

NM1 - 3

C-138

YEAR(S):
2004

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised June 10, 2003

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator Halliburton Energy Service
2. Management Facility Destination Sundance Services Inc.	5. Originating Site Lovington Baroid Site
3. Address of Facility Operator P.O. Box 1737 Eunice, NM 88231	6. Transporter Unknown Walton
7. Location of Material (Street Address or ULSTR) 401 E. Ave R Lovington, NM 88260	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job. ☒ B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following analytical results are from Halliburton's Baroid Facility. During clean up on old yard this material was found in a buried pit. It is believed to be drilling mud, drilling mud products, sacks, boards and contaminated soil. This waste was generated by cleaning out this material tanks brought back from location and dispose of busted sack material. I have attached a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Eunice facility.

Estimated Volume 1000 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Don L. Roach TITLE: President DATE: _____
 Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna L. Roach TELEPHONE NO. 505-394-2511

E-MAIL ADDRESS ssidonna@aol.com

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Monty J. Ly- TITLE: Environmental Geologist DATE: 4-26-04

1-040920

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 401 East Ave. "R", Lovington, NM 88210

GENERATING SITE: Halliburton Energy Services, 401 East Ave. "R", Lovington, NM

COUNTY: Lea

STATE: New Mexico

TYPE OF WASTE: Dried out drilling mud, wet/sludge drilling mud, soil contaminated with drilling mud, pallets, trash

ESTIMATED VOLUME:) 1,000 yards

GENERATING PROCESS: During clean up of property, a pit was uncovered containing Drilling mud, drilling mud products, sacks, boards, and contaminated soil. It appears that this pit was used to clean out material tanks brought back from location and dispose of busted sacks of material.

REMARKS: To our knowledge, NONE of the waste went into a oil or gas well. The attached analytical is a composite of the material found in the pit.

NMOCD FACILITY: Sundance

TRUCKING COMPANY: Sundance or third party contractor (E.D. Walton)

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's EPA July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant of the provisions of 40 CFR Part 261 to verify the nature as Non-Hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subpart C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613>

AGENT: Stephen W. Bailey

NAME: STEPHEN W. BAILEY

ADDRESS: 5801 LOVINGTON HWY, HOBBS, NM 88240

PHONE: 505-392-0701 or 505-631-1817

DATE: 4-21-04



ARDINAL LABORATORIES

PHONE (505) 673-7001 • 2111 BEECHWOOD • ARLINE, TX 75009

PHONE (505) 593-2288 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN BAILEY
6801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 04/20/04
Reporting Date: 04/22/04
Project Number: LOVINGTON DUMP SITE
Project Name: LOVINGTON BAIRD CLEANUP
Project Location: NOT GIVEN

Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:	04/21/04	04/21/04	04/21/04	04/21/04	04/21/04	04/21/04	04/21/04	04/21/04	04/21/04
EPA LIMITS:	5	5	100	1	5	5	0.2	1	
H8820-1	<1	<1	<50	<0.1	<1	<2	<0.02	<0.1	
Quality Control	0.066	5.056	23.96	0.973	4.718	4.713	0.0100	0.154	
True Value QC	0.060	5.000	24.00	1.000	5.000	5.000	0.0100	0.150	
% Recovery	110	101	96.8	97.3	94.4	94.3	100	103	
Relative Standard Deviation	7.8	0.2	5.0	0.1	0.6	1.1	1.0	1.1	
METHODS: EPA 1311, 6004-91	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2	

Amy Hill
Chemist

4/22/04
Date

H8820

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 to client for analysis. 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, without limitation, business interruptions, loss of data, or loss of profits suffered 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.



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PHONE (505) 383-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN W. BAILEY
6801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 382-0746

Receiving Date: 04/20/04
Reporting Date: 04/22/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEAN-UP
Project Location: LOVINGTON DUMP SITE

Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		04/22/04	04/22/04	04/21/04	04/21/04
H8820-1	-	Not reactive	Not reactive	8.79	Nonflammable
Quality Control		NR	NR	7.06	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.3	NR

METHOD: EPA SW-846 7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Stephen W. Bailey
Chemist

4/22/04
Date

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ARDINAL LABORATORIES

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PHONE (806) 383-2320 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN W. BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (806) 382-0745**

Receiving Date: 04/20/04
Reporting Date: 04/21/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEAN-UP
Project Location: LOVINGTON DUMP SITE

Analysis Date: 04/20/04
Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER SAMPLE ID TPH
(mg/Kg)

H8520-1	24200
Quality Control	240
True Value QC	240
% Recovery	100
Relative Percent Difference	4.7

METHOD: EPA 418.1

Barry J. Carter
Chemist

4/21/04
Date

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PHONE (806) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN W. BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 04/20/04
Reporting Date: 04/22/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEAN-UP
Project Location: LOVINGTON DUMP SITE
Lab Number: H8620-1
Sample ID: -

Analysis Date: 04/21/04
Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H8620-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.010	20	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.040	80	0.050
o-Cresol	200	<0.020	<0.005	0.039	78	0.050
m, p-Cresol	200	<0.020	<0.005	0.032	64	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.038	78	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.043	86	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.044	88	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.053	108	0.050
2,4,6-Trichlorophenol	400	<0.020	<0.005	0.054	108	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.051	102	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.049	98	0.050
Pentachlorophenol	100	<0.020	<0.005	0.036	72	0.050

% RECOVERY

Fluorophenol	63
Phenol-d5	35
Nitrobenzene-d5	72
2-Fluorobiphenyl	69
2,4,6-Tribromophenol	107
Terphenyl-d14	87

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Collins
Burgess J. A. Collins, Ph. D.

4/22/04
Date

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 sixty (60) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits suffered by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above-stated remedy or otherwise.



CARDINAL LABORATORIES

PHONE (806) 675-7801 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (806) 383-2528 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN W. BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 992-0745

Receiving Date: 04/20/04
Reporting Date: 04/21/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEAN-UP
Project Location: LOVINGTON DUMP SITE
Lab Number: H8620-1
Sample ID: -

Analysis Date: 04/21/04
Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H8620-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.092	82	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.061	81	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.063	83	0.100
Chloroform	6.0	<0.005	<0.005	0.088	88	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.097	97	0.100
Benzene	0.5	<0.005	<0.005	0.089	89	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.085	85	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.089	88	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.098	98	0.100
Chlorobenzene	100	<0.005	<0.005	0.103	103	0.100
1,4-Dichlorobenzene*	7.5	0.017	0.014	0.084	84	0.100

*Analyte detected at comparable levels in the sample & method blank.

% RECOVERY	
Dibromofluoromethane	88
Toluene-d8	91
Bromofluorobenzene	94

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.
Burgess J. A. Cooke, Ph. D.

4/21/04
Date

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

Joanna Prukop
Cabinet Secretary
Acting Director
Oil Conservation Division

FAX TRANSMITTAL

TO: MARTINE KIELING
FROM: LARRY
RE: _____
DATE: 4.29.04

NO. OF PAGES 8 INCLUDING COVERSHEET

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised June 10, 2003

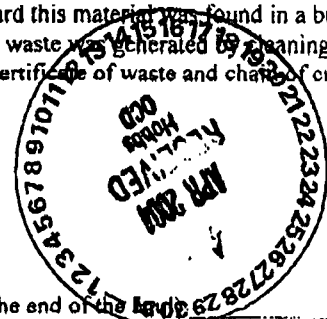
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator Halliburton Energy Service
2. Management Facility Destination Sundance Services Inc.	5. Originating Site Lovington Baroid Site
3. Address of Facility Operator P.O. Box 1737 Eunice, NM 88231	6. Transporter Unknown Walton
7. Location of Material (Street Address or ULSTR) 401 E. Ave R Lovington, NM 88260	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following analytical results are from Halliburton's Baroid Facility. During clean up on old yard this material was found in a buried pit. It is believed to be drilling mud, drilling mud products, sacks, boards and contaminated soil. This waste was generated by cleaning out this material tanks brought back from location and dispose of busted sack material. I have attached a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Eunice facility.



Estimated Volume 1000 cy Known Volume (to be entered by the operator at the end of the load) 1000 cy

SIGNATURE Donna L. Roach TITLE: President DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna L. Roach TELEPHONE NO. 505-394-2511

E-MAIL ADDRESS ssidonna@aol.com

(This space for State Use)

APPROVED BY: DENIED TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

ATTACHED SAMPLE IS FROM SURFACE - PIT CLOSURE WILL REQUIRE APPROVAL
PAPER FULL DELINEATION IS SUBMITTED.



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79605

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 401 East Ave. "R", Lovington, NM 88210

GENERATING SITE: Halliburton Energy Services, 401 East Ave. "R", Lovington, NM

COUNTY: Lea

STATE: New Mexico

TYPE OF WASTE: Dried out drilling mud, wet/sludge drilling mud, soil contaminated with drilling mud, pallets, trash

ESTIMATED VOLUME:) 1,000 yards

GENERATING PROCESS: During clean up of property, a pit was uncovered containing Drilling mud, drilling mud products, sacks, boards, and contaminated soil. It appears that this pit was used to clean out material tanks brought back from location and dispose of busted sacks of material.

REMARKS: To our knowledge, NONE of the waste went into a oil or gas well. The attached analytical is a composite of the material found in the pit.

NMOCD FACILITY: Sundance

TRUCKING COMPANY: Sundance or third party contractor (E.D. Walton)

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection agency's EPA July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant of the provisions of 40 CFR Part 261 to verify the nature as Non-Hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subpart C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3>

AGENT: Stephen W. BaileyNAME: STEPHEN W. BAILEYADDRESS: 5801 LOVINGTON HWY, HOBBS, NM 88240PHONE: 505-392-0701 or 505-631-1817DATE: 4-21-04



ARDINAL LABORATORIES

PHONE (325) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN W. BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 382-0745

Receiving Date: 04/20/04
Reporting Date: 04/22/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEAN-UP
Project Location: LOVINGTON DUMP SITE

Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		04/22/04	04/22/04	04/21/04	04/21/04
H8620-1	-	Not reactive	Not reactive	8.79	Nonflammable
Quality Control		NR	NR	7.05	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.3	NR

METHOD: EPA SW-846 7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Stephen W. Bailey
Chemist

4/22/04
Date

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 as shown, excluding 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. If no written notice is received by Cardinal within this time, Cardinal shall be liable for incidental or consequential damages, including, without limitation, 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.



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PHONE (806) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN W. BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0746

Receiving Date: 04/20/04
Reporting Date: 04/21/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEAN-UP
Project Location: LOVINGTON DUMP SITE

Analysis Date: 04/20/04
Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)
H8620-1	-	24200
Quality Control		240
True Value QC		240
% Recovery		100
Relative Percent Difference		4.7

METHOD: EPA 418.1

Buyer's J. A. Cook
Chemist

4/21/04
Date

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ARDINAL LABORATORIES

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PHONE (505) 383-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEPHEN W. BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 04/20/04
Reporting Date: 04/22/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEAN-UP
Project Location: LOVINGTON DUMP SITE
Lab Number: H8620-1
Sample ID: -

Analysis Date: 04/21/04
Sampling Date: 04/19/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H8620-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.010	20	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.040	80	0.050
o-Cresol	200	<0.020	<0.005	0.039	78	0.050
m, p-Cresol	200	<0.020	<0.005	0.032	64	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.038	78	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.043	86	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.044	88	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.053	108	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.054	108	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.051	102	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.049	98	0.050
Pentachlorophenol	100	<0.020	<0.005	0.036	72	0.050

% RECOVERY

Fluorophenol	53
Phenol-d5	35
Nitrobenzene-d5	72
2-Fluorobiphenyl	69
2,4,6-Tribromophenol	107
Terphenyl-d14	87

METHODS: EPA SW-846 1311, 8270, 3610

Burgess J. A. Cooke, Ph.D.

4/22/04
Date

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 analysis. 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, without limitation, 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.

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

APR 12 2004

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

Submit
Plu
to ap
Distri

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site HOBBS FACI
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter UNKNOWN
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	7. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 LOVINGTON, hyHOBBS, N.M. 88240	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis. PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The attached MSDS is for sand mixed at Halliburton's Hobbs facility. This material becomes a waste when there is material left over from sand frac jobs. Sundance would like approval to accept this material into our Parabo Disposal Facility.

Note: This is an ongoing waste stream.

PLEASE reference last approval dated 3-11-03 for MSDS

MSDS Submitted 2-28-02
Approved 2-25-02

Estimated Volume 200 yds cy Known Volume (to be entered by the operator at the end of the haul)

SIGNATURE: Donna L. Roach TITLE: OFFICE MGR DATE: 4-2-04
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro EGR DATE: 4-7-04
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 4-13-04

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: HES

ADDRESS: 5801 Lovington Hwy Hobbs, NM

GENERATING SITE: HES

COUNTY Lea STATE NM

TYPE OF WASTE: SAND

ESTIMATED VOLUME: 50,000 lbs.

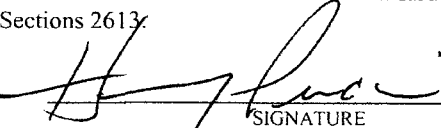
GENERATING PROCESS: Unused on job

REMARKS: _____

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Hes

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous of listed waste" pursuant to the provisions of 40 CFR, Part 261, subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT: 

SIGNATURE

NAME: HARVEY PRICE

PRINTED

ADDRESS: 5801 Lovington Hwy., Hobbs, NM 88240

DATE: 3/31/2004

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-1
Revised March 17, 19

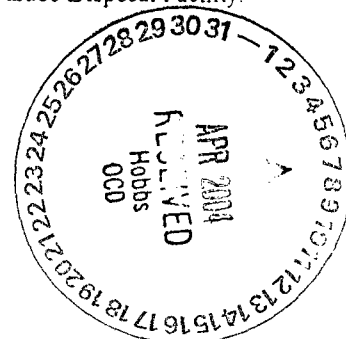
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☐ ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator Electric Submersible Pump
2. Management Facility Destination Sundance Services Inc.	5. Originating Site Hobbs Pump Yard
3. Address of Facility Operator P.O. Box 1737 Eunice NM 88231	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso Hobbs New Mexico 88241	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following analytical results are from Electric Submersible Pump's Hobbs Facility. This waste is generated by the washing off of oilfield rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I have attached a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo Disposal Facility.



Estimated Volume 240 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Donna Roach TITLE: President DATE: 4-5-04
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna Roach TELEPHONE NO. 505-394-2511

2-403170

(This space for State Use)

APPROVED BY: [Signature] TITLE: Environ Eng DATE: 4-7-04
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 4-13-04

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: ESP 8426 N. DAL PASO HOBBS N.M. 88240SOURCE: OIL FIELD RINSEDISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for ESP
concur with the status of the waste from the subject site.

Name RANDY HINDS
Title/Agency ESP
Address 8426 N. DAL PASO
HOBBS N.M. 88240
Signature Randy Hinds
Date 4-5-04



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR

ESP

ATTN: RANDY HINDS

8428 N. DAL PASO

HOBBS, NM 88240

FAX TO:

Receiving Date: 08/29/02

Reporting Date: 09/04/02

Project Number: NOT GIVEN

Project Name: PUMP TESTING WATER

Project Location: NOT GIVEN

Sampling Date: 08/29/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		09/03/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/03/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6992-1		<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.049	4.935	48.29	0.956	4.972	5.040	0.0089	0.149
True Value QC		0.050	5.000	50.00	1.000	5.000	5.000	0.0100	0.150
% Recovery		98.0	98.7	96.6	95.6	99.4	101	99.0	99.3
Relative Standard Deviation		1.6	0.2	3.2	0.2	0.7	1.3	1.0	4.1
METHODS: EPA 1311, 600/4-91		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

9-4-02
Date

H6992

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CARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR ESP

ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 09/03/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN

Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO. SAMPLE ID	REACTIVITY			
	Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:	08/30/02	08/30/02	08/29/02	08/30/02
H8902-1	Not reactive	Not reactive	6.80	>140
Quality Control	NR	NR	7.04	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	101	NR
Relative Percent Difference	NR	NR	0.1	NR

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261

Randy Hinds
Chemist

9/3/02
Date

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

ANALYTICAL RESULTS FOR

ESP

ATTN: RANDY HINDS

8426 N. DAL PASO

HOBBS, NM 88240

FAX TO:

Receiving Date: 08/29/02

Reporting Date: 08/30/02

Project Number: NOT GIVEN

Project Name: PUMP TESTING WATER

Project Location: NOT GIVEN

Lab Number: H6992-1

Sample ID: -

Analysis Date: 08/29/02

Sampling Date: 08/28/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: AH

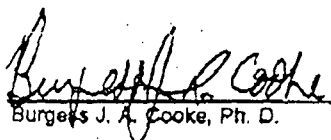
Analyzed By: BC

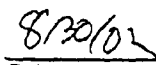
TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.109	109	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.096	95	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.084	84	0.100
Chloroform	8.0	<0.005	<0.005	0.087	87	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.090	90	0.100
Benzene	0.5	<0.005	<0.005	0.114	114	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.109	109	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.098	98	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.091	91	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.091	91	0.100

% RECOVERY

Dibromofluoromethane	95
Toluene-d8	118
Bromofluorobenzene	102

METHODS: EPA SW 846-8260, 1311


Burgett J. A. Cooke, Ph. D.


Date

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

ANALYTICAL RESULTS FOR

ESP

ATTN: RANDY HINDS

8426 N. DAL PASO

HOBBS, NM 88240

FAX TO:

Receiving Date: 08/29/02

Reporting Date: 08/30/02

Project Number: NOT GIVEN

Project Name: PUMP TESTING WATER

Project Location: NOT GIVEN

Lab Number: H6992-1

Sample ID: -

Analysis Date: 08/29/02

Sampling Date: 08/29/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: AH

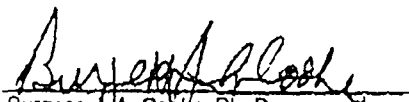
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.041	82	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.033	66	0.050
o-Cresol	200	<0.050	<0.005	0.044	88	0.050
m, p-Cresol	200	<0.050	<0.005	0.041	82	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.029	58	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.044	88	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.033	88	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.053	106	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.052	104	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.053	106	0.050
Pentachlorophenol	100	<0.050	<0.005	0.046	92	0.050

% RECOVERY

Fluorophenol	56
Phenol-d5	42
Nitrobenzene-d5	93
2-Fluorobiphenyl	89
2,4,6-Tribromophenol	112
Terphenyl-d14	74

METHODS: EPA SW-846 1311, 8270, 3510


Burgess J.A. Coble, Ph. D.

8/30/02
Date

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District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

MAR 15 2004

Form C-138
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

OIL CONSERVATION
DIVISION

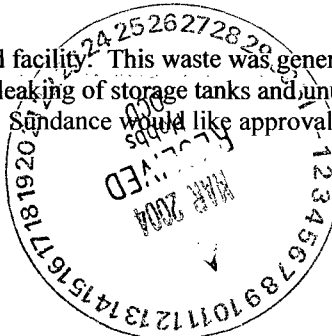
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☐ ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator Halliburton Baroid Facility
2. Management Facility Destination Sundance Services Inc.	5. Originating Site Baroid Facility
3. Address of Facility Operator P.O. Box 1737 Eunice NM 88231	6. Transporter
7. Location of Material (Street Address or ULSTR) 401 East Ave. R Lovington NM 88210	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The attached analytical results are from Halliburton Energy's Baroid facility. This waste was generated from drilling mud in the storage tanks that was never used. Contaminated soil was generated by the leaking of storage tanks and unused material being emptied on the ground. I have included a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Parabo Disposal Facility.



Estimated Volume 300 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Donna L. Roach TITLE: President DATE: 2/27/04
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna L. Roach TELEPHONE NO. 505-394-2511

E-MAIL ADDRESS ssidonna@aol.com

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Environ Eng</u>	DATE: <u>3/10/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Environmental Geologist</u>	DATE: <u>3/15/04</u>

1-504-1-3

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 401 East Ave. "R", Lovington, NM 88210

GENERATING SITE: Halliburton Energy Services, 401 East Ave. "R", Lovington, NM

COUNTY: Lea

STATE: New Mexico

TYPE OF WASTE: Dried out drilling mud, wet/sludge drilling mud, soil contaminated with drilling mud, pallets, trash

ESTIMATED VOLUME:) Less than 300 yards

GENERATING PROCESS: Drilling mud in the storage tanks was material let over that was never used or taken to a well site. The contaminated soil comes from dry storage tanks being emptied on the ground of material that was not used on a well site. Contaminated soil from leaking storage tanks, Trash & pallets were scattered about property.

REMARKS: NONE of the waste went into a oil or gas well. The attached analytical is a composite of the material in the storage tanks, soil inside the tank containment area, soil contaminated outside the mud plant area.

NMOCD FACILITY: Sundance

TRUCKING COMPANY: Sundance

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection agency's EPA July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant of the provisions of 40 CFR Part 261 to verify the nature as Non-Hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subpart C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613>

AGENT: Stephen W. Bailey

NAME: STEPHEN W. BAILEY

ADDRESS: 5801 LOVINGTON HWY, HOBBS, NM 88240

DATE: 2-27-04



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

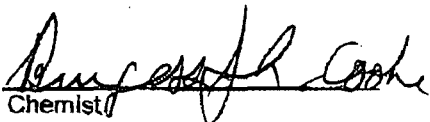
ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 02/20/04
Reporting Date: 02/25/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEANUP
Project Location: NOT GIVEN

Analysis Date: 02/24/04
Sampling Date: 02/20/04
Sample Type: SLUDGE/SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)
H8479-1	COMPOSITE	6820
Quality Control		245
True Value QC		240
% Recovery		102
Relative Percent Difference		4.5

METHOD: EPA 418.1


Chemist

2/25/04
Date

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, without limitation, 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.

H8479T.XLS



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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 02/20/04
Reporting Date: 02/23/04
Project Owner: HALLIBURTON
Project Name: LOVINGTON BAROID CLEANUP
Project Location: LOVINGTON, NM

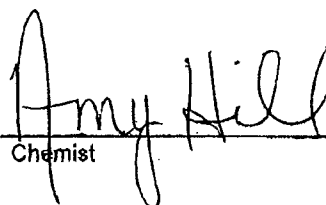
Sampling Date: 02/20/04
Sample Type: SLUDGE/SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

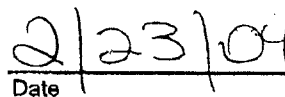
TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
---------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

ANALYSIS DATE:	02/23/04	02/23/04	02/23/04	02/23/04	02/23/04	02/23/04	02/23/04	02/23/04	02/23/04
EPA LIMITS:	5	5	100	1	5	5	0.2	1	
H8479-1 COMPOSITE	<1	<1	<5	<0.2	<1	<1	<0.02	<0.1	
Quality Control	0.051	4.926	22.51	1.002	4.928	4.666	0.0095	0.049	
True Value QC	0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.050	
% Recovery	102	98.5	90.0	100	98.6	93.3	95.0	98.0	
Relative Standard Deviation	2.1	1.0	0.8	1.0	1.0	0.3	5.6	3.4	

METHODS: EPA 1311, 600/4-81,	208.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2	
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Chemist


Date

H8479

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (606) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 02/20/04
Reporting Date: 02/24/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEANUP
Project Location: NOT GIVEN

Sampling Date: 02/20/04
Sample Type: SLUDGE/SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		02/23/04	02/23/04	02/23/04	02/23/04
H8479-1	COMPOSITE	Not reactive	Not reactive	6.97	Nonflammable
Quality Control		NR	NR	7.04	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0	NR

METHOD: EPA SW-846 7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Bryant R. Cooke
Chemist

2/24/04
Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 02/20/04
Reporting Date: 02/24/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEANUP
Project Location: NOT GIVEN
Lab Number: H8479-1
Sample ID: COMPOSITE

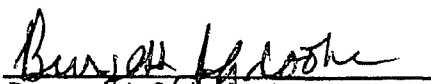
Analysis Date: 02/23/04
Sampling Date: 02/20/04
Sample Type: SLUDGE/SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H8479-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.011	22	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.027	54	0.050
o-Cresol	200	<0.050	<0.005	0.043	86	0.050
m, p-Cresol	200	<0.050	<0.005	0.033	66	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.045	90	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.040	80	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.044	88	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.045	90	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.044	88	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.046	92	0.050
Pentachlorophenol	100	<0.050	<0.005	0.034	68	0.050

% RECOVERY

Fluorophenol	55
Phenol-d5	42
Nitrobenzene-d5	74
2-Fluorobiphenyl	80
2,4,6-Tribromophenol	113
Terphenyl-d14	110

METHODS: EPA SW-846 1311, 8270, 3510


Burgess J.A. Cooke, Ph. D.

2/24/04
Date

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ARDINAL LABORATORIES

PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO: (505) 392-0745

Receiving Date: 02/20/04
Reporting Date: 02/24/04
Project Number: NOT GIVEN
Project Name: LOVINGTON BAROID CLEANUP
Project Location: NOT GIVEN
Lab Number: H8479-1
Sample ID: COMPOSITE

Analysis Date: 02/23/04
Sampling Date: 02/20/04
Sample Type: SLUDGE/SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H8479-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.105	105	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.110	110	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.097	97	0.100
Chloroform	6.0	<0.005	<0.005	0.107	107	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.107	107	0.100
Benzene	0.5	0.007	<0.005	0.107	107	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.108	108	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.108	108	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.104	104	0.100
Chlorobenzene	100	<0.005	<0.005	0.106	106	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.104	104	0.100

% RECOVERY

Dibromofluoromethane	99
Toluene-d8	92
Bromofluorobenzene	92

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke
Burgess J. A. Cooke, Ph. D.

2/24/04
Date

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

MAR 03 2004

OIL CONSERVATION
DIVISION

Form C-138
Revised June 10, 2003

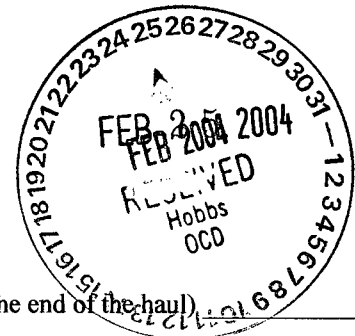
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator Bruckner Truck Sales
2. Management Facility Destination Sundance Services Inc.	5. Originating Site wash bay sump
3. Address of Facility Operator P.O. Box 1737 Eunice NM 88231	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) 2121 West County Rd, Hobbs, NM 88240	8. State NM
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following analytical are from Bruckner's Truck Sales Hobbs facility. This waste was generated by the washing of trucks and shop tools into the grit trap. I have included a certificated of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo Facility.



Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Don L Roach TITLE: President DATE: 2-24-04
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Donna L. Roach TELEPHONE NO. 505-394-2511 x 201
E-MAIL ADDRESS ssidonna@aol.com

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro Engr DATE: 2-25-04
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 3-4-04

030404-2

AHN: DONA

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: 2121 West County Rd Hobbs NM.SOURCE: WASH. BAY 392-7571DISPOSAL LOCATION: SUNDANCE SERVICES INC.

3-4-04

60 to 70% of
Business is
oil fieldHeavy Duty
Mack & Volvo truck
Sales.Supp Fills up once
to twice a year.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1983 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.5.

I, the undersigned as the agent for BRUCKNER TRUCK SALES
concur with the status of the waste from the subject site.

Name GARY SCHRIEBTitle/Agency SERVICE MANAGERAddress 2121 W. COUNTY RD.
HOBBS NM.Signature [Signature]Date 2-24-2004



PHONE (915) 973-7001 • 2111 BEECHWOOD • ARLINE, TX 78903
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BRUCKNER'S
ATTN: RANDY BINGHAM
2121 W. COUNTY ROAD
HOBBS, NM 88240
FAX TO: (505) 392-3549

Receiving Date: 02/19/04
Reporting Date: 02/23/04
Project Owner: BRUCKNER'S
Project Name: WASTEWATER ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/19/04
Sample Type: #1 WASTEWATER, #2 SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		02/20/04	02/23/04	02/20/04	02/23/04	02/23/04	02/23/04	02/23/04	02/20/04
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H8473-1	WASTEWATER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H8473-2	SUMP	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.051	4.928	22.81	1.002	4.928	4.666	0.0086	0.049
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.050
% Recovery		102	98.5	90.0	100	98.6	93.3	95.0	98.0
Relative Standard Deviation		2.1	1.0	0.8	1.0	1.0	0.3	5.6	3.4
METHODS: EPA 1311, 800/4-91		208.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

2/23/04
Date

H8473

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ARDINAL LABORATORIES

PHONE (818) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR BRUCKNER'S ATTN: RANDY BINGHAM 2121 W. COUNTY RD HOBBS, NM 88240

Receiving Date: 02/19/04
Reporting Date: 02/24/04
Project Owner: BRUCKNER'S
Project Name: WASTEWATER ANALYSIS
Project Location: HOBBS, NM

FAX TO: (505) 392-8549

Sampling Date: 02/18/04
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		02/23/04	02/23/04	02/23/04	02/23/04
H8473-1	WASTEWATER	1255	Not reactive	6.02	>140
Quality Control		NR	NR	7.04	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0	NR

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261

Bryan J. Coche
Chemist

2/24/04
Date

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PHONE (505) 383-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR BRUCKNER'S

ATTN: RANDY BINGHAM
2121 W. COUNTY RD
HOBBS, NM 88240

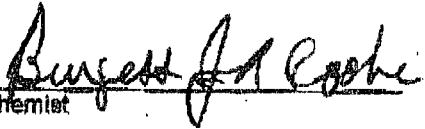
Receiving Date: 02/19/04
Reporting Date: 02/24/04
Project Owner: BRUCKNER'S
Project Name: WASTEWATER ANALYSIS
Project Location: HOBBS, NM

FAX TO: (505) 382-8549

Sampling Date: 02/19/04
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		02/23/04	02/23/04	02/23/04	02/23/04
H8473-2	SUMP	600	Not reactive	6.87	Nonflammable
Quality Control		NR	NR	7.04	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0	NR

METHOD: EPA SW-846 7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261


 Chemist

 2/24/04
 Date

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CARDINAL LABORATORIES

PHONE (915) 878-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

PHONE (505) 383-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BRUCKNER'S
ATTN: RANDY BINGHAM
2121 W. COUNTY RD
HOBBS, NM 88240
FAX TO: (505) 382-8549

Receiving Date: 02/19/04
Reporting Date: 02/21/04
Project Owner: BRUCKNER'S
Project Name: WASTEWATER ANALYSIS
Project Location: HOBBS, NM
Lab Number: H8473-1
Sample ID: WASTEWATER

Analysis Date: 02/20/04
Sampling Date: 02/19/04
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H8473-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.105	105	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.110	110	0.100
Methyl Ethyl Ketone	200	0.229	<0.050	0.097	97	0.100
Chloroform	6.0	<0.005	<0.005	0.107	107	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.107	107	0.100
Benzene	0.5	<0.005	<0.005	0.107	107	0.100
Carbon Tetrachloride	0.6	<0.005	<0.005	0.108	108	0.100
Trichloroethylene	0.6	<0.005	<0.005	0.106	106	0.100
Tetrachloroethylene	0.7	0.029	<0.005	0.104	104	0.100
Chlorobenzene	100	<0.005	<0.005	0.106	106	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.104	104	0.100

% RECOVERY

Dibromofluoromethane	82
Toluene-d8	99
Bromofluorobenzene	101

METHODS: EPA SW 845-8260, 1311

Burgess J. A. Cooke, Ph. D.
Burgess J. A. Cooke, Ph. D.

2/21/04
Date

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PHONE (816) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79403

PHONE (806) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BRUCKNER'S
ATTN: RANDY BINGHAM
2121 W. COUNTY RD
HOBBS, NM 88240
FAX TO: (505) 392-8549

Receiving Date: 02/19/04
Reporting Date: 02/21/04
Project Owner: BRUCKNER'S
Project Name: WASTEWATER ANALYSIS
Project Location: HOBBS, NM
Lab Number: HB473-1
Sample ID: WASTEWATER

Analysis Date: 02/20/04
Sampling Date: 02/19/04
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result HB473-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.011	22	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.027	54	0.050
o-Cresol	200	<0.050	<0.005	0.043	88	0.050
m, p-Cresol	200	<0.050	<0.005	0.033	66	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.045	90	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.040	80	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.044	88	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.045	90	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.044	88	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.046	92	0.050
Pentachlorophenol	100	<0.050	<0.005	0.034	68	0.050

% RECOVERY

Fluorophenol	32
Phenol-d5	29
Nitrobenzene-d5	70
2-Fluorobiphenyl	88
2,4,6-Tribromophenol	52
Terphenyl-d14	82

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J.A. Cooke
Burgess J.A. Cooke, Ph. D.

Date

2/24/04

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CARDINAL LABORATORIES

PHONE (816) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (806) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BRUCKNER'S
ATTN: RANDY BINGHAM
2121 W. COUNTY RD
HOBBS, NM 88240
FAX TO: (506) 392-8549

Receiving Date: 02/19/04
Reporting Date: 02/21/04
Project Owner: BRUCKNER'S
Project Name: WASTEWATER ANALYSIS
Project Location: HOBBS, NM
Lab Number: H8473-2
Sample ID: SUMP

Analysis Date: 02/20/04
Sampling Date: 02/19/04
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H8473-2	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.011	22	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.027	54	0.050
o-Cresol	200	<0.020	<0.005	0.043	86	0.050
m, p-Cresol	200	0.039	<0.005	0.033	86	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.045	90	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.040	80	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.044	88	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.045	90	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.044	88	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.046	92	0.050
Pentachlorophenol	100	<0.020	<0.005	0.034	68	0.050

% RECOVERY

Fluorophenol	68
Phenol-d5	39
Nitrobenzene-d5	82
2-Fluorobiphenyl	91
2,4,6-Tribromophenol	118
Terphenyl-d14	112

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.
Burgess J. A. Cooke, Ph. D.

2/2/04
Date

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PHONE (515) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2320 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BRUCKNER'S
ATTN: RANDY BINGHAM
2121 W. COUNTY RD
HOBBS, NM 88240
FAX TO: (505) 392-8549

Receiving Date: 02/19/04
Reporting Date: 02/21/04
Project Owner: BRUCKNER'S
Project Name: WASTEWATER ANALYSIS
Project Location: HOBBS, NM
Lab Number: H8473-2
Sample ID: SUMP

Analysis Date: 02/20/04
Sampling Date: 02/19/04
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H8473-2	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.105	105	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.110	110	0.100
Methyl Ethyl Ketone	200	0.080	<0.050	0.097	97	0.100
Chloroform	6.0	<0.005	<0.005	0.107	107	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.107	107	0.100
Benzene	0.5	0.008	<0.005	0.107	107	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.108	108	0.100
Trichloroethylene	0.5	0.035	<0.005	0.108	108	0.100
Tetrachloroethylene	0.7	0.073	<0.005	0.104	104	0.100
Chlorobenzene	100	<0.005	<0.005	0.106	106	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.104	104	0.100

% RECOVERY

Dibromofluoromethane	98
Toluene-d8	95
Bromofluorobenzene	99

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooks, P.H. D.

2/21/04
Date

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CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 5801 Lovington Hwy

GENERATING SITE: Hobbs Yard

COUNTY Lea STATE NM

TYPE OF WASTE: Cement

ESTIMATED VOLUME: 20,000 sacks

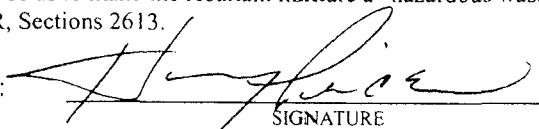
GENERATING PROCESS: Unused cement

REMARKS: _____

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Halliburton

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT: 
SIGNATURE

NAME: Harvey Price
PRINTED

ADDRESS: 5801 Lovington Hwy

DATE: 2/20/2004

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

Originated &

Submit Or
Plus 1
to appor
District C

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

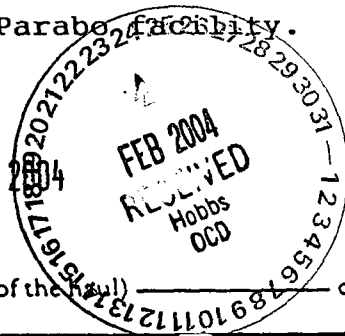
1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site HOBBS FACILI
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter CHAPARRAL
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231g. State NEW MEXICO	
7. Location of Material (Street Address or ULSTR) 5801 Lovinton HWY Hobbs, NM 88240	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following waste is generated by the washing of tools and oil equipment. This analytical is from Halliburtons Hobbs facility.

Sundance would like approval to accpet this waste into our Paraboe facility.

FEB 18 2004



Estimated Volume 300 bbls cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Donna L. Roach TITLE: OFFICE MGR DATE: 2-24-04
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro Eng DATE: 2-24-04

APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 2-24-04

Energy Minerals and Natural Resources Department

3 RECEIVED

Oil Conservation Division

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

MAR 03 2004

OIL CONSERVATION

DIVISION

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Halliburton
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs Facility
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Halliburton
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	7. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 Lovington Hwy, Hobbs, NM 88240	
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.	
☒ B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.	
All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following MSDS sheets are for Halliburton's Hobbs facility waste cement. This waste is generated when the generator mixes up cement for an oilfield cement job and some cement is left over. It is then put into a truck for holding until disposal. I have attached a certificate of waste status and MSDS on all of the cement types used by this facility. Sundance would like approval to accept this material into our disposal.

PLEASE reference last approval dated 12-05-03 for MSDS

FEB 25 2004

Estimated Volume 400 tons cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: N. Mrs. S. Road TITLE: OFFICE MGR DATE: 2-25-04

Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511 8

(This space for State Use)

APPROVED BY: SK Pluseau TITLE: Enviro Engr DATE: 7.26.05

APPROVED BY: Walter J. Kelly TITLE: Environmental Geologist DATE: 3/4/05

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: Halliburton

ADDRESS: 5801 Lovington Hwy

GENERATING SITE: Hobbs Yard

COUNTY Lea STATE NM

TYPE OF WASTE: Wash Rack Grit

ESTIMATED VOLUME: 300,000 lbs.

GENERATING PROCESS: Wash Rack Sumps

REMARKS: _____

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Chaparral

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT: _____

SIGNATURE

NAME: _____

HARVEY PRICE

PRINTED

ADDRESS: 5801 Lovington Hwy Hobbs, NM 88240

DATE: 2/11/2004



2111 Beechwood, Abilene, TX 79603	101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020	(505) 393-2326 Fax (505) 393-2476

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-1
Sample ID: LOGGIN GRIT TRAP

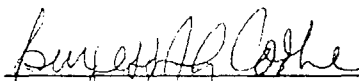
Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6538-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.018	36	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.030	60	0.050
o-Cresol	200	<0.050	<0.005	0.041	82	0.050
m, p-Cresol	200	<0.050	<0.005	0.038	76	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.050	100	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.042	84	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.042	84	0.050
Pentachlorophenol	100	<0.050	<0.005	0.044	88	0.050

% RECOVERY

Fluorophenol	39
Phenol-d5	25
Nitrobenzene-d5	77
2-Fluorobiphenyl	60
2,4,6-Tribromophenol	93
Terphenyl-d14	87

METHODS: EPA SW-846 1311, 8270, 3510


Burgess J. A. Cooke, Ph. D.

42702

Date

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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-1
Sample ID: LOGGIN GRIT TRAP

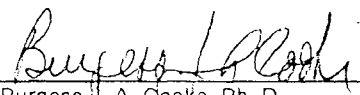
Analysis Date: 02/25/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6538-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.112	112	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.094	94	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.085	85	0.100
Chloroform	6.0	<0.005	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	<0.005	<0.005	0.100	100	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.099	99	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.099	99	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	0.018	0.018	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	103
Toluene-d8	99
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311


Burgess J. A. Cooke, Ph. D.

2/27/02

Date

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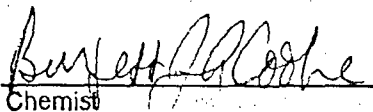
ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/L)
H6538-1	LOGGIN GRIT TRAP	1490
Quality Control		9.67
True Value QC		10.0
% Recovery		96.7
Relative Percent Difference		0.8

METHOD: EPA 418.1


Chemist

3/1/02
Date

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, without limitation, 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.

H6538T1.XLS



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)
H6538-2	COMPOSITE OF E. & W. WASHBAY SUMPS	2420
Quality Control		250
True Value QC		240
% Recovery		104
Relative Percent Difference		9.5

METHOD: EPA 418.1

Bryan A. Ashe
Chemist

3/1/02
Date

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, without limitation, 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.

H6538T2.XLS



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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

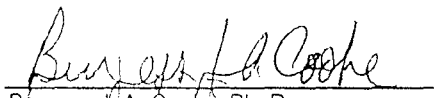
Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.112	112	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.094	94	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.085	85	0.100
Chloroform	6.0	<0.005	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	<0.005	<0.005	0.100	100	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.099	99	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.099	99	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	0.006	0.040	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	106
Toluene-d8	113
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311


Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

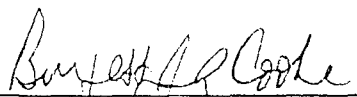
Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.018	36	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.030	60	0.050
o-Cresol	200	<0.020	<0.005	0.041	82	0.050
m, p-Cresol	200	<0.020	<0.005	0.038	76	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.050	100	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.042	84	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.042	84	0.050
Pentachlorophenol	100	<0.020	<0.005	0.044	88	0.050

% RECOVERY

Fluorophenol	49
Phenol-d5	37
Nitrobenzene-d5	67
2-Fluorobiphenyl	67
2,4,6-Tribromophenol	67
Terphenyl-d14	66

METHODS: EPA SW-846 1311, 8270, 3510


Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

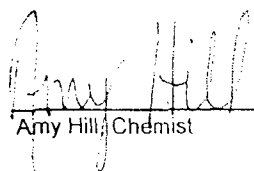
ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER #2 SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		02/27/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	02/28/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6538-1	LOGGING GRIT TRAP	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H6538-2	COMP. EAST & WEST WASHBAY SUMPS	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.150	4.601	21.62	0.976	4.634	4.380	0.00662	0.156
True Value QC		0.150	5.000	25.00	1.000	5.000	5.000	0.00600	0.150
% Recovery		100	92.0	86.5	97.6	92.7	87.6	110	104
Relative Standard Deviation		0.7	0.2	3.3	0.1	0.6	0.1	10.3	1.6
METHODS: EPA 1311, 600/4-91/011		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2


Amy Hill, Chemist

3/1/02
Date

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PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240

FAX TO:

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER
#2 SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

LAB NUMBE SAMPLE ID	REACTIVITY			
	Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:	02/27/02	02/27/02	02/27/02	02/28/02
H6538-1 LOGGING GRIT TRAP	Not reactive	Not reactive	7.47	>140
H6538-2 COMP. EAST & WEST WASHBAY SUMPS	Not reactive	Not reactive	10.4	Nonflammable
Quality Control	NR	NR	7.08	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	101	NR
Relative Percent Difference	NR	NR	0.1	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, 40 CFR 261

Amy Hill
Chemist

3-1-02
Date

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H6538r

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

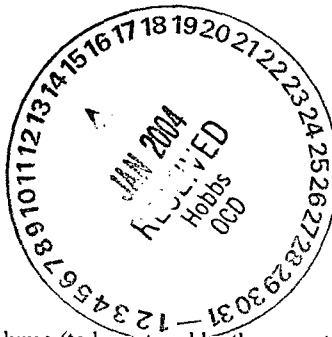
RECEIVED
JAN 22 2004
Environmental Bureau
Oil Conservation Division
Form C-133
Revised March 17, 1999
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☐ ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator Electric Submersible Pump
2. Management Facility Destination Sundance Services Inc.	5. Originating Site Hobbs Pump Yard
3. Address of Facility Operator P.O. Box 1737 Eunice NM 88231	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso Hobbs New Mexico 88241	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following analytical results are from Electric Submersible Pump's Hobbs Facility. This waste is generated by the washing off of oilfield rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I have attached a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo Disposal Facility.



Estimated Volume 240 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Donna Roach
Waste Management Facility Authorized Agent

TITLE: President

DATE: 1/13/04

TYPE OR PRINT NAME: Donna Roach

TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: Dr. Johnson

TITLE: Endro Enger

DATE: 1.15.04

APPROVED BY: Monty J. Kelly

TITLE: Environmental Geologist

DATE: 1-22-04

1-402210

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: ESP 8426 N. DAL PASO Hobbs n.m. 88240SOURCE: OILFIELD RINSALEDISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1983 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for UG/ESP
concur with the status of the waste from the subject site.

Name

Randy Hines

Title/Agency

ESP

Address

8426 N DAL PASO
HOBBS n.m. 88240

Signature

Randy Hines

Date

1-14-04

46992-1

2111 Beechwood, Adams, TX 79803 901 Esac Boulevard, Hattiesburg, MS 39324
(938) 672-7061 Fax (916) 675-7528 (204) 396-2128 Fax (988) 360-2676

	708
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Company: Acip

Grade: N/1 Exp: 88246 Date: _____

Page No.	Address

3 weeks	Project Owner:	2005
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U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

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8/20/78

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road changes. Please see western changes to (816) 873-7024

10:57 NO.004 P.01/01
PAGE 01

004 21.02

TEL: 1-505-392-8190

0880H 11.1 10.5

* Cardinal cannot accept verbal changes. Please see written changes to (816) 873-7020



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR ESP

ATTN: RANDY HINDS
8428 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 09/04/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN

Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		09/03/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/03/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6992-1		<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.049	4.935	48.29	0.956	4.972	5.040	0.0099	0.149
True Value QC		0.050	5.000	50.00	1.000	5.000	5.000	0.0100	0.150
% Recovery		98.0	98.7	96.6	95.6	99.4	101	99.0	99.3
Relative Standard Deviation		1.6	0.2	3.2	0.2	0.7	1.3	1.0	4.1
METHODS: EPA 1311, 600/4-91		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

9-4-02
Date

H6992

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PHONE (815) 679-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
ESP

ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240

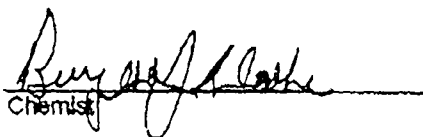
FAX TO:

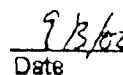
Receiving Date: 08/29/02
Reporting Date: 09/03/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN

Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		08/30/02	08/30/02	08/29/02	08/30/02
H6992-1	-	Not reactive	Not reactive	6.80	>140
Quality Control		NR	NR	7.04	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.1	NR

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261


Chemist


Date

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

ANALYTICAL RESULTS FOR

ESP

ATTN: RANDY HINDS

8426 N. DAL PASO

HOBBS, NM 88240

FAX TO:

Receiving Date: 08/29/02

Reporting Date: 08/30/02

Project Number: NOT GIVEN

Project Name: PUMP TESTING WATER

Project Location: NOT GIVEN

Lab Number: H6992-1

Sample ID: -

Analysis Date: 08/29/02

Sampling Date: 08/29/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: AH

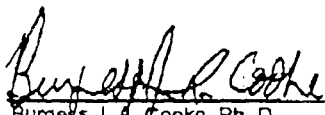
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.108	109	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.096	95	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.084	84	0.100
Chloroform	5.0	<0.005	<0.005	0.087	87	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.090	90	0.100
Benzene	0.5	<0.005	<0.005	0.114	114	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.109	109	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.098	98	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.091	91	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.091	91	0.100

% RECOVERY

Dibromofluoromethane	85
Toluene-d8	118
Bromofluorobenzene	102

METHODS: EPA SW 846-8260, 1311


Burgess J. A. Cooke, Ph. D.

8/30/02
Date

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ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR ESP

ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 08/30/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN
Lab Number: H6992-1
Sample ID: -

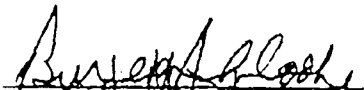
Analysis Date: 08/29/02
Sampling Date: 08/28/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.041	82	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.033	66	0.050
o-Cresol	200	<0.050	<0.005	0.044	88	0.050
m, p-Cresol	200	<0.050	<0.005	0.041	82	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.029	58	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.044	88	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.033	88	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.053	106	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.052	104	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.053	106	0.050
Pentachlorophenol	100	<0.050	<0.005	0.046	92	0.050

% RECOVERY

Fluorophenol	56
Phenol-d5	42
Nitrobenzene-d5	93
2-Fluorobiphenyl	89
2,4,6-Tribromophenol	112
Terphenyl-d14	74

METHODS: EPA SW-846 1311, 8270, 3510


Burgess J.A. Cobble, Ph. D.

8/30/02
Date

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