GW - 115

PERMITS, RENEWALS, & MODS Application

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 7/21/09

or cash received on _____ in the amount of $ 1700 00

from Halliburton

for GW-115

Submitted by: Lawrence Romero Date: 7/29/09

Submitted to ASD by: Lawrence Romero Date: 7/29/09

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment _____

RECEIVED OCD
2009 JUL 24 A 11: 29

ATTACHMENT

DISCHARGE PERMIT

APPROVAL CONDITIONS

1. **Payment of Discharge Plan Fees:** All discharge permits are subject to WQCC Regulations. Every billable facility that submits a discharge permit application will be assessed a filing fee of $100.00, plus a flat fee (*see* WQCC Regulation 20.6.2.3114 NMAC). The Oil Conservation Division ("OCD") has received the required $100.00 filing fee. The flat fee for an oil and gas service company is $1700.00. Please submit this amount along with the signed permit conditions. Checks should be made out to the New Mexico Water Quality Management Fund.

2. **Permit Expiration, Renewal Conditions and Penalties:** Pursuant to WQCC Regulation 20.6.2.3109.H.4 NMAC, this permit is valid for a period of five years. **The permit will expire on January, 13, 2014** and an application for renewal should be submitted no later than 120 days before that expiration date. Pursuant to WQCC Regulation 20.6.2.3106.F NMAC, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved. ***Expired permits are a violation of the Water Quality Act {Chapter 74, Article 6, NMSA 1978} and civil penalties may be assessed accordingly.***

3. **Permit Terms and Conditions:** Pursuant to WQCC Regulation 20.6.2.3104 NMAC, when a permit has been issued, the owner/operator must ensure that all discharges shall be consistent with the terms and conditions of the permit. In addition, all facilities shall abide by the applicable rules and regulations administered by the OCD pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38.

4. **Owner/Operator Commitments:** The owner/operator shall abide by all commitments submitted in its March 2009 discharge plan application, including attachments and subsequent amendments and these conditions for approval. Permit applications that reference previously approved plans on file with the division shall be incorporated in this permit and the owner/operator shall abide by all previous commitments of such plans and these conditions for approval.

5. **Modifications:** WQCC Regulation 20.6.2.3107.C and 20.6.2.3109 NMAC addresses possible future modifications of a permit. The owner/operator (discharger) shall notify the OCD of any facility expansion, production increase or process modification that would result in any significant modification in the discharge of water contaminants. The Division Director may require a permit modification if any water quality standard specified at 20.6.2.3103 NMAC is being or will be exceeded, or if a toxic pollutant as defined in WQCC Regulation 20.6.2.7 NMAC is present in ground water at any place of withdrawal for present or reasonably foreseeable future use, or that the Water Quality Standards for Interstate and Intrastate streams as specified in 20.6.4 NMAC are being or may be violated in surface water in New Mexico.

6. **Waste Disposal and Storage:** The owner/operator shall dispose of all wastes at an OCD-approved facility. Only oil field RCRA-exempt wastes may be disposed of by injection in a Class II well. RCRA non-hazardous, non-exempt oil field wastes may be disposed of at an OCD-

approved facility upon proper waste determination pursuant to 40 CFR Part 261. Any waste stream that is not listed in the discharge permit application must be approved by the OCD on a case-by-case basis.

A. **OCD Part 35 Waste:** Pursuant to OCD Part 35 (19.15.35.8 NMAC) disposal of certain non-domestic waste without notification to the OCD is allowed at NMED permitted solid waste facilities if the waste stream has been identified in the discharge permit and existing process knowledge of the waste stream does not change.

B. **Waste Storage:** The owner/operator shall store all waste in an impermeable bermed area, except waste generated during emergency response operations for up to 72 hours. All waste storage areas shall be identified in the discharge permit application. Any waste storage area not identified in the permit shall be approved on a case-by-case basis only. The owner/operator shall not store oil field waste on-site for more than 180 days unless approved by the OCD.

7. **Drum Storage:** The owner/operator must store all drums, including empty drums, containing materials other than fresh water on an impermeable pad with curbing. The owner/operator must store empty drums on their sides with the bungs in place and lined up on a horizontal plane. The owner/operator must store chemicals in other containers, such as tote tanks, sacks, or buckets on an impermeable pad with curbing.

8. **Process, Maintenance and Yard Areas:** The owner/operator shall either pave and curb or have some type of spill collection device incorporated into the design at all process, maintenance, and yard areas which show evidence that water contaminants from releases, leaks and spills have reached the ground surface.

9. **Above Ground Tanks:** The owner/operator shall ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks. The owner/operator shall retrofit all existing tanks before discharge permit renewal. Tanks that contain fresh water or fluids that are gases at atmospheric temperature and pressure are exempt from this condition.

10. **Labeling:** The owner/operator shall clearly label all tanks, drums, and containers to identify their contents and other emergency notification information. The owner/operator may use a tank code numbering system, which is incorporated into their emergency response plans.

11. **Below-Grade Tanks/Sumps and Pits/Ponds.**

A. All below-grade tanks and sumps must be approved by the OCD prior to installation and must incorporate secondary containment with leak detection into the design. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal. All existing below-grade tanks and sumps without secondary containment and leak detection must be tested annually or as specified herein. Systems that have secondary containment with leak detection shall have a monthly inspection of the leak detection system to determine if the primary containment is leaking. Small sumps or depressions in

secondary containment systems used to facilitate fluid removal are exempt from these requirements if fluids are removed within 72 hours.

B. All pits and ponds, including modifications and retrofits, shall be designed by a certified registered professional engineer and approved by the OCD prior to installation. In general, all pits or ponds shall have approved hydrologic and geologic reports, location, foundation, liners, and secondary containment with leak detection, monitoring and closure plans. All pits or ponds shall be designed, constructed and operated so as to contain liquids and solids in a manner that will protect fresh water, public health, safety and the environment for the foreseeable future. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal.

C. The owner/operator shall ensure that all exposed pits, including lined pits and open top tanks (8 feet in diameter or larger) shall be fenced, screened, netted, or otherwise rendered non-hazardous to wildlife, including migratory birds.

D. The owner/operator shall maintain the results of tests and inspections at the facility covered by this discharge permit and available for OCD inspection. The owner/operator shall report the discovery of any system which is found to be leaking or has lost integrity to the OCD within 15 days. The owner/operator may propose various methods for testing such as pressure testing to 3 pounds per square inch greater than normal operating pressure and/or visual inspection of cleaned tanks and/or sumps, or other OCD-approved methods. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

12. Underground Process/Wastewater Lines:

A. The owner/operator shall test all underground process/wastewater pipelines at least once every five (5) years to demonstrate their mechanical integrity, except lines containing fresh water or fluids that are gases at atmospheric temperature and pressure. Pressure rated pipe shall be tested by pressuring up to one and one-half times the normal operating pressure, if possible, or for atmospheric drain systems, to 3 pounds per square inch greater than normal operating pressure, and pressure held for a minimum of 30 minutes with no more than a 1% loss/gain in pressure. The owner/operator may use other methods for testing if approved by the OCD.

B. The owner/operator shall maintain underground process and wastewater pipeline schematic diagrams or plans showing all drains, vents, risers, valves, underground piping, pipe type, rating, size, and approximate location. All new underground piping must be approved by the OCD prior to installation. The owner/operator shall report any leaks or loss of integrity to the OCD within 15 days of discovery. The owner/operator shall maintain the results of all tests at the facility covered by this discharge permit and they shall be available for OCD inspection. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

13. Class V Wells: The owner/operator shall close all Class V wells (e.g., septic systems, leach fields, dry wells, etc.) that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes unless it can be demonstrated that ground water will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD-regulated facilities that 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 (NMED).

14. Housekeeping: The owner/operator shall inspect all systems designed for spill collection/prevention and leak detection at least monthly to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices shall be emptied of fluids within 72 hours of discovery. The owner/operator shall maintain all records at the facility and available for OCD inspection.

15. Spill Reporting: The owner/operator shall report all unauthorized discharges, spills, leaks and releases and conduct corrective action pursuant to WQCC Regulation 20.6.2.1203 NMAC and OCD Part 29 (19.15.29 NMAC). The owner/operator shall notify both the OCD District Office and the Santa Fe Office within 24 hours and file a written report within 15 days. ** The OCD does not consider covering contaminated areas a remediation of the spill/release **

16. OCD Inspections: The OCD performed an inspection of this facility on April 22, 2009. Mr. Tom Hart and associates were in attendance. The OCD concluded the following (all photos are in the attached inspection photo sheet).

1. **Photo 1:** This container must be bermed to prevent run off on to the ground. Owner/operator shall re-engineer this tank to meet permit conditions. See *Condition 9* of permit conditions.
2. **Photo 2 – 3:** Run-off from the washing of trucks discharged to the ground on the east side of the facility. Owner/operator shall prevent any such future discharges.
3. **Photo 4:** This tank is a below-grade tank if fluid is kept in place indefinitely. This tank must have a secondary containment with leak detection. Owner/operator shall submit a work plan to re-engineer tank to comply with *Condition 11.*
4. **Photo 6:** Owner/operator has an unauthorized pond. See *Condition 11.B.* for pond design and criteria. Owner/operator shall submit a work plan to retrofit pond to meet *Condition 11.B.*
5. **Photos 7 - 9:** OCD notes soil contamination was identified around the pond area. Owner/operator shall properly clean up soil and prevent future unauthorized discharges on to the ground.
6. **Photo 11 – 16:** The facility has three single walled below-grade tanks without leak detection systems. Owner/operator shall clean, inspect and demonstrate the integrity of these tanks and submit results, including photos to the OCD. See *Condition 11.A* for integrity testing. Owner/operator shall submit a work plan to bring these tanks into compliance. There were indications of seepage from the tanks, Photo 12 & 15. Owner/operator shall investigate the seepage and properly clean up contamination.
7. **Photo 17 – 19:** During the time of inspection OCD was informed that this below-grade tank was not in use and out of service. The inspection concluded that the BGT was still receiving and holding liquids. Owner/operator shall properly close the below grade tank. Owner/operator shall submit a work plan to close this tank.

OCD has concluded that the overall facility is in fair condition but will need some modifications to be in compliance with its discharge plan permit. Halliburton shall submit a report with items required above. **This report is due by July 31, 2009.**

17. Storm Water: The owner/operator shall implement and maintain run-on and runoff plans and controls. The owner/operator shall not discharge any water contaminant that exceeds the WQCC standards specified in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) including any oil sheen in any stormwater run-off. The owner/operator shall notify the OCD within 24 hours of discovery of any releases and shall take immediate corrective action(s) to stop the discharge.

18. Unauthorized Discharges: The owner/operator shall not allow or cause water pollution, discharge or release of any water contaminant that exceeds the WQCC standards listed in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) unless specifically listed in the permit application and approved herein. ***An unauthorized discharge is a violation of this permit.***

19. Vadose Zone and Water Pollution: The owner/operator shall address any contamination through the discharge permit process or pursuant to WQCC 20.6.2.4000-.4116 NMAC (Prevention and Abatement of Water Pollution). The OCD may require the owner/operator to modify its permit for investigation, remediation, abatement, and monitoring requirements for any vadose zone or water pollution. Failure to perform any required investigation, remediation, abatement and submit subsequent reports will be a violation of the permit.

20. Additional Site Specific Conditions: The owner/operator shall ensure that all employees understand all permit conditions.

21. Transfer of Discharge Permit (WQCC 20.6.2.3111) Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of a facility with a discharge permit, the transferor shall notify the transferee in writing of the existence of the discharge permit, and shall deliver or send by certified mail to the department a copy of such written notification, together with a certification or other proof that such notification has in fact been received by the transferee.

Upon receipt of such notification, the transferee shall have the duty to inquire into all of the provisions and requirements contained in such discharge permit, and the transferee shall be charged with notice of all such provisions and requirements as they appear of record in the department's file or files concerning such discharge permit. The transferee (new owner/operator) shall sign and return an original copy of these permit conditions and provide a written commitment to comply with the terms and conditions of the previously approved discharge permit.

22. Closure Plan and Financial Assurance: Pursuant to 20.6.2.3107 NMAC an owner/operator shall notify the OCD when any operations of the facility are to be discontinued for a period in excess of six months. Prior to closure, or as a condition of this permit, or request from the OCD, the operator will submit an approved closure plan, modified plan, and/or provide adequate financial assurance.

23. Certification: (Owner/Operator), by the officer whose signature appears below, accepts this permit and agrees to comply with all submitted commitments, including these terms and conditions contained here. **Owner/Operator** further acknowledges that the OCD may, for good cause shown, as necessary to protect fresh water, public health, safety, and the environment, change the conditions and requirements of this permit administratively

Conditions accepted by: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment."

HALLIBURTON Energy Services
Company Name-print name above

Tom HART
Company Representative- print name

Tom Hart
Company Representative- Signature

Title Location Manager

Date: 07-20-2009

OCD Inspection: Halliburton Artesia GW - 115

Inspector(s): Leonard Lowe

Company Rep: Tom Hart and associates

Date: 04.22.09 Time: 10:10 – 12:10

Photo 1: Used oil container.

Photo 2: Down gradient from wash bay.

Photo 3: Remnants of runoff from wash area.

Photo 4: Below grade tank within a lined bermed area.

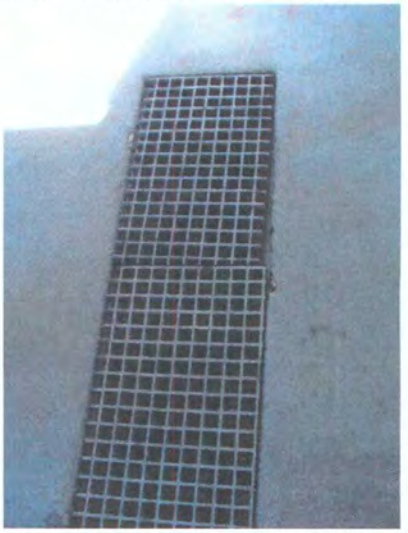


Photo 5: Sump holding fluids.

Photo 6: Wash bay effluent in holding tank.

Photo 7: Seepage or leakage within wash bay area.

Photo 8: Above ground containment of wash bay area.

Photo 9: Soil staining around fluids holding area

Photo 10: Sediments in wash bay area drainage system.

Photo 11: 1 of 3 below grade tanks associated with wash area.

Photo 12: 2 of 3 below grade tanks associated with wash area.

Photo 13: 3 of 3 below grade tanks associated with wash area.

Photo 14: Seepage noted on the out skirts of BGT.

Photo 15: Close up of seepage.

Photo 16: Contents of below grade tanks.

Photo 17: The newest below grade tank, not in use.

Photo 18: New below grade tank.

Photo 19: Contents of below grade tank.

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

June 22, 2009

Mr. Tom Hart
Halliburton Energy Services
5801 Lovington Hwy
Hobbs, N.M. 88240

Re: Discharge Permit Renewal
Halliburton Artesia Oil and Gas Service Company (GW-115)
Section 28, Township 17 South, Range 26 East, NMPM,
Eddy County, New Mexico

Dear Mr. Hart:

Pursuant to Water Quality Control Commission (WQCC) Regulations 20.6.2.3104 - 20.6.2.3114 NMAC, the Oil Conservation Division (OCD) hereby approves the discharge permit for the **Halliburton Energy Services,** (owner/operator) for the above referenced site contingent upon the conditions specified in the enclosed **Attachment to the Discharge Permit**. 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 including permit fees.**

Please be advised that approval of this permit does not relieve the owner/operator of responsibility should operations result in pollution of surface water, ground water or the environment. Nor does approval of the permit relieve the owner/operator of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If you have any questions, please contact Leonard Lowe of my staff at (505-476-3492) or E-mail leonard.lowe@state.nm.us. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Glenn von Gonten
Acting Environmental Bureau Chief

Attachments-1
xc: OCD District Office

ATTACHMENT

DISCHARGE PERMIT

APPROVAL CONDITIONS

1. Payment of Discharge Plan Fees: All discharge permits are subject to WQCC Regulations. Every billable facility that submits a discharge permit application will be assessed a filing fee of $100.00, plus a flat fee (*see* WQCC Regulation 20.6.2.3114 NMAC). The Oil Conservation Division ("OCD") has received the required $100.00 filing fee. The flat fee for an oil and gas service company is $1700.00. Please submit this amount along with the signed permit conditions. Checks should be made out to the New Mexico Water Quality Management Fund.

2. Permit Expiration, Renewal Conditions and Penalties: Pursuant to WQCC Regulation 20.6.2.3109.H.4 NMAC, this permit is valid for a period of five years. **The permit will expire on January, 13, 2014** and an application for renewal should be submitted no later than 120 days before that expiration date. Pursuant to WQCC Regulation 20.6.2.3106.F NMAC, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved. ***Expired permits are a violation of the Water Quality Act {Chapter 74, Article 6, NMSA 1978} and civil penalties may be assessed accordingly.***

3. Permit Terms and Conditions: Pursuant to WQCC Regulation 20.6.2.3104 NMAC, when a permit has been issued, the owner/operator must ensure that all discharges shall be consistent with the terms and conditions of the permit. In addition, all facilities shall abide by the applicable rules and regulations administered by the OCD pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38.

4. Owner/Operator Commitments: The owner/operator shall abide by all commitments submitted in its March 2009 discharge plan application, including attachments and subsequent amendments and these conditions for approval. Permit applications that reference previously approved plans on file with the division shall be incorporated in this permit and the owner/operator shall abide by all previous commitments of such plans and these conditions for approval.

5. Modifications: WQCC Regulation 20.6.2.3107.C and 20.6.2.3109 NMAC addresses possible future modifications of a permit. The owner/operator (discharger) shall notify the OCD of any facility expansion, production increase or process modification that would result in any significant modification in the discharge of water contaminants. The Division Director may require a permit modification if any water quality standard specified at 20.6.2.3103 NMAC is being or will be exceeded, or if a toxic pollutant as defined in WQCC Regulation 20.6.2.7 NMAC is present in ground water at any place of withdrawal for present or reasonably foreseeable future use, or that the Water Quality Standards for Interstate and Intrastate streams as specified in 20.6.4 NMAC are being or may be violated in surface water in New Mexico.

6. Waste Disposal and Storage: The owner/operator shall dispose of all wastes at an OCD-approved facility. Only oil field RCRA-exempt wastes may be disposed of by injection in a Class II well. RCRA non-hazardous, non-exempt oil field wastes may be disposed of at an OCD-

approved facility upon proper waste determination pursuant to 40 CFR Part 261. Any waste stream that is not listed in the discharge permit application must be approved by the OCD on a case-by-case basis.

A. OCD Part 35 Waste: Pursuant to OCD Part 35 (19.15.35.8 NMAC) disposal of certain non-domestic waste without notification to the OCD is allowed at NMED permitted solid waste facilities if the waste stream has been identified in the discharge permit and existing process knowledge of the waste stream does not change.

B. Waste Storage: The owner/operator shall store all waste in an impermeable bermed area, except waste generated during emergency response operations for up to 72 hours. All waste storage areas shall be identified in the discharge permit application. Any waste storage area not identified in the permit shall be approved on a case-by-case basis only. The owner/operator shall not store oil field waste on-site for more than 180 days unless approved by the OCD.

7. Drum Storage: The owner/operator must store all drums, including empty drums, containing materials other than fresh water on an impermeable pad with curbing. The owner/operator must store empty drums on their sides with the bungs in place and lined up on a horizontal plane. The owner/operator must store chemicals in other containers, such as tote tanks, sacks, or buckets on an impermeable pad with curbing.

8. Process, Maintenance and Yard Areas: The owner/operator shall either pave and curb or have some type of spill collection device incorporated into the design at all process, maintenance, and yard areas which show evidence that water contaminants from releases, leaks and spills have reached the ground surface.

9. Above Ground Tanks: The owner/operator shall ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks. The owner/operator shall retrofit all existing tanks before discharge permit renewal. Tanks that contain fresh water or fluids that are gases at atmospheric temperature and pressure are exempt from this condition.

10. Labeling: The owner/operator shall clearly label all tanks, drums, and containers to identify their contents and other emergency notification information. The owner/operator may use a tank code numbering system, which is incorporated into their emergency response plans.

11. Below-Grade Tanks/Sumps and Pits/Ponds.

A. All below-grade tanks and sumps must be approved by the OCD prior to installation and must incorporate secondary containment with leak detection into the design. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal. All existing below-grade tanks and sumps without secondary containment and leak detection must be tested annually or as specified herein. Systems that have secondary containment with leak detection shall have a monthly inspection of the leak detection system to determine if the primary containment is leaking. Small sumps or depressions in

secondary containment systems used to facilitate fluid removal are exempt from these requirements if fluids are removed within 72 hours.

B. All pits and ponds, including modifications and retrofits, shall be designed by a certified registered professional engineer and approved by the OCD prior to installation. In general, all pits or ponds shall have approved hydrologic and geologic reports, location, foundation, liners, and secondary containment with leak detection, monitoring and closure plans. All pits or ponds shall be designed, constructed and operated so as to contain liquids and solids in a manner that will protect fresh water, public health, safety and the environment for the foreseeable future. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal.

C. The owner/operator shall ensure that all exposed pits, including lined pits and open top tanks (8 feet in diameter or larger) shall be fenced, screened, netted, or otherwise rendered non-hazardous to wildlife, including migratory birds.

D. The owner/operator shall maintain the results of tests and inspections at the facility covered by this discharge permit and available for OCD inspection. The owner/operator shall report the discovery of any system which is found to be leaking or has lost integrity to the OCD within 15 days. The owner/operator may propose various methods for testing such as pressure testing to 3 pounds per square inch greater than normal operating pressure and/or visual inspection of cleaned tanks and/or sumps, or other OCD-approved methods. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

12. Underground Process/Wastewater Lines:

A. The owner/operator shall test all underground process/wastewater pipelines at least once every five (5) years to demonstrate their mechanical integrity, except lines containing fresh water or fluids that are gases at atmospheric temperature and pressure. Pressure rated pipe shall be tested by pressuring up to one and one-half times the normal operating pressure, if possible, or for atmospheric drain systems, to 3 pounds per square inch greater than normal operating pressure, and pressure held for a minimum of 30 minutes with no more than a 1% loss/gain in pressure. The owner/operator may use other methods for testing if approved by the OCD.

B. The owner/operator shall maintain underground process and wastewater pipeline schematic diagrams or plans showing all drains, vents, risers, valves, underground piping, pipe type, rating, size, and approximate location. All new underground piping must be approved by the OCD prior to installation. The owner/operator shall report any leaks or loss of integrity to the OCD within 15 days of discovery. The owner/operator shall maintain the results of all tests at the facility covered by this discharge permit and they shall be available for OCD inspection. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

13. Class V Wells: The owner/operator shall close all Class V wells (e.g., septic systems, leach fields, dry wells, etc.) that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes unless it can be demonstrated that ground water will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD-regulated facilities that 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 (NMED).

14. Housekeeping: The owner/operator shall inspect all systems designed for spill collection/prevention and leak detection at least monthly to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices shall be emptied of fluids within 72 hours of discovery. The owner/operator shall maintain all records at the facility and available for OCD inspection.

15. Spill Reporting: The owner/operator shall report all unauthorized discharges, spills, leaks and releases and conduct corrective action pursuant to WQCC Regulation 20.6.2.1203 NMAC and OCD Part 29 (19.15.29 NMAC). The owner/operator shall notify both the OCD District Office and the Santa Fe Office within 24 hours and file a written report within 15 days. ** The OCD does not consider covering contaminated areas a remediation of the spill/release **

16. OCD Inspections: The OCD performed an inspection of this facility on April 22, 2009. Mr. Tom Hart and associates were in attendance. The OCD concluded the following (all photos are in the attached inspection photo sheet).

1. **Photo 1:** This container must be bermed to prevent run off on to the ground. Owner/operator shall re-engineer this tank to meet permit conditions. See *Condition 9* of permit conditions.
2. **Photo 2 – 3:** Run-off from the washing of trucks discharged to the ground on the east side of the facility. Owner/operator shall prevent any such future discharges.
3. **Photo 4:** This tank is a below-grade tank if fluid is kept in place indefinitely. This tank must have a secondary containment with leak detection. Owner/operator shall submit a work plan to re-engineer tank to comply with *Condition 11.*
4. **Photo 6:** Owner/operator has an unauthorized pond. See *Condition 11.B.* for pond design and criteria. Owner/operator shall submit a work plan to retrofit pond to meet *Condition 11.B.*
5. **Photos 7 - 9:** OCD notes soil contamination was identified around the pond area. Owner/operator shall properly clean up soil and prevent future unauthorized discharges on to the ground.
6. **Photo 11 – 16:** The facility has three single walled below-grade tanks without leak detection systems. Owner/operator shall clean, inspect and demonstrate the integrity of these tanks and submit results, including photos to the OCD. See *Condition 11.A* for integrity testing. Owner/operator shall submit a work plan to bring these tanks into compliance. There were indications of seepage from the tanks, Photo 12 & 15. Owner/operator shall investigate the seepage and properly clean up contamination.
7. **Photo 17 – 19:** During the time of inspection OCD was informed that this below-grade tank was not in use and out of service. The inspection concluded that the BGT was still receiving and holding liquids. Owner/operator shall properly close the below grade tank. Owner/operator shall submit a work plan to close this tank.

OCD has concluded that the overall facility is in fair condition but will need some modifications to be in compliance with its discharge plan permit. Halliburton shall submit a report with items required above. **This report is due by July 31, 2009.**

17. Storm Water: The owner/operator shall implement and maintain run-on and runoff plans and controls. The owner/operator shall not discharge any water contaminant that exceeds the WQCC standards specified in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) including any oil sheen in any stormwater run-off. The owner/operator shall notify the OCD within 24 hours of discovery of any releases and shall take immediate corrective action(s) to stop the discharge.

18. Unauthorized Discharges: The owner/operator shall not allow or cause water pollution, discharge or release of any water contaminant that exceeds the WQCC standards listed in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) unless specifically listed in the permit application and approved herein. ***An unauthorized discharge is a violation of this permit.***

19. Vadose Zone and Water Pollution: The owner/operator shall address any contamination through the discharge permit process or pursuant to WQCC 20.6.2.4000-.4116 NMAC (Prevention and Abatement of Water Pollution). The OCD may require the owner/operator to modify its permit for investigation, remediation, abatement, and monitoring requirements for any vadose zone or water pollution. Failure to perform any required investigation, remediation, abatement and submit subsequent reports will be a violation of the permit.

20. Additional Site Specific Conditions: The owner/operator shall ensure that all employees understand all permit conditions.

21. Transfer of Discharge Permit (WQCC 20.6.2.3111) Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of a facility with a discharge permit, the transferor shall notify the transferee in writing of the existence of the discharge permit, and shall deliver or send by certified mail to the department a copy of such written notification, together with a certification or other proof that such notification has in fact been received by the transferee.

Upon receipt of such notification, the transferee shall have the duty to inquire into all of the provisions and requirements contained in such discharge permit, and the transferee shall be charged with notice of all such provisions and requirements as they appear of record in the department's file or files concerning such discharge permit. The transferee (new owner/operator) shall sign and return an original copy of these permit conditions and provide a written commitment to comply with the terms and conditions of the previously approved discharge permit.

22. Closure Plan and Financial Assurance: Pursuant to 20.6.2.3107 NMAC an owner/operator shall notify the OCD when any operations of the facility are to be discontinued for a period in excess of six months. Prior to closure, or as a condition of this permit, or request from the OCD, the operator will submit an approved closure plan, modified plan, and/or provide adequate financial assurance.

23. Certification: (Owner/Operator), by the officer whose signature appears below, accepts this permit and agrees to comply with all submitted commitments, including these terms and conditions contained here. **Owner/Operator** further acknowledges that the OCD may, for good cause shown, as necessary to protect fresh water, public health, safety, and the environment, change the conditions and requirements of this permit administratively

Conditions accepted by: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment."

_____
Company Name-print name above

_____
Company Representative- print name

_____
Company Representative- Signature

Title_____

Date:_____

OCD Inspection: Halliburton Artesia GW - 115

Inspector(s): Leonard Lowe

Company Rep: Tom Hart and associates

Date: 04.22.09 Time: 10:10 – 12:10

Photo 1: Used oil container.

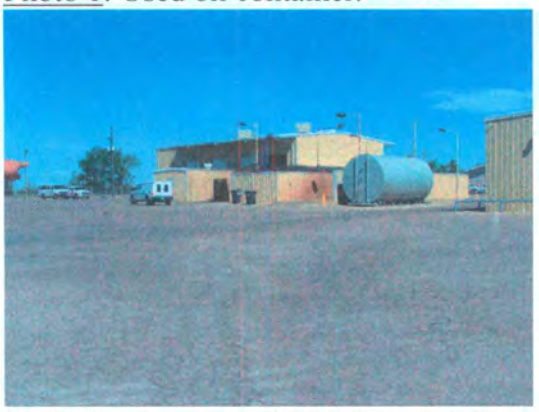


Photo 2: Down gradient from wash bay.

Photo 3: Remnants of runoff from wash area.

Photo 4: Below grade tank within a lined bermed area.

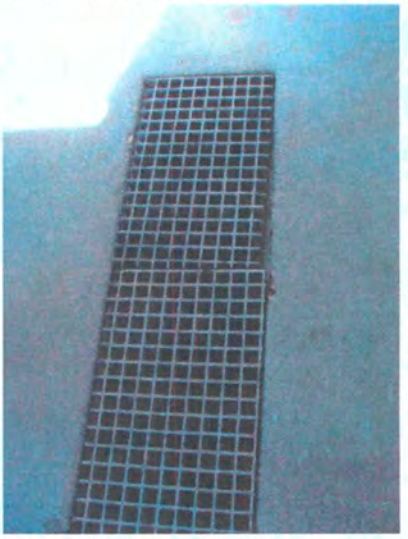


Photo 5: Sump holding fluids.

Photo 6: Wash bay effluent in holding tank.

Photo 7: Seepage or leakage within wash bay area.

Photo 8: Above ground containment of wash bay area.

Photo 9: Soil staining around fluids holding area

Photo 10: Sediments in wash bay area drainage system.

Photo 11: 1 of 3 below grade tanks associated with wash area.

Photo 12: 2 of 3 below grade tanks associated with wash area.

Photo 13: 3 of 3 below grade tanks associated with wash area.

Photo 14: Seepage noted on the out skirts of BGT.

Photo 15: Close up of seepage.

Photo 16: Contents of below grade tanks.

Photo 17: The newest below grade tank, not in use.

Photo 18: New below grade tank.

Photo 19: Contents of below grade tank.

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Tuesday, April 28, 2009 3:52 PM
To: 'Tom Hart'
Subject: GW-115, Artesia Halliburton
Attachments: GW-115, Admin Complete Letter.pdf; GW-115, Draft Permit.pdf; GW-115, OCD PN.pdf

Mr. Tom Hart,

The OCD has determined your application to be Administratively Complete.

Attached to this e-mail you will find all information pertaining to this.

This is the initial milestone in this entire process.

Please resubmit your public notice for review.

Thank you,

llowe

Leonard Lowe
Environmental Engineer
Oil Conservation Division/EMNRD
1220 S. St. Francis Drive
Santa Fe, N.M. 87505
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

April 28, 2009

Dear Mr. Tom Hart
Halliburton Energy Services
5801 Lovington Hwy
Hobbs, N.M. 88240

Re: Discharge Plan Renewal Permit GW-115
Halliburton Energy Services, Oil and Service Company
2311 South 1st, Artesia
Eddy County, New Mexico

The New Mexico Oil Conservation Division (NMOCD) has received Halliburton Energy Services request and initial fee, dated March 12, 2009, to renew GW-115 for their Artesia Oil and Gas Service Company located in Section 28, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico. The initial submittal provided the required information in order to deem the application "administratively" complete.

Therefore, the New Mexico Water Quality Control Commission regulations (WQCC) notice requirements of 20.6.2.3108 NMAC must be satisfied and demonstrated to the NMOCD. NMOCD will provide public notice pursuant to the WQCC notice requirements of 20.6.2.3108 NMAC to determine if there is any public interest.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3492 or leonard.lowe@state.nm.us. On behalf of the staff of the NMOCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Leonard Lowe
Environmental Engineer

LRL/lrl

xc: OCD District II Office, Artesia

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

April 28, 2009

Mr. Tom Hart
Halliburton Energy Services
5801 Lovington Hwy
Hobbs, N.M. 88240

Re: **DRAFT** Discharge Permit Renewal
Halliburton Artesia Oil and Gas Service Company (GW-115)
Section 28, Township 17 South, Range 26 East, NMPM
Eddy County, New Mexico

Dear Mr. Hart:

Pursuant to Water Quality Control Commission (WQCC) Regulations 20.6.2.3104 - 20.6.2.3114 NMAC, the Oil Conservation Division (OCD) hereby approves the discharge permit for the **Halliburton Energy Services,** (owner/operator) for the above referenced site contingent upon the conditions specified in the enclosed **Attachment to the Discharge Permit**. 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 including permit fees.**

Please be advised that approval of this permit does not relieve the owner/operator of responsibility should operations result in pollution of surface water, ground water or the environment. Nor does approval of the permit relieve the owner/operator of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If you have any questions, please contact Leonard Lowe of my staff at (505-476-3492) or E-mail leonard.lowe@state.nm.us. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Glenn von Gonten
Acting Environmental Bureau Chief

Attachments-1
xc: OCD District Office

DRAFT

ATTACHMENT

DISCHARGE PERMIT

APPROVAL CONDITIONS

1. **Payment of Discharge Plan Fees:** All discharge permits are subject to WQCC Regulations. Every billable facility that submits a discharge permit application will be assessed a filing fee of $100.00, plus a flat fee (*see* WQCC Regulation 20.6.2.3114 NMAC). The Oil Conservation Division ("OCD") has received the required $100.00 filing fee. The flat fee for an oil and gas service company is $1700.00. Please submit this amount along with the signed permit conditions. Checks should be made out to the New Mexico Water Quality Management Fund.

2. **Permit Expiration, Renewal Conditions and Penalties:** Pursuant to WQCC Regulation 20.6.2.3109.H.4 NMAC, this permit is valid for a period of five years. **The permit will expire on January, 13, 2014** and an application for renewal should be submitted no later than 120 days before that expiration date. Pursuant to WQCC Regulation 20.6.2.3106.F NMAC, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved. ***Expired permits are a violation of the Water Quality Act {Chapter 74, Article 6, NMSA 1978} and civil penalties may be assessed accordingly.***

3. **Permit Terms and Conditions:** Pursuant to WQCC Regulation 20.6.2.3104 NMAC, when a permit has been issued, the owner/operator must ensure that all discharges shall be consistent with the terms and conditions of the permit. In addition, all facilities shall abide by the applicable rules and regulations administered by the OCD pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38.

4. **Owner/Operator Commitments:** The owner/operator shall abide by all commitments submitted in its March 2009 discharge plan application, including attachments and subsequent amendments and these conditions for approval. Permit applications that reference previously approved plans on file with the division shall be incorporated in this permit and the owner/operator shall abide by all previous commitments of such plans and these conditions for approval.

5. **Modifications:** WQCC Regulation 20.6.2.3107.C and 20.6.2.3109 NMAC addresses possible future modifications of a permit. The owner/operator (discharger) shall notify the OCD of any facility expansion, production increase or process modification that would result in any significant modification in the discharge of water contaminants. The Division Director may require a permit modification if any water quality standard specified at 20.6.2.3103 NMAC is being or will be exceeded, or if a toxic pollutant as defined in WQCC Regulation 20.6.2.7 NMAC is present in ground water at any place of withdrawal for present or reasonably foreseeable future use, or that the Water Quality Standards for Interstate and Intrastate streams as specified in 20.6.4 NMAC are being or may be violated in surface water in New Mexico.

6. **Waste Disposal and Storage:** The owner/operator shall dispose of all wastes at an OCD-approved facility. Only oil field RCRA-exempt wastes may be disposed of by injection in a Class

DRAFT

II well. RCRA non-hazardous, non-exempt oil field wastes may be disposed of at an OCD-approved facility upon proper waste determination pursuant to 40 CFR Part 261. Any waste stream that is not listed in the discharge permit application must be approved by the OCD on a case-by-case basis.

A. OCD Part 35 Waste: Pursuant to OCD Part 35 (19.15.35.8 NMAC) disposal of certain non-domestic waste without notification to the OCD is allowed at NMED permitted solid waste facilities if the waste stream has been identified in the discharge permit and existing process knowledge of the waste stream does not change.

B. Waste Storage: The owner/operator shall store all waste in an impermeable bermed area, except waste generated during emergency response operations for up to 72 hours. All waste storage areas shall be identified in the discharge permit application. Any waste storage area not identified in the permit shall be approved on a case-by-case basis only. The owner/operator shall not store oil field waste on-site for more than 180 days unless approved by the OCD.

7. Drum Storage: The owner/operator must store all drums, including empty drums, containing materials other than fresh water on an impermeable pad with curbing. The owner/operator must store empty drums on their sides with the bungs in place and lined up on a horizontal plane. The owner/operator must store chemicals in other containers, such as tote tanks, sacks, or buckets on an impermeable pad with curbing.

8. Process, Maintenance and Yard Areas: The owner/operator shall either pave and curb or have some type of spill collection device incorporated into the design at all process, maintenance, and yard areas which show evidence that water contaminants from releases, leaks and spills have reached the ground surface.

9. Above Ground Tanks: The owner/operator shall ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks. The owner/operator shall retrofit all existing tanks before discharge permit renewal. Tanks that contain fresh water or fluids that are gases at atmospheric temperature and pressure are exempt from this condition.

10. Labeling: The owner/operator shall clearly label all tanks, drums, and containers to identify their contents and other emergency notification information. The owner/operator may use a tank code numbering system, which is incorporated into their emergency response plans.

11. Below-Grade Tanks/Sumps and Pits/Ponds.

A. All below-grade tanks and sumps must be approved by the OCD prior to installation and must incorporate secondary containment with leak detection into the design. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal. All existing below-grade tanks and sumps without secondary containment and leak detection must be tested annually or as specified herein. Systems that have secondary containment with leak detection shall have a monthly inspection of the leak detection system to determine if the primary containment is leaking. Small sumps or depressions in

DRAFT

secondary containment systems used to facilitate fluid removal are exempt from these requirements if fluids are removed within 72 hours.

B. All pits and ponds, including modifications and retrofits, shall be designed by a certified registered professional engineer and approved by the OCD prior to installation. In general, all pits or ponds shall have approved hydrologic and geologic reports, location, foundation, liners, and secondary containment with leak detection, monitoring and closure plans. All pits or ponds shall be designed, constructed and operated so as to contain liquids and solids in a manner that will protect fresh water, public health, safety and the environment for the foreseeable future. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal.

C. The owner/operator shall ensure that all exposed pits, including lined pits and open top tanks (8 feet in diameter or larger) shall be fenced, screened, netted, or otherwise rendered non-hazardous to wildlife, including migratory birds.

D. The owner/operator shall maintain the results of tests and inspections at the facility covered by this discharge permit and available for OCD inspection. The owner/operator shall report the discovery of any system which is found to be leaking or has lost integrity to the OCD within 15 days. The owner/operator may propose various methods for testing such as pressure testing to 3 pounds per square inch greater than normal operating pressure and/or visual inspection of cleaned tanks and/or sumps, or other OCD-approved methods. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

12. Underground Process/Wastewater Lines:

A. The owner/operator shall test all underground process/wastewater pipelines at least once every five (5) years to demonstrate their mechanical integrity, except lines containing fresh water or fluids that are gases at atmospheric temperature and pressure. Pressure rated pipe shall be tested by pressuring up to one and one-half times the normal operating pressure, if possible, or for atmospheric drain systems, to 3 pounds per square inch greater than normal operating pressure, and pressure held for a minimum of 30 minutes with no more than a 1% loss/gain in pressure. The owner/operator may use other methods for testing if approved by the OCD.

B. The owner/operator shall maintain underground process and wastewater pipeline schematic diagrams or plans showing all drains, vents, risers, valves, underground piping, pipe type, rating, size, and approximate location. All new underground piping must be approved by the OCD prior to installation. The owner/operator shall report any leaks or loss of integrity to the OCD within 15 days of discovery. The owner/operator shall maintain the results of all tests at the facility covered by this discharge permit and they shall be available for OCD inspection. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

13. Class V Wells: The owner/operator shall close all Class V wells (e.g., septic systems, leach fields, dry wells, etc.) that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes unless it can be demonstrated that ground water will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD-regulated facilities that 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

DRAFT

inject domestic waste only, must be permitted by the New Mexico Environment Department (NMED).

14. Housekeeping: The owner/operator shall inspect all systems designed for spill collection/prevention and leak detection at least monthly to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices shall be emptied of fluids within 72 hours of discovery. The owner/operator shall maintain all records at the facility and available for OCD inspection.

15. Spill Reporting: The owner/operator shall report all unauthorized discharges, spills, leaks and releases and conduct corrective action pursuant to WQCC Regulation 20.6.2.1203 NMAC and OCD Part 29 (19.15.29 NMAC). The owner/operator shall notify both the OCD District Office and the Santa Fe Office within 24 hours and file a written report within 15 days.

16. OCD Inspections: The OCD performed an inspection of this facility on April 22, 2009.

17. Storm Water: The owner/operator shall implement and maintain run-on and runoff plans and controls. The owner/operator shall not discharge any water contaminant that exceeds the WQCC standards specified in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) including any oil sheen in any stormwater run-off. The owner/operator shall notify the OCD within 24 hours of discovery of any releases and shall take immediate corrective action(s) to stop the discharge.

18. Unauthorized Discharges: The owner/operator shall not allow or cause water pollution, discharge or release of any water contaminant that exceeds the WQCC standards listed in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) unless specifically listed in the permit application and approved herein. ***An unauthorized discharge is a violation of this permit.***

19. Vadose Zone and Water Pollution: The owner/operator shall address any contamination through the discharge permit process or pursuant to WQCC 20.6.2.4000-.4116 NMAC (Prevention and Abatement of Water Pollution). The OCD may require the owner/operator to modify its permit for investigation, remediation, abatement, and monitoring requirements for any vadose zone or water pollution. Failure to perform any required investigation, remediation, abatement and submit subsequent reports will be a violation of the permit.

20. Additional Site Specific Conditions: N/A

21. Transfer of Discharge Permit (WQCC 20.6.2.3111) Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of a facility with a discharge permit, the transferor shall notify the transferee in writing of the existence of the discharge permit, and shall deliver or send by certified mail to the department a copy of such written notification, together with a certification or other proof that such notification has in fact been received by the transferee.

Upon receipt of such notification, the transferee shall have the duty to inquire into all of the provisions and requirements contained in such discharge permit, and the transferee shall be

DRAFT

charged with notice of all such provisions and requirements as they appear of record in the department's file or files concerning such discharge permit. The transferee (new owner/operator) shall sign and return an original copy of these permit conditions and provide a written commitment to comply with the terms and conditions of the previously approved discharge permit.

22. Closure Plan and Financial Assurance: Pursuant to 20.6.2.3107 NMAC an owner/operator shall notify the OCD when any operations of the facility are to be discontinued for a period in excess of six months. Prior to closure, or as a condition of this permit, or request from the OCD, the operator will submit an approved closure plan, modified plan, and/or provide adequate financial assurance.

23. Certification: (Owner/Operator), by the officer whose signature appears below, accepts this permit and agrees to comply with all submitted commitments, including these terms and conditions contained here. **Owner/Operator** further acknowledges that the OCD may, for good cause shown, as necessary to protect fresh water, public health, safety, and the environment, change the conditions and requirements of this permit administratively

Conditions accepted by: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment."

DRAFT

_____
Company Name-print name above

_____
Company Representative- print name

_____
Company Representative- Signature

Title _____

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 (20.6.2.3106 NMAC), the following discharge permit application(s) has been submitted to the Director of the New Mexico Oil Conservation Division ("NMOCD"), 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-115) Mr. Tom Hart, 5801 Lovington Highway, Hobbs N.M. 88240, has submitted a renewal application for the previously approved discharge plan for their Oil and Gas Service Company located in the Section 28, Township 17 South, Range 26 East, NMPM, Eddy County. The facility operates in support of off-site services for oil and gas wells, including cementing and stimulation. Activities at this facility include maintenance of equipment, aboveground storage of dry and liquid materials in drums, totes and tanks. Approximately 35,000 gallons of acid/caustics, 140,000 lbs of brines, 100,000 gal/month of water effluent are generated and stored in onsite. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 30 feet, with a total dissolved solids concentration of approximately 510 - 1100 mg/L. The discharge plan addresses how oilfield products and waste will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

The NMOCD has determined that the application is administratively complete and has prepared a draft permit. The NMOCD will accept comments and statements of interest regarding this application and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact the Environmental Bureau Chief of the Oil Conservation Division at the address given above. The administrative completeness determination and draft permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday, or may also be viewed at the NMOCD web site http://www.emnrd.state.nm.us/ocd/. Persons interested in obtaining a copy of the application and draft permit may contact the NMOCD at the address given above. Prior to ruling on any proposed discharge permit or major modification, the Director shall allow a period of at least thirty (30) days after the date of publication of this notice, during which interested persons may submit comments or request that NMOCD hold a public hearing. 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 that there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available, including all comments received. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit application and information submitted at the hearing.

Para obtener más información sobre esta solicitud en español, sirvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservacio´n Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New México (Contacto: Dorothy Phillips, 505-476-3461)

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this **28** day of April 2009.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

Mark Fesmire, Director

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 3/31/09

or cash received on _____ in the amount of $ 100.00

from Halliburton Energy Services

for GW-115

Submitted by: Lavicrge Romero Date: 4/6/09

Submitted to ASD by: Lavicrge Romero Date: 4/6/09

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility _____ Renewal ✓

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

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
2009 APR 3 PM 1 12

Revised June 10, 2003

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

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New X Renewal ☐ Modification

1. Type: ____Oil Field Service Facility GW-115
2. Operator: ____Halliburton Energy Services

   Address: _____2311 South 1st, Artesia, New Mexico, 88210

   Contact Person: _Tom Hart_____Phone: _575-392-0749, 505-390-3332___
3. Location: _____/4 _____/4 Section ____28_____Township _17 south_Range __26 east_
   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site. **"SEE ATTACHED"**
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. **"SEE ATTACHED SITE MAPS"**
6. Attach a description of all materials stored or used at the facility. **"SEE ATTACHED CHEMICAL LIST"**
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included. **(SEE ATTACHED SPREADSHEET)**
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures. **(SEE ATTACHED INFORMATION)**
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems. **(SEE INFORMATION CONCERNING NEW MAINTENANCE SHOP)**
10. Attach a routine inspection and maintenance plan to ensure permit compliance. **SEE ATTACHED INFORMATION**
11. Attach a contingency plan for reporting and clean-up of spills or releases. **SEE ATTACHED INFORMATION**
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. **SEE ATTACHED INFORMATION**
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. **NOT APPLICABLE**

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: __Tom Hart_____ Title: ___Location Manager_____

Signature: Tom Hart Date: ___3-12-2009_____

E-mail Address:__tom.hart@halliburton.com____

PUBLIC NOTICE

GW-115)-Halliburton Energy Services, Tom Hart, (575) 392-0749, 5801 Lovington Hwy, Hobbs, Mew Mexico 88240,, has submitted an application to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division for a renewal of it's previously approved discharge plan permit for the Artesia facility located in Section 28, Township 17 South Range, Range 26 East NMPM, Eddy County, New Mexico.

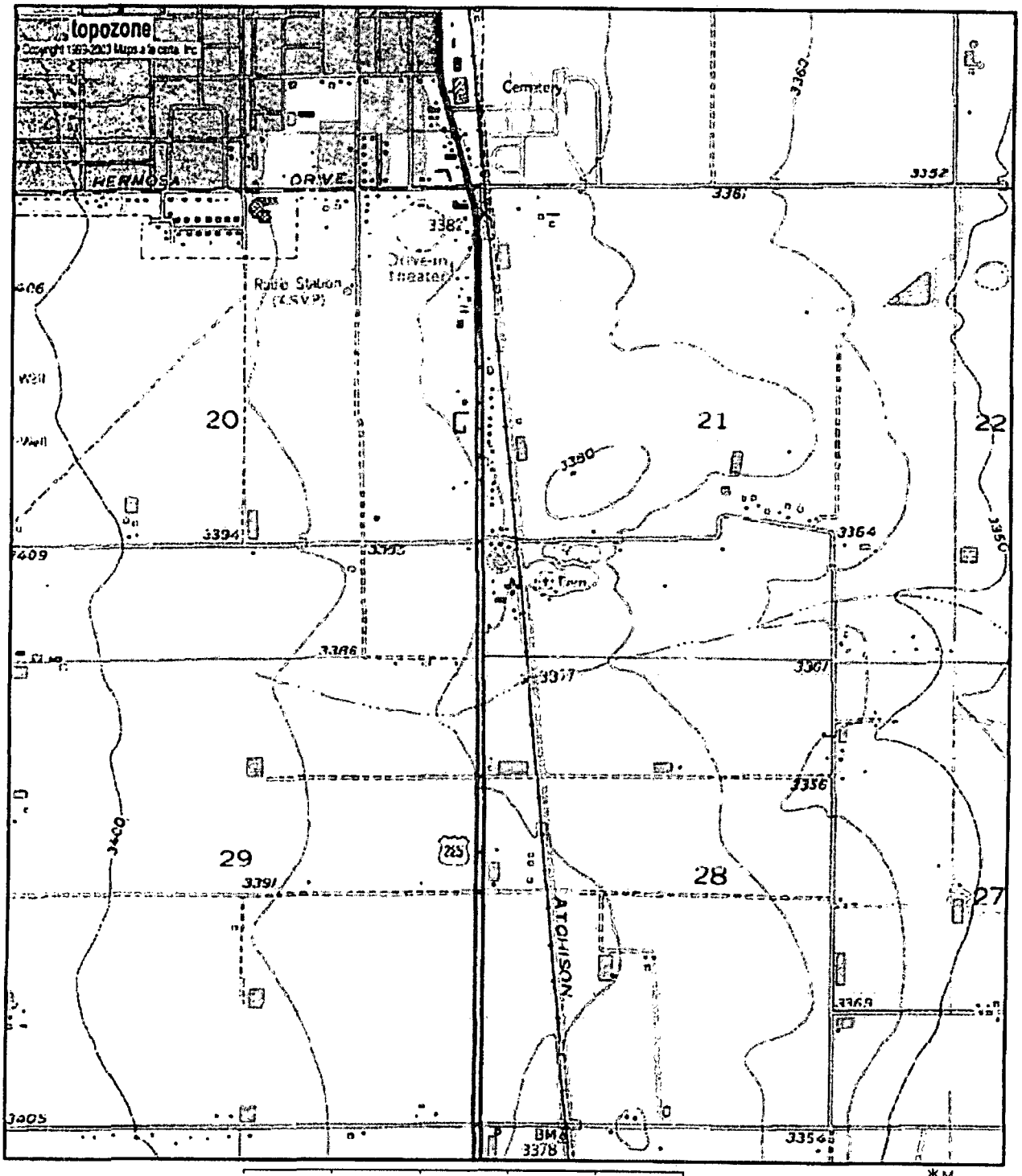
This facility operates in support of off-site services for oil and gas wells, including cementing and stimulation. Activities at this facility include maintenance of equipment, aboveground storage of dry and liquid materials in drums, totes and tanks and the loading/unloading of bulk materials from trucks.

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 or persons may obtain information; submit comments or request to be placed on a facility-specific mailing list for future notices by contacting Leonard Lowe at the New Mexico OCD at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3492. The OCD will accept comments and statements of interest regarding the renewal and will create a facility-specific mailing list for persons who wish to receive future notices.

DRAFT EXAMPLE

GW-115) - servicios de la energía de Halliburton, ciervo de Tom Hart, (575) 392-0749, 5801 Lovington Hwy, Hobbs, New México, 88240, han sometido un uso a la energía de New México, minerales y el departamento de los recursos naturales, división de la conservación del aceite para una renovación de él es previamente permiso aprobado del plan de la descarga para la facilidad de Artesia situada en la sección 28, gama del sur del municipio 17, se extiende 26 NMPM del este, condado del Lea, New México. Todas las basuras generadas serán almacenadas en receptáculos superiores cerrados antes de la disposición del offsite o el reciclaje en un sitio aprobado OCD. El agua subterránea que se afectará en caso de una descarga accidental está muy probablemente en una profundidad de aproximadamente 30 pies con una concentración disuelta total de los sólidos de aproximadamente 300 mg/l. Las direcciones del plan de la descarga cómo los derramamientos, los escapes y otras descargas accidentales a la superficie serán manejados. Cualquier persona o persona interesada puede obtener la información; someta los comentarios o solicítelos para ser colocados en una lista que envía facilidad-específica para los avisos futuros entrando en contacto con a Leonard Lowe en el New México OCD en St. del sur 1220 Impulsión de Francis, FE de Santa Fe, New México 87505, teléfono (505) 476-3492. El OCD aceptará comentarios y declaraciones del interés con respecto a la renovación y creará una lista que envía facilidad-específica para las personas que desean recibir los avisos futuros.

Part 3



32° 48' 57"N, 104° 23' 39"W (NAD83/WGS84)

USGS Artesia (NM) Quadrangle

Projection is UTM Zone 13 NAD83 Datum

Part 4

SHORT FORM WARRANTY DEE[D] — w Mexico Statutory Form — Hall-I — Printed and For Sale by
Approved by State Comptroller : .dard Form, Oct. 6, 1947 — [ ]gh Press, Roswell, New Mexico
Revised September, 1975 — Form 312

WARRANTY DEED

JAMES A. FUNK and wife, DOROTHY H. FUNK, and MARY TEMPIE FUNK, a widow

, for consideration paid, grant ___ to

HALLIBURTON COMPANY, a Delaware corporation

whose address is 2600 Southland Center, Dallas, Texas 75201

The SURFACE ESTATE ONLY of

the following described real estate in Eddy county, New Mexico:

A tract of land lying in the NW¼ of Section 28, Township 17 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, and being more particularly described as follows:

Beginning at a point from which the NW corner of Section 28, T17S, R26E, bears S 89° 43' 00" West, 55.0 feet; thence, S 00° 34' 43" E along the east right-of-way line of U.S. Highway 285 South, 510.65 feet; thence, N 89° 24' 32" E, 362.83 feet to a point on the west right-of-way line of the AT&SF Railroad; thence, N 05° 18' 00" W along said west right-of-way line, 510.65 feet to a point on the north line of the NW¼ of Section 28; thence, S 89° 43' 00" W along said north line, 320.8 feet to the point of beginning.

Containing 4.0 acres, more or less.

EXCEPTING AND RESERVING to grantors the following:

1) any and all water rights appurtenant to said property; and
2) all oil, gas, potash and all other minerals of whatsoever character, whether similar or dissimilar to those named herein, in or under and that may be produced from said land, together with rights of ingress and egress to extract and produce the same.

SUBJECT TO that certain Purchase Agreement between the parties hereto dated _____, 1980, a copy of which is on file in the office of grantee at _____, Artesia, New Mexico. Also SUBJECT TO easements, restrictions, rights-of-way and conditions of record, zoning ordinances, taxes and assessments for year 1981 and thereafter.

with warranty covenants.

WITNESS our hands and seals this _____ day of

_____ 1981.

_____ (Seal)

James A. Funk (Seal)

Dorothy H. Funk (Seal)

Mary Tempie Funk (Seal)

STATE OF NEW MEXICO,
County of Eddy } ss.

The foregoing instrument was acknowledged before me this _____ day of _____,

1981 by James A. Funk and Dorothy H. Funk, his wife, and by Mary Tempie Funk, a widow.

My Commission expires _____, 19___. Notary Public

STATE OF NEW MEXICO,
County of _____ } ss.

I hereby certify that this instrument was filed for record on the _____ day of _____, A. D., 19___ at ___ o'clock _____ M., and duly recorded in Book _____ Page _____ of Records of Deeds of said County.

County Clerk

By _____, Deputy

Rec. _____ Fees, $ _____

Return to _____

EXHIBIT "B"

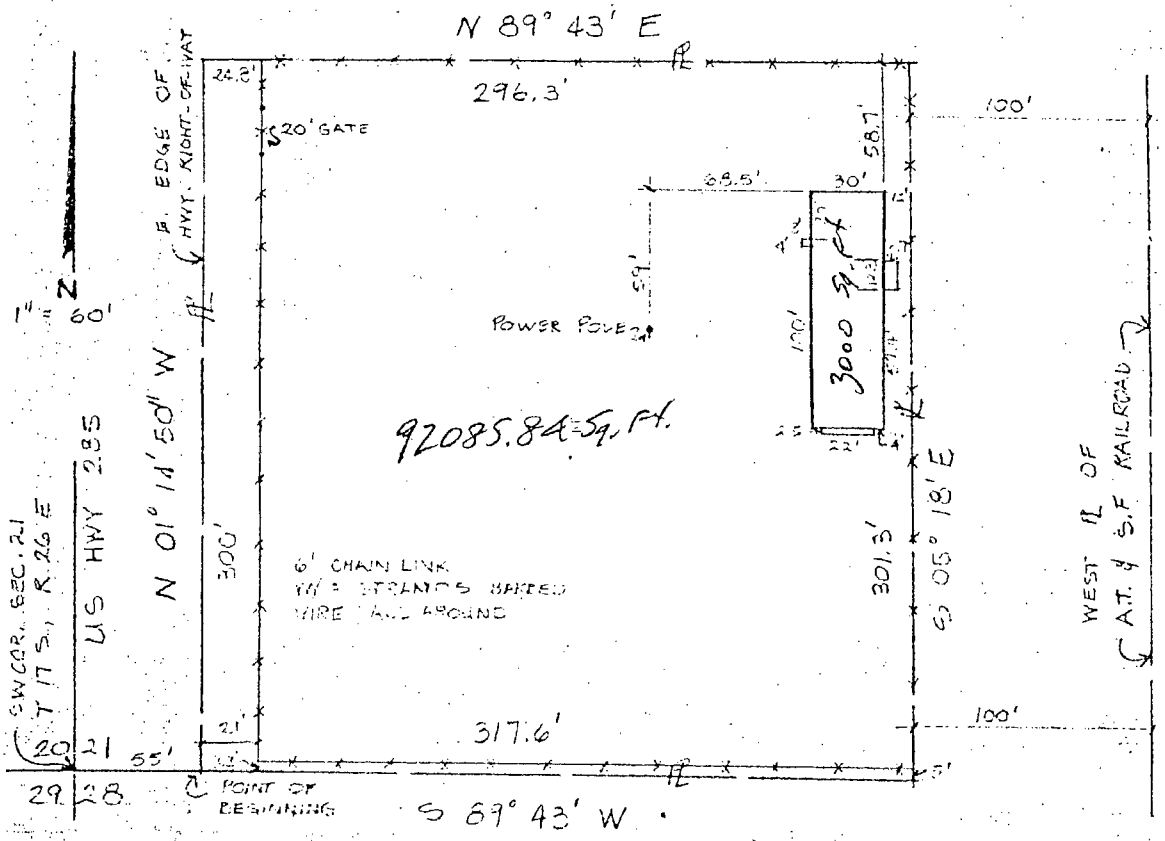
SURVEYOR'S CERTIFICATE

Client: Smith Machinery

Date: August 16, 1977

A tract of land lying in the SW1/4 of the SW1/4 of Section 21, T. 17 S., R. 26 E., N.M.P.M., Eddy County, New Mexico and being more particularly described as follows:

Beginning at a point on the south line of Section 21 that bears N 89° 43' E a distance of 55.0' from the Southwest corner of said Section 21; thence N 01° 14' 50" W along east right-of-way line of Highway No. 285, 300.0'; thence N 89° 43' E, 296.3' to the west right-of-way line of Atchison, Topeka, and Santa Fe Railway Company; thence S 05° 18' E along said west line of Atchison, Topeka, and Santa Fe Railway Company, 301.3' to the south line of said Section 21; thence S 89° 43' W along said south line of Section 21, 317.6' to point of beginning. Containing 2.114 acres more or less.



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

I, Thomas T. Mann, hereby certify that the above plat is true and correct to the best of my knowledge and belief.

MANN ENGINEERING COMPANY

Thomas T. Mann

Thomas T. Mann, P.E. & L.S.
License No. 277 N.M.

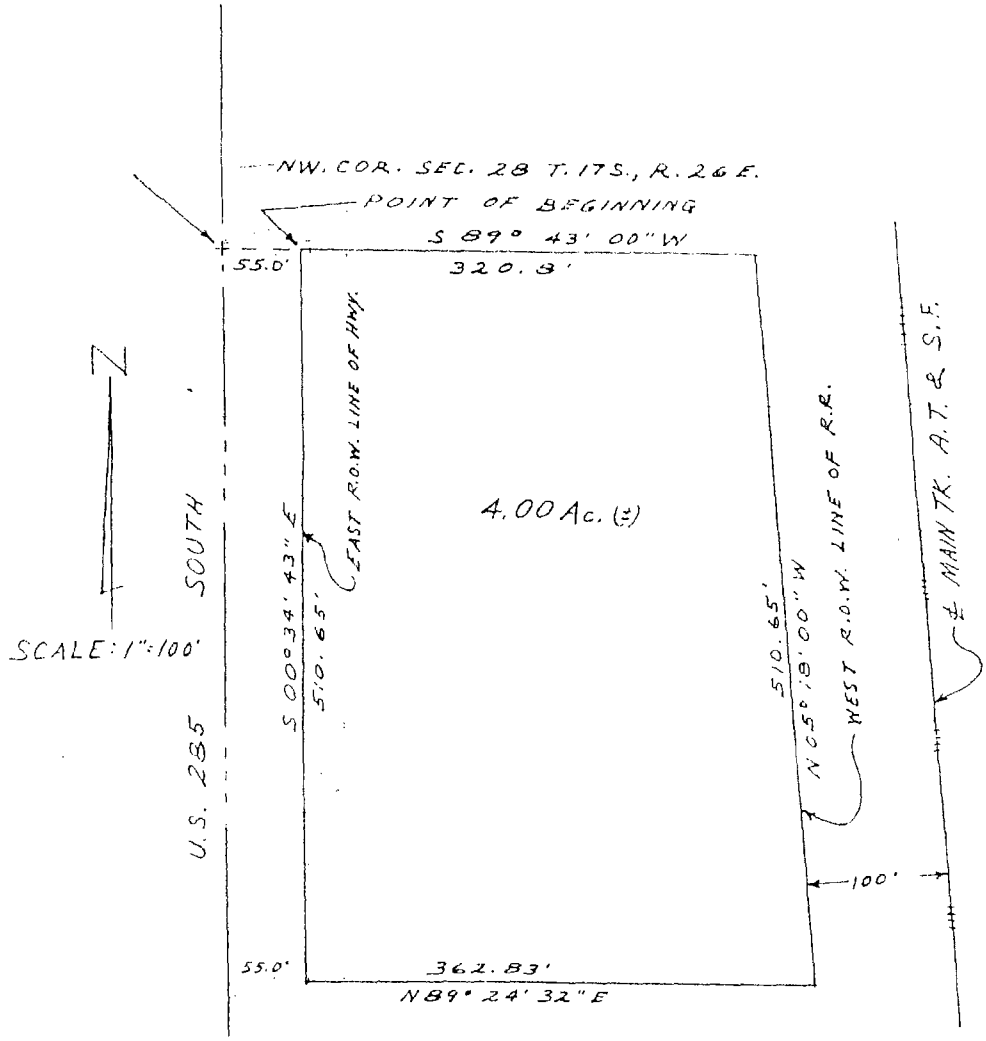
SURVEYOR'S CERTIFICATE

CLIENT: James Funk
DATE: April 27, 1981

A tract of land lying in the NW¼ of Section 28, Township 17 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, and being more particularly described as follows:

Beginning at a point from which the NW corner of Section 28, T17S, R26E, bears S 89° 43' 00" west, 55.0 feet; thence, S 00° 34' 43" E along the east right-of-way line of U.S. Highway 285 South, 510.65 feet; thence, N 89° 24' 32" E, 362.83 feet to a point on the west right-of-way line of the AT&SF Railroad; thence, N 05° 18' 00" W along said west right-of-way line, 510.65 feet to a point on the north line of the NW¼ of Section 28; thence, S 89° 43' 00" W along said north line, 320.8 feet to the point of beginning.

Containing 4.0 acres, more or less.



CERTIFICATE

This is to certify that I am a Registered Land Surveyor in the State of New Mexico, that this plat has been prepared from notes of an actual survey made under my supervision, and that both are true and correct to the best of my knowledge and belief.

Raymond Lee Dennis

SURVEY No. R-2237 DATE 4/27/81 RAYMOND LEE DENNIS, CERT. No. 4115

DENNIS ENGINEERING COMPANY 307 N. Atkinson (505) 623-4544 ROSWELL, NEW MEXICO 88201

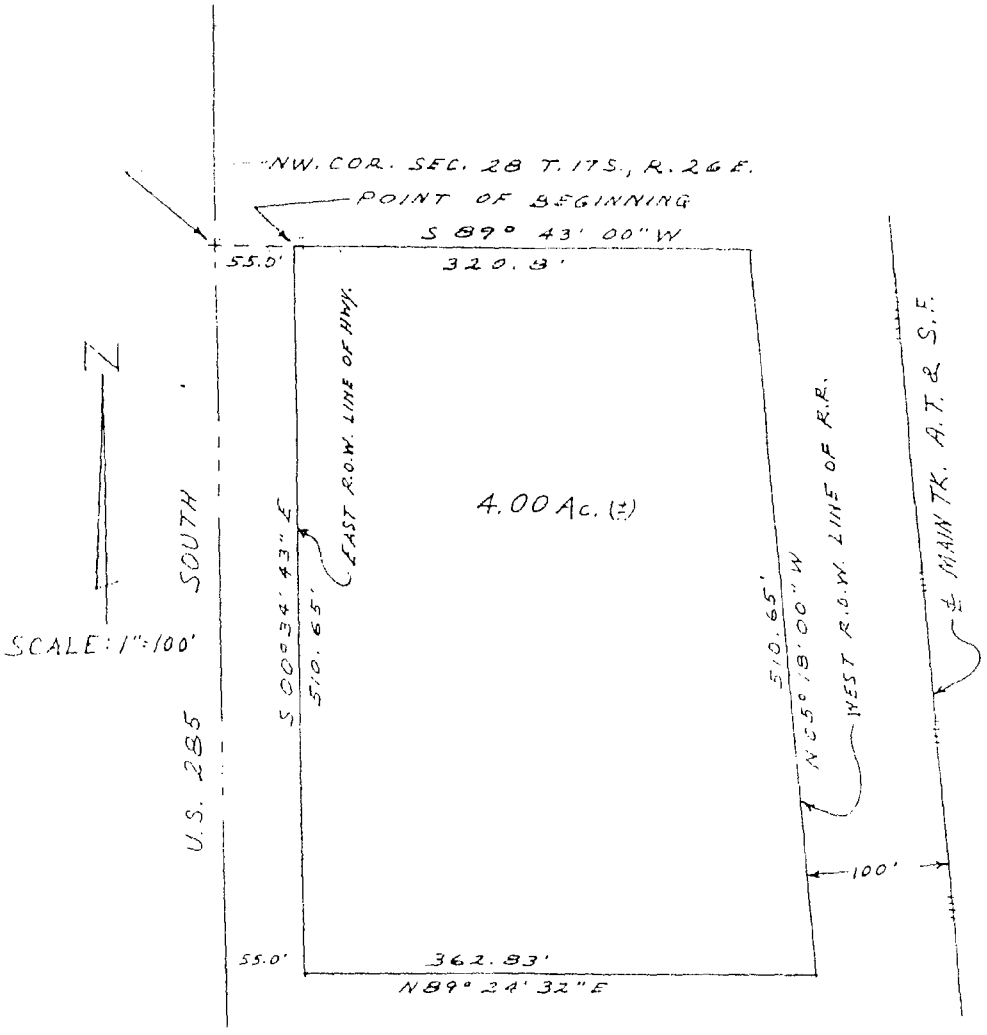
SURVEYOR'S CERTIFICATE

CLIENT: James Funk
DATE: April 27, 1981

A tract of land lying in the NW¼ of Section 28, Township 17 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, and being more particularly described as follows:

Beginning at a point from which the NW corner of Section 28, T17S, R26E, bears S 89° 43' 00" west, 55.0 feet; thence, S 00° 34' 43" E along the east right-of-way line of U.S. Highway 285 South, 510.65 feet; thence, N 89° 24' 32" E, 362.83 feet to a point on the west right-of-way line of the AT&SF Railroad; thence, N 05° 18' 00" W along said west right-of-way line, 510.65 feet to a point on the north line of the NW¼ of Section 28; thence, S 89° 43' 00" W along said north line, 320.8 feet to the point of beginning.

Containing 4.0 acres, more or less.



CERTIFICATE

This is to certify that I am a Registered Land Surveyor in the State of New Mexico, that this plat has been prepared from notes of an actual survey made under my supervision, and that both are true and correct to the best of my knowledge and belief.

Raymond Lee Dennis

SURVEY No. R-2237 DATE 4/27/81 RAYMOND LEE DENNIS CERT. No. 4115

DENNIS ENGINEERING COMPANY 307 N. Atkinson (505) 623-4544 ROSWELL, NEW MEXICO 88201

Approved by State Comptroller's Standard Form, Oct. 9, 1941 Form 312

WARRANTY DEED

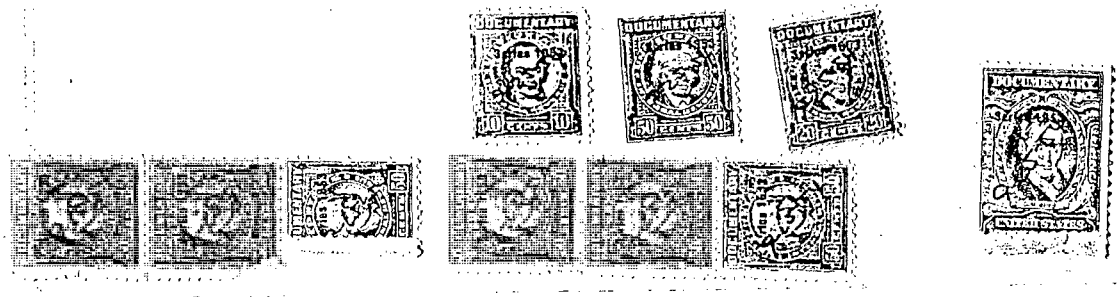
Howard R. Stroup and his wife Louise Stroup

, for consideration paid, grant to

Smith Machinery Co., Inc.

the following described real estate in Eddy county, New Mexico:

A part of the $SW\frac{1}{4}SW\frac{1}{4}$ Section 21, Township 17 South, Range 26 East, N.M.P.M. Eddy County, New Mexico, more particularly described as follows: Beginning at a point on the South line of Section 21 that is 55 feet East of the Southwest corner thereof, thence North parallel to the west line of said Section 21, a distance of 300 feet; thence North 89° 43 minutes East to the West line of the Atchison, Topeka, and Santa Fe Railway Company right of way; thence South 5° 18 minutes East along the said line of right of way a distance of 301.3 feet to the South line of said Section 21; thence South 89° 43 minutes West along the South line of said Section 21 to a point of beginning, the above described property being conveyed to grantors by John R. Castleberry by Deed dated March 17, 1948, recorded in Deed Book 99 page 399, office of the Eddy County Clerk, New Mexico and reference being hereby made to said Deed for the legal description therein. Together with all improvements, equipment and water rights appurtenant to said land.



with warranty covenants.

WITNESS our hand S and seal this 25th day of September 1954.

Howard R. Stroup (Seal)

(Seal)

Louise Stroup (Seal)

(Seal)

STATE OF NEW MEXICO, County of CHAVES } ss.

On this 25th day of September, 1954, before me personally appeared Howard R. Stroup and his wife Louise Stroup

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

Witness my hand and seal the day and year last above written.

My Commission expires May 10-1958 Georgia D. Byrnes Notary Public.

STATE OF NEW MEXICO, County of Eddy } ss.

I hereby certify that this instrument was filed for record on the 28 day of September, A. D., 1954 at 9:40 o'clock A. M., and duly recorded in Book 136 Page 191 of Records of Deeds of said County.

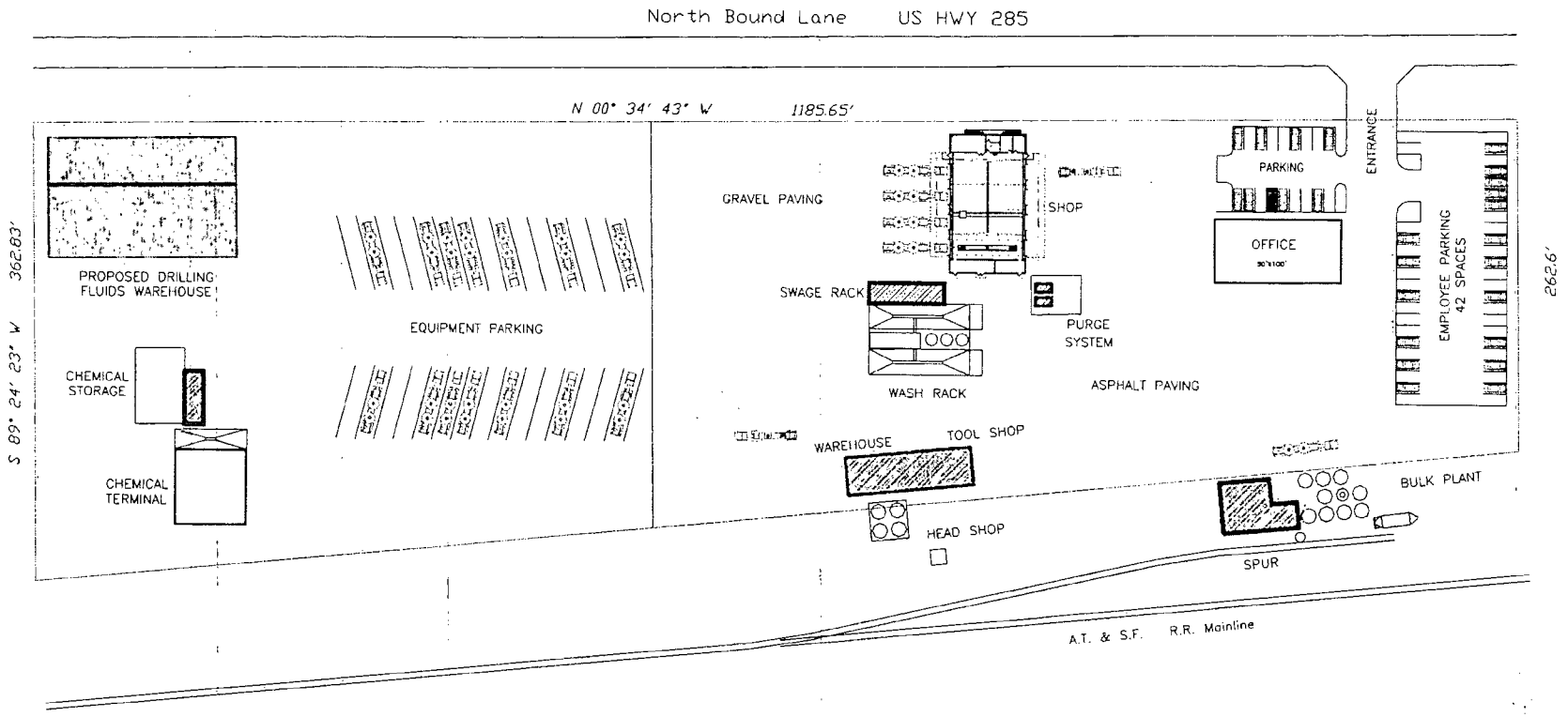
Mrs. R. A. Wilson County Clerk

By Ethel B Wilson, Deputy

Rec. Fees, $

Return to

Part 5



HALLIBURTON ENERGY SERVICES

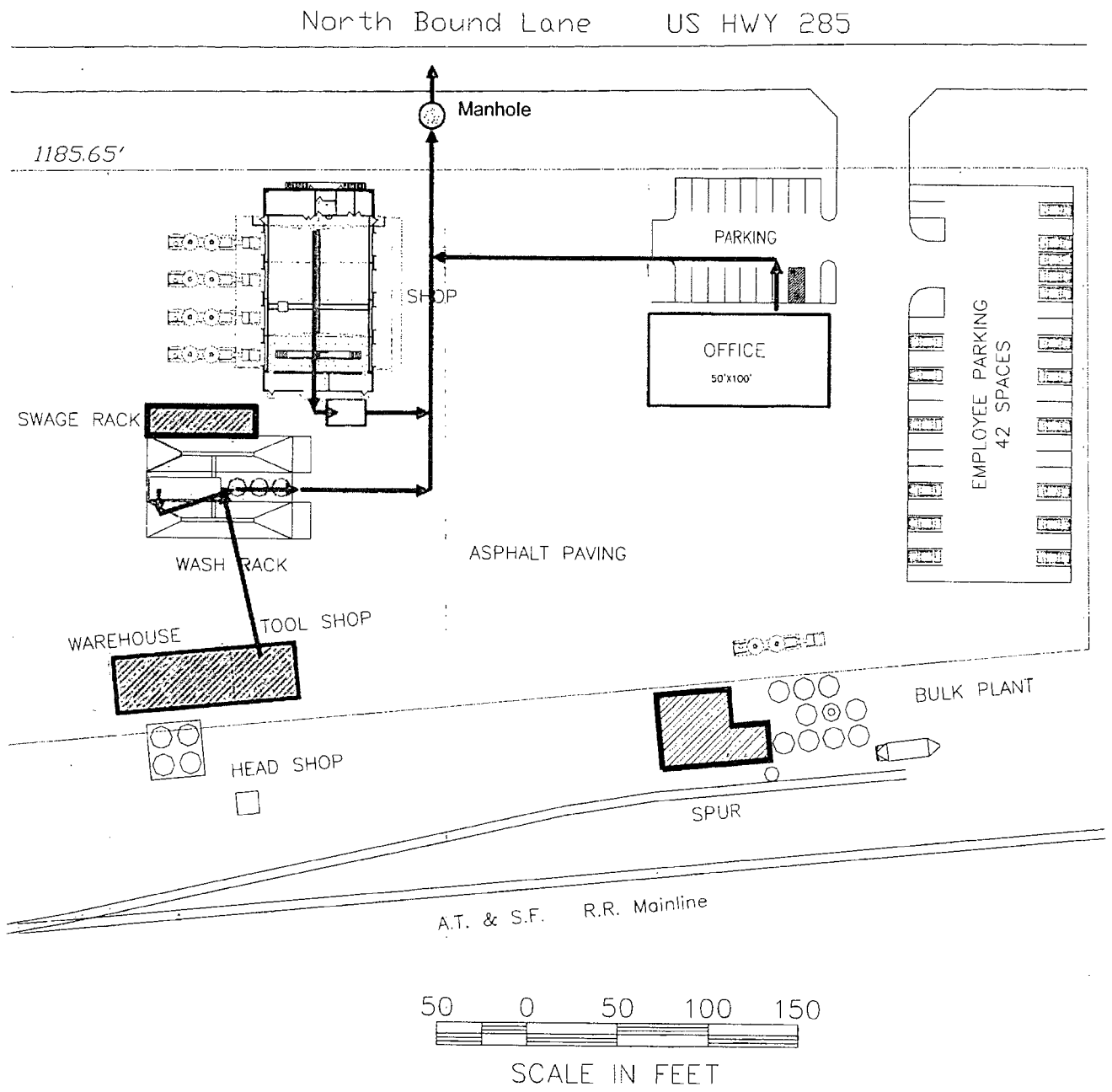
P.O. DRAWER O
2311 SOUTH FIRST
ARTESIA, NEW MEXICO
88210

50 0 50 100 150
SCALE IN FEET

Part 5

N 00° 34' 43" W

Red lines indicate
Waste Water Flow
To City Sewer.



DISCHARGE PLAN APPLICATION

HALLIBURTON ENERGY SERVICES
2311 South First Street
Artesia, New Mexico 88210

3/12/2009

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	26,000 gal 9,000 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.	Chemical Admix buildin
8. Others - (include other liquids & solids, e.g. cement, sand, etc.)	Cement Types Hydraulic and Engine Oils	(S) (L)	Tank Tank	Varies 1815 gal	Bulk Plant Shop & Washrack
	LGC-Liquid Gel Concentrate	(L)	Tank	9000 gal.	Acid Plant
	Salt	(S)	Tank	1800 sacks	Bulk Plant
	Gilsonite	(S)	Tank	1800 sacks	Bulk Plant
	Benonite	(S)	Tank	1800 sacks	Bulk Plant

Part 6

Halliburton Energy Services
2311 S. FIRST
ARTESIA, NM

Facility Inventory

Chemical Name	Health	Flammability	Reactive	Special	Storage Area	PURPOSE	
KA Accelerator					SHOP		
19N	3	3	0	none	Acid Plant	NE Agent	
3M Super Weatherstrip Adhesive					SHOP	Adhesive	
ABF	3	0	0	none	Chemical Warehouse	Flouride	
Acetylene	0	4	2		TOOLS		
ACTION CLEANER DEGREASER					TOOLS		
Activator W	0	0	0		Chemical Warehouse		
Adomite Regain	1	0	0	none	Chemical Warehouse	Fluid Loss	
ADOMITE REGAIN					Chemical Warehouse		
AIR DUSTER-BD					E-TECH		
AIR FORCE CANNED AIR-KAR					E-TECH		
Alchek	3	0	0	none	acid Plant	Buffer	
Alumi-ReNu	1	3	0	none	Washrack	Cleaning agent	
American Sales Degreaser F-24					WASHRACK		
American Sales Soap Q-30					WASHRACK		
American sales SOAP	0	1	0		TOOLS		
Ammonium Bicarbonate	2	0	1	none	Chemical Warehouse	Additive	
Ammonium Chloride (Clay Fix)	1	0	0	none	Chemical Warehouse	Clayfix Mat.	
Antifreeze	1	1	0	none	SHOP	Coolant	
APCO water reducible alkyd gloss enamel 24					TOOLS		
Aromatic Solvents	3	3	0	none	Acid Plant	Solvent	
AS-10	2	1	0	none	Acid Plant	Anti-Sludge Agent	

Halliburton Energy Services
2311 S. FIRST
ARTESIA, NM

Facility Inventory

Chemical Name	Health	Flammability	Reactive	Special	Storage Area	PURPOSE	
KA Accelerator					SHOP		
19N	3	3	0	none	Acid Plant	NE Agent	
3M Super Weatherstrip Adhesive					SHOP	Adhesive	
ABF	3	0	0	none	Chemical Warehouse	Flouride	
Acetylene	0	4	2		TOOLS		
ACTION CLEANER DEGREASER					TOOLS		
Activator W	0	0	0		Chemical Warehouse		
Adomite Regain	1	0	0	none	Chemical Warehouse	Fluid Loss	
ADOMITE REGAIN					Chemical Warehouse		
AIR DUSTER-BD					E-TECH		
AIR FORCE CANNED AIR-KAR					E-TECH		
Alchek	3	0	0	none	acid Plant	Buffer	
Alumi-ReNu	1	3	0	none	Washrack	Cleaning agent	
American Sales Degreaser F-24					WASHRACK		
American Sales Soap Q-30					WASHRACK		
American sales SOAP	0	1	0		TOOLS		
Ammonium Bicarbonate	2	0	1	none	Chemical Warehouse	Additive	
Ammonium Chloride (Clay Fix)	1	0	0	none	Chemical Warehouse	Clayfix Mat.	
Antifreeze	1	1	0	none	SHOP	Coolant	
APCO water reducible alkyd gloss enamel 24					TOOLS		
Aromatic Solvents	3	3	0	none	Acid Plant	Solvent	
AS-10	2	1	0	none	Acid Plant	Anti-Sludge Agent	

AS-5	3	3	0	none	Acid Plant	Anti-Sludge Agent	
Attapulgite	0	0	0	none	Bulk Plant	Suspending Agent	
BA-2	2	0	0	none		PH Buffer	
BA-20					Acid Plant		
BA-40L	2	0	1	none	Acid Plant	Buffer	
Barite	1	0	0	none	Bulk Plant	Weighting Material	
BATTERY CLEANER-KAR					E-TECH		
BC-140	2	0	0	none	Acid Plant	Cross Linker	
BC-200 X-LINKER					Acid Plant		
BDF-275	1	0	0		Chemical Warehouse		
BDF-302	0	0	0		Chemical Warehouse		
BE-3S Solid Biocide	3	1	0	none	Chemical Warehouse	Bacteriacide	
BE-5	3	1	0		Bulk Plant		
BE-5	3	1	0	corrosive	Chemical Warehouse		
BE-6	3	1	0	none	Chemical Warehouse	Bacteriacide	
Bendix Air Guard	1	3	3	none	SHOP	Methyl Alcohol	
Bentonite	1	0	0	none	Bulk Plant	Cement Gel	
BENTONITE					Chemical Warehouse		
BICARBONATE OF SODA	0	0	0		Chemical Warehouse		
Blaine Ox-Off				corrosive	SHOP		
BOLT OFF PLUS-CERTIFIED					E-TECH		
Bowman Dry Moly Lubricant				Flammable	SHOP	Lubricant	
Brake Fluid	1	1	0	none	SHOP	Brake Fluid	
Calcium Carbonate	0	0	0	none	Bulk Plant	Additive	
CALCIUM CARBONATE	1	0	0		n/a		
Calcium Chloride	1	0	0	none	Bulk Plant	Cmt Accelerator	
Calseal	0	0	0	none	Bulk Plant	Cmt Additive	
Carbon Dioxide Gas					SHOP		
Carcoal Lighter Fluid					SHOP		
CAT-3, ACTIVATOR					Acid Plant		
Caustic Soda 50%	3	0	1		Drum storage-Acid Plant		
CCA-H2S					Chemical Warehouse		
Cement Class C	1	0	0	ALK	Bulk Plant	Cement	
Cement-Standard Fine	1	0	0	ALK	Bulk Plant	Cement	

CFR-3	1	0	0	none	Bulk Plant	Cmt Fric Reducer	
Champion Spray on				Flammable	SHOP	Paint	
CHAMPION SPRAY PAINT					TOOLS		
Chem-Elast 5200 Basecoat					SHOP	Paint	
CHEVRON DEXRON-III/MERCON ATM					Washrack		
Chevron Grease					SHOP	Lubricant	
Chevron Rock Drill Oil 80W-90					WASHRACK		
Chevron SAE 15W-40 OIL					WASHRACK		
CITRA SOLV -55 GAL					WASHBAY	Asphalt Remover	
CITRIC ACID ANHYDROUS					Drum storage-Acid Plant		
CL-22M					n/a		
CL-23					Acid Plant		
CL-28M X-Linker	1	0	0	none	n/a	Cross Linker	
CL-30	1	0	0		n/a		
CL-31 X-Linker	3	0	1	corrosive	Acid Plant	Cross Linker	
Class H/Premium	1	0	0	none	Bulk Plant	Cement	
CLA-STA XP	1	0	0	none	Acid Plant	Clay Stabilizer	
ClayFix II	3	1	1	none	Acid Plant	Clay Stabilizer	
Clear Pvc Solvent Cement					SHOP	Adhesive	
COOL BORE TAPPING COMPOUND-DYNA SYSTEMS					E-TECH		
Crown Paint Thinner				Flammable	SHOP		
Cylinder, Compressed Gas					SHOP		
D-Air 3000	2	1	0	none	Bulk Plant	Defoamer	
D-Air 3000L	2	1	0	none	Bulk Plant	Defoamer	
De-Icer	3	3	0		TOOLS		
Diacel LWL	1	1	0	none	Chemical Warehouse	Fluid Loss	
Diamond Seal	1	1	0		n/a		

DOC-3	3	3	0	Flammable	Chemical Warehouse	Surfactant	
BORIC ACID					Chemical Warehouse		
DRY GRAPHITE-KAR					E-TECH		
Dual Spacer	1	0	0	none	Bulk Plant	Spacer	
Dual Spacer B	1	0	0	none	n/a	Spacer	
Dual Spacer LXP	1	0	0	none	Bulk Plant	Spacer	
DURA HOLD ADHESIVE					E-TECH		
DURATHENE PLUS-CERTIFIED					E-TECH		
DYLEK PS-CERTIFIED					E-TECH		
Econolite-Additive	0	0	0	none	Bulk Plant	Cmt Extender	
ELECTA COAT-CERTIFIED					E-TECH		
ELECTRO SOLVE-KAR					E-TECH		
EMERALD FLOOR CLEANER					TOOLS		
EMERALD NEUTRAL CLEANER					E-TECH		
Engine Paint-Gray					SHOP	Paint	
ER-25					Chemical Warehouse		
EXPEDITE 225-Clean Up					Acid Plant		
EXPEDITE 225-Comp A					Acid Plant		
EXPEDITE 225-Comp B					Chemical Warehouse		
EZ-FLO	2	2	1		Bulk Plant		
F-10	1	0	0	none	SHOP	Alkaline Detergent	
FDP-S769-05					Acid Plant		
FDP-S798-05					Chemical Warehouse		
FDP-S819-05					Chemical Warehouse		
FDP-W658-02	0	0	0	none	Chemical Warehouse	Conformance	
FDP-W659-02	1	1	0	none	Chemical Warehouse	Conformance	
FE-1A-ACETIC ACID					Acid Plant		
FE-2 CRITIC ACID	1	1	0	none	Acid Plant	Iron Control	
FE-5A IRON CONTROL	3	0	0	none	Drum storage-Acid Plan	Reducing Agent	
FE-8	3	1	1	none	n/a obsolete	Reducing Agent	
FerChek	1	0	0	none	Chemical Warehouse	Iron Control	

FerChek A Red Label	0	0	0	none	Chemical Warehouse	Iron Control	
FLEX MASTER ADHESIVE					E-TECH		
Flocele	1	0	0	none	Bulk Plant	Lost Circulation	
Floor Sweep					TOOLS		
FLUID-SILICONE-DIMETHYL					SHOP		
Form-A-Gasket Sealant					SHOP	Sealant	
Formlast Spray Adhesive					SHOP	Adhesive	
FR-26LC					Drum storage-Acid Plant		
FR-38	2	0	0	none	SHOP	Cooling Agent	
Furniture polish	1	1	1		TOOLS		
Gasket Remover	2	4	0	none	SHOP	remover	
Gasstop	1	0	0	none	n/a	Cement Additive	
GASPERM 1000					Chemical Warehouse		
GBW-3	1	1	0	Lab	Chemical Warehouse	Breaker	
GBW-30	1	1	0	none	Chemical Warehouse	Breaker	
Gel-Sta	1	0	0	none	Drum storage-Acid Plan	Stabilizer	
Gilsonite	0	1	1	none	Bulk Plant	Circulation	
Glass cleaner					TOOLS		
GLASS CLEANER					SHOP		
Gloss Hi Solid Paint					SHOP	Paint	
Gloss Oil Base Paint					SHOP	Paint	
Gloss White Areosol Paint	1	4	3		SHOP	Paint	
Gloss Yellow Paint					SHOP	Paint	
GRAPHITE	1	0	0		SHOP		
GRAY SPRAY PAINT-KAR					E-TECH		
Gunk Liquid Wrench					TOOLS		
HAI-404M					Chemical Warehouse		
HAI-85M					n/a		
HAI-GE	4	3	0	none	Chemical Warehouse	Corrision Inhibitor	
HAI-OS	2	3	0	none	Chemical Warehouse	Corrision Inhibitor	
Halad-322	0	0	0	none	Bulk Plant	Fluid Loss	
Halad-344	3	1	0	none	Bulk Plant	Fluid Loss	

Halad-413	1	1	0	none	Bulk Plant	Fluid Loss	
Halad-447	1	0	0	none	Bulk Plant	Fluid Loss	
Halad-9	0	0	0	none	Bulk Plant	Fluid Loss	
Halas-23	1	0	0		Bulk Plant		
HC-2	2	1	0	none	Acid Plant	Foamer/Surfact	
Heavy Duty Glass Cleaner	2	4	0	none	SHOP	Glass Cleaner	
HI TECH CONTACT CLEANER-BD					E-TECH		
HII-124B	2	0	1	none	Chemical Warehouse	Intensifier	
HII-124C	1	0	0	none	Chemical Warehouse	Intensifier	
HII-500M	2	0	0	none	Drum storage-Acid Plan	Intensifier	
HMP Link	1	0	0	none	Drum storage-Acid Plan	Initiator	
HPH BREAKER					Acid Plant		
HR-12	1	0	0		Bulk Plant		
HR-25	1	0	0	none	Drum storage-Acid Plan	Additive	
HR-4	1	0	0		Bulk Plant		
HR-5	1	0	0	none	Bulk Plant	Cmt Retarder	
HR-6	1	0	0	none	Bulk Plant	cement retarder	
HR-601	1	1	0		Bulk Plant		
HR-7	0	1	0	none	Bulk Plant	Cmt Retarder	
Hydrochloric Acid,22	3	0	1	corrosive	Acid Plant	Solvent	
HYDROGEL					Chemical Warehouse		
HYG-3	1	1	0	none	Chemical Warehouse	Acid Buffer	
Int. Harvestor Red Areosol Paint	1	4	3		SHOP	Paint	
ISOPROPANOL					E-TECH		
Isopropyl Alcohol					E-TECH		
K33	1	0	0	none	n/a	Oxy. Scavenger	
K-34	0	0	0	none	Chemical Warehouse	Oil Breaker	
K-35	2	0	0	none	Chemical Warehouse	Buffer	
K-38	1	0	0	none	Chemical Warehouse	PH Buffer	
K-42					n/a		
KCL Potassium Chloride	1	0	0	none	Chemical Warehouse	Clay Control	
LAP-1	0	2	0	none	Bulk Plant	Cmt Fluid Loss	
Latex 2000 Cement Addt	1	0	0	none	n/a	Cmt Additive	
LGC-35 ZD B					Acid Plant		
LGC-35 CBM+					n/a		

Light Machinery Gray Areosol Paint	1	4	3		SHOP	Paint	
Limoene	2	2	0		SHOP		
LIQUID ELECTRICAL TAPE-KAR					E-TECH		
Liquid Nails					SHOP	Adhesive	
LOC TITE THREAD LOCKER					E-TECH		
LoSurf-300	1	4	0	none	n/a	Non-emulsifier	
LO-SURF 300 M					Drum storage-Acid Plant		
LUBRA-BEADS	0	0	0		Chemical Warehouse		
MA-100D	0	0	0	none	Chemical Warehouse	Gelling Agent	
MA-17	2	0	0	none	Acid Plant	Cross Linker	
Macropoxy HS Hardner					SHOP		
Marine Yellow Coating					SHOP	Paint	
MDL-4 LUBRICANT-KAR					E-TECH		
Medium Acrylic Lacquer Thinner					SHOP		
Methanol	1	3	0	none	Chemical Warehouse	Solvent	
MF-1	0	0	0	none	Bulk Plant	Thinner	
MF-55					Chemical Warehouse		
MICATEX COARSE\FINE	1	0	0		Chemical Warehouse		
Micro Fly Ash	1	0	0	none	n/a	Cement Additive	
Micro Matrix	1	0	0	none	n/a	Cement	
Microbond Additive	1	0	0	none	Bulk Plant	Expansive Additive	
MO-67	1	0	0	none	Drum storage-Acid Plan	My-T-Oil Gel	
Morflo III	2	3	0	none	Chemical Warehouse	Surfactant	
MOTOR OIL	0	1	0		SHOP		
MSA-III	3	3	0	none	Chemical Warehouse	Corrosion Inh.	
Multi purpose Lithium Gre	0	1	0		TOOLS		
Muriatic Acid	3	0	0		TOOLS		
MUSOL-A	2	2	0	Lab	Acid Plant	Mutual Solvent	
NAPA Prem Starting Fluid					SHOP	Starting Fluid	
Non-Chlorinated Brake Cleaner	3	1	1	none	SHOP	Solvent	

NXS LUBE					Chemical Warehouse		
One Stroke	3	1	0	none	SHOP	Gasket remover	
OPTIFLO THE					Chemical Warehouse		
Optiflo-II	1	1	1	Oxidizer	Chemical Warehouse	Delayed Breaker	
Optiflo-III	1	0	1	Oxidizer	Chemical Warehouse	Delayed Breaker	
Optiflo-LT	1	0	0	none	n/a	Delayed Breaker	
ORBIT CLEANER					E-TECH		
OXIDE RED	1	0	0		n/a		
OXOL II Oxidant	2	0	1	none	Chemical Warehouse	Pre-flush	
Oxygen	3	0	0		TOOLS		
PARACHEK 160					Drum storage-Acid Plant		
Parasperse	3	3	0	none	Chemical Warehouse	Paraffin Dispersant	
PB penetrating catalyst	2	2	0		TOOLS		
PEN 88M	2	2	0	none	Acid Plant	High Temp Surfact	
Penetrating Oil					SHOP	Lubricant	
PHENO SEAL	1	0	0		Drum storage-Acid Plant		
Pipe Cleaner					SHOP	Cleaner	
PIPE SEALANT-BOWMAN					E-TECH		
POTASSIUM ACETATE					n/a		
POTASSIUM CHLORIDE	1	0	0		Chemical Warehouse		
Pozmix A Flyash	1	0	0	none	Bulk Plant	Cmt Additive	
PROPYLENE GLYCOL					SHOP/ acid dock		
Protex-All	2	2	0	none	Acid Plant	Scale Inhibitor	
RHODAMINE RED LQ DYE					bulk plant		
Quick Dry Kilz					SHOP	Paint	
Quick Starting Fluid Cylinder					SHOP		
Red Iron Oxide Primer	1	4	3		SHOP	Paint	
Regular Unleaded Gasoline					SHOP	Fuel	
Rhodamine Red Liq Dye					Bulk Plant		
RTV Silicon Adhesive					SHOP	Adhesive	
Rust Not					SHOP		
Salt stock	0	0	0	none	Chemical Warehouse	Additive	
SALT WATER GEL	1	0	0		n/a		

SALT,EVAPORATED	0	0	0		n/a		
Salt,Morton-Purex-Fine	0	0	0	none	n/a	Additive	
Salt-Cement grade	0	0	0	none	Bulk Plant	Cement Additive	
Sam-4 Spacer	1	2	0	none	n/a	Spacer	
Sand-20/40 Brady	0	0	0	none	n/a	Proppant	
Sand-Okl.#1 100 mesh	0	0	0	none	n/a	Proppant	
Sand-Okla#1 SSA-2	0	0	0	none	Chemical Warehouse	Proppant	
SANDWEDGE NT					Drum storage-Acid Plant		
SAPP	1	0	0		Chemical Warehouse		
SCA-130	3	3	0	none	Chemical Warehouse	Inhibitor	
SCALECHEK LP 55					Chemical Warehouse		
SCP-2					Chemical Warehouse		
SCR-100	0	1	0	none	Bulk Plant	Retarder	
Seven Star Acrylic Semi Gloss Enamel					SHOP	Paint	
SGA-1	3	2	0	none	Acid Plant	Acid Gel Agent	
SGA-HT	1	1	0	none	Acid Plant	Acid Gel Agent	
SGA-II	1	1	0	none	Acid Plant	Acid Gel Agent	
SGA-III	1	1	0	none	Acid Plant	Acid Gel Agent	
Sherwin Williams Reducers					SHOP		
Sherwin Williams Specialty Engine paint					SHOP	Paint	
Silica sand	0	0	0		TOOLS		
Silicalite, 50-50 Pozmix	0	0	0	none	Bulk Plant	Additive	
SODA ASH	2	0	0		Chemical Warehouse		
SODIUM BICARBONATE	0	0	0		Chemical Warehouse		
SODIUM HYPROCHLORITE	1	1	2		n/a		
SP Breaker-55#	1	0	1	Oxidizer	Chemical Warehouse	Breaker	
SPEEDBALL CLEANER	1	0	0		TOOLS		
Sprayon dry moly lube SC	2	4	0		TOOLS		
Sprayon insulating varnis	2	4	0		TOOLS		
Sprayway De-Icer Aerosol				Flammable	SHOP		
SS-105	2	1	0		n/a		
SSO-21M	1	3	0	none	Chemical Warehouse	Aqueous Foamer	
Starting Fluid	1	4	0	none	SHOP	Starting Fluid	

STARTING FLUID					E-TECH		
STARTING FLUID				FLAMMABL	SHOP		
STICK-LESS 20	0	0	0		Chemical Warehouse		
SUGAR- GRANULATED					Bulk Plant		
Super CBL	0	1	1	none	Bulk Plant	Cement Additive	
Super Heavy Duty DOT 3 Brake Fluid					SHOP	Brake Fluid	
SUPER SAF SOL-CERTIFIED					E-TECH		
SUPERSET -W					Chemical Warehouse		
Superflo III	2	0	0	none	Drum storage-Acid Plan	Surfacant	
SWP Exterior Gloss Oil Based Paint					SHOP	Paint	
TARCHEK ASPHALTENE					Drum storage-Acid Plant		
TBA-110	0	0	0	none	n/a	Bridging Agent	
THERMA-THIN	1	1	0		n/a		
Thix Set Component A					Bulk Plant		
Thix-Set Component B	0	0	0	none	n/a	Thixotropic	
Thompson Waterseal					SHOP	sealant	
TLC-80	2	1	0	none	Chemical Warehouse	Diverter	
Tuf Fiber 594	0	0	0		Bulk Plant		
Unleaded Gas				Flammable	n/a	Fuel	
Unleaded Gas					WASHRACK		
VICON NF BREAKER					Drum storage-Acid Plant		
Wac-9	1	0	0	none	n/a	Fluid Loss	
WD-40	2	2	0		Facility		
WEATHER-STRIP ADHESIVE-BOWMAN					E-TECH		
WG-11	1	1	0	none	Bulk Plant	Water Gel Agent	
WG-17	0	0	0	none	Bulk Plant	Water Gel Agent	
WG-18	1	1	0	none	n/a	Water Gel Agent	
WG-19	1	0	0		Chemical Warehouse		
WG-20	1	1	0	none	n/a	Water Gel Agent	
WG-22	1	0	0	none	n/a	Water Gel Agent	
WG-24	1	0	0		n/a		
WG-33	1	0	0		n/a		

Windshield Washer					SHOP	Cleaner	
WLC-6	1	0	0		n/a		
WLC-7	1	0	0	none	Chemical Warehouse	Fluid Loss	
X-100 Motor Oil	1	1	0		SHOP	Oil	
XC-207					Chemical Warehouse		
X-CIDE 207	3	1	0	corrosive	Chemical Warehouse		
XL-1	2	0	0	none	Acid Plant	Acid Gel X-Linker	
Xylenes					SHOP		
Yellow Traffic Paint					SHOP	Paint	
ZEO GEL	1	0	0		Chemical Warehouse		
Zeo-Gel	1	0	0		Bulk Plant		
Zynolyte speed enamel					TOOLS		

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	Grease and oil from truck parts	500 gal	Soap
Steam Cleaning of tool parts		300 gal.	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	2000 gal/month	
10. Painting Waste	Not Applicable		

11. Sewage (Indicate if other wastes mixed with sewage; if no commingling, domestic sewage under jurisdiction of the NMEID)	Truck Washing effuent is mixed the sewage. Neutralized Acid Residue is mixed with sewage.	100,000 gal 5000 gal	Neutralized hcl acid to ph 6 to 9
12. Other waste Liquids	Not Applicable		
13. Other waste Solids (cement, construction materials, used drums) Pallets, boxes, office trash	Waste Cement Empty Drums	500 sacks per month 30 drums/per month	Cement Chemical Residue only

DISCHARGE PLAN APPLICATION

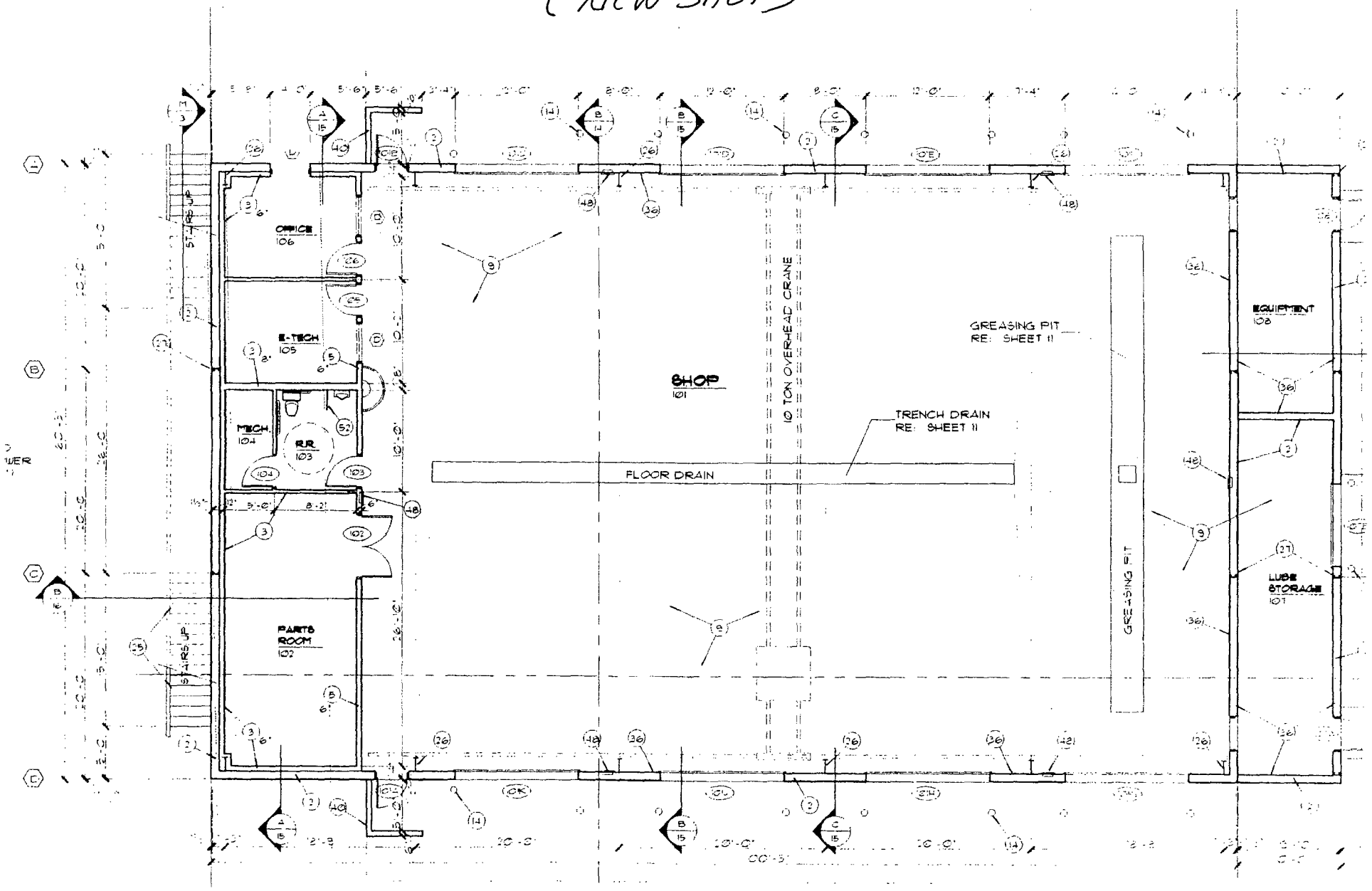
OILFIELD SERVICE FACILITIES

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 /CRI
2. Truck and tank 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					Thermofluid
7. Waste Lubrication and Motor Oils	Tank					Thermofluid
8. Oil Filters	Drum					Thermofluid
9. Solids and Sludges from tanks		Sump				Sundance
10. Painting Wastes	N/A					
11. Sewage						City of Artesia
12. Other Waste Liquids						City Sewer
13. Other Waste Solids						City landfill

Part 9 Shop Modification (New SHOP)



DISCHARGE PLAN APPLICATION

HALLIBURTON ENERGY SERVICES
5801 LOVINGTON HWY.
HOBBS, NM 88240

PART: X

Routine inspection and maintenance plan to ensure permit compliance.

1. Continue to perform monthly Tiered Inspections that include the inspection of tanks, piping, supports, containment, sumps, valves, and sumps. Make necessary repairs as noted on corrective actions from inspections.

2. Continue to perform monthly FOG (fats, oil & grease) analytical. Collection is done at the manhole just off the facility. Third Party vendor (Cardinal Labs) is contracted to take care of collection and analytical of samples.

3. Continue to monitor neutralized spent acid residue that is dispose of through the wash rack oil/water separator. Data collected is PH, Quantity, Date. PH is adjusted and confirmed at the acid plant. The material is then hauled to the wash rack and again the PH is tested before releasing material into oil/water system at wash rack.

4. Continue to use Biodegradable, Quick Release wash rack soaps and degreasers.
Soaps and degreasers are designed to have Quick Release characteristics to ensure that no oils are carried through the system.

5. Oil/water system has an Oil Skimmer. The skimmer is checked daily for operations and water is drained off storage tank daily.

6. Run analytical on wash rack sump sludge yearly. Third Party (Cardinal Labs) is contracted to collect and analysis the wash rack/sump sludge.

Part 11

FACILITY EMERGENCY
(fire, explosion, hazmat spill, etc.)

1. Preparation

a. The OM/BOM will conduct a monthly Facility Safety Inspection to include availability and accessibility of fire extinguishers, radiation survey meters, spill response kits, emergency eyewash and emergency showers at a minimum
b. Placards, listing names and telephone numbers of persons to be contacted in the event of an emergency, are to be posted on the inside and outside of facility or work site main doors and gates.
c.. Supervisors are responsible for energy control devices and utility shutoffs in their area, and will ensure department personnel are familiar with the location and operation of the controls.

d. Supervisors are responsible for ensuring alarms (fire/smoke, security, and equipment) are maintained in their area.

2. Notification

a. The person first noticing an emergency situation (fire, explosion, radiation incident, hazmat spill, etc.) will immediately notify the employees in the surrounding area to evacuate and use emergency sirens to sound alarm.
b. Ensure notification of Orlando Sedillos, the OM, or Tom Hart, the BOM, or Pat Saunder, the District Manager.

3. Response

a. Spill Response Kits are located in the Bulk Plant, Acid Dock, and Maintenance Shop. **MSDS are kept in each work area where chemicals are used or stored and provide specific spill response guidance for chemicals in the respective areas.**
b. As appropriate, building equipment, gas and electrical utility feeds, are to be turned OFF.
c. If necessary, the OM/BOM will order evacuation of the entire facility or work site.
d. The OM/BOM will contact designated employees and coordinate the response effort.
e. If necessary, the OM/BOM will contact *external emergency responders*:

Halliburton Energy Services Field Locations maintain quantities of chemicals that could, in the case of an accidental release, produce a hazard that will require emergency response personnel. If an accidental release happens, the HSE Representative will coordinate along with SESI, the clean-up efforts.

During the time of the release, (i.e. Leaking Tank), *NO ONE WILL BE ALLOWED TO ENTER THE AREA BEFORE THE HAZARDS CAN BE PROPERLY EVALUATED AND THE PROPER PERSONAL PROTECTIVE EQUIPMENT HAS BEEN PUT ON.*

The largest chemical hazard that could possibly be presented will be from a release at the Chemical Storage Unit (Acid Dock).

The Hydrochloric Acid at this area should be sufficiently contained inside the bermed area.

If the release is not contained by this berm, the facility should quickly move to prevent the acid or other chemicals from leaving the Halliburton property.

The first move should be to block the drainage exits inside the facility with sack sand from the Bulk Plant. The Acid Dock will have Sodium Bicarbonate to be used as a neutralizer or pH adjuster.

A dike should be built at the facility boundaries to contain the chemicals and keep them from leaving the property.

SPILL RESPONSE SUPPLIES

A sufficient stock of sand that could be used as a dike will be kept in the Bulk Plant.

The Acid Dock will keep Sodium Bicarbonate in stock as a normal stock item. Sodium Bicarbonate is used as a neutralizer of pH adjuster.

In the event of an emergency outside sources should be used to obtain the amount needed to neutralize a large release.

Other response supplies will be kept in the Warehouse E. (Absorbent materials and DOT drums and containers).

All response efforts will be coordinated between HSE and SESI (575-397-0510).

Era	System	Series	Stratigraphic unit	Unit thickness (feet)	Physical characteristics	Hydrogeologic unit		Saturated thickness (feet)	Hydrologic characteristics
Cenozoic	Quaternary	Holocene Pleistocene	Alluvium	0 - 300	Unconsolidated gravel, sand, silt, and clay	Roswell Basin aquifer system	Alluvial aquifer	0 - 300	Water-table aquifer. Very permeable. Wells may yield more than 2,000 gallons per minute
Paleozoic	Permian	Upper	Tansill, Yates, and Seven Rivers Formations, undivided	900 - 1,200	Dolomite, limestone, and gypsum interbedded with sandstone and siltstone		none	—	Generally does not yield water to wells. Where permeable, may yield saline water
			Queen and Grayburg Formations, undivided	400 - 800	Dolomite and sandstone interbedded with siltstone and gypsum		Upper confining unit	0 - 800	Generally low permeability except where fractured or where dissolution of gypsum has created solution openings
			San Andres Limestone and Glorieta Sandstone, undivided	700 - 1,500	Limestone, dolomite, sandstone and gypsum		[redacted]	0 - 600	Very permeable aquifer present in solution openings of middle to upper part of San Andres Limestone and lower part of Grayburg Formation. Wells may yield more than 3,000 gallons per minute
		Lower	Yeso Formation	1,200 - 2,400	Sandstone, siltstone, dolomite, and gypsum		Lower confining unit	0 - 2,400	Lower, unaltered part of San Andres Limestone, Glorieta Sandstone and Yeso Formation are much less permeable than the carbonate aquifer and form lower confining layer of the aquifer

Modified from Welder, 1983

Figure 93. *The Roswell Basin aquifer system contains two aquifers. An alluvial aquifer that consists of Quaternary sediments overlies a more extensive carbonate-rock aquifer that primarily consists of the San Andres Limestone.*

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

March 02, 2007

Mr. Stephen Bailey
Location Manger
Halliburton
5801 N. Lovington Highway
Hobbs, New Mexico 88240-9155

RE: Potential Release Investigation and Major Modification Request GW-115
Halliburton Geophysical
Artesia Service Facility
5801 South 1st Street, Artesia, New Mexico 88210
Eddy County, New Mexico

Dear Mr. Bailey:

On February 21, 2007, the New Mexico Oil Conservation Division (OCD) was requested by the City of Artesia to investigate a potential release from the Halliburton Artesia Service Facility (GW-115) into Artesia's POTW. The investigation revealed high concentrations of suspended solids and very low concentrations of Gasoline Range Organics (0.75 mg/L), Diesel Range Organics (29 mg/L), Acetone (2.9 mg/L), Ethlybenzene (0.018 mg/L), Total Xylene (0.05 mg/L), and Toluene (0.025 mg/L) discovered in the Halliburton dedicated pump/lift station. These results were obtained from the sampling and laboratory analytical provided by the City of Artesia. The concentrations of the organic constituents listed above, while observed in low concentrations, is still a concern to OCD and as a result will require Halliburton to perform the following actions to prevent any future occurrences from happening in the future.

The investigation revealed the implementation of a major facility design and operational changes. The construction of the new shop, installation of a second oil-water separator system, the protocol changes for collection, treatment, and temporary storage of waste constitutes a major modification to the existing Discharge Plan Permit GW-115. In accordance with 20.6.2 NMAC, the OCD requires Halliburton to submit a request for a modification to Permit GW-115. The submittal should address the new construction, waste streams, collection, containment and storage, the demolition, disposal, and investigation of the old shop, and any other additions, changes, and/or modifications to the facility or previously approved practices or protocols. Please review the "Guidelines For Preparation Of Discharge Plan At Oil Field Service Facilities" on the OCD website http://www.emnrd.state.nm.us/ocd/EH-DischargePlanGuidlines.htm to determine if additional issue should be addressed. Also, please provide a complete "Discharge

Plan Application" form and the filing fee of $100.00 upon submittal of the modification request. *Please remit all checks for payment made payable to Water Quality Management Fund.*

OCD hereby requires Halliburton to submit a major modification for Permit GW-115 within 60 days of receipt of this letter. If there are any questions regarding this matter, please do not hesitate to contact Brad Jones of our staff at (505) 476-3487 or e-mail brada.jones@state.nm.us.

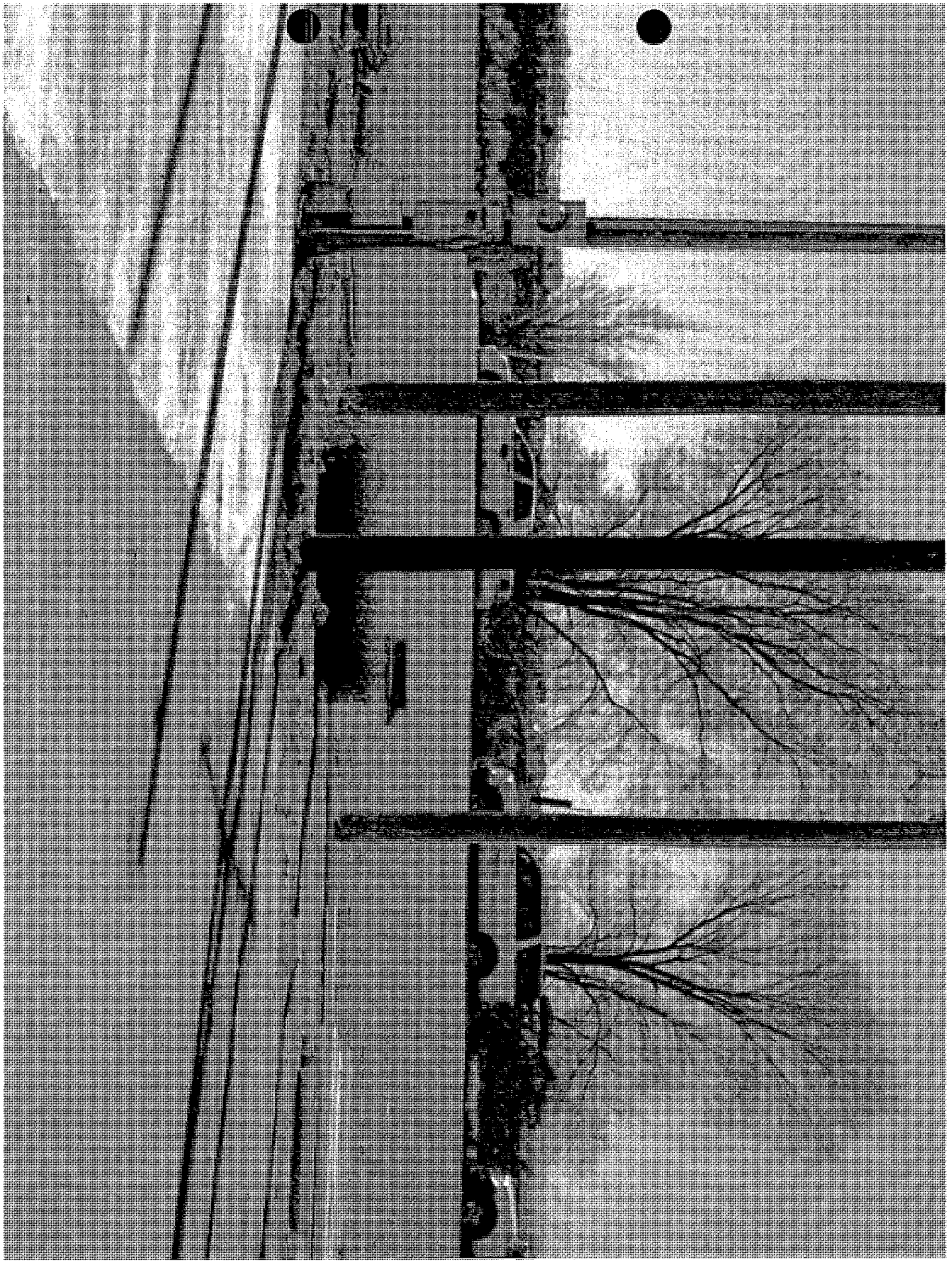
Sincerely,

Wayne Price
OCD-Environmental Bureau Chief

WP/bj

cc: OCD District II Office, Artesia
Neil Knott, Utilities Director, City of Artesia, Artesia, NM 88211

2-21-2007 Sample obtained from Halliburton pump station.
High concentration of suspended solids in water



2-21-2007 Halliburton sampled effluent is manhole on facility/ their side of Hwy 285

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

October 23, 2003

Mr. Stephen Bailey
Halliburton Energy Services
5801 Lovington Highway
Hobbs, New Mexico 88240

RE: Discharge Plan Renewal Approval GW-115
Halliburton Energy Services
Artesia Service Facility
Eddy County, New Mexico

Dear Mr. Bailey:

The ground water discharge plan renewal GW-115 for the Halliburton Energy Services Artesia Service Facility located in Section 28, Township 17 South, Range 26 East, NMPM, Eddy 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 January 5, 1993 and approved January 13, 1994. The discharge plan renewal application, dated September 11, 2003, 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.

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 13, 2009**, 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 Artesia 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 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 Artesia Office

ATTACHMENT TO THE DISCHARGE PLAN RENEWAL GW-115
HALLIBURTON ENERGY SERVICES
ARTESIA SERVICE FACILITY
DISCHARGE PLAN APPROVAL CONDITIONS
(October 23, 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 may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

2. Halliburton Energy Services Commitments: Halliburton Energy Services will abide by all commitments submitted in the discharge plan renewal application dated September 11, 2003 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 Artesia 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 Artesia Service Facility are discontinued for a period in excess of six months. Prior to closure of the Artesia 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 _____ HSE Technical Coordinator
Title

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)

RECEIVED
OCT 0 2 2003
OIL CONSERVATION DIVISION

❑ New **X**-Renewal **X**-Modification

1. Type: Oil Service Facility

2. Operator: Halliburton Energy Services, Inc.

   Address: 2311 South First Street

   Contact Person: Stephen Bailey Phone: (505) 392-0701

3. Location: ____/4 ____/4 Section: 28 Township: 17S Range: 26 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**

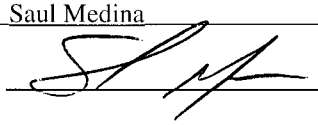
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. **NO CHANGE**

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**

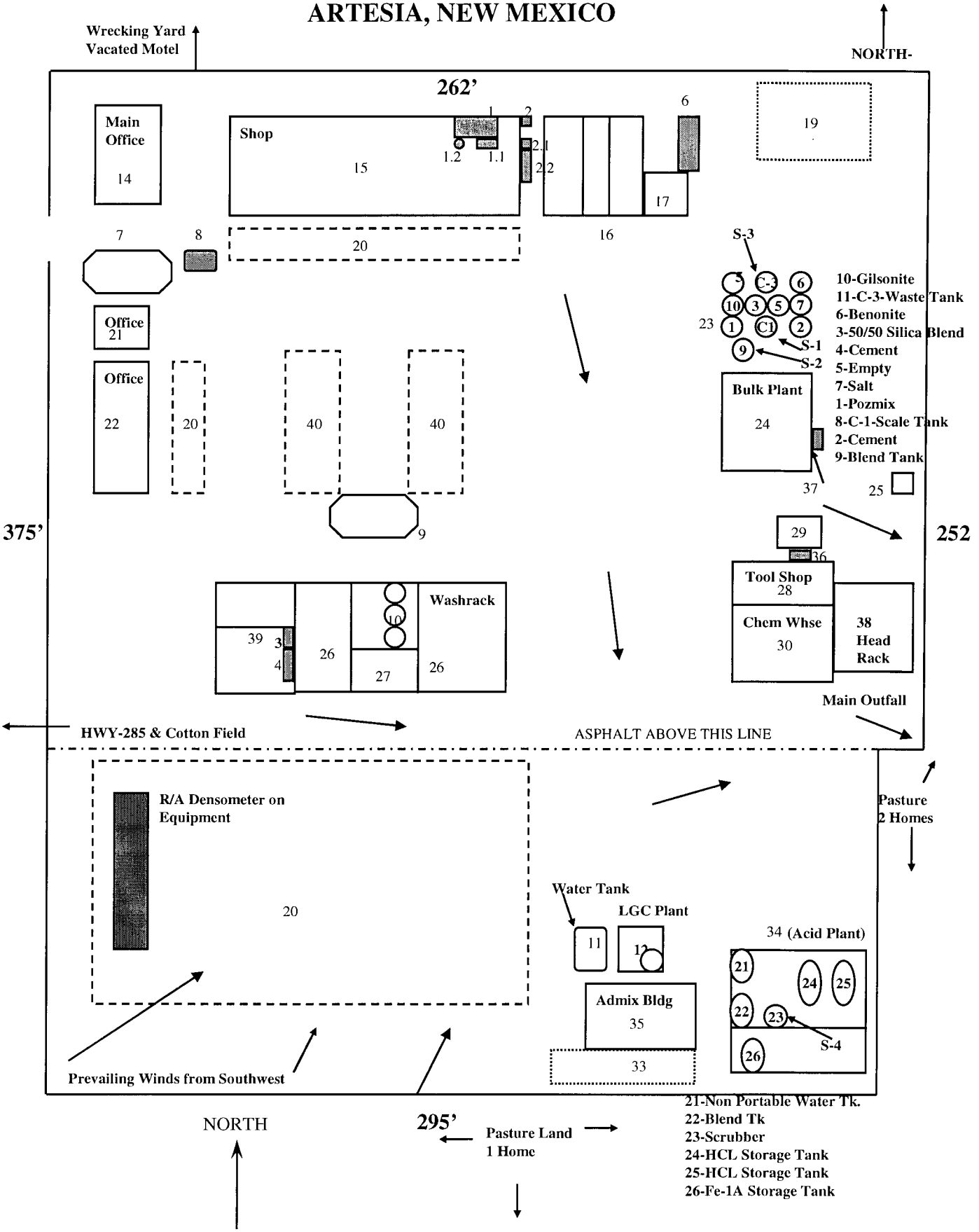
14. CERTIFICATION

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

NAME: Saul Medina Title: HSE Technical Professional

Signature:  Date: 09/11/03

HALLIBURTON ENERGY SERVICES
2311 SOUTH FIRST STREET
ARTESIA, NEW MEXICO



HALLIBURTON ENERGY SERVICES
2311 SOUTH FIRST STREET
ARTESIA, NEW MEXICO

Updated 09-01-03

1. New Anti-freeze - 220 gallon
1.1 New 15/40 Oil - 2 @ 275 gallon
1.2 New 80w-90 Oil - 55 gallon
1.2 New Tractor Hydraulic - 55 gallon
2. Used Oil-325 gallon
2.1 Used Oil-115 gallon
2.2 Used Anti-freeze - 3 drums @ 55 gallon
3. New Oil-275 gallon
3. Rock Drill Oil-275 gallon
4. Hydraulic Oil, 90 wt. Oil, Grease - 4 drums @ 55 gallon
5.
6. Oil/Water Separator- Abandoned
7. UST Gasoline Leak-Remediation in Process
8. Gasoline Storage Tank-500 gallon
9. Control Station-Remediation in Process
10. Underground Grit Tanks
11. LGC Storage Tk. 8,000 gal.
12. Underground Neutralization Tanks*
14. Office Building
15. Truck Shop
16. Grease Rack
17. Head Rack-Out of Service
19. Outside Equipment Storage
20. Truck & vehicle Parking
21. Office Building
22. Office Building
23. Bulk Cement Storage Tanks*
24. Logging Bay
25. Densometer Storage
26. Wash Rack
27. Grit Pit
28. Tool Shop
29. Tool Storage
30. Warehouse
31. Sand Storage Tanks*
32. Washrack Grit storage
33. Outside Equipment Storage
34. Chemical Terminal*
35. Chemical Additive Room*
36. Soap Tank - 275 gallon
37. Radioactive Storage
38. Head Rack
39. Equipment Room
40. Employee Parking

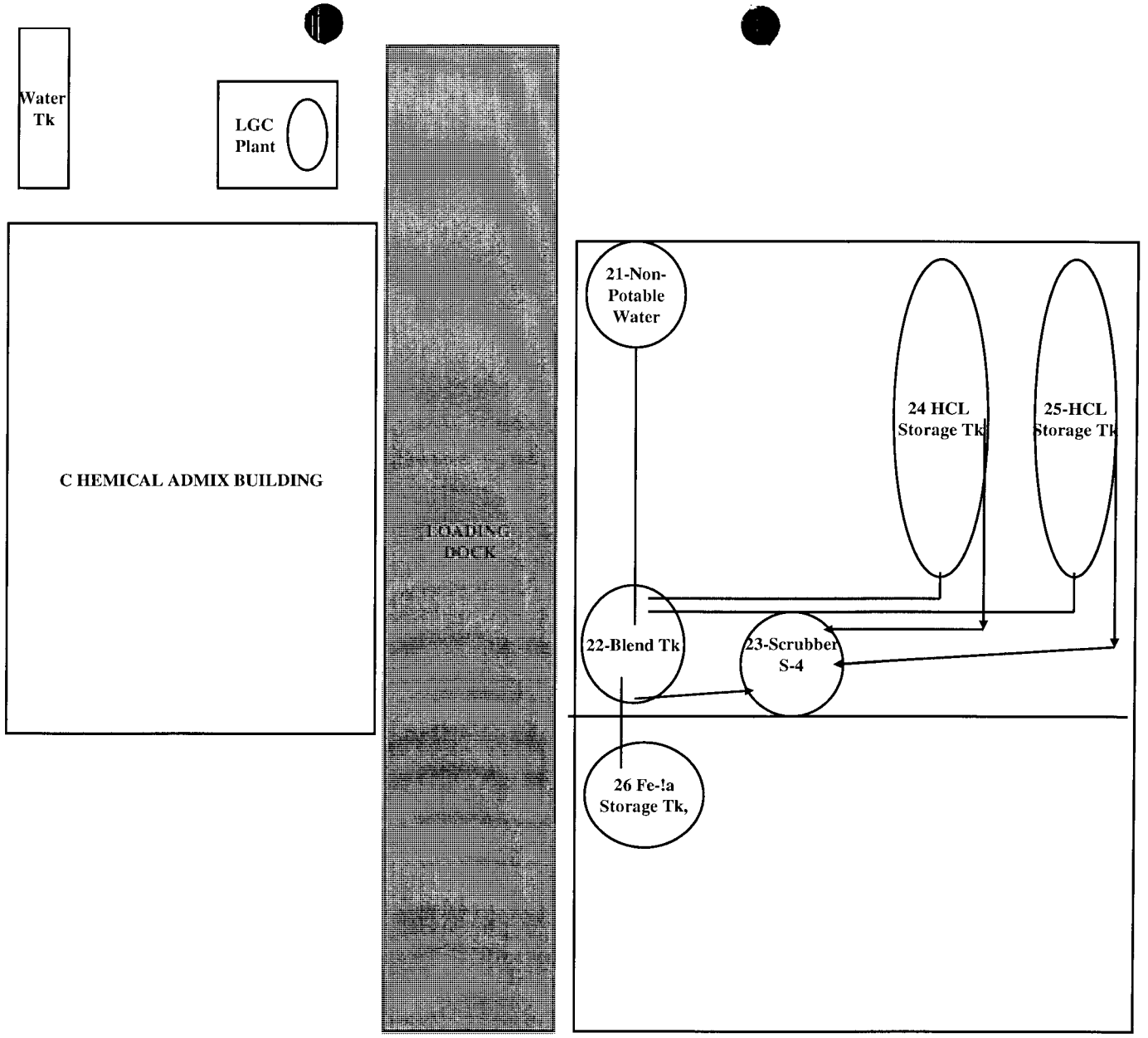
10-Benonite
C-3-Waste Tank
6-Pozmix
5-Gilsonite
4-Cemenet
5-Cement
7-Salt
1-Cement
C-1-Scale Tank
2-Cement
9-Blend Tank

21-Non-Portable Water
22-Blend Tank
23-Scrubber
24-HCL Storage Tank
25-HCL Storage Tank
26-FE-1A Storage Tank

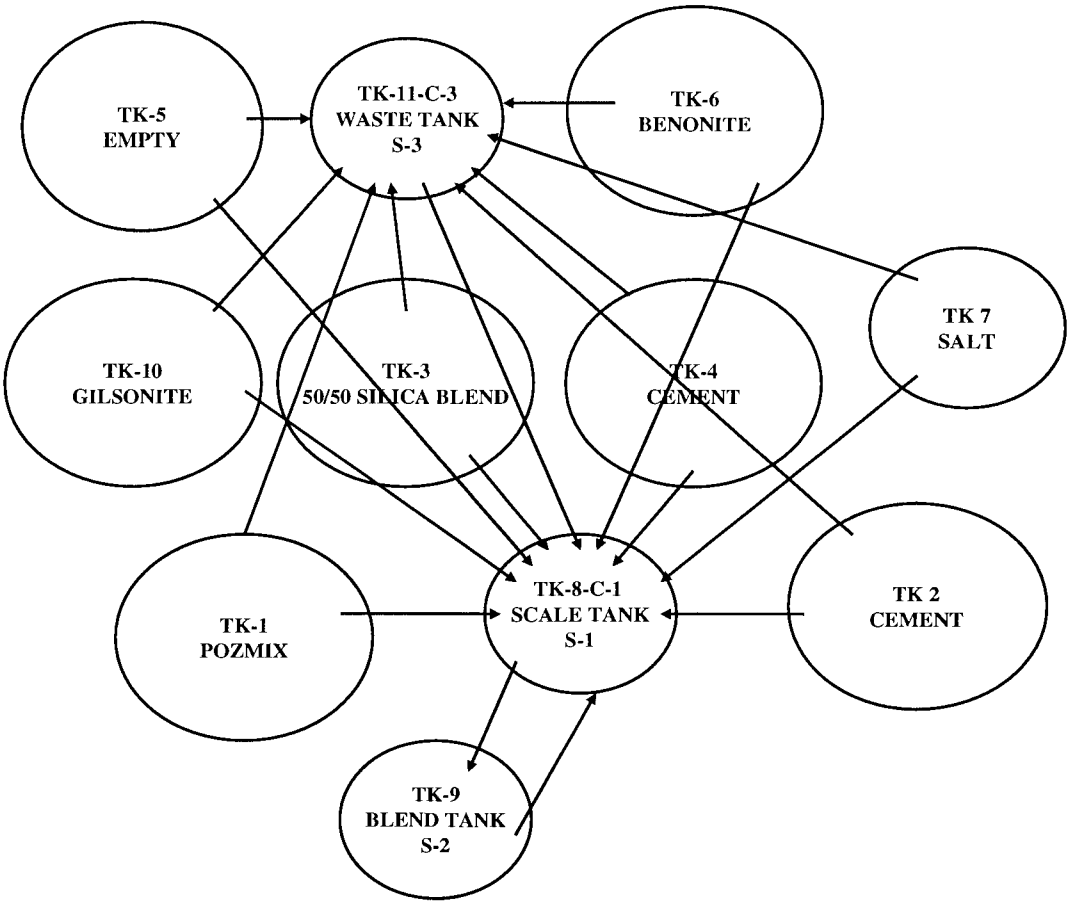
Blue Arrows indicate Stormwater Flow

*OUT OF SERVICE

Property on the north side is a wrecking yard, vacant lot, vacated motel, On the east side of property at hulk plant is two homes, On the south side of property is pasture and then one home, on the west side is Hsy 285 and on the other side of 285 is cotton field.


Water Tk
LGC Plant
C HEMICAL ADMIX BUILDING
LOADING DOCK
21-Non-Potable Water
24 HCL Storage Tk
25-HCL Storage Tk
22-Blend Tk
23-Scrubber S-4
26 Fe-!a Storage Tk,

ACID PLANT



BULK PLANT OFFICE & WAREHOUSE

Halliburton Energy Services — Facility Inventory
2311 SOUTH FIRST
ARTESIA, NM 88210

Chemical Name	Health	Flammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	Air SUPPLIED	RUBBER APRON	COVERALLS
19N	3	3	0	none	Acid Plant	NE Agent	100012276	x	x	x	x	x			x
ABF	3	0	0	none	Warehouse	Flouride									
ACO-1 Foaming Agent	3	3	0	none	Acid Plant	Foam Agent	100012200	x	x		x				
Activator W	2	3	1	none	Acid Plant	Accelerator	100064035	x	x		x				
Adomite Regain	1	0	0	none	Warehouse	Fluid Loss	100003726	x	x		x				x
AF-61	2	1	0	none	Acid Plant	Emulsifier	100012771	x	x	x	x	x			x
Alchek	3	0	0	none	Warehouse	Buffer	101252393	x	x	x	x	x		x	
Ammonium Bicarbonate	2	0	1	none	Warehouse	Additive	13396	x			x	x		x	
Ammonium Chloride	1	0	0	none	Warehouse	Clayfix Mat.	100001576	x	x		x	x			
ANHIB II	2	3	0	none	Acid Plant	Corrision Inhibitor	100003821	x	x		x	x	x	x	
Antifreeze	1	1	0	none	Shop	Coolant		x	x						
AQF-2	1	2	0	none	Acid Plant	Foamer	100003743	x	x		x	x		x	
Arcosolv DPM	0	3	0	none	Acid Plant	Solvent	101212732	x	x	x	x	x		x	
AS-10	2	1	0	none	Acid Plant	Anti-Sludge Agent	101201450	x	x	x	x	x		x	
AS-5	3	3	0	none	Acid Plant	Anti-Sludge Agent	101203443	x	x	x	x	x	x	x	
Attapulgite	0	0	0	none	Bulk Plant	Suspending Agent	100012204	x				x			
BA-10	2	1	1	none	Acid Plant	Buffer	100064150	x	x		x	x		x	
BA-2	2	0	0	none	Warehouse	PH Buffer	100003625	x	x	x	x	x		x	
BA-20	2	1	1	none	Acid Plant	Buffer	100003640	x	x	x	x	x	x	x	
BA-40L	2	0	1	none	Acid Plant	Buffer	100003797	x	x		x	x		x	
Barite	1	0	0	none	Bulk Plant	Weighting Material	100003680	x				x			
BC-140	2	0	0	none	Acid Plant	Cross Linker	100012288	x	x		x	x		x	
BC-200	2	2	0	none	Acid Plant	Cross Linker	100012293	x	x		x	x		x	
BE-3S Solid Biocide	3	1	0	none	Warehouse	Bacteriacide	100003836	x			x	x		x	
BE-6	3	1	0	none	Warehouse	Bacteriacide	100003800	x				x		x	
Bendix Air Guard	1	3	3	none	Shop	Methyl Alcohol		x	x		x			x	
Bentonite	1	0	0	none	Bulk Plant	Cement Gel	100003682	x							
Brake Clean	3	1	1	none	Shop	Solvent		x	x		x				
Brake Fluid	1	1	0	none	Shop	Brake Fluid		x	x		x	x			
Calcium Carbonate	0	0	0	none	Bulk Plant	Additive	100012280	x			x	x		x	
Calcium Chloride	1	0	0	none	Bulk Plant	Cmt Accelerator	100005053	x	x			x			
Calseal	0	0	0	none	Bulk Plant	Cmt Additive	100005051	x	x			x			
CAT-3 Activator	2	1	1	none	Acid Plant	Activator	100003805	x	x		x	x			
CAT-4 Activator	2	1	0	none	Acid Plant	Activator	100007868	x	x		x	x		x	
CCA-H2S	1	1	0	none	Acid Plant	H2S Scavenger	101203946	x			x	x			
Cement Class C	1	0	0	ALK	Bulk Plant	Cement	100012205	x				x			
Cement-Standard Fine	1	0	0	ALK	Bulk Plant	Cement	100012229	x				x			
CFR-3	1	0	0	none	Bulk Plant	Cmt Fric Reducer	100003653	x				x			
CL-22	2	3	1	none	Acid Plant	Cross Linker	100012291	x	x		x		x	x	
CL-22M	2	2	0	none	Acid Plant	Cross Linker	101208072	x	x		x	x		x	

Halliburton Energy Services
2311 SOUTH FIRST
ARTESIA, NM 88210

Facility Inventory

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYI NG	AIR SUPPLIED	RUBBER APRON	COVERALLS
CL-23	1	1	1	none	Acid Plant	Cross Linker	100003833	x	x		x	x		x	
CL-28M X-Linker	1	0	0	none	Acid Plant	Cross Linker	100003880	x	x		x	x		x	
CL-31 X-Linker	3	0	1	corrosive	Acid Plant	Cross Linker	100007866	x	x		x	x		x	
Class H/Premium	1	0	0	none	Bulk Plant	Cement	100003687	x				x			
CLA-STA XP	1	0	0	none	Acid Plant	Clay Stabilizer	100003733	x	x		x	x		x	
ClayFix II	3	1	1	none	Acid Plant	Clay Stabilizer	100003729	x	x	x	x	x		x	
D-Air 3000	2	1	0	none	Bulk Plant	Defoamer	101007446	x			x				
D-Air 3000L	2	1	0	none	Bulk Plant	Defoamer	101007444	x			x				
D-Air-1	0	0	0	none	Acid Plant	Antifoam Agent									
Dexron III Mercon	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
Diacel LWL	1	1	0	none	Warehouse	Fluid Loss									
Diesel	1	2	0	none	Fuel Tanks	Fuel		x			x				
DOC-3	3	3	0	Flamamble	Warehouse	Surfactant									
Dual Spacer	1	0	0	none	Bulk Plant	Spacer	100003654	x	x		x	x			
Dual Spacer B	1	0	0	none	Bulk Plant	Spacer	100003665	x	x		x	x			
Dual Spacer LXP	1	0	0	none	Bulk Plant	Spacer	100003878	x	x		x	x			
Econolite-Additive	0	0	0	none	Bulk Plant	Cmt Extender	100001580	x	x		x	x		x	
ER-1 Epoxy Resin	2	2	0	none	Acid Plant	Resin	100009770	x	x		x	x		x	
ER-25	2	2	0	none	Acid Plant	Resin	101214215	x	x		x	x		x	
F-10	1	0	0	none	Shop	Alkaline Detergent		x			x	x			
Fci 5000 15w40	1	1	0	none	Shop	Lubricant		x	x		x				
Fcimulti-duty grease	1	1	0	none	Shop	Grease		x	x		x				
FDP-S570-98	2	2	0	none	Acid Plant	Conductivity	101214110	x	x		x	x		x	
FDP-W658-02	0	0	0	none	Acid Plant	Conformance									
FDP-W659-02	1	1	0	none	Warehouse	Conformance									
FE-1A	2	2	1	w. reac.	Acid Plant	Iron Control	100001601	x	x	x	x	x			x
FE-2	1	1	0	none	Acid Plant	Iron Control	100001615	x	x	x	x				
FE-2A	1	1	1	none	Acid Plant	Additive	13727	x	x		x			x	
FE-5A	3	0	0	none	Acid Plant	Reducing Agent	100003811	x	x		x	x		x	x
FE-8	3	1	1	none	Acid Plant	Reducing Agent	101246191	x	x	x	x	x			x
FE-8M	3	1	1	none	Acid Plant	Reducing Agent	101246191	x	x	x	x	x			x
FerChek	1	0	0	none	Acid Plant	Iron Control	100012191	x			x	x			
FerChek A Red Label	0	0	0	none	Acid Plant	Iron Control	100012226	x	x		x	x		x	
Flocele	1	0	0	none	Bulk Plant	Lost Circulation	100005049	x	x						
FR-28LC	1	1	0	none	Acid Plant	Friction Reducer	100003718	x	x		x	x		x	
FR-38	1	1	0	none	Acid Plant	Friction Reducer	101278268	x			x				
Freon 22	2	0	0	none	Shop	Cooling Agent		x	x		x				
Gasket Remover	2	4	0	none	Shop	remover		x	x		x				
Gasstop	1	0	0	none	Bulk Plant	Cement Additive									
GBW-3	1	1	0	Lab	Warehouse	Breaker	100001577	x				x			

Halliburton Energy Services
2311 SOUTH FIRST
ARTESIA, NM 88210

Facility Inventory

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYI NG	AIR SUPPLIED	RUBBER APRON	COVERALLS
GBW-30	1	1	0	none	Warehouse	Breaker	101237068	x				x			
Gel-Sta	1	0	0	none	Acid Plant	Stabilizer	100012769	x							
Gilsonite	0	1	1	none	Bulk Plant	Circulation	100003700	x				x			
GL-5 80w90	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
GL-5 85W140	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
G-Sperse	2	1	0	none	Acid Plant	Dispersant	101201452	x	x		x				
HAI-81M	2	3	0	none	Acid Plant	Corrision Inhibitor	100012278	x	x		x	x	x	x	x
HAI-85M	4	3	0	none	Acid Plant	Corrision Inhibitor	100003788	x	x	x	x	x	x	x	x
HAI-GE	4	3	0	none	Acid Plant	Corrision Inhibitor	101201449	x	x	x	x	x	x	x	x
HAI-OS	2	3	0	none	Acid Plant	Corrision Inhibitor	100064251	x	x	x	x		x		x
Halad-322	0	0	0	none	Bulk Plant	Fluid Loss	100003646	x				x			
Halad-344	3	1	0	none	Bulk Plant	Fluid Loss	100003670	x				x			
Halad-413	1	1	0	none	Bulk Plant	Fluid Loss	100003738	x				x			
Halad-447	1	0	0	none	Bulk Plant	Fluid Loss	100003799	x				x			
Halad-9	0	0	0	none	Bulk Plant	Fluid Loss	100001617	x				x			
Hand Cleaner	0	0	0	none	Shop	hand cleaner									
HC-2	2	1	0	none	Acid Plant	Foamer/Surfact	100012218	x	x		x	x		x	
Heavy Duty Glass Cleaner	2	4	0	none	Shop	Glass Cleaner		x	x		x				
HII-124B	2	0	1	none	Acid Plant	Intensifier	100012752								
HII-124C	1	0	0	none	Acid Plant	Intensifier	100012245	x	x		x	x			
HII-500M	2	0	0	none	Acid Plant	Intensifier									
HMP DE-LINKER	3	1	0	none	Acid Plant	Delinker									
HMP Link	1	0	0	none	Acid Plant	Initiator	101279442	x	x		x	x		x	
Howco Suds	2	3	0	none	Acid Plant	Foaming Agent	100001621	x	x		x	x		x	
HR-25	1	0	0	none	Acid Plant	Additive	100003756	x							
HR-5	1	0	0	none	Bulk Plant	Cmt Retarder	100005050	x				x			
HR-6	1	0	0	none	Bulk Plant	cement retarder									
HR-7	0	1	0	none	Bulk Plant	Cmt Retarder	100005055	x				x			
Hydrochloric Acid,22	3	0	1	corrosive	Acid Plant	Solvent	100001614	x	x	x	x	x			x
Hyflo IV M Surfactant	2	3	0	none	Acid Plant	Oil Surfacant	100003872	x	x		x	x	x	x	
HYG-3	1	1	0	none	Warehouse	Acid Buffer	100001583	x	x		x	x		x	
Injectrol A	1	0	0	none	Acid Plant	Resin	100001623	x	x		x				x
Isopropyl Alcohol	1	3	0	none	Acid Plant	solvent	100001610	x	x		x	x		x	
K33	1	0	0	none	Warehouse	Oxy. Scavenger	100012753	x			x	x			
K-34	0	0	0	none	Warehouse	Oil Breaker	100001574	x	x			x			
K-35	2	0	0	none	Warehouse	Buffer	100001575	x				x			
K-38	1	0	0	none	Warehouse	PH Buffer	100003629	x	x			x			
K-39	1	1	2	none	Acid Plant	Additive									
Kar RTV Silicone	2	0	0	none	Shop	Silicone		x	x		x				
KCL Potassium Chloride	1	0	0	none	Warehouse	Clay Control	100001585	x							

Halliburton Energy Services — Facility Inventory
2311 SOUTH FIRST
ARTESIA, NM 88210

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	AIR SUPPLIED	RUBBER APRON	COVERALLS
LAP-1	0	2	0	none	Bulk Plant	Cmt Fluid Loss	100012766	x	x						
Latex 2000 Cement Addt	1	0	0	none	Acid Plant	Cmt Additive	100012261	x	x		x	x		x	
LGC-IV	2	2	1	none	Acid Plant	Liquid Gel Contr.	100012228	x	x		x	x	x		
LGC-V	1	2	0	none	Acid Plant	Liquid Gel Contr.	100003721	x	x		x	x	x		
LGC-VI	1	2	0	none	Acid Plant	Liquid Gel Contr.	100003732	x	x		x	x	x		
Lime-Hydrated	0	0	0	none	Warehouse	Component	100005052	x	x		x		x		
Losurf-259	3	3	0	Flamamble	Acid Plant	Surfactant									
LoSurf-300	1	4	0	none	Acid Plant	Non-emulsifier	100003655	x	x		x		x		
MA-100D	0	0	0	none	Warehouse	Gelling Agent									
MA-17	2	0	0	none	Acid Plant	Cross Linker	100009936	x	x		x	x		x	
Methanol	1	3	0	Lab	Acid Plant	Solvent	100001611	x	x	x			x	x	
MF-1	0	0	0	none	Warehouse	Thinner	100001622	x							
Micro Fly Ash	1	0	0	none	Bulk Plant	Cement Additive	100003824	x							
Micro Matrix	1	0	0	none	Bulk Plant	Cement	100003770	x						x	
Microbond Additive	1	0	0	none	Bulk Plant	Expansive Additive	100003669	x	x						
MO-67	1	0	0	none	Acid Plant	My-T-Oil Gel	100003693	x	x		x		x		
MOC-A	2	3	0	none	Acid Plant	Emulsifier									
Morflo III	2	3	0	none	Acid Plant	Surfactant	100003881	x	x		x			x	
M-P Lithium EP-2	1	1	0	none	Shop	Grease		x	x		x	x	x		
MSA-III	3	3	0	none	Acid Plant	Corrosion Inh.	101232906	x	x		x		x	x	
MUSOL-A	2	2	0	Lab	Acid Plant	Mutual Solvent	100001636	x	x	x	x				
N-Zyme 3	0	0	0	none	Acid Plant	Breaker	101214308	x			x				
Oil Absorbent	0	0	0	none	Shop	Absorbent									
One Stroke	3	1	0	none	Shop	Gasket remover		x	x		x				
Optiflo HT	1	1	0	none	Acid Plant	Delayed Breaker	100012272	x	x		x	x			x
Optiflo-II	1	1	1	Oxidizer	Warehouse	Delayed Breaker	100003789	x	x			x		x	
Optiflo-III	1	0	1	Oxidizer	Warehouse	Delayed Breaker	100003801	x	x			x		x	
Optiflo-LT	1	0	0	none	Warehouse	Delayed Breaker	100012269	x	x			x			x
Oxide,Red	1	0	0	none	Bulk Plant	Dye	100008158	x				x			
OXOL II Oxidant	2	0	1	none	Warehouse	Pre-flush	100003712	x			x	x		x	
Parachek 160-Parafin	2	2	0	none	Acid Plant	Paraffin Inhibitor	100003634	x	x	x	x				
Parasperse	3	3	0	none	Acid Plant	Paraffin Dispersant	100012782	x	x		x		x		
PEN 88M	2	2	0	none	Acid Plant	High Temp Surfact	100003819	x	x		x				
Perm A	3	1	1	none	Acid Plant	Additive	100012270	x	x	x	x		x		x
Perm C	1	0	0	none	Acid Plant	Additive	100012271	x			x	x			
Perm Z	2	1	2	none	Acid Plant	Conformance	100012292	x	x	x	x		x		x
Petroleum Ether					Shop										
Pozmix A Flyash	1	0	0	none	Bulk Plant	Cmt Additive	100003690	x				x			
Protex-All	2	2	0	none	Acid Plant	Scale Inhibitor	100012251	x	x		x	x		x	
Safety-Kleen Pre-solvent	1	1	0	none	Shop	Solvent		x	x		x	x	x		

Halliburton Energy Services — Facility Inventory
2311 SOUTH FIRST
ARTESIA, NM 88210

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	AIR SUPPLIED	RUBBER APRON	COVERALLS
Salt stock	0	0	0	none	Warehouse	Additive	101210807	x	x			x			
Salt,Morton-Purex-Fine	0	0	0	none	Warehouse	Additive	100003652	x	x		x				
Salt-Cement grade	0	0	0	none	Bulk Plant	Cement Additive	100003695	x				x			
Sam-4 Spacer	1	2	0	none	Bulk Plant	Spacer									
Sand-12/20 Brady	1	0	0	none	Bulk Plant	Proppant	100002160	x				x			
Sand-12/20 Resin	1	0	0	none	Warehouse	Proppant	100012282	x	x		x	x	x		x
Sand-16/30 Ottawa	0	0	0	none	Bulk Plant	Proppant	100003698	x				x			
Sand-20/40 Brady	0	0	0	none	Bulk Plant	Proppant	100003628	x				x			
Sand-20/40 Ottawa	0	0	0	none	Bulk Plant	Proppant	100002159	x				x			
Sand-8/16 Brady	0	0	0	none	Bulk Plant	Proppant	100012203	x				x			
Sand-Okl.#1 100 mesh	0	0	0	none	Bulk Plant	Proppant	100003676	x				x			
Sand-Okla#1 SSA-2	0	0	0	none	Bulk Plant	Proppant	100002158	x				x			
Sandwedge NT	2	2	0	none	Acid Plant	Flow Enhancer	101208549	x	x		x	x		x	
SCA-130	3	3	0	none	Acid Plant	Inhibitor	100001629	x	x	x	x				
ScaleChek-LP-55	1	1	0	none	Acid Plant	Scale Inhibitor	100001593	x	x		x	x		x	
SCP-2	1	0	0	none	Acid Plant	Scale Inhibitor	100012775	x							
SCR-100	0	1	0	none	Bulk Plant	Retarder	100003749	x							
Sem-7	1	2	0	none	Acid Plant	Emulsifier	100001626	x	x		x	x		x	
SGA-1	3	2	0	none	Acid Plant	Acid Gel Agent	100012774	x	x		x	x			x
SGA-HT	1	1	0	none	Acid Plant	Acid Gel Agent	101204358	x	x		x	x		x	
SGA-II	1	1	0	none	Acid Plant	Acid Gel Agent	100003794	x	x		x	x			x
SGA-III	1	1	0	none	Acid Plant	Acid Gel Agent	100012277	x	x		x	x			x
Silicalite	0	0	0	none	Bulk Plant	Additive	100003722	x				x			
Silicalite, 50-50 Pozmix	0	0	0	none	Bulk Plant	Additive	100012222								
SP Breaker-55#	1	0	1	Oxidizer	Warehouse	Breaker	100012754	x			x	x		x	
SSO-21M	1	3	0	none	Acid Plant	Aqueous Foamer	100003843	x	x		x	x	x	x	
Starting Fluid	1	4	0	none	Shop	Starting Fluid					x				
Summit Syngear	1	1	0	none	Shop	syn. Hydrocarbon		x	x		x	x			
Super CBL	0	1	1	none	Bulk Plant	Cement Additive	100003668	x				x			
Superflo III	2	0	0	none	Acid Plant	Surfacant	100003813	x	x		x	x		x	
SuperSet O	2	2	1	none	Acid Plant	Surfacant	100012236	x	x		x	x		x	
SuperSet W	2	3	0	none	Acid Plant	Activator	100012235	x	x		x		x	x	
TarChek Asphaltene	1	2	0	none	Acid Plant	Paraffin Inhibitor	100012267	x	x		x	x		x	
TBA-110	0	0	0	none	Warehouse	Bridging Agent									
Thix-Set Component A	0	0	0	none	Acid Plant	Thixotropic	100001592	x	x		x	x			
Thix-Set Component B	0	0	0	none	Bulk Plant	Thixotropic	100064065	x	x		x	x			
TLC-80	2	1	0	none	Warehouse	Diverter									
Universal 15w 40	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
Universal 30w	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
Vicon NF Breaker	2	1	1	none	Acid Plant	Breaker	100003852	x	x		x	x			x

Halliburton Energy Services
2311 SOUTH FIRST
ARTESIA, NM 88210

Facility Inventory

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	AIR SUPPLIED	RUBBER APRON	COVERALLS
W-36	1	0	0	none	Acid Plant	Emulsifier									
Wac-9	1	0	0	none	Warehouse	Fluid Loss	100001625	x	x				x		
WD-40					Shop										
WG-11	1	1	0	none	Warehouse	Water Gel Agent	100001590	x				x			
WG-17	0	0	0	none	Bulk Plant	Water Gel Agent	100003623	x	x						
WG-18	1	1	0	none	Warehouse	Water Gel Agent	100003635	x				x			
WG-20	1	1	0	none	Warehouse	Water Gel Agent	100012201	x							
WG-22	1	0	0	none	Warehouse	Water Gel Agent	100012211	x	x						
WLC-7	1	0	0	none	Warehouse	Fluid Loss	100012290	x							
WS-44	3	2	0	none	Acid Plant	Emulsifier	100012194	x	x		x	x			x
XL-1	2	0	0	none	Acid Plant	Acid Gel X-Linker	100012259	x	x		x				
Xylene Bottoms	3	3	0	none	Acid Plant	Solvent	100003671	x	x		x	x		x	
ZoneSealant-2000	2	3	1	none	Acid Plant	Foam Stabilizer	101207218	x	x		x	x		x	

DISCHARGE PLAN APPLICATION

Halliburton Energy Services
2311 SOUTH FIRST
ARTESIA, NM 88210

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	Solid	Sack	10000 lbs	Warehouse
	Salt-dry	Solid	Sack/Silo	70,000 lbs.	Warehouse/bulk plant
3. Acids/Caustic (provide names & MSDS sheets)	Hydrochloric Acid	(L)	Tanks	26,000 gal	Acid Plant
	Acetic Acid	(L)	Tank	9,000 gal	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. Chemical Whse
7. Biocides (Provide name & MSDS sheets)	BE-640	Solid	1 lb packets	96 lbs.	Chemical Whse Chemical Whse
8. Others - (include other liquids & solids, e.g. cement, sand, etc.)	Cement Types	(S)	Tank	650,000 lbs.	Bulk Plant
	Hydraulic and Engine Oils	(L)	Tank	1500 gal	Shop & Washrack
	LGC-Liquid Gel Concentrate	(L)	Tank	8000 gal.	Acid Plant
	Salt	(S)	Tank	1,000 sacks	Bulk Plant
	Gilsonite	(S)	Tank	1800 sacks	Bulk Plant
	Benonite	(S)	Tank	1800 sacks	Bulk Plant

Halliburton Energy Services — **Facility Inventory**

2311 SOUTH FIRST
ARTESIA, NM 88210

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYI NG RES	SUPPLIED AIR	RUBBER APRON	COVERALLS
19N	3	3	0	none	Acid Plant	NE Agent	100012276	x	x	x	x	x			x
ABF	3	0	0	none	Warehouse	Flouride									
ACO-1 Foaming Agent	3	3	0	none	Acid Plant	Foam Agent	100012200	x	x		x				
Activator W	2	3	1	none	Acid Plant	Accelerator	100064035	x	x		x				
Adomite Regain	1	0	0	none	Warehouse	Fluid Loss	100003726	x	x		x				x
AF-61	2	1	0	none	Acid Plant	Emulsifier	100012771	x	x	x	x	x			x
Alchek	3	0	0	none	Warehouse	Buffer	101252393	x	x	x	x	x		x	
Ammonium Bicarbonate	2	0	1	none	Warehouse	Additive	13396	x			x	x		x	
Ammonium Chloride	1	0	0	none	Warehouse	Clayfix Mat.	100001576	x	x		x	x			
ANHIB II	2	3	0	none	Acid Plant	Corrision Inhibitor	100003821	x	x		x	x	x	x	
Antifreeze	1	1	0	none	Shop	Coolant		x	x						
AQF-2	1	2	0	none	Acid Plant	Foamer	100003743	x	x		x	x		x	
Arcosolv DPM	0	3	0	none	Acid Plant	Solvent	101212732	x	x	x	x	x		x	
AS-10	2	1	0	none	Acid Plant	Anti-Sludge Agent	101201450	x	x	x	x	x		x	
AS-5	3	3	0	none	Acid Plant	Anti-Sludge Agent	101203443	x	x	x	x	x	x	x	
Attapulgite	0	0	0	none	Bulk Plant	Suspending Agent	100012204	x				x			
BA-10	2	1	1	none	Acid Plant	Buffer	100064150	x	x		x	x		x	
BA-2	2	0	0	none	Warehouse	PH Buffer	100003625	x	x	x	x	x		x	
BA-20	2	1	1	none	Acid Plant	Buffer	100003640	x	x	x	x	x	x	x	
BA-40L	2	0	1	none	Acid Plant	Buffer	100003797	x	x		x	x		x	
Barite	1	0	0	none	Bulk Plant	Weighting Material	100003680	x				x			
BC-140	2	0	0	none	Acid Plant	Cross Linker	100012288	x	x		x	x		x	
BC-200	2	2	0	none	Acid Plant	Cross Linker	100012293	x	x		x	x		x	
BE-3S Solid Biocide	3	1	0	none	Warehouse	Bacteriacide	100003836	x			x	x		x	
BE-6	3	1	0	none	Warehouse	Bacteriacide	100003800	x				x		x	
Bendix Air Guard	1	3	3	none	Shop	Methyl Alcohol		x	x		x			x	
Bentonite	1	0	0	none	Bulk Plant	Cement Gel	100003682	x							
Brake Clean	3	1	1	none	Shop	Solvent		x	x		x				
Brake Fluid	1	1	0	none	Shop	Brake Fluid		x	x		x	x			
Calcium Carbonate	0	0	0	none	Bulk Plant	Additive	100012280	x			x	x		x	
Calcium Chloride	1	0	0	none	Bulk Plant	Cmt Accelerator	100005053	x	x			x			
Calseal	0	0	0	none	Bulk Plant	Cmt Additive	100005051	x	x			x			
CAT-3 Activator	2	1	1	none	Acid Plant	Activator	100003805	x	x		x	x			
CAT-4 Activator	2	1	0	none	Acid Plant	Activator	100007868	x	x		x	x		x	
CCA-H2S	1	1	0	none	Acid Plant	H2S Scavenger	101203946	x			x	x			
Cement Class C	1	0	0	ALK	Bulk Plant	Cement	100012205	x				x			
Cement-Standard Fine	1	0	0	ALK	Bulk Plant	Cement	100012229	x				x			
CFR-3	1	0	0	none	Bulk Plant	Cmt Fric Reducer	100003653	x				x			
CL-22	2	3	1	none	Acid Plant	Cross Linker	100012291	x	x		x		x	x	
CL-22M	2	2	0	none	Acid Plant	Cross Linker	101208072	x	x		x	x		x	

Halliburton Energy Services
2311 SOUTH FIRST
ARTESIA, NM 88210

Facility Inventory

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	AIR SUPPLIED	RUBBER APRON	COVERALLS
CL-23	1	1	1	none	Acid Plant	Cross Linker	100003833	x	x		x	x		x	
CL-28M X-Linker	1	0	0	none	Acid Plant	Cross Linker	100003880	x	x		x	x		x	
CL-31 X-Linker	3	0	1	corrosive	Acid Plant	Cross Linker	100007866	x	x		x	x		x	
Class H/Premium	1	0	0	none	Bulk Plant	Cement	100003687	x				x			
CLA-STA XP	1	0	0	none	Acid Plant	Clay Stabilizer	100003733	x	x		x	x		x	
ClayFix II	3	1	1	none	Acid Plant	Clay Stabilizer	100003729	x	x	x	x	x		x	
D-Air 3000	2	1	0	none	Bulk Plant	Defoamer	101007446	x			x				
D-Air 3000L	2	1	0	none	Bulk Plant	Defoamer	101007444	x			x				
D-Air-1	0	0	0	none	Acid Plant	Antifoam Agent									
Dexron III Mercon	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
Diacel LWL	1	1	0	none	Warehouse	Fluid Loss									
Diesel	1	2	0	none	Fuel Tanks	Fuel		x			x				
DOC-3	3	3	0	Flamamble	Warehouse	Surfactant									
Dual Spacer	1	0	0	none	Bulk Plant	Spacer	100003654	x	x		x	x			
Dual Spacer B	1	0	0	none	Bulk Plant	Spacer	100003665	x	x		x	x			
Dual Spacer LXP	1	0	0	none	Bulk Plant	Spacer	100003878	x	x		x	x			
Econolite-Additive	0	0	0	none	Bulk Plant	Cmt Extender	100001580	x	x		x	x		x	
ER-1 Epoxy Resin	2	2	0	none	Acid Plant	Resin	100009770	x	x		x	x		x	
ER-25	2	2	0	none	Acid Plant	Resin	101214215	x	x		x	x		x	
F-10	1	0	0	none	Shop	Alkaline Detergent		x			x	x			
Fci 5000 15w40	1	1	0	none	Shop	Lubricant		x	x		x				
Fcimulti-duty grease	1	1	0	none	Shop	Grease		x	x		x				
FDP-S570-98	2	2	0	none	Acid Plant	Conductivity	101214110	x	x		x	x		x	
FDP-W658-02	0	0	0	none	Acid Plant	Conformance									
FDP-W659-02	1	1	0	none	Warehouse	Conformance									
FE-1A	2	2	1	w. reac.	Acid Plant	Iron Control	100001601	x	x	x	x	x			x
FE-2	1	1	0	none	Acid Plant	Iron Control	100001615	x	x	x	x				
FE-2A	1	1	1	none	Acid Plant	Additive	13727	x	x		x			x	
FE-5A	3	0	0	none	Acid Plant	Reducing Agent	100003811	x	x		x	x		x	x
FE-8	3	1	1	none	Acid Plant	Reducing Agent	101246191	x	x	x	x	x			x
FE-8M	3	1	1	none	Acid Plant	Reducing Agent	101246191	x	x	x	x	x			x
FerChek	1	0	0	none	Acid Plant	Iron Control	100012191	x			x	x			
FerChek A Red Label	0	0	0	none	Acid Plant	Iron Control	100012226	x	x		x	x		x	
Flocele	1	0	0	none	Bulk Plant	Lost Circulation	100005049	x	x						
FR-28LC	1	1	0	none	Acid Plant	Friction Reducer	100003718	x	x		x	x		x	
FR-38	1	1	0	none	Acid Plant	Friction Reducer	101278268	x			x				
Freon 22	2	0	0	none	Shop	Cooling Agent		x	x		x				
Gasket Remover	2	4	0	none	Shop	remover		x	x		x				
Gasstop	1	0	0	none	Bulk Plant	Cement Additive									
GBW-3	1	1	0	Lab	Warehouse	Breaker	100001577	x				x			

Halliburton Energy Services — Facility Inventory
2311 SOUTH FIRST
ARTESIA, NM 88210

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	AIR SUPPLIED	RUBBER APRON	COVERALLS	
GBW-30	1	1	0	none	Warehouse	Breaker	101237068	x				x				
Gel-Sta	1	0	0	none	Acid Plant	Stabilizer	100012769	x								
Gilsonite	0	1	1	none	Bulk Plant	Circulation	100003700	x				x				
GL-5 80w90	1	1	0	none	Shop	Lubricant		x	x		x		x	x		
GL-5 85W140	1	1	0	none	Shop	Lubricant		x	x		x		x	x		
G-Sperse	2	1	0	none	Acid Plant	Dispersant	101201452	x	x		x					
HAI-81M	2	3	0	none	Acid Plant	Corrision Inhibitor	100012278	x	x		x	x	x	x	x	
HAI-85M	4	3	0	none	Acid Plant	Corrision Inhibitor	100003788	x	x	x	x	x	x	x	x	
HAI-GE	4	3	0	none	Acid Plant	Corrision Inhibitor	101201449	x	x	x	x	x	x	x	x	
HAI-OS	2	3	0	none	Acid Plant	Corrision Inhibitor	100064251	x	x	x	x		x		x	
Halad-322	0	0	0	none	Bulk Plant	Fluid Loss	100003646	x				x				
Halad-344	3	1	0	none	Bulk Plant	Fluid Loss	100003670	x				x				
Halad-413	1	1	0	none	Bulk Plant	Fluid Loss	100003738	x				x				
Halad-447	1	0	0	none	Bulk Plant	Fluid Loss	100003799	x				x				
Halad-9	0	0	0	none	Bulk Plant	Fluid Loss	100001617	x				x				
Hand Cleaner	0	0	0	none	Shop	hand cleaner										
HC-2	2	1	0	none	Acid Plant	Foamer/Surfact	100012218	x	x		x	x		x		
Heavy Duty Glass Cleaner	2	4	0	none	Shop	Glass Cleaner		x	x		x					
HII-124B	2	0	1	none	Acid Plant	Intensifier	100012752									
HII-124C	1	0	0	none	Acid Plant	Intensifier	100012245	x	x		x	x				
HII-500M	2	0	0	none	Acid Plant	Intensifier										
HMP DE-LINKER	3	1	0	none	Acid Plant	Delinker										
HMP Link	1	0	0	none	Acid Plant	Initiator	101279442	x	x		x	x		x		
Howco Suds	2	3	0	none	Acid Plant	Foaming Agent	100001621	x	x		x	x		x		
HR-25	1	0	0	none	Acid Plant	Additive	100003756	x								
HR-5	1	0	0	none	Bulk Plant	Cmt Retarder	100005050	x				x				
HR-6	1	0	0	none	Bulk Plant	cement retarder										
HR-7	0	1	0	none	Bulk Plant	Cmt Retarder	100005055	x				x				
Hydrochloric Acid,22	3	0	1	corrosive	Acid Plant	Solvent	100001614	x	x	x	x	x			x	
Hyflo IV M Surfactant	2	3	0	none	Acid Plant	Oil Surfacant	100003872	x	x		x	x	x	x		
HYG-3	1	1	0	none	Warehouse	Acid Buffer	100001583	x	x		x	x		x		
Injectrol A	1	0	0	none	Acid Plant	Resin	100001623	x	x		x				x	
Isopropyl Alcohol	1	3	0	none	Acid Plant	solvent	100001610	x	x		x	x		x		
K33	1	0	0	none	Warehouse	Oxy. Scavenger	100012753	x			x	x				
K-34	0	0	0	none	Warehouse	Oil Breaker	100001574	x	x			x				
K-35	2	0	0	none	Warehouse	Buffer	100001575	x				x				
K-38	1	0	0	none	Warehouse	PH Buffer	100003629	x	x			x				
K-39	1	1	2	none	Acid Plant	Additive										
Kar RTV Silicone	2	0	0	none	Shop	Silicone		x	x		x					
KCL Potassium Chloride	1	0	0	none	Warehouse	Clay Control	100001585	x								

Halliburton Energy Services
2311 SOUTH FIRST
ARTESIA, NM 88210

Facility Inventory

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	SUPPLIED	RUBBER APRON	COVERALLS
LAP-1	0	2	0	none	Bulk Plant	Cmt Fluid Loss	100012766	x	x						
Latex 2000 Cement Addt	1	0	0	none	Acid Plant	Cmt Additive	100012261	x	x		x	x		x	
LGC-IV	2	2	1	none	Acid Plant	Liquid Gel Contr.	100012228	x	x		x	x	x		
LGC-V	1	2	0	none	Acid Plant	Liquid Gel Contr.	100003721	x	x		x	x	x		
LGC-VI	1	2	0	none	Acid Plant	Liquid Gel Contr.	100003732	x	x		x	x	x		
Lime-Hydrated	0	0	0	none	Warehouse	Component	100005052	x	x		x		x		
Losurf-259	3	3	0	Flamamble	Acid Plant	Surfactant									
LoSurf-300	1	4	0	none	Acid Plant	Non-emulsifier	100003655	x	x		x		x		
MA-100D	0	0	0	none	Warehouse	Gelling Agent									
MA-17	2	0	0	none	Acid Plant	Cross Linker	100009936	x	x		x	x		x	
Methanol	1	3	0	Lab	Acid Plant	Solvent	100001611	x	x	x			x	x	
MF-1	0	0	0	none	Warehouse	Thinner	100001622	x							
Micro Fly Ash	1	0	0	none	Bulk Plant	Cement Additive	100003824	x							
Micro Matrix	1	0	0	none	Bulk Plant	Cement	100003770	x						x	
Microbond Additive	1	0	0	none	Bulk Plant	Expansive Additive	100003669	x	x						
MO-67	1	0	0	none	Acid Plant	My-T-Oil Gel	100003693	x	x		x		x		
MOC-A	2	3	0	none	Acid Plant	Emulsifier									
Morflo III	2	3	0	none	Acid Plant	Surfactant	100003881	x	x		x			x	
M-P Lithium EP-2	1	1	0	none	Shop	Grease		x	x		x	x	x		
MSA-III	3	3	0	none	Acid Plant	Corrosion Inh.	101232906	x	x		x		x	x	
MUSOL-A	2	2	0	Lab	Acid Plant	Mutual Solvent	100001636	x	x	x	x				
N-Zyme 3	0	0	0	none	Acid Plant	Breaker	101214308	x			x				
Oil Absorbent	0	0	0	none	Shop	Absorbent									
One Stroke	3	1	0	none	Shop	Gasket remover		x	x		x				
Optiflo HT	1	1	0	none	Acid Plant	Delayed Breaker	100012272	x	x		x	x			x
Optiflo-II	1	1	1	Oxidizer	Warehouse	Delayed Breaker	100003789	x	x			x		x	
Optiflo-III	1	0	1	Oxidizer	Warehouse	Delayed Breaker	100003801	x	x			x		x	
Optiflo-LT	1	0	0	none	Warehouse	Delayed Breaker	100012269	x	x			x			x
Oxide,Red	1	0	0	none	Bulk Plant	Dye	100008158	x				x			
OXOL II Oxidant	2	0	1	none	Warehouse	Pre-flush	100003712	x			x	x		x	
Parachek 160-Parafin	2	2	0	none	Acid Plant	Paraffin Inhibitor	100003634	x	x	x	x				
Parasperse	3	3	0	none	Acid Plant	Paraffin Dispersant	100012782	x	x		x		x		
PEN 88M	2	2	0	none	Acid Plant	High Temp Surfact	100003819	x	x		x				
Perm A	3	1	1	none	Acid Plant	Additive	100012270	x	x	x	x		x		x
Perm C	1	0	0	none	Acid Plant	Additive	100012271	x			x	x			
Perm Z	2	1	2	none	Acid Plant	Conformance	100012292	x	x	x	x		x		x
Petroleum Ether					Shop										
Pozmix A Flyash	1	0	0	none	Bulk Plant	Cmt Additive	100003690	x				x			
Protex-All	2	2	0	none	Acid Plant	Scale Inhibitor	100012251	x	x		x	x		x	
Safety-Kleen Pre-solvent	1	1	0	none	Shop	Solvent		x	x		x	x	x		

Halliburton Energy Services — Facility Inventory
2311 SOUTH FIRST
ARTESIA, NM 88210

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	AIR SUPPLIED	RUBBER APRON	COVERALLS
Salt stock	0	0	0	none	Warehouse	Additive	101210807	x	x			x			
Salt,Morton-Purex-Fine	0	0	0	none	Warehouse	Additive	100003652	x	x		x				
Salt-Cement grade	0	0	0	none	Bulk Plant	Cement Additive	100003695	x				x			
Sam-4 Spacer	1	2	0	none	Bulk Plant	Spacer									
Sand-12/20 Brady	1	0	0	none	Bulk Plant	Proppant	100002160	x				x			
Sand-12/20 Resin	1	0	0	none	Warehouse	Proppant	100012282	x	x		x	x	x		x
Sand-16/30 Ottawa	0	0	0	none	Bulk Plant	Proppant	100003698	x				x			
Sand-20/40 Brady	0	0	0	none	Bulk Plant	Proppant	100003628	x				x			
Sand-20/40 Ottawa	0	0	0	none	Bulk Plant	Proppant	100002159	x				x			
Sand-8/16 Brady	0	0	0	none	Bulk Plant	Proppant	100012203	x				x			
Sand-Okl.#1 100 mesh	0	0	0	none	Bulk Plant	Proppant	100003676	x				x			
Sand-Okla#1 SSA-2	0	0	0	none	Bulk Plant	Proppant	100002158	x				x			
Sandwedge NT	2	2	0	none	Acid Plant	Flow Enhancer	101208549	x	x		x	x		x	
SCA-130	3	3	0	none	Acid Plant	Inhibitor	100001629	x	x	x	x				
ScaleChek-LP-55	1	1	0	none	Acid Plant	Scale Inhibitor	100001593	x	x		x	x		x	
SCP-2	1	0	0	none	Acid Plant	Scale Inhibitor	100012775	x							
SCR-100	0	1	0	none	Bulk Plant	Retarder	100003749	x							
Sem-7	1	2	0	none	Acid Plant	Emulsifier	100001626	x	x		x	x		x	
SGA-1	3	2	0	none	Acid Plant	Acid Gel Agent	100012774	x	x		x	x			x
SGA-HT	1	1	0	none	Acid Plant	Acid Gel Agent	101204358	x	x		x	x		x	
SGA-II	1	1	0	none	Acid Plant	Acid Gel Agent	100003794	x	x		x	x			x
SGA-III	1	1	0	none	Acid Plant	Acid Gel Agent	100012277	x	x		x	x			x
Silicalite	0	0	0	none	Bulk Plant	Additive	100003722	x				x			
Silicalite, 50-50 Pozmix	0	0	0	none	Bulk Plant	Additive	100012222								
SP Breaker-55#	1	0	1	Oxidizer	Warehouse	Breaker	100012754	x			x	x		x	
SSO-21M	1	3	0	none	Acid Plant	Aqueous Foamer	100003843	x	x		x	x	x	x	
Starting Fluid	1	4	0	none	Shop	Starting Fluid					x				
Summit Syngear	1	1	0	none	Shop	syn. Hydrocarbon		x	x		x	x			
Super CBL	0	1	1	none	Bulk Plant	Cement Additive	100003668	x				x			
Superflo III	2	0	0	none	Acid Plant	Surfacant	100003813	x	x		x	x		x	
SuperSet O	2	2	1	none	Acid Plant	Surfacant	100012236	x	x		x	x		x	
SuperSet W	2	3	0	none	Acid Plant	Activator	100012235	x	x		x		x	x	
TarChek Asphaltene	1	2	0	none	Acid Plant	Paraffin Inhibitor	100012267	x	x		x	x		x	
TBA-110	0	0	0	none	Warehouse	Bridging Agent									
Thix-Set Component A	0	0	0	none	Acid Plant	Thixotropic	100001592	x	x		x	x			
Thix-Set Component B	0	0	0	none	Bulk Plant	Thixotropic	100064065	x	x		x	x			
TLC-80	2	1	0	none	Warehouse	Diverter									
Universal 15w 40	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
Universal 30w	1	1	0	none	Shop	Lubricant		x	x		x		x	x	
Vicon NF Breaker	2	1	1	none	Acid Plant	Breaker	100003852	x	x		x	x			x

Halliburton Energy Services
2311 SOUTH FIRST
ARTESIA, NM 88210

Facility Inventory

Chemical Name	Health	ammabil	Reactive	Special	Storage Area	PURPOSE	SAP NUMBER	GOGGLES	FACE SHIELD	RUBBER BOOTS	RUBBER GLOVES	AIR PURIFYING	Air SUPPLIED	RUBBER APRON	COVERALLS
W-36	1	0	0	none	Acid Plant	Emulsifier									
Wac-9	1	0	0	none	Warehouse	Fluid Loss	100001625	x	x				x		
WD-40					Shop										
WG-11	1	1	0	none	Warehouse	Water Gel Agent	100001590	x				x			
WG-17	0	0	0	none	Bulk Plant	Water Gel Agent	100003623	x	x						
WG-18	1	1	0	none	Warehouse	Water Gel Agent	100003635	x				x			
WG-20	1	1	0	none	Warehouse	Water Gel Agent	100012201	x							
WG-22	1	0	0	none	Warehouse	Water Gel Agent	100012211	x	x						
WLC-7	1	0	0	none	Warehouse	Fluid Loss	100012290	x							
WS-44	3	2	0	none	Acid Plant	Emulsifier	100012194	x	x		x	x			x
XL-1	2	0	0	none	Acid Plant	Acid Gel X-Linker	100012259	x	x		x				
Xylene Bottoms	3	3	0	none	Acid Plant	Solvent	100003671	x	x		x	x		x	
ZoneSealant-2000	2	3	1	none	Acid Plant	Foam Stabilizer	101207218	x	x		x	x		x	

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	Grease and oil from truck parts	1000 gal	Soap
Steam Cleaning of tool parts		1000 gal.	Soap
4. Solvent/Degreaser Use	F-24 Degreaser-American Sales	50 gal	Degreaser along with soap rinsate from tool shop
5. Spent Acid, Caustics, or Completion Fluids (Describe)	Acid Residue, Brought back from jobs. Neutralized when returned to the facility	4000 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	110 gal/per month	
9. Solids and Sludge from tanks (describe types of materials, e.g. crude oil tank bottoms, sand, ect.)	Washrack Grit	1500 gal/month	
10. Painting Waste	Not Applicable		
11. Sewage (Indicate if other wastes mixed with sewage;	Truck Washing effuent is mixed the sewage.	75,000 gal	
if no commingling, domestic sewage under jurisdiction of the NMEID)	Neutralized Acid Residue is mixed with sewage.	4000 gal	Neutralized hcl acid to ph 6 - 9
12. Other waste Liquids	Not Applicable		
13. Other waste Solids (cement, construction	Waste Cement	500 sks/month	Cement
materials, used drums)	Empty Drums	20 drums/per	Chemical Residue only
Pallets, boxes, office trash	Empty Chemical Sacks	250 sk/month	Chemical Residue only
	Pallets	20 ea/month	
	Cardboard boxes	50 boxes/month	
	Office Trash		

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				City Sewer
2. Truck, tank washing	Truck	Sump				City Sewer
3. Steam cleaning of parts, equip., tank	Drum	Sump				City Sewer
Steam cleaning tools	Drum	Sump				Solids/CRI Liquids/City Sewer
4. Solvent/Degreaser Used when cleaning tools	Drum	Sump				City Sewer
5. Neutralized Acids, Caustics, Residues, Completion Fluids	Truck	Sump	Lined			City Sewer
6. Waste Shop oil	Tank					U.S. Filters
7. Waste Lubrication and Motor Oils	Tank					U.S. Filters
8. Oil Filters	Drum					U.S. Filters
9. Solids and Sludges from tanks		Sump				CRI Control Recovery
10. Painting Wastes	N/A					
11. Sewage						City of Artesia
12. Other Waste Liquids Waste liquid chemicals						City Sewer HES-Duncan, OK
13. Other Waste Solids						City landfill

ATTACHMENT TO THE DISCHARGE PLAN GW-115 RENEWAL
HALLIBURTON ENERGY SERVICES
ARTESIA SERVICE FACILITY
DISCHARGE PLAN APPROVAL CONDITIONS
(May 20, 1998)

1. Payment of Discharge Plan Renewal Fees: The $50.00 filing fee has been received. A renewal flat fee for service company facilities is equal to $690.00. The required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approved plan.

2. Halliburton Commitments: Halliburton Energy Services will abide by all commitments in the original approved discharge plan, dated January 13, 1994, and the renewal discharge plan application, dated 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 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 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 should 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 at present and then every 5 years thereafter, or prior to discharge plan renewal. 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: 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. All 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. Class V wells must be closed through the Santa Fe Office. Closure of Class V wells must be in accordance with a plan approved by the Division's 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. 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 weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

13. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Artesia 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

Sheyna Pierce

by Senior HSE Advisor

Title

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION OIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 20, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-962

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

RE: Discharge Plan Renewal GW-115 Approval
Artesia Service Facility
Eddy County, New Mexico

Dear Mr. Pierce:

The ground water discharge plan renewal, GW-115, for the Artesia Service Facility located in Section 28, Township 17 South, Range 26 East, NMPM, Eddy 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 13, 1994, 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 requires "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, 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 13, 2004 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 Artesia 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 of $690.00 for oil and gas service companies. The flat fee may be paid in a single payment due on the date of the discharge plan approval or in five equal installments over the duration of the discharge plan. Installment payments will be remitted yearly, with the first payment due on the date of the discharge plan approval. The OCD has received the filing fee.

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

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,

Lori Wrotenbery

Lori Wrotenbery
Director

LW/wjf
Attachment

xc: OCD Artesia Office

PS Form **3800**, April 1995

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

Sent to Sherman Pierce
Street & Number Halliburton
Post Office, State, & ZIP Code Hobbs NM

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	5/20-1/15

Z 357 869 962

ATTACHMENT TO THE DISCHARGE PLAN GW-115 RENEWAL
HALLIBURTON ENERGY SERVICES
ARTESIA SERVICE FACILITY
DISCHARGE PLAN APPROVAL CONDITIONS
(May 20, 1998)

1. Payment of Discharge Plan Renewal Fees: The $50.00 filing fee has been received. A renewal flat fee for service company facilities is equal to $690.00. The required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approved plan.

2. Halliburton Commitments: Halliburton Energy Services will abide by all commitments in the original approved discharge plan, dated January 13, 1994, and the renewal discharge plan application, dated 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 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 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 should 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 at present and then every 5 years thereafter, or prior to discharge plan renewal. 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: 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. All 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. Class V wells must be closed through the Santa Fe Office. Closure of Class V wells must be in accordance with a plan approved by the Division's 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. 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 weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

13. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Artesia 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

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

March 24, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-943

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

RE: Minor Modification
Service Washrack Pit
Halliburton Energy Services Artesia Facility GW-115

Dear Mr. Luscombe:

The New Mexico Oil Conservation Division (OCD) has received a notification, dated March 17, 1998 requesting the backfilling of the service washrack pit, out of service since 1978, at the Halliburton Artesia facility (GW-115) located in Section 28, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico. The request is considered a minor modification to the above referenced discharge plan and public notice will not be issued. **Based upon information supplied with the proposal the requested minor modification is hereby approved.**

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.

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: OCD Artesia District Office

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/16/95,

or cash received on 3/27/95 in the amount of $ 1380.00

from HALLIBURTON ENERGY SERVICES

for ARTESIA SERVICE FACILITY (Facility Name) GW-115 (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: ROGER ANDERSON Date: 3/29/95

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility X Renewal ___

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 95

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment ___

VOID AFTER 60 DAYS

[redacted] [redacted] 62-20 311

HALLIBURTON

HALLIBURTON ENERGY SERVICES

Citibank (South Dakota), N.A.
ONE PENN'S WAY
NEW CASTLE, DE 19720

VENDOR NO.	DATE	AMOUNT
36081	02 16 95	$******1380.00

PAY TO THE ORDER OF

NMED-WATER QUALITY MANAGEMENT
P O BOX 2088
SANTA FE NM 87504-2088

[redacted]

HALLIBURTON

DUNCAN, OKLAHOMA 73536

CORP 36081

CHECK DATE: 02/16/95

[redacted] 2 051

FORM 4083

INVOICE DATE	INVOICE	GROSS AMOUNT	DISCOUNT	NET AMOUNT
02 13 95	CKR021395 DISCHARGE PLAN FEE;ARTESIA,NM SERV FACILITY	1,380.00	.00	$ 1,380.00
	VENDOR= 36081	1,380.00	.00	$ 1,380.00

THE ATTACHED CHECK IS IN FULL PAYMENT OF ACCOUNT AS SHOWN ABOVE. NO RECEIPT OTHER THAN ENDORSEMENT IS NECESSARY. IF NOT CORRECT RETURN BOTH STATEMENT AND CHECK.

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505

OIL CONSERVATION DIVISION
RECEIVED
'95 MAR 9 AM 8 52

New Mexico DRUG FREE It's a State of Mind!

January 19, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-176-012-095

JAN 1995 NORTH AMERICA HSE ENVIRONMENT

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

Re: Discharge Plan (GW-115)
Halliburton Artesia Facility
Eddy County, New Mexico

Dear Mr. Ratliffr:

A review of the file for discharge plan GW-115 for the Haliburton Artesia Service Facility located in Section 28, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico has revealed the payment for the January 13, 1994 discharge plan flat fee has not been submitted to the Oil Conservation Division (OCD). These fees were due upon receiving the letter approving the discharge plan.

In order to be in compliance with Water Quality Control Commission (WQCC) Regulation 3-114 B.6, please remit the flat fee in full to the OCD immediately. The balance on the flat fee for the above referenced facility is one thousand three hundred eighty dollars ($1380.00). The check should be made payable to: NMED-WATER QUALITY MANAGEMENT and addressed to the OCD Santa Fe office.

If there are any questions on this matter, please contact me (505) 827-7153.

Sincerely,

Chris Eustice
Geologist

cc: OCD-Artesia Office

VILLAGRA BUILDING - 408 Galisteo
Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830
Park and Recreation Division
P.O. Box 1147 87504-1147
827-7465

2040 South Pacheco
Office of the Secretary
827-5950
Administrative Services
827-5925
Energy Conservation & Management
827-5900
Mining and Minerals
827-5970
Oil Conservation
827-7131

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

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

January 13, 1994

CERTIFIED MAIL
RETURN RECEIPT NO. P-111-334-066

Mr. Matt D. Ratliff
Halliburton Energy Services
P.O. Drawer 1431
Duncan, Oklahoma 73536-0105

RE: DISCHARGE PLAN GW-115 APPROVAL
HALLIBURTON ARTESIA SERVICE FACILITY
EDDY COUNTY, NEW MEXICO

Dear Mr. Ratliff:

The **discharge plan GW-115** for Halliburton Energy Services Artesia Service Facility located in Section 28, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the application dated January 5, 1993 and the materials dated January 11, 1994, submitted as supplements to the application.

The discharge plan was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations (WQCC). It is approved pursuant to Section 3-109.A. Please note Sections 3-109.E and 3-109.F which provide for possible future amendments or modifications of the plan. Please be advised that the 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. In addition, the OCD approval does not relieve you of liability for compliance with any 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 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 (5) years. This approval will expire January 13, 1999, and you should submit an application for renewal in ample time before this date.

The discharge plan application for the Halliburton Artesia 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 fee of thirteen hundred and eighty (1380) dollars for service companies.

The OCD has received your $50 filing fee. The flat fee for an approved discharge plan may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the discharge plan, with the first payment due upon receipt of this approval.

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

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/kmb

Attachment

xc: OCD Artesia Office

ATTACHMENT TO DISCHARGE PLAN GW-115 APPROVAL
HALLIBURTON ARTESIA SERVICE FACILITY
DISCHARGE PLAN REQUIREMENTS
(January 13, 1994)

1. Drum Storage: All drums will be stored on pad and curb type containment to be completed by December 1994.

2. Sump Inspection: All sumps at this facility will be cleaned and visually inspected on an annual basis during the third quarter of each year. Any new sumps or below-grade tanks will be approved by the OCD prior to installation and will incorporate secondary containment and leak detection in their designs.

3. Chemical Terminal and Loading/Unloading Area: A chemical terminal utilizing secondary containment and a slab for loading/unloading will be constructed by December 1994. Containment for the terminal will be engineered so that it contains one and one-third times the capacity of the largest or all interconnected tanks (other than fresh water) within the terminal.

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. Modifications: All proposed modifications that include the construction of any below grade facilities or the excavation and disposal of wastes or contaminated soils will have OCD approval prior to excavation, construction or disposal.

6. Underground Waste Water Pipelines: All underground wastewater lines will be tested to ensure their integrity by the second quarter of 1994. Testing method and results will be submitted to the OCD within 30 days of completion.

7. Underground Tanks: The two underground tanks at the acid loading area will be pressure tested by the end of the second quarter 1994 and annually thereafter.

8. Washbay Effluent: The washbay effluent will be sampled and analyzed for total petroleum hydrocarbons, total volatile organics and heavy metals using approved EPA methods. The results will be submitted to the OCD by March 1994.

9. Sump Sludges/Solids: All sludge/solid waste accumulating in sumps will be disposed of offsite at an OCD approved disposal facility after being tested for hazardous characteristics. The test for hazardous characteristics for a particular waste may be effective for one year form the date of analysis, if, the subsequent wastes are from the same waste stream and there is no change in the processes employed or the chemical stored/used at the facility.