHOWN TO CAUSE DEVELOPMENTAL AND
REPRODUCTIVE EFFECTS IN LABORATORY ANIMALS. THESE FINDINGS ARE OF UNCERTAIN
TO HUMANS.

ETHYLENE GLYCOL HAS PRODUCED DOSE RELATED TERATOGENIC EFFECTS IN RATS AND
MICE, WHEN GIVEN BY GAVAGE OR DRINKING WATER AT HIGH DOSES. TERATOGENIC
EFFECTS WERE ALSO PRODUCED BY INHALATION IN VERY HIGH CONCENTRATIONS, BUT
ONLY IN MICE. THE DATA SUGGESTS ETHYLENE GLYCOL MAY CAUSE BIRTH DEFECTS.

OTHER SYMPTOMS AFFECTED:
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE INCLUDE SKIN DISORDERS
AND ALLERGIES, LIVER DISORDER, AND EYE DISEASE.

----- EMERGENCY AND FIRST AID PROCEDURES -----

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK
PROMPT MEDICAL ATTENTION.

SKIN:
IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION. WASH
CLOTHING BEFORE REUSE.

INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION,
PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
SEEK PROMPT MEDICAL ATTENTION.

INGESTION:
DO NOT INDUCE VOMITING! GIVE UP TO TWO (2) QUARTS OF WATER TO DILUTE.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL
ATTENTION.

* * * * * SECTION VI - REACTIVITY DATA * * * * *

STABILITY: STABLE
CONDITIONS TO AVOID:
NOT APPLICABLE.
INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZERS AND DEHYDRATING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE AND/OR CARBON MONOXIDE AND UNIDENTIFIED HYDROCARBON VAPORS.
HAZARD POLYMERIZATION: WON'T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AND STOP LEAK WHERE SAFE. CONTAIN
AND ABSORB SPILL WITH AN INERT MATERIAL. SCOOP UP AND REMOVE.
WASTE DISPOSAL METHOD:
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. CONTACT
HALLIBURTON HEALTH, SAFETY, AND ENVIRONMENT DEPARTMENTS IN DUNCAN, OK FOR
THE APPROPRIATE DISPOSAL METHOD.

* * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
ORGANIC VAPOR CARTRIDGE RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE
USED IN AREAS WITHOUT GOOD CROSS VENTILATION.
PROTECTIVE GLOVES:
IMPERVIOUS RUBBER GLOVES.
EYE PROTECTION:
WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM.
OTHER PROTECTIVE EQUIPMENT:
RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * *

PRECAUTIONARY LABELING BC-2 - HAL-TANK 516.010890

WARNING!
MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.
MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM.
CONTAINS ETHYLENE GLYCOL WHICH MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE AWAY FROM OXIDIZERS.
STORE IN A COOL WELL VENTILATED LOCATION.
KEEP CONTAINER CLOSED WHEN NOT IN USE.
AVOID DUST ACCUMULATIONS.
AVOID BREATHING VAPORS.
CONTAINER DISPOSITION:
IF CONTAINER RETAINS PRODUCT RESIDUES, LABEL PRECAUTIONS MUST BE OBSERVED.
STORE CONTAINER WITH CLOSURES IN PLACE. OFFER EMPTY CONTAINER TO RECONDI-
TIONOR OR RECYCLER FOR RECONDITIONING OR DISPOSAL. ENSURE RECONDITIONER
OR RECYCLER IS AWARE OF THE PROPERTIES OF THE CONTENTS.

* * * * * SECTION X - TRANSPORTATION INFORMATION * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

IATA SHIPPING DESCRIPTION:
NOT RESTRICTED

IMO SHIPPING DESCRIPTION:
NOT RESTRICTED

CAN SHIPPING DESCRIPTION:

NOT RESTRICTED

ADR SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
 FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
 CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: PURE

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
NOT EVALUATED

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)

COMPONENT NAME	CAS-REG-NO	PCT
ETHYLENE GLYCOL	107-21-1	11-30 %

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

TSCA YES	CEPA NE	EEC N/D	ACQIN N/D	NPR NE	DRSM NE

F. EXTRACTION METAL AND TRACE CONTENTS

ARSENIC:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
BARIUM :	IN LIQUID > 100 MG/L,	SOLID > 10000 MG/KG	NOT EVALUATED
CADIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NOT EVALUATED
CHROMIUM(VI):	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
CHROMIUM(III):	IN LIQUID > 560 MG/L,	SOLID > 2500 MG/KG	NOT EVALUATED
LEAD:	IN LIQUID > 5 MG/L,	SOLID > 1000 MG/KG	NOT EVALUATED
MERCURY:	IN LIQUID > 0.2 MG/L,	SOLID > 2000 MG/KG	NOT EVALUATED
SELENIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NOT EVALUATED
SILVER:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
ANTIMONY:	IN LIQUID > 15 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
BERYLLIUM:	IN LIQUID > 0.75 MG/L,	SOLID > 75 MG/KG	NOT EVALUATED
COBALT:	IN LIQUID > 80 MG/L,	SOLID > 8000 MG/KG	NOT EVALUATED
COPPER:	IN LIQUID > 25 MG/L,	SOLID > 2500 MG/KG	NOT EVALUATED
FLUORIDE:	IN LIQUID > 180 MG/L,	SOLID > 18000 MG/KG	NOT EVALUATED
MOLYBDENUM:	IN LIQUID > 350 MG/L,	SOLID > 3500 MG/KG	NOT EVALUATED
NICKEL:	IN LIQUID > 20 MG/L,	SOLID > 2000 MG/KG	NOT EVALUATED
THALLIUM:	IN LIQUID > 7 MG/L,	SOLID > 700 MG/KG	NOT EVALUATED
VANADIUM:	IN LIQUID > 24 MG/L,	SOLID > 2400 MG/KG	NOT EVALUATED
ZINC:	IN LIQUID > 250 MG/L,	SOLID > 5000 MG/KG	NOT EVALUATED
CYANIDE:	IN LIQUID > 250 MG/L,	SOLID > 250 MG/KG	NOT EVALUATED
H2S:	IN LIQUID > 500 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
ORGANO-TIN:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
ORGANO-PHOS:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
TIN:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
PERSISTENT ORGANO- HALOGENS:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED

G. OTHER COMPONENTS

CONTAINS BENZENE	NO
CONTAINS TOLUENE	NO
CONTAINS XYLENE	NO
REPORTABLE SPILL QUANTITY FOR BENZENE, TOLUENE, XYLENE	NOT APPLICABLE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A
HAZARDOUS WASTE

I. UNITED KINGDOM - DOE (CHEMICAL NOTIFICATION SCHEME)
TOXICITY CATEGORY

NOT EVALUATED

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Safety & Environmental

Solutions, Inc.

Emergency Response/Cleanup Final Report

Halliburton Energy
Eunice Golf Course Spill
10/01/96

Safety & Environmental Solutions, Inc.

HAZWOPER EMERGENCY RESPONSE REPORT 29 CFR 1910.120

10/8/96

On October 1, 1996 an emergency response to hazardous material was performed by personnel from Safety & Environmental Solutions, Inc. The following is the time-line of events as kept by the incident commander.

10/1/96

5:30 am - Halliburton flat-bed truck containing a variety of hazardous materials swerves to miss a deer approximately 1 mile east of the golf course near Eunice, NM. on highway 176. (SEE ATTACHED INCIDENT RESPONSE MAP) A 500 gallon polyethylene tote tank of chemical BC-2 (SEE ATTACHED MSDS) slides off of the truck and lands on the roadway. A small amount of the chemical is spilled onto the roadway and adjacent bar-ditch.

5:30-7:30 am - Halliburton personnel move the tote-tank off of the roadway, spilling more of the chemical onto the roadway and bar-ditch for a total volume loss of approximately 45-60 gallons. Highway patrol arrives on scene, checks safety, leaves the area to Halliburton responders. Department of Transportation arrives on scene, finds no major problems with transportation or documentation, leaves the area to Halliburton responders.

7:30 - Safety & Environmental Solutions Inc., personnel contacted to respond.

8:15 - Safety & Environmental Solutions Inc., personnel arrive on scene with spill response trailer, HAZWOPER Level V Incident Commander, HAZWOPER Level III HAZMAT Technician.

8:20 - Incident command system established, traffic control instituted.

8:25 - Earth moving equipment contacted to effect cleanup of bar-ditch.

8:30-9:30 - Cleanup of spill on highway begins with absorbent powder (Magic-Sorb). Cleanup and mop-up of free liquid is accomplished from roadway, bar-ditch, and shoulder of road.

9:30 - Backhoe and dump truck arrive. Backhoe begins excavation of contaminated soil beside road, placing contaminated soil on plastic.

10:00- Oil Conservation Division notified of spill. Notified of relative low toxicity and low potential environmental impact of both type and volume of material.

Safety & Environmental Solutions, Inc.

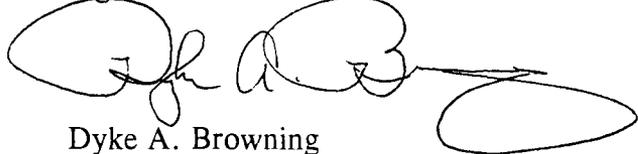
9:30-12:00 - Cleanup of roadway and bar-ditch completed. All product transferred from 500 gallon tote to 55 gallon drums. Maximum estimated loss of 60 gallons of product. All contaminated soil, absorbents, plastic, PPE, absorbent socks and booms collected, containerized, and moved to Halliburton yard to await proper disposal.

12:30 - Composite sample taken from bottom of excavation in bar-ditch to verify complete removal of hazardous materials from spill. (SEE ATTACHED THIRD PARTY LABORATORY ANALYSIS FOR VERIFICATION OF REMOVAL OF MATERIAL) Due to the relative small amount of soil removed (less than 3 cubic yards), the area is dressed off and no additional replacement soil is brought in.

1:30 - Earth material and drums placed in storage at Halliburton yard to await proper disposal. Earth completely encapsulated with plastic to prevent contamination of storage site.

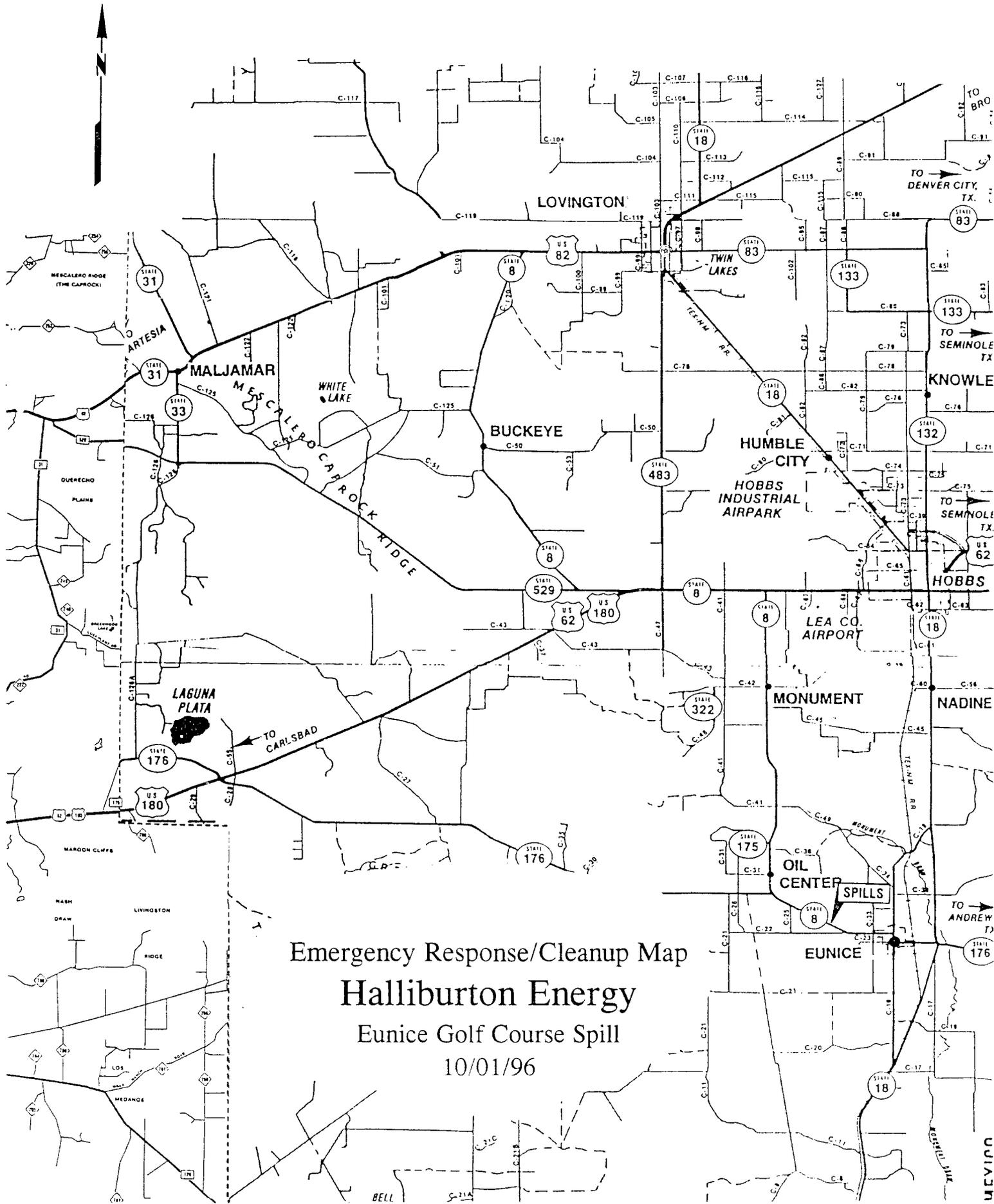
2:00 - Soil sample transferred to laboratory. Demobilization of all HAZWOPER materials and personnel.

Signed - Incident Commander

A handwritten signature in black ink, appearing to read "Dyke A. Browning", with a large, sweeping flourish extending to the right.

Dyke A. Browning

Safety & Environmental Solutions, Inc.



BC-2 - HAL-TANK

PAGE 1

MATERIAL SAFETY DATA SHEET
HALLIBURTON ENERGY SERVICES
DUNCAN, OKLAHOMA 73536

DATE: 10-01-94
REVISED DATE 04-04-96

*510,000
non Hazardous*

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

***** SECTION I - PRODUCT DESCRIPTION *****

CHEMICAL CODE: BC-2 - HAL-TANK PART NUMBER: 516010890
PKG QTY: 330 GALLON TANK APPLICATION: CROSSLINKING AGENT
SERVICE USED: STIMULATION

***** SECTION II - COMPONENT INFORMATION *****

COMPONENT*****	PERCENT	TLV	PEL
ETHYLENE GLYCOL	11-30 %	0.50 PPM	0.50 PPM
MONOETHANOLAMINE	1-10 %	3 PPM	3 PPM

*Reportable
quantity
5000 lbs*

***** SECTION III - PHYSICAL DATA *****

PROPERTY	MEASUREMENT
APPEARANCE	DARK LIQUID
ODOR	GLYCOL
SPECIFIC GRAVITY (H2O=1)	1.221
BULK DENSITY	10.17 LB/GAL
PH	7.28
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	N/D
BIODEGRADABILITY	NOT DETERMINED
PERCENT VOLATILES	N/D
EVAPORATION RATE (BUTYL ACETATE=1)	N/D
VAPOR DENSITY	N/D
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT (760 MMHG)	N/D
POUR POINT	N/D
FREEZE POINT	N/D
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

***** SECTION IV - FIRE AND EXPLOSION DATA *****

NFPA(704) RATING:
 HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 SPECIAL NONE
 FLASH POINT N/D FLASH MTDG TCC
 AUTOIGNITION TEMPERATURE NO F / NO C
 FLAMMABLE LIMITS (% BY VOLUME) LOWER N/D UPPER N/D

 EXTINGUISHING MEDIA:
 USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
 SPECIAL FIRE FIGHTING PROCEDURES:
 FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING
 APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE TOXIC GASES.

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACGIH".

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT DETERMINED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE:

MAY CAUSE MODERATE TO SEVERE IRRITATION, AND IN EXTREME CASES SEVERE BUT
TRANSIENT EYE INJURY.

SKIN:

CONTACT MAY CAUSE SKIN IRRITATION.

INHALATION:

MIST OR HEATED VAPORS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION RESULTING
IN GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY
UNCONSCIOUSNESS.

INGESTION:

CONTAINS ETHYLENE GLYCOL, MAY CAUSE HEART, KIDNEY AND BRAIN DISORDERS.

CHRONIC EFFECTS:

REPEATED AND/OR PROLONGED EXPOSURE AT LOW LEVELS MAY RESULT IN KIDNEY
DISORDERS, REPRODUCTIVE DISORDERS, AND ADVERSE EYE EFFECTS.

CONTAINS ETHYLENE GLYCOL WHICH MAY CAUSE KIDNEY, LIVER, HEART, BLOOD & BRAIN
DISORDERS. ETHYLENE GLYCOL HAS BEEN SHOWN TO CAUSE DEVELOPMENTAL AND
REPRODUCTIVE EFFECTS IN LABORATORY ANIMALS. THESE FINDINGS ARE OF UNCERTAIN
TO HUMANS.

ETHYLENE GLYCOL HAS PRODUCED DOSE RELATED TERATOGENIC EFFECTS IN RATS AND
MICE, WHEN GIVEN BY GAVAGE OR DRINKING WATER AT HIGH DOSES. TERATOGENIC
EFFECTS WERE ALSO PRODUCED BY INHALATION IN VERY HIGH CONCENTRATIONS, BUT
ONLY IN MICE. THE DATA SUGGESTS ETHYLENE GLYCOL MAY CAUSE BIRTH DEFECTS.

OTHER SYMPTOMS AFFECTED:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE INCLUDE SKIN DISORDERS
AND ALLERGIES, LIVER DISORDER, AND EYE DISEASE.

----- EMERGENCY AND FIRST AID PROCEDURES -----

EYE:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK
PROMPT MEDICAL ATTENTION.

SKIN:

IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION. WASH
CLOTHING BEFORE REUSE.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION,
PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
SEEK PROMPT MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING! GIVE UP TO TWO (2) QUARTS OF WATER TO DILUTE.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL
ATTENTION.

***** SECTION VI - REACTIVITY DATA *****

STABILITY: STABLE

CONDITIONS TO AVOID:

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE AND/OR CARBON MONOXIDE AND UNIDENTIFIED HYDROCARBON VAPORS.

HAZARD POLYMERIZATION: WON'T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

***** SECTION VII - SPILL OR LEAK PROCEDURES *****

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AND STOP LEAK WHERE SAFE. CONTAIN AND ABSORB SPILL WITH AN INERT MATERIAL. SCOOP UP AND REMOVE.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM HAZARDOUS WASTE DISPOSAL SITE AUTHORIZED UNDER EPA-RCRA SUBTITLE C OR STATE EQUIVALENT. SHIP TO SITE.

***** SECTION VIII - SPECIAL PROTECTION INFORMATION *****

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM.

OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

***** SECTION IX - SPECIAL PRECAUTIONS *****

PRECAUTIONARY LABELING BC-2 - HAL-TANK

516.010890

WARNING:

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM.

CONTAINS ETHYLENE GLYCOL WHICH MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA.

FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.

STORE IN A COOL WELL VENTILATED LOCATION.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID DUST ACCUMULATIONS.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

IF CONTAINER RETAINS PRODUCT RESIDUES, LABEL PRECAUTIONS MUST BE OBSERVED.

STORE CONTAINER WITH CLOSURES IN PLACE. OFFER EMPTY CONTAINER TO RECONDITIONOR OR RECYCLER FOR RECONDITIONING OR DISPOSAL. ENSURE RECONDITIONOR

OR RECYCLER IS AWARE OF THE PROPERTIES OF THE CONTENTS.

***** SECTION X - TRANSPORTATION INFORMATION *****

DOT SHIPPING DESCRIPTION:

NOT RESTRICTED

***** SECTION XI - ENVIRONMENTAL EVALUATION *****

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION

REACTIVE: N ACUTE (IMMEDIATE): Y

MIXTURE OR PURE MATERIAL: PURE

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)

COMPONENT NAME	CAS-REG-NO	PCT
ETHYLENE GLYCOL	107-21-1	11-30 X

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

TSCA YES	CEPA NE	EEC N/D	ACGIH N/D	NPR NE	DRSH NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

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PN 516010890

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C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
COMPONENT NAME CAS-REG-NO PCT
ETHYLENE GLYCOL 107-21-1 11-30 %

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC N/D ACCIN N/D NPR NE DRSM NE

F. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A
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Safety & Environmental Solutions, Inc.

HAZWOPER EMERGENCY RESPONSE CHECKLIST 29 CFR 1910.120

1. ASSESSMENT & IDENTIFICATION

Type of Emergency - Fire, Hazardous Material, Vandalism, Transportation Accident, etc.

Halliburton product (BC-2) release onto highway 176 as a result of a vehicle near miss with a deer. A 500 gallon tote tank fell from the truck, releasing approximately 45-60 gallons of the material. There was no injury to driver or others, no fire.

Identification done appropriately? (Safe distance, proper PPE, correct monitoring, etc.)

Halliburton personnel performed identification functions from knowledge of the cargo of the truck, no problems encountered here.

2. EMERGENCY RESCUE AND FIRST AID

Appropriate Personal Protective Equipment utilized, Personal Safety not compromised, adequate training, procedures for rescue correct?

Appropriate PPE was used during the course of the entire response. No injuries in this incident. No rescue was necessary, no first aid was needed. Level V Incident commander was present, at least one Level III Hazmat Technician, and dirt work people were trained to a minimum of Level III.

3. ISOLATION AND EVACUATION

Hazards to Public, Livestock, Residential Areas, Highways, Railroads, Power Lines, Waterways, Combustible Areas (ignition sources), Water intakes, appropriately evaluated?

Site was isolated effectively by Halliburton personnel prior to the arrival of Safety & Environmental Solutions, Inc., personnel. Highway patrol had declared the scene to be safe to the public and had left the scene, no livestock, power lines, residential areas or waterways were involved. The traffic on the highway (176) was controlled.

Weather (wind velocity, cloud cover, precipitation, temperature), topography, and physical properties of the hazard properly considered in evacuation/site control setup?

No serious respiratory hazards were present. Personnel were available at the scene to lead emergency equipment and clean-up contractor to the spill site.

Safety & Environmental Solutions, Inc.

Isolation Procedures - Boundaries for control of all entrants (hot zone), emergency responders (warm zone), and public (cold zone) clearly delineated?

All personnel were instructed to report to the command post. No zones were delineated due to the relative non-hazardous nature of the product, although no personnel approached the site unprotected.

4. REPORTING

Appropriate company personnel notified? Done in a timely fashion?

Original responders (Halliburton personnel) were notified in a timely fashion (within minutes).

Appropriate public and governmental agencies notified? (911, National Spill Response Center, State Police, Fire Depts., Sheriff Depts., BLM, OCD, EPA, OSHA, DOT) Done in a timely fashion?

The New Mexico State Police and the Department of Transportation were notified and on site within minutes. Notification of cleanup personnel (Safety & Environmental Solutions) and environmental personnel (New Mexico Oil Conservation Department) was delayed, but still within acceptable time frame.

5. CONTAINMENT

Proper containment strategy utilized? Waterways and public access roads guarded? Training appropriate for containment accomplished by specific personnel? Contractors contacted?

Good shut off of source was accomplished immediately. Performance after initial release was isolated caused spread of some of the hazardous materials. Adequate training for shut down. Halliburton personnel contacted professional for HAZWOPER incident. IC ordered clean-up contractors and isolation equipment to the site.

6. CHAIN OF COMMAND

Incident Command System utilized? Appropriate persons notified? Responsible persons willing and able to assume authority and take appropriate action? Communication channels adequate?

ICS was implemented. Command post established. IC in control throughout the drill. Notification were delegated and IC went immediately to the scene to establish command post and ICS.

Safety & Environmental Solutions, Inc.

7. SITE CONTROL

Proper safeguards against public entry employed? Media planned for? Liason for public emergency responders assigned?

Access to the area was blocked as much as possible by cones without impeding traffic. Traffic control was rudimentary and could have been better.

8. CLEANUP OR REPAIR

Proper PPE utilized at all stages of cleanup/repair? Documentation of proper training of cleanup/repair personnel obtained? Adequate equipment and supplies available? Cost effectiveness maintained?

Proper PPE was utilized by all persons making fluid transfer from original container to 55 gallon drums. Proper PPE was utilized by all persons doing environmental cleanup. Documentation of all professional responders was assured. Level of training of Halliburton personnel was not specified. Equipment and supplies to handle the response were adequate. Needed better vessel handling capabilities and pump-off capabilities readily available.

9. DECONTAMINATION

Proper equipment and procedures used for decontamination? Medical evaluation conducted? Proper PPE utilized for decon crew? All wash water and contamination properly isolated for analysis/disposal?

Decontamination for the emergency response involved isolation and disposal of materials (including soil contaminated and absorbents), and wipe off of tool used. Disposable PPE was containerized for disposal with the material.

10. DOCUMENTATION/REPORTING

Proper notes/records kept throughout the incident? Adequate written materials gathered for proper reporting to company and governmental entities?

Incident commander took notes. Recordkeeping functions were performed by the IC at the command post.



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**ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.**

ATTN: DYKE BROWNING

703 E. CLINTON
HOBBS, NM 88240

FAX TO:

Analysis Date: 10/09/96

Sampling Date: 10/01/96

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: JP

Analyzed By: BC

Receiving Date: 10/01/96

Reporting Date: 10/10/96

Project Number: NOT GIVEN

Project Location: EUNICE SPILL

Project Name: HALLIBURTON BC-2 HAL-TANK

Sample ID: SOIL FROM SPILL SITE

Lab Number: H2663-1

SEMIVOLATILES - 8270 (ppm)		Detection Limit	Sample Result H2663-1	Method Blank
1	n-Nitrosodimethylamine	0.067	<0.067	<0.067
2	2-Picoline	0.067	<0.067	<0.067
3	Methylmethanesulfonate	0.067	<0.067	<0.067
4	Ethylmethanesulfonate	0.067	<0.067	<0.067
5	Phenol	0.067	<0.067	<0.067
6	Aniline	0.067	<0.067	<0.067
7	bis (2-Chloroethyl) ether	0.067	<0.067	<0.067
8	2-Chlorophenol	0.067	<0.067	<0.067
9	1,4-Dichlorobenzene	0.067	<0.067	<0.067
10	1,3-Dichlorobenzene	0.067	<0.067	<0.067
11	Benzyl Alcohol	0.067	<0.067	<0.067
12	1,2-Dichlorobenzene	0.067	<0.067	<0.067
13	2-Methylphenol	0.067	<0.067	<0.067
14	bis (2-Chloroisopropyl) ether	0.067	<0.067	<0.067
15	Acetophenone	0.067	<0.067	<0.067
16	4-Methylphenol	0.067	<0.067	<0.067
17	n-Nitroso-di-n-propylamine	0.067	<0.067	<0.067
18	Hexachloroethane	0.067	<0.067	<0.067
19	Nitrobenzene	0.067	<0.067	<0.067
20	n-Nitrosopiperidine	0.067	<0.067	<0.067
21	Isophorone	0.067	<0.067	<0.067
22	2-Nitrophenol	0.067	<0.067	<0.067
23	2,4-Dimethylphenol	0.067	<0.067	<0.067
24	Benzoic acid	0.067	<0.067	<0.067
25	bis (2-Chloroethoxy) methane	0.067	<0.067	<0.067
26	2,4-Dichlorophenol	0.067	<0.067	<0.067
27	a, a-Dimethylphenethylamine	0.067	<0.067	<0.067
28	1,2,4-Trichlorobenzene	0.067	<0.067	<0.067
29	Naphthalene	0.067	<0.067	<0.067
30	4-Chloroaniline	0.067	<0.067	<0.067
31	2,6-Dichlorophenol	0.067	<0.067	<0.067
32	Hexachlorobutadiene	0.067	<0.067	<0.067
33	n-Nitroso-di-n-butylamine	0.067	<0.067	<0.067
34	4-Chloro-3-methylphenol	0.067	<0.067	<0.067
35	2-Methylnaphthalene	0.067	<0.067	<0.067
36	1,2,4,5-Tetrachlorobenzene	0.067	<0.067	<0.067
37	Hexachlorocyclopentadiene	0.067	<0.067	<0.067
38	2,4,6-Trichlorophenol	0.067	<0.067	<0.067
39	2,4,5-Trichlorophenol	0.067	<0.067	<0.067
40	2-Chloronaphthalene	0.067	<0.067	<0.067

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, but not limited to, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES

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PHONE (806) 796-2800 • 5262 34th ST. • LUBBOCK, TX 79407

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: DYKE BROWNING

Receiving Date: 10/01/96
Reporting Date: 10/10/96
Project Number: NOT GIVEN
Project Location: EUNICE SPILL
Project Name: HALLIBURTON BC-2 HAL-TANK
Sample ID: SOIL FROM SPILL SITE
Lab Number: H2663-1

703 E. CLINTON
HOBBS, NM 88240
FAX TO:

Analysis Date: 10/09/96
Sampling Date: 10/01/96
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: JP
Analyzed By: BC

SEMIVOLATILES - 8270 (ppm)	Detection Limit	Sample Result H2663-1	Method Blank
41 1-Chloronaphthalene	0.067	<0.067	<0.067
42 2-Nitroaniline	0.067	<0.067	<0.067
43 Acenaphthalene	0.067	<0.067	<0.067
44 Dimethylphthalate	0.067	<0.067	<0.067
45 2,6-Dinitrotoluene	0.067	<0.067	<0.067
46 3-Nitroaniline	0.067	<0.067	<0.067
47 Acenaphthene	0.067	<0.067	<0.067
48 2,4-Dinitrophenol	0.067	<0.067	<0.067
49 Dibenzofuran	0.067	<0.067	<0.067
50 Pentachlorobenzene	0.067	<0.067	<0.067
51 4-Nitrophenol	0.067	<0.067	<0.067
52 1-Naphthylamine	0.067	<0.067	<0.067
53 2,4-Dinitrotoluene	0.067	<0.067	<0.067
54 2-Naphthylamine	0.067	<0.067	<0.067
55 2,3,4,6-Tetrachlorophenol	0.067	<0.067	<0.067
56 Fluorene	0.067	<0.067	<0.067
57 4-Chlorophenyl-phenylether	0.067	<0.067	<0.067
58 Diethylphthalate	0.067	<0.067	<0.067
59 4-Nitroaniline	0.067	<0.067	<0.067
60 4,6-Dinitro-2-methylphenol	0.067	<0.067	<0.067
61 Diphenylamine	0.067	<0.067	<0.067
62 n-Nitrosodiphenylamine	0.067	<0.067	<0.067
63 Diphenylhydrazine	0.067	<0.067	<0.067
64 4-Bromophenyl-phenylether	0.067	<0.067	<0.067
65 Phenacetin	0.067	<0.067	<0.067
66 Hexachlorobenzene	0.067	<0.067	<0.067
67 4-Aminobiphenyl	0.067	<0.067	<0.067
68 Pentachlorophenol	0.067	<0.067	<0.067
69 Pentachloronitrobenzene	0.067	<0.067	<0.067
70 Pronamide	0.067	<0.067	<0.067
71 Phenanthrene	0.067	<0.067	<0.067
72 Anthracene	0.067	<0.067	<0.067
73 Di-n-butylphthalate	0.067	<0.067	<0.067
74 Fluoranthene	0.067	<0.067	<0.067
75 Benzidine	0.067	<0.067	<0.067
76 Pyrene	0.067	<0.067	<0.067
77 p-(Dimethylamino)azobenzene	0.067	<0.067	<0.067
78 Butylbenzylphthalate	0.067	<0.067	<0.067
79 Benzo[a]anthracene	0.067	<0.067	<0.067
80 3,3'-Dichlorobenzidine	0.067	<0.067	<0.067

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: DYKE BROWNING

703 E. CLINTON
HOBBS, NM 88240

FAX TO:

Analysis Date: 10/09/96

Sampling Date: 10/01/96

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: JP

Analyzed By: BC

Receiving Date: 10/01/96

Reporting Date: 10/10/96

Project Number: NOT GIVEN

Project Location: EUNICE SPILL

Project Name: HALLIBURTON BC-2 HAL-TANK

Sample ID: SOIL FROM SPILL SITE

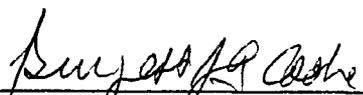
Lab Number: H2663-1

SEMIVOLATILES - 8270 (ppm)	Detection Limit	Sample Result H2663-1	Method Blank
81 Chrysene	0.067	<0.067	<0.067
82 bis (2-Ethylhexyl) phthalate	0.067	0.082	0.149
83 Di-n-octylphthalate	0.067	<0.067	<0.067
84 Benzo [b] fluoranthene	0.067	<0.067	<0.067
85 Benzo [k] fluoranthene	0.067	<0.067	<0.067
86 7,12-Dimethylbenz (a) anthracen	0.067	<0.067	<0.067
87 Benzo [a] pyrene	0.067	<0.067	<0.067
88 3- Methylcholanthrene	0.067	<0.067	<0.067
89 Dibenzo (a,j) acridine	0.067	<0.067	<0.067
90 Indeno [1,2,3-cd] pyrene	0.067	<0.067	<0.067
91 Dibenz [a,h] anthracene	0.067	<0.067	<0.067
92 Benzo [g,h,i] perylene	0.067	<0.067	<0.067

	QC	True Value QC	% Recovery
93 Nitrobenzene-d5	0.051	0.050	102
94 2-Fluorobiphenyl	0.051	0.050	102
95 Terphenyl-d14	0.052	0.050	104

The run was extended and the following tentatively identified compounds were found:
Diocyl Adipate, Hexenol, unknown Isobutyrate.

Note: No glycols, glycol ethers, or amines were detected.


Burgess J. A. Cooke, Ph. D.


Date

Pat Sanchez

From: Wayne Price
Sent: Wednesday, October 02, 1996 2:00 PM
To: Pat Sanchez
Cc: Jerry Sexton; Roger Anderson
Subject: Halliburton Chemical Spill-4 mi w of Eunice NM Hwy 176

Dear Pat,

RE: Telephone conversation with Steve Luscombe-Halliburton Mgr.

Halliburton had a chemical spill on Oct 1, 1996 4 mi. W of Eunice NM. on NM Hwy 176. Material spilled was BC2 40% EG, 10 % MEA, water. Haz mat crew responded and all contaminated soil and debris (Approx. 3 yds total) was picked up and carried back to Halliburton's Hobbs yard GW-074.

Steve Luscombe of Halliburton is going to check his discharge plan and see if this type of waste stream is already covered in plan. If not then he will seek approval from NMOCD for disposal. Halliburton plans to dispose of this material at the Halliburton TSDF facility located in Duncan OK.

In order for NMOCD to be able to approve of the disposal, halliburton must demonstrate material is non-hazardous per RCRA. If material is classified as hazardous waste then halliburton should contact the NM Environmental Department 505-827-1558 for guidance and copy NMOCD on final disposal.

Halliburton will submit spill report per rule 116 and final clean-up activities that took place at the spill site per NMOCD Leak & Spill guidelines.

cc: Steve Luscombe-Halliburton Hobbs NM Yard
fax# 505-392-7062



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

August 20, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-594-835-308

Mr. Steve Luscombe
Facility Coordinator
Halliburton Energy Services
5801 Lovington Hwy.
Hobbs, NM 88240

RE: Soil Assessment
Minor Modification
"Double Wall Sump"
GW-074

Dear Mr. Luscombe:

The New Mexico Oil Conservation Division (OCD) has received the Halliburton letter dated August 5, 1996 (via Fax and hard copy by mail) addressing condition number one or "Soil Assessment" of the Minor Modification approved in the letter dated July 26, 1996 from OCD.

Note, that OCD approval does not relieve Halliburton of liability should operation of the facility result in contamination of surface waters, ground waters or the environment.

If you have any questions please feel free to call me at (505)-827-7152 or Pat Sanchez at (505)-827-7156.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/pws

XC: Mr. Wayne Price - Environmental Engineer

P 594 835 308

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Steve Luscombe</i>	
Street & Number <i>Halliburton - GW-074</i>	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

August 5, 1996

1-8-96

Mr. Roger C. Anderson
Environmental Bureau Chief
New Mexico OCD
2040 South Pacheco
P.O. Box 6429
Santa Fe, New Mexico 87505-5472

RE: Minor Modification
"Double Wall Sump"
GW-074
Condition I-**Soil Assessment**

Dear Mr. Anderson,

Per your request in the letter dated July 26, 1996 Halliburton Energy Services has conducted the following activities relative to assessing TPH contamination of the sump area at our chemical terminal. Soil samples were collected according to the intervals indicated below and delivered to Cardinal Laboratories in Hobbs, New Mexico for analysis. The analytical results were:

Sample 1	12" under sump	709 ppm TRPHC
Sample 2	24" under sump	366 ppm TRPHC
Sample 3	36" under sump	122 ppm TRPHC
Sample 4	48" under sump	97 ppm TRPHC

At Sample 4 depth, eight to ten feet below grade, a hard calichie cap was encountered and we were unable to penetrate this rock barrier. The soil down to this depth was removed with a back hoe and placed at the back of our facility pending analytical results to profile the waste. It is our intention to transport the soil (approximately 10 cubic yards) to the CRI landfill facility in Southeast New Mexico.

We have several monitor wells on the property which indicates a fairly constant depth to water at 51 to 59 feet. Given the analytical trend and the calachie barrier it is our position that the contamination does not extend to groundwater.

With approval from New Mexico OCD, Halliburton Energy Services wishes to proceed with the installation of the double wall sump per our request. To expedite the process I have faxed a copy of this letter to Pat Sanchez of your office in Sante Fe, New Mexico. Mr. Sanchez has corresponded with Steve Luscombe, facility coordinator at our Hobbs facility.

Please advise if you need additional information.

Regards,

Sherman Pierce

Sherman Pierce
Environmental Coordinator
Halliburton Energy Services
4000 North Big Spring, Ste. 200
Midland, Texas 79705

em: Steve Luscombe-HES Facility Coordinator Hobbs, New Mexico
Matt Ratliff-HES Environmental Engineer Duncan, Oklahoma
fax: Pat Sanchez-NMOCD Environmental Engineer Sante Fe, New Mexico