GW - 214

PERMITS, RENEWALS, & MODS Application

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 9/27/95,

or cash received on 10/12/95 in the amount of $ 1380.00

from Pool Co

for Hobbs Svc Facility (Facility Name) GW 214 (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: [signature] Date: 10/13/95

Received in ASD by: [signature] Date: 10/13/95

Filing Fee ___ New Facility X Renewal ___

Modification ___ Other _____ (specify)

Organization Code 52107 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment ___

POOL CO.
HOBBS AREA
PO BOX 1198 • 393 5161
HOBBS, NEW MEXICO 88240

DATE	INVOICE	AMOUNT	

95-183/1122

[redacted]

PAY One thousand three hundred eighty + 00/100 DOLLARS

DATE	TO THE ORDER OF	CHECK NO.	DESCRIPTION	CHECK AMOUNT
9-27-95	NMED-Ground Water Quality Bureau, P.O. Box 6429 Santa Fe, NM 87505-6429	[redacted]	Discharge Plan	1380 00

FIRST INTERSTATE BANK OF LEA COUNTY
HOBBS, NEW MEXICO

Two Signatures Required if $1000.00 or More
POOL CO.
HOBBS AREA FUNDS

[signature]

[redacted]

OIL CONSERVATION DIVISION

September 25, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-963-061

Mr. Tim Parker
Area Manager
Pool Company
P.O. Box 1198
Hobbs, NM 88240-1198

RE: Approval of Discharge Plan GW-214
Pool Company, Hobbs Facility
Lea County, New Mexico

Dear Mr. Parker:

The **discharge plan GW-214 for the Pool Company Facility** located in SW/4 SW/4 Section 36, Township 18 South, Range 37 East, NMPM, Lea County, New Mexico, **is hereby approved** subject to the conditions contained in the enclosed attachment. The discharge plan consists of the application and its contents dated July 18, 1995, the additional information received from Terra Dynamics Inc. dated August 4, 1995, and the additional information from Combest Geoscience dated September 18, 1995.

The discharge plan application was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations. 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 Pool Company of liability should the operations associated with this facility result in pollution of surface water, ground water, or the environment.

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 is for a period of five (5) years. This approval will expire September 25, 2000, and you should submit an application for renewal in six (6) months before this date.

The discharge plan application for the Pool Company 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 dollars ($50) plus the flat fee of one thousand three-hundred and eighty dollars ($1380.00) for Service company facilities.

The $50 filing fee has been received by the OCD. The flat fee for an approved discharge plan has not been received by the OCD. The flat fee check should be submitted to the **NMED - Water Quality Management** through the NMOCD office in Santa Fe, New Mexico.

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/pws
Attachment

xc: Wayne Price and Jerry Sexton

ATTACHMENT TO DISCHARGE PLAN GW-214 APPROVAL
Pool Company - Hobbs
DISCHARGE PLAN REQUIREMENTS
September 25, 1995

1. Payment of Discharge Plan Fees: The one thousand three hundred and eighty dollar ($1380) flat fee shall be submitted upon receipt of this approval. The flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the five (5) year duration of the plan, with the first payment due upon receipt of this approval.

2. Tank Berming: All tanks that contain materials other than fresh water that, if released, could contaminate surface or ground water or the environment will be bermed to contain 1 1/3 times the capacity of the tank or 1 1/3 times the volume of all interconnected tanks.

3. Drum Storage: All drums will be stored on pad and curb type containment.

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. Waste Disposal:

   A. All wastes shall be disposed of at an NMOCD approved facility.

   B. Only oilfield exempt wastes can be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous by characteristics may be disposed of at an NMOCD approved facility.

Z 765 963 061

Receipt for Certified Mail

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

Sent to Pool Co.	
Street and No.	
P.O., State and ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, March 1993

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7/18/95

or cash received on 8/2/95 in the amount of $ 50.00

from Pool Co

for Hobbs Svc Facility GW-214
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R. Chambers Date: 8/8/95

Received in ASD by: Angie Olivas Date: 8/9/95

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

POOL CO.
HOBBS AREA
PO BOX 1198 • 393-5161
HOBBS, NEW MEXICO 88240

DATE	INVOICE	AMOUNT

95-183/1122

[redacted]

PAY Fifty + 50/100 DOLLAR

DATE	TO THE ORDER OF	CHECK NO.	DESCRIPTION	CHECK AMOUNT
7-18-95	NMED Water Quality Mgt.	[redacted]	Silica Gel	50

Two Signatures Required If $1000.00 or More
POOL CO.
HOBBS AREA FUNDS

FIRST INTERSTATE BANK OF LEA COUNTY
HOBBS, NEW MEXICO

[redacted]

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

BRUCE KING
GOVERNOR

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

January 5, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-193

Mr. Tim Parker
Area Manager
Pool Company (Texas) Inc.
Carlsbad Highway
P.O. Box 1198
Hobbs, New Mexico 88240

RE: UNLINED PIT CLOSURE PLAN

Dear Mr. Parker:

The New Mexico Oil Conservation Division (OCD) has completed a review of Pool Company (Texas) Inc. (PCI) November 8, 1994 "UNLINED SURFACE IMPOUNDMENT CLOSURE PLAN FOR POOL COMPANY, HOBBS, NM". This document contains PCI's plan for closure of an unlined pit at PCI's service company yard in Hobbs, New Mexico.

The above referenced pit closure plan **is approved with the following conditions:**

1. All soil samples for verification of closure or completion of remedial activities will be sampled and analyzed for benzene, toluene, ethylbenzene, xylene (BTEX) and total petroleum hydrocarbons in accordance with the OCD's "SURFACE IMPOUNDMENT CLOSURE GUIDELINES".

   NOTE: A field headspace measurement of 100 parts per million (mg/l) of total organic vapor, if determined in accordance with OCD guidelines, may be substituted for a laboratory analysis of the concentrations of BTEX.

2. Since wastes generated at oilfield service companies are not exempt from federal RCRA hazardous waste regulations, the OCD requires that PCI analyze the stockpiled soils for RCRA Subtitle C Hazardous Characteristics. The results of these analyses will be submitted to the OCD for approval prior to either onsite remediation or offsite disposal.

3. PCI will submit the composition of any materials to be used for enhancing bioremediation of soils to the OCD for approval prior to application.

4. PCI will submit the location and sampling plan of any proposed soil borings to the OCD for approval prior to implementation.

5. PCI will notify the Environmental Bureau Chief of the OCD Santa Fe Office and the OCD Aztec District Office within 24 hours of the discovery of ground water contamination related to any pit closure activity.

6. The final report, submitted to the OCD upon completion of closure actions, will include a completed OCD "Pit Remediation and Closure Report" form (attached) which will contain the final results of all pit closure activities. The report will also include the concentrations and application rates of all materials or additives used to enhance bioremediation of contaminants.

7. All original documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Hobbs District Office.

Please be advised that OCD approval does not relieve PCI of liability should closure activities determine that contamination exists which is beyond the scope of the work plan or if the closure activities fail to adequately remediate contamination related to their activities. In addition, OCD approval does not relieve PCI of responsibility for compliance with any other federal, state or local laws and/or regulations.

The OCD commends PCI for their initiative in the closure of this unlined pit and looks forward to working with you as the work plan is implemented.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

Attachment

xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price , OCD Hobbs Office
Lynne Fahlquist, COMBEST GEOscience

P 667 242 193

Certified Mail Receipt

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

Sent to	
Street & No.	
P.O., State & ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, June 1990

Fold at line over top of envelope to the right of the return address.

GW-214

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division

DISCHARGE PLAN APPLICATION FOR OILFIELD SERVICE FACILITIES

Prepared for:

Pool Company-Hobbs Facility
5730 Carlsbad Highway
Hobbs, New Mexico

Prepared by:

TERRA DYNAMICS INC
Austin, Texas

Project No. 95-172
July 1995

Table of Contents

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Appendices

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Revised 4/18/95

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to appropriate
District Office

GW -214

DISCHARGE PLAN APPLICATION FOR OILFIELD SERVICE FACILITIES

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

☒ New ☐ Renewal ☐ Modification

1. Type: Oil Field Service Company
2. Operator: Pool Company

   Address: 5730 Carlsbad Highway - P.O. Box 1198 - Hobbs, N.M. 88240-1198

   Contact Person: Tim Parker Phone: (505) 393-5161
3. Location: SW /4 SW /4 Section 36 Township 18S Range 37E

   Submit large scale typographic map showing exact location.
4. Attach the name and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contringency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact fresh water. Depth to and quality of ground water must be included.
13. Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
14. CERTIFICATION

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

Name: Timothy A. Parker Title: Area Manager

Signature: Timothy A. Parker Date: 18 July 1995

172TOC.DOC

1.0 Type of Operation

The Pool Company Hobbs New Mexico Facility (Pool) submits this Discharge Plan as directed by the Director of the State of New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (OCD) in correspondence dated February 7, 1995 and June 14, 1995 and included as Appendix A of this report. This Discharge Plan was completed under the direction of the OCD Discharge Plan Guidelines (Revised 4/18/95), in accordance with Sections 3-104 and 3-106 of the New Mexico Water Quality Control Commission (WQCC) Regulations effective November 18, 1993.

The Pool Company Hobbs Facility consists of an approximately 2.334 acre rectangular tract located adjacent to the north of the Hobbs Airport, at 5730 Carlsbad Highway, just outside of the city limits of Hobbs, New Mexico. The site has been owned by Pool since approximately 1985 when it was developed from vacant land.

Pool is an oil field service company that primarily operates well servicing rigs and support vehicles and equipment from the Hobbs Facility. Pool currently operates 13 rigs and employs 61 people at the Hobbs location. The facility is used as a temporary storage yard and maintenance depot for the rigs and associated support vehicles and equipment. The service equipment and personnel (with exception of administrative staff) work away from the facility on oil and gas locations the majority of the time.

Pool utilizes a variety of chemicals for rig and vehicle maintenance. Chemicals are stored in secure areas as directed by OCD Guidelines. Waste Chemicals are stored in a designated area (proposed to be modified to meet OCD Guidelines) and recycled or disposed of by a variety of third-party vendors outlined in this report. Presently, no effluent or solid waste is discharged at the facility with the exception of domestic sewage from the office facilities which is discharged into an on-site septic system and leach field. No receptacles attached to the septic system are located in any of the work areas therefore it is very unlikely that any comingling of domestic and industrial effluent has occurred.

2.0 Facility Operator and Local Representative

This section contains the facility operator information requested in Section II of the OCD Guidelines. The operator information including name and address of the legally responsible party is as follows:

Pool Company (Texas) Inc.
10375 Richmond Avenue
Houston, TX 77042

Phone (713) 954-3000

The local representative for Pool Company (Texas) Inc., is:

Mr. Tim Parker (Area Manager)

Pool Company-Hobbs, NM Facility
5730 Carlsbad Highway
P.O. Box 1198
Hobbs, NM 88240

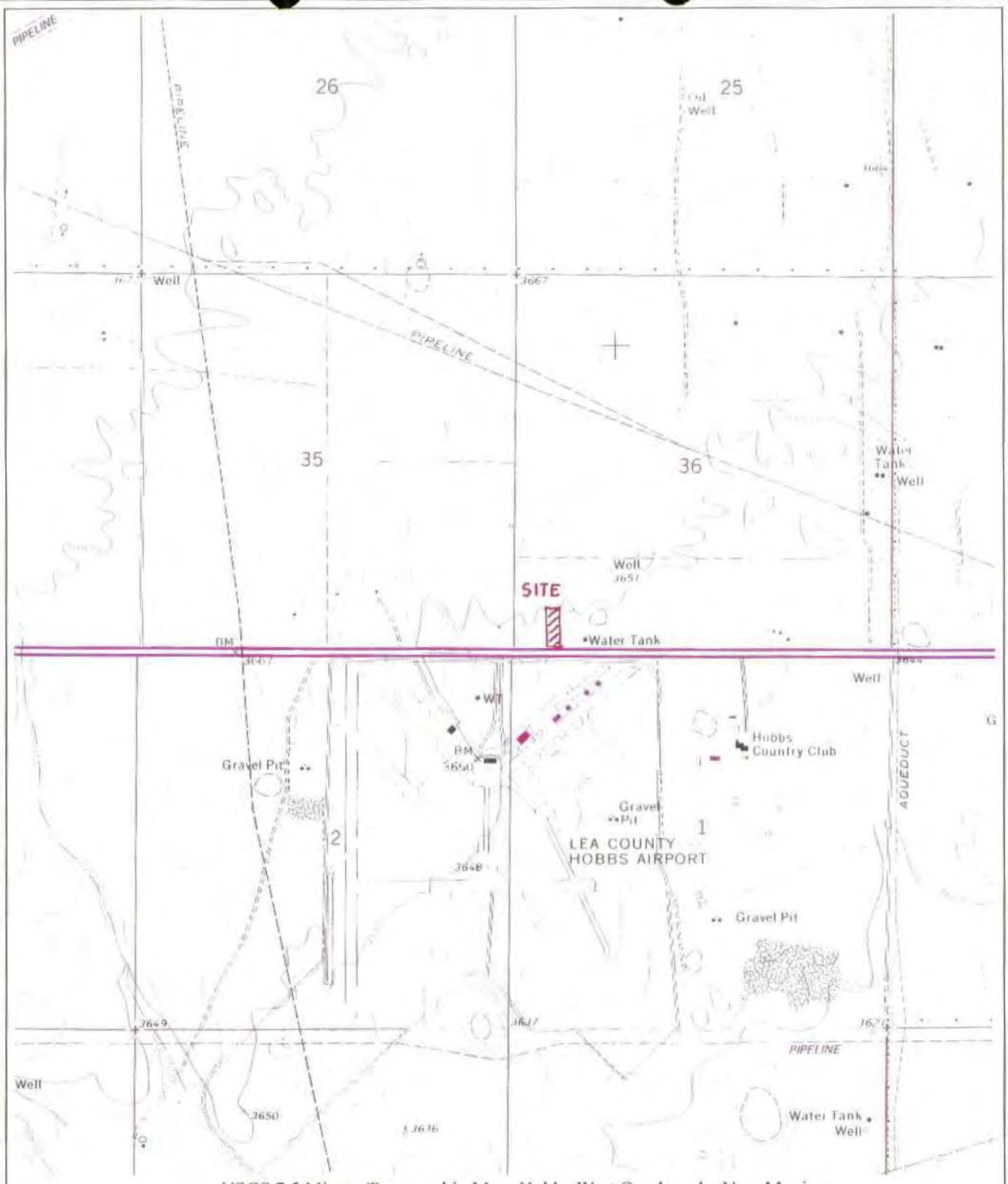
Phone (505) 393-5161

3.0 *Facility Location Information*

This section contains the facility location information requested in Section III of the OCD Guidelines. A legal description of the Pool Company Hobbs Facility is as follows:

> **A tract of land situated in the southwest quarter of the southwest quarter of Section 36, Township 18 South, Range 37 east, N. M. P. M., Lea County, New Mexico, being more particularly described as follows:**
>
> **Beginning at a point on the north right-of-way of U. S. Highway 62/180 which lies N00°01'W 100.00 feet and S89°50'E 659.57 feet from the southwest corner of said Section 36; thence N00°01'W 564.70 feet; thence S89°50'E 180.0 feet: thence S00°01'E 564.70 feet to a point on the north right-of-way of said U. S. Highway 62/180; thence N89°50'W 180.00 feet along the north right-of-way of said U. S. Highway 62/180 to the point of beginning, describing 2.334 acres, more or less.**

Figure 1 is a USGS 7.5 minute topographic quadrangle of Hobbs West New Mexico showing the location of the facility. As indicated on the map, the site is situated on relatively flat terrain at an elevation of approximately 3,645 feet above Mean Sea Level (MSL).



USGS 7.5 Minute Topographic Map: Hobbs West Quadrangle, New Mexico
Contour Interval: 5 Feet

N

Graphic Scale in Feet

0 2,000 4,000

SITE LOCATION MAP

FIGURE 1
Pool Company
5730 Carlsbad Highway
Hobbs, New Mexico
TDI Project No. 95-172

TERRA DYNAMICS INC

4.0 Facility Landowner Information

This section contains the facility landowner of record information requested in Section IV of the OCD Guidelines. The landowner of the Pool Company Hobbs Facility is:

Pool Company (Texas) Inc.
10375 Richmond Avenue
Houston, TX 77042

Phone (713) 954-3000

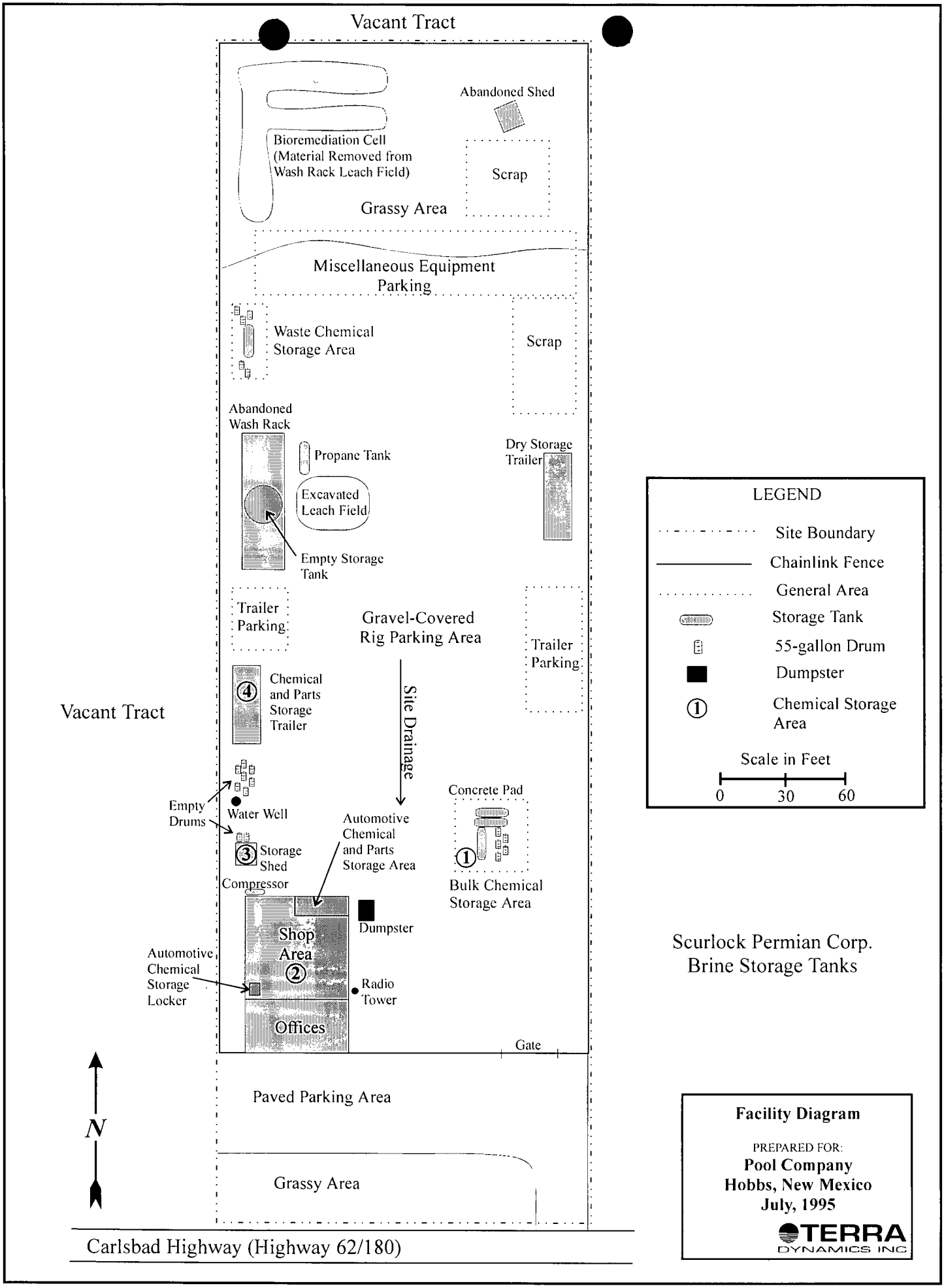
5.0 *Facility Description Information*

This section contains the facility description information requested in Section V of the OCD Guidelines. Figure 2 is a Facility Diagram indicating the approximate locations of pertinent features at the site. Site photographs are included as Appendix B of this application.

The Pool Company Hobbs Facility (Figure 2) consists of a rectangular tract of relatively flat land surveyed to be 564.7 feet deep and 180.0 feet wide with frontage along the south end of the property along Carlsbad Highway (US Highway 62-180). Site drainage is generally to the south towards the highway. The property was reported to be developed in 1985 from undeveloped land.

Permanent site improvements consist of an approximately 4000 sq. ft. steel office/shop building located in the southwest portion of the tract and several small storage buildings located throughout the property as indicated in Figure 2. Approximately one-half of the building is used by administrative staff while the remaining space is used as an automotive maintenance area. Several storage trailers are located on the property and an abandoned wash rack is located in the west-central portion of the tract. The remaining area is used for temporary storage of mobile oilfield equipment and associated vehicles. The locations of the various improvements are shown in Figure 2. Photographs of the site are included in Appendix B.

The property adjacent to the south of the site is the Lea County Hobbs Airport. The property adjacent to the east of the site is a brine mining operation run by Scurlock Permian Corporation. The properties adjacent to the north and west of the site are undeveloped. Other properties in the vicinity consist of similar oil field service contractors and companies located along Carlsbad Highway to the east and west of the site.


Vacant Tract
Abandoned Shed
Bioremediation Cell
(Material Removed from
Wash Rack Leach Field)
Scrap
Grassy Area
Miscellaneous Equipment
Parking
Waste Chemical
Storage Area
Scrap
Abandoned
Wash Rack
Propane Tank
Dry Storage
Trailer
Excavated
Leach Field
Empty Storage
Tank
Trailer
Parking
Gravel-Covered
Rig Parking Area
Trailer
Parking
Vacant Tract
Chemical
and Parts
Storage
Trailer
Site Drainage
Empty
Drums
Water Well
Automotive
Chemical
and Parts
Storage Area
Concrete Pad
Storage
Shed
Compressor
Bulk Chemical
Storage Area
Dumpster
Shop
Area
Automotive
Chemical
Storage
Locker
Radio
Tower
Offices
Gate
Paved Parking Area
N
Grassy Area
Carlsbad Highway (Highway 62/180)
LEGEND
Site Boundary
Chainlink Fence
General Area
Storage Tank
55-gallon Drum
Dumpster
Chemical Storage
Area
Scale in Feet
0
30
60
Scurlock Permian Corp.
Brine Storage Tanks
Facility Diagram
PREPARED FOR:
Pool Company
Hobbs, New Mexico
July, 1995
TERRA
DYNAMICS INC

6.0 *Materials Stored and Used at the Facility*

This section contains the information relating to materials stored and used at the facility requested in Section VI of the OCD Guidelines. References to chemical storage areas refer to Figure 2 in Section 5. The provided tables are based on the Part VI form provided in the OCD Guidelines. Site Photographs are included as Appendix B of this application. Requested MSDS information is included as Appendix C of this application.

Table 6-1
List of Materials Stored in the Bulk Chemical Storage area to the east of the Office Building (See Chemical Storage Area #1 on the Facility Diagram):

Material Name *(Liquid or Solid)*	**Type of Container**	**Estimated Volume Stored (as of 7/95)**
Methanol/Water Mixture *(Liquid)*	500-gallon above ground steel tank	0 gallons
Hydraulic Fluid *(Liquid)*	500-gallon above ground steel tank	250 gallons
Engine Oil *(Liquid)*	300-gallon above ground steel tank	100 gallons
*Varsol (Naphtha based solvent) *(Liquid)*	55-gallon drum	20 gallons
Kerosene *(Liquid)*	55-gallon drum	20 gallons
*Methanol *(Liquid)*	55-gallon drum	25 gallons
Antifreeze *(Liquid)*	55-gallon drum	55 gallons
Corrosion Inhibitor *(Liquid)*	55-gallon drum	20 gallons

**** MSDS information located in Appendix C***

Table 6-2
List of Materials Stored in the Shop area of the Office Building (See Chemical Storage Area #2 on the Facility Diagram):

Material Name *(Liquid, Solid or Gas)*	**Type of Container**	**Estimated Volume Stored (as of 7/95)**
*Chem-Dip Carburetor Cleaner *(Liquid)*	5-gallon can	9 gallons
Oxygen *(Gas)*	Large Cylinder	1 cylinder
Acetylene *(Gas)*	Small Cylinder	1 cylinder
Chem-Gard foam compatible dry chemical powder *(solid)*	20 lb. box	10 lbs.
Hydraulic Fluid *(Liquid)*	25-gallon drum	15 gallons
Wheel bearing Grease *(Liquid)*	1-gallon can	0.5 gallons
Refrigerant Oil *(Liquid)*	Quart bottle (32 oz)	1 quart
Manifold Sealer *(Liquid)*	Pint bottle (16 oz)	0.5 pints
Gear Oil *(Liquid)*	10 gallon can	5 gallons
Grease *(Liquid)*	2.5 gallon can	1.5 gallons
Oil Absorbent *(solid)*	25 lb. bag	15 lb.
Welding Rods *(solid)*	Locked Refrigerator	200+ rods *(various types)*

**** MSDS information located in Appendix C***

Table 6-3
List of Materials Stored in the Automotive Chemical Storage Locker in the loft of the Shop area of the Office Building (See Chemical Storage Area #2 on the Facility Diagram):

Material Name *(Liquid or Solid)*	**Type of Container**	**Estimated Volume Stored (as of 7/95)**
Pro-Ma MBL Spray Lubricant *(Liquid)*	Pint bottle (16 oz)	7 pints
Pro-Ma Gasoline Treatment *(Liquid)*	Pint bottle (16 oz)	7 pints
Pro-Ma Diesel Treatment *(Liquid)*	Quart bottle (32 oz)	24 quarts
Pro-Ma MBL Grease *(Liquid)*	Cartridge (14 oz)	12 cartridges
R-12 Refrigerant *(Liquid)*	Bottle (30 lb)	1 bottle
R-12 Refrigerant *(Liquid)*	Bottle (12 oz)	48 bottles
Pro-Ma MBL Concentrate *(Liquid)*	Gallon bottle	3 gallons

Table 6-4
List of Materials Stored in the Storage Shed located adjacent to the North of the Office Building (See Chemical Storage Area #3 on the Facility Diagram):

Material Name *(Liquid or Solid)*	**Type of Container**	**Estimated Volume Stored (as of 7/95)**
R-12 Refrigerant *(Liquid)*	Bottle (30 lb)	2 bottles
Refrigerant Oil *(Liquid)*	Quart bottle (32 oz)	5 quarts
Drilling and Tapping Fluid *(Liquid)*	Pint bottle (16 oz)	5 pints
Enamel Reducer *(Liquid)*	Gallon bottle	1 gallon
Automotive Lacquer Primer *(Liquid)*	Quart bottle (32 oz)	2 quarts
Acetone *(Liquid)*	Gallon bottle	1 gallon
Spray Paint *(Liquid)*	Cans (10 oz)	4 cans
Diesel Fuel Conditioner *(Liquid)*	Pint bottle (16 oz)	12 bottles
Paint Remover *(Liquid)*	Gallon bottle	1 gallon
*Paint Thinner *(Liquid)*	Gallon bottle	2 gallons
Tap Magic Cutting Fluid *(Liquid)*	Quart bottle (32 oz)	1 quart
Air Filter Oil *(Liquid)*	Can (12.25 oz)	2 cans

**** MSDS information located in Appendix C***

Table 6-5
List of Materials Stored in the Chemical and Parts Storage Trailer located to the North of the Office Building (See Chemical Storage Area #4 on the Facility Diagram):

Material Name *(Liquid or Solid)*	**Type of Container**	**Estimated Volume Stored (as of 7/95)**
Oil Absorbent *(Solid)*	25 lb. bag	375 lb.
*Chem-Dip Carburetor Cleaner *(Liquid)*	5-gallon can	5 gallons
Gear Oil *(Liquid)*	5-gallon can	105 gallons
Pro-Ma MBL Grease *(Liquid)*	Cartridge (14 oz)	110 cartridges
Gear Oil *(Liquid)*	Quart bottle (32 oz)	26 quarts
Automotive Automatic Transmission Fluid *(Liquid)*	Quart bottle (32 oz)	60 quarts
Motor Oil *(Liquid)*	Quart bottle (32 oz)	192 quarts
Motor Oil 15W-40 *(Liquid)*	Gallon bottle (32 oz)	20 gallons
Motor Oil 30W *(Liquid)*	Gallon bottle (32 oz)	20 gallons
Power Steering Fluid *(Liquid)*	Quart bottle (32 oz)	26 quarts
*Paint Thinner *(Liquid)*	Gallon can	6 gallon
Enamel Paint Various Colors *(Liquid)*	Gallon can	9 gallons
Hand Cleaner *(Liquid)*	Gallon can	18 gallons
Lubo-Seal Joint Compound *(Liquid)*	2.5 Gallon bottle	40 gallons

**** MSDS information located in Appendix C***

7.0 *Summary of Effluents and Wastes Generated at the Facility*

This section contains the description of present sources and quantities of effluents and waste solids generated at the facility requested in Section VII of the OCD Guidelines. The provided tables are based on the Part VII form provided in the OCD Guidelines. All of the waste generated at the facility result from vehicle and equipment maintenance and administrative office activities.

Table 7-1
Sources and Quantities of Wastes Generated at the facility.

Waste Type	General Composition and Source	Approximate Volume Per Month (gallons)	Major Additives
Truck Waste	No hauling is currently performed at this facility	N/A	N/A
Truck, Tank, and Drum Washing	No vehicle or container washing is currently performed at this facility	N/A	N/A
Steam Cleaning of Parts, Equipment, Tanks	No steam Cleaning is currently performed at this facility	N/A	N/A
Solvent/Degreaser Use *is the chlorinated solvent?	Solvents from Parts Cleaning	<10 gallons	Small quantities of oil, grease and solids
Spent Acids, Caustics, or Completion Fluids	None of these materials are currently handled at the facility	N/A	N/A
Waste Slop Oil	No slop oil is currently handled at the facility	N/A	N/A
Waste Lubrication and Motor Oils	Waste oils from rigs and support vehicles	<200 gallons	Water
Oil Filters	Filters from rig and support vehicle maintenance	<100 units	Small quantities of waste oil
Solids and Sludges from Tanks	None of these materials are currently handled at the facility	N/A	N/A
Painting Waste	Industrial enamel paint, Paint thinner, automotive paint, and reducers	<10 gallons	None
Sewage	Not Comingled with other Waste	<30,000	N/A
Other Waste Liquids	Spent Antifreeze	<25 gallons	Water
Other Waste Solids	Used drums	<3 units	None
"	Scrap Metal	varies	None
"	Spent Automotive Parts	varies	None
"	Spent welding rods,	<25 rods	None
"	Used oily Rags	<20 lbs	lubrication fluids, paint and solvents
"	Spent oil absorbent	<100 lbs.	lubrication fluids

* Recycled or Disposed?

from where? where does it go?

where does it go

where does it go?

8.0 Summary of Waste Collection, Storage, and Disposal Procedures

Part A-Summary Information

This section contains summary information relating to onsite collection, storage, and disposal systems for each source listed in Table 7-1.. The provided table is based on the Part VIII form provided in the OCD Guidelines.

Table 8-1
Summary Table for Current Liquid and Solid Waste Collection/Storage and Disposal Procedures.

Waste Type	General Composition and Source	Summary of Collection, Storage and Disposal Systems
Truck Waste	No hauling is currently performed at this facility	N/A
Truck, Tank, and Drum Washing	No vehicle or container washing is currently performed at this facility	N/A
Steam Cleaning of Parts, Equipment, Tanks	No steam Cleaning is currently performed at this facility	N/A
Solvent-Degreaser Use	Naptha based solvent used for Parts Cleaning	Solvents are used and contained in a solvent sink provided by Safety Kleen and refilled and/or recycled on a monthly basis.
Spent Acids, Caustics, or Completion Fluids	None of these materials are currently handled at the facility	N/A
Waste Slop Oil	No slop oil is currently handled at the facility	N/A
Waste Lubrication and Motor Oils	Waste oils and lubrication fluids from rig and support vehicle maintenance	Waste oil and lubrication fluids are drained into catch pans and dumped into an above ground waste oil storage tank with secondary containment. The waste oil is collected by Specialty Environmental Services on a monthly basis
Oil Filters	Filters from rig and support vehicle maintenance	Oil filters are stored in sealed 55-gallon drums near the waste oil tank. Drums are removed as they become full by Specialty Environmental Services.
Solids and Sludges from Tanks	None of these materials are currently handled at the facility	N/A

Table 8-1 (Continued)

Waste Type	General Composition and Source	Summary of Collection, Storage and Disposal Systems
Painting Waste	Industrial enamel paint, Paint thinner, automotive paint, and reducers	The majority of painting activities are related to rig maintenance and are performed on location. Empty paint and solvent cans are disposed of in the dumpster which is supplied by Waste Management. Spent solvents are collected in disposable containers and allowed to evaporate.
Sewage	Not Comingled with other Waste	The facility sewage system discharges into an onsite septic field of unknown construction. No sinks are located in any of the work areas thus minimizing the chance for comingling shop waste with office waste.
Other Waste Liquids	Spent Antifreeze	Spent antifreeze is collected in 55-gallon drums and stored in the waste chemical holding area. The antifreeze and water mixture is reused in the braking system of the rigs during cold weather.
Other Waste Solids	Used drums	Used drums are opened and stored onsite and reused on drilling locations for solid waste disposal.
"	Scrap Metal	Scrap metal (mainly in the form of spent wireline) is stored in the yard area and recycled periodically by Hobbs Iron and Metal.
"	Spent Automotive Parts	Spent tires are stored in dry storage trailer and periodically collected by Treadco Tires for recycling. Spent batteries are stored in the chemical and parts storage trailer and periodically collected by Interstate Batteries for recycling. Spent parts are disposed of in the dumpster serviced by Waste Management.
"	Spent welding rods,	Spent welding rods are disposed of in the dumpster serviced by Waste Management.
"	Used oily rags	Rags are stored on-site and picked up weekly by National Uniform Service for recycling
"	Spent oil absorbent	Spent absorbent is disposed of in the dumpster serviced by Waste Management.

Beneficial use - use in Hydromatics Braking System for Drumworks

Part B-Collection and Storage Systems Information

The OCD Guidelines require that for collection and storage systems identified in Part A (Table 8-1), information be provided for determining what water contaminants may be discharged to the surface and subsurface within the facility.

Table 8-2
Collection and Storage Systems Summary Table
(Refers to OCD Guidelines Section VIII, Part B, No. 1)

Waste Type (From Section VIII, Part A)	General Composition and Source	Collection and Storage Systems including Treatment Units
Solvent-Degreasers	Naptha based solvent used for Parts Cleaning	Solvents contained in a solvent sink provided by Safety Kleen located inside of the shop area. The shop area is located inside and has a concrete slab floor. No solvents are discharged from the self-contained unit.
Waste Lubrication and Motor Oils	Waste oils and lubrication fluids from rig and support vehicle maintenance	Waste oil and lubrication fluids are drained in the shop area and in the yard into catch pans and immediately dumped into an approximately 300-gallon unpressurized steel above ground waste oil storage tank within a fiberglass secondary containment basin located in the northwest portion of the property.
Oil Filters	Filters from rig and support vehicle maintenance	Oil filters are removed in the shop area and in the yard and drained in the catch pans. Filters are then placed and stored in sealed steel 55-gallon drums located adjacent to the waste oil tank in the northwest portion of the property. The drums sit on the ground in an open area.
Painting Waste	Industrial enamel paint, Paint thinner, automotive paint, and reducers	The small quantities of spent solvents and waste paint used on the premises are collected in disposable containers and allowed to evaporate. These containers are then disposed of in the steel construction closed top dumpster located adjacent to the east of the main building. The dumpster sits on the ground in an open area.
Sewage	Not Comingled with other Waste	The facility sewage system consists of sinks and toilets located within the office portion of the building. These facilities discharge into an onsite septic field of unknown construction reportedly located to the east of the main building. No sinks are located in any of the work areas thus avoiding the possibility of comingling shop waste with office waste.
Other Waste Liquids	Spent Antifreeze	Spent antifreeze is collected in catch pans within the shop and yard areas and immediately dumped into sealed steel 55-gallon drums. These drums are stored in the waste chemical holding area located on the northwest portion of the property. The drums sit on the ground in an open area.
Other Waste Solids	See Part A for specific composition	The majority of the solid waste generated at the facility is temporarily stored in closed sheds and ultimately recycled. Materials that are not recycled are contained in a steel construction closed top dumpster, that is serviced weekly, located adjacent to the east of the main building. The dumpster sits on the ground in an open area.

Section VIII, Part B, No. 2 of the OCD Guidelines asks for specific information concerning the tankage and chemical storage areas. There are two (2) areas where bulk chemicals (contained in tanks and drums) are stored at the Pool facility. These are the Bulk Chemical Storage Area (identified as Chemical Storage Area #1 on the Figure 2) and the Waste Chemical Storage Area (see Figure 2).

Photograph #5 (Appendix B) shows the Bulk Chemical Storage Area. The specifics concerning materials stored, types of containers, and current inventory of chemicals stored in this area is addressed in Table 6-1. None of the tanks or drums in this area are interconnected. The area is located on a concrete pad approximately 35 ft. x 35 ft. in dimension. All of the tanks and drums are contained within a fiberglass construction secondary containment tub having a capacity to hold in excess of a 1/3 volume of the largest tank (500-gallons) volume. Their are no drains or sumps associated with area and any spilled material is confined within the containment unit.

Photograph #9 (Appendix B) shows the Waste Chemical Storage Area located adjacent to the north of the closed wash rack. Specifics relating to materials stored in this area summarized in the following table:

Table 8-3
List of Materials Stored in the Waste Chemical Storage Area Adjacent to the North of the Abandoned Wash Rack (See Chemical Storage Area #1 on the Facility Diagram):

Material Name *(Liquid or Solid)*	Type of Container	Estimated Volume Stored (as of 7/95)
Antifreeze/Water Mixture *(Liquid)*	(2) 55-gallon steel drums	40 gallons
Waste Oil and Lubricating Fluids *(Liquid)*	250-gallon above ground steel tank	150 gallons
Used Oil Filters *(Solid)*	(2) 55-gallon steel drums	60 gallons (Each drum approx. half full)

The waste oil tank is a steel construction unpressurized above ground storage tank having an approximate capacity of 250 gallons. The tank is contained within a fiberglass construction secondary containment tub having a capacity to hold in excess of a 1/3 volume of the tank volume. The secondary containment tub sits on the ground and there are no drains or sumps associated with the unit and any material spilled is confined within the containment unit. The two (2) drums containing the spent antifreeze and water mixture are closed on top and sit on the ground adjacent to the waste oil unit. the two (2) drums containing the used oil filters are closed on top and sit on the ground adjacent to the waste oil unit.

Section VIII, Part B, No. 3 of the OCD Guidelines asks for specific information pertaining to the demonstration of mechanical integrity of buried piping. The Pool

facility in Hobbs was constructed in approximately 1985 and is significantly less than 25 years old. In addition the facility does not contain any known underground process of wastewater pipelines.

Part C-Existing Effluent and Solids Disposal

Section VIII, Part C, No. 1 of the OCD Guidelines asks for specific information pertaining to on-site facilities. The only effluent or solid waste that is disposed of on-site is effluent associated with the sanitary sewer system for the office portion of the main building. The effluent generated flows into a leach field that is presumably located to the east of the main building. At the time of this report no specific information relating to the construction and/or size of the field was available. Pool employs approximately 60 people depending upon rig utilization but usually no more than five (5) administrative personnel are present at this facility during business hours as the majority of the work is performed on oil and gas well locations. The actual amount of wastewater generated from the facility is probably less than 500 gallons per day. It should be noted that a surface impoundment was closed at the facility in early 1995 and a Closure Report dated March 1995 is on file with the OCD. A copy of this report is included as Appendix D of this application. There are no injection wells, drying beds and/or other pits, or solids disposal areas located on the Pool premises.

Since there are no, and have reportedly been no discharges of chemicals into the sanitary septic system no modification is proposed to the present septic system as part of this discharge plan.

Section VIII, Part C, No. 2 of the OCD Guidelines asks for specific information pertaining to off-site disposal facilities. The following table summarizes the general composition, method of shipment, and final disposition of waste shipped off-site.

Table 8-4
Offsite Disposal Contractors and Sources

General Waste Composition	Method of Shipment	Final Disposition	Receiving Facility
Solvents	Contractor Truck (Every 4 Weeks)	Recycled	Safety-Kleen 10607 West County Road 127 Midland, TX 79711
Waste Oil and Oil Filters	Contractor Truck (As Needed)	Recycled	Specialty Environmental Services Lubbock, TX 1-800-256-9288
Batteries	Contractor Truck (As Needed)	Recycled	Interstate Batteries 2400 N. West County Road Midland, TX 79711 (505) 392-4245
Tires	Contractor Truck (As Needed)	Recycled	Treadco Tires 701 North IH-27 Lubbock, TX (806) 762-6194
Automotive Refrigerants	Trucked to Location	Recovered	Herbs Automotive 511 1/2 W. Clinton Hobbs, N.M 88240
Scrap Iron	Trucked to Location	Recycled	Hobbs Iron and Metal 920 South Grimes Hobbs, N.M. 88240
Oily Rags	Contractor Truck (Weekly)	Recycled ??	National Uniform 1500 West Bender Blvd. Hobbs, N.M. 88240
Other Solid Waste	Contractor Truck (Weekly)	Domestic Landfill	Waste Management 2608 Lovington Hwy. Hobbs, NM 88240 (505) 392-6571

9.0 Proposed Modifications

This section contains the summary information relating to proposed modifications to onsite collection, storage, and disposal systems to meet the criteria outlined in Section VIII, Part B of the OCD Guidelines.

Part A-Proposed Modifications to Fulfill the Requirements of the Regulations

To ensure compliance with WQCC the regulatory requirements the Pool Company Hobbs New Mexico Facility proposes the following modifications in facilities and work practices.

Modification #1- A concrete pad will be constructed within 6-months of approval of the Discharge Plan Permit for the Waste Chemical Storage Area. The above ground waste oil storage tank and the fiberglass secondary containment unit will be placed on the concrete slab as well as the waste antifreeze and waste oil filter drums which will be placed in a secondary containment basin also on the concrete pad to be constructed.

Modification #2- Paint waste generated at the Pool facility will be stored in a closed, clearly marked, 55-gallon drum to be located in a secondary containment basin in the Waste Chemical Storage Area. The material will be disposed of in a proper manner as the need arises.

Modification #3- Spent oil absorbent materials generated at the Pool facility will be stored in a closed, clearly marked, 55-gallon drum to be located in a secondary containment basin in the Waste Chemical Storage Area. The material will be disposed of in a proper manner as the need arises.

Modification #4- Spent welding rods generated at the Pool facility will be stored in a closed, clearly marked, 55-gallon drum to be located in a secondary containment basin in the Waste Chemical Storage Area. The material will be disposed of in a proper manner as the need arises.

Part B-Proposed Closure of Ponds, Pits, Leach Fields, Etc...

There are currently no ponds, pits, leach fields, etc. present at the Pool Hobbs Facility with the exception of the excavated leach field associated with the abandoned wash rack. The leach field was excavated on February 8, 1995 under the supervision of the New Mexico OCD. A formal Closure Report is currently on file with the OCD outlining the satisfactory completion of work and present status of the case which is awaiting final closure. The Closure Report and Status Letter from the OCD is included as Appendix D of this

application. Filling of the pit and final closure is expected upon remediation of the soils excavated from the leach field which are currently undergoing treatment.

10.0 Inspection, Maintenance and Reporting

This section contains a proposed inspection, maintenance and reporting plan to be implemented to ensure compliance with the Discharge Plan Permit, as outlined in Section X, Parts A, B and C of the OCD Guidelines.

Part A-Proposed Facility Inspection, Maintenance and Reporting Procedures

To ensure compliance with the Discharge Plan Permit, the Pool Company Hobbs Facility proposes the following routine inspection and maintenance plan summarized in the following table:

Table 10-1
Routine Inspection Activities and Schedule

Maintenance Area	Inspection Procedures	Inspection Frequency
Bulk Chemical Storage Area	Regularly inspect all tanks and drums for leaks. Check all dispensing hardware for serviceability and replace as needed. Clean up any spilled material within the secondary containment unit. Visually check secondary containment unit for integrity. Note observations in the inspection log.	Monthly
Waste Chemical Storage Area	Regularly inspect all tanks and drums for leaks. Clean up any spilled material within the secondary containment unit. Visually check secondary containment unit for integrity. Note observations in the inspection log.	Monthly
Other Chemical Storage Areas	Inspect all containers for evidence of leaking. Clean up any leaked or spilled material and note in the inspection log.	Monthly

A notebook, administered by the Area Manager, will be maintained at the Pool Hobbs Facility containing information about the monthly inspections including; the name of the person performing the inspection, the date and time of the inspection, and notation of any deficiencies or problems identified in the specific areas.

In the unlikely event that a chemical spill, of sufficient quantity as may, with reasonable probability, injure or be detrimental to human health, animal or plant life, or property, occurs and is not contained within the provided secondary containment units, then as soon as possible after taking corrective action to remedy the release, a notification will be made to the proper regulatory agencies in accordance with Section 1-203 of the WQCC Regulations (1993).

Part B-Groundwater Monitoring and Leak Detection Procedures

No groundwater monitoring is currently conducted at the Pool Hobbs Facility. In addition, no groundwater monitoring is planned for the facility.

Part C- Procedures for the Prevention of Stormwater Runoff Contamination

The Pool Company currently uses a set of "Best Management Practices" for the prevention of stormwater runoff contamination at the Hobbs Facility. These practices are outlined in the "Storm Water Pollution Prevention Plan for Pool Company Hobbs, New Mexico (1993) which is included as Appendix E of this application.

11.0 Spill and Leak Prevention and Reporting

This section contains a contingency that anticipates where spills or leaks might occur. This plan proposes procedures to guard against accidental spills and how to detect them if they occur. The plan also describes the steps to be taken to contain and remove the spilled substance and protect ground and surface waters from being impacted. This plan will be implemented to ensure compliance with the Discharge Plan Permit, as outlined in Section XI, Parts A, B and C of the OCD Guidelines. This plan was prepared in accordance with OCD Rule 116 and WQCC Section 1-203.

Part A- Proposed Procedures for Containment, Cleanup and Reporting

In the case of a ***major spill*** at the Pool Company Hobbs Facility, one which consists of a quantity of material that may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, the following actions are to be executed:

1. The person making the identification of a major spill at the facility will simultaneously notify the Facility Manager (Tim Parker) and Indian Fire and Safety of Hobbs, New Mexico (505) 393-3093 requesting an emergency response action. The only area on the site where a major spill is likely to occur is the Bulk Chemical Storage Area. This area is paved and all chemical storage vessels are locating within a fiberglass construction secondary containment basin.

2. After the initial response action which should stabilize any immediate threat, an assessment will be made concerning pertinent information relating to the spill as outlined in Section 1-203 of the WQCC Regulations.

3. At the same time as the assessment is being conducted, the facility operator shall take corrective actions necessary and/or appropriate to contain and remove or mitigate the damage caused by the discharge.

4. The operator shall then endeavor as soon as possible (within 24 hours) to notify the OCD or Chief, Groundwater Bureau, Environmental Improvement Division as per the instructions outlined in Section 1-203 of the WQCC Regulations.

5. Within one week after the discharge, the facility operator shall send written notification to the same division official identified above (#4) and verify the prior oral notification.

6. If necessary a formal corrective action plan will be prepared by the facility and be submitted to the appropriate regulatory agency for further guidance in rectifying the circumstances resulting from the inadvertent discharge.

In the case of a ***minor spill*** at the Pool Company Hobbs Facility, one which does not consists of a quantity of material that may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, the following actions are to be executed:

1. The person making the identification of a minor spill at the facility will notify the Facility Manager (Tim Parker). Areas on the site where a minor spill is likely to occur include; the Bulk Chemical Storage Area, the Waste Chemical Storage Area, the Shop Area of the Building, the Storage Shed, and the Chemical and Parts Storage Trailer (Figure 2). These areas are paved and/or contained in structures with solid impermeable floors with the exception of the Waste Chemical Storage Area which is proposed to be modified (See Section 9 of this application).

2. As soon as possible after learning of a minor spill, an assessment will be made concerning pertinent information relating to the spill as outlined in Section 1-203 of the WQCC Regulations the facility operator shall simultaneously take corrective actions necessary and/or appropriate to contain and remove or mitigate the damage caused by the discharge.

3. If necessary a formal corrective action plan will be prepared by the facility and be submitted to the appropriate regulatory agency for further guidance in rectifying the circumstances resulting from the inadvertent discharge.

Part B- Leak Detection Methods

Leak detection will be accomplished by using the proposed inspection plan outlined in Section 10 of this application and through daily observations by personnel using the facilities. Above ground storage tanks and drums are routinely used during day to day operations by the mechanics on staff.

Part C- Injection Well Usage Procedures

No injection wells are located or operated at the Pool Company Hobbs Facility.

12.0 Geologic and Hydrogeologic Site Characteristics

This section contains physiographic, geologic and hydrogeologic information pertaining to the site vicinity as requested in Section XII of the OCD Guidelines. A USGS 7.5 minute quadrangle topographic map is provided as Figure 1 in Section 5. A generalized geologic map of the Hobbs vicnity is provided a Figure 3. Copies of pertinent references used for this section are included in Appendix F.

Part A- Physiographic, Geologic and Hydrogeologic Information

The following discussion addresses surface water features, local groundwater information, soils, shallow geology, and stormwater runoff potential at the Pool Company Hobbs Facility. The following information was garnered from available literature pertaining to the site vicinity.

Surface Water

Based on a review of the USGS Hobbs West New Mexico 7.5 Minute Quadrangle (Figure 1) surface water bodies located within a one-mile radius of the Pool Company Hobbs Facility are summarized in the following table:

Table 12-1
Summary of Surface Water Features Within a One-Mile Radius of the Site

Surface Water Feature	Persistence	Distance and Direction from the Site
Pond	Intermittent (Playa)	500 feet northeast
Pond	Intermittent (Playa)	2000 feet southeast (Hobbs Country Club)
Pond	Intermittent (Playa)	5000 feet south/southeast
Pond	Intermittent (Playa)	4500 feet southwest
Aqueduct	Intermittent	5000 feet east

There are no permanent surface water features located within an one-mile radius of the site.

General Geology and Hydrogeology

Usable quality groundwater in the site vicinity is produced from the Ogallala Formation (Ogallala Aquifer). The Ogallala generally consists of calcareous unconsolidated sand with variable amounts of clay, silt and gravel which were deposited in fluvial depositional environments. The Ogallala is capped in many places by a dense layer of caliche which ranges in thickness from a few feet to as much as 60 feet (Nicholson and

Clebsch, 1961). Small to large quantities of usable quality water are available from the Ogallala in southern Lea County. The aquifer exists under water table conditions and demonstrates some seasonal fluctuation in saturated thickness. In general groundwater movement is toward the southeast (Nicholson and Clebsch, 1961).

Site Geology and Hydrogeology

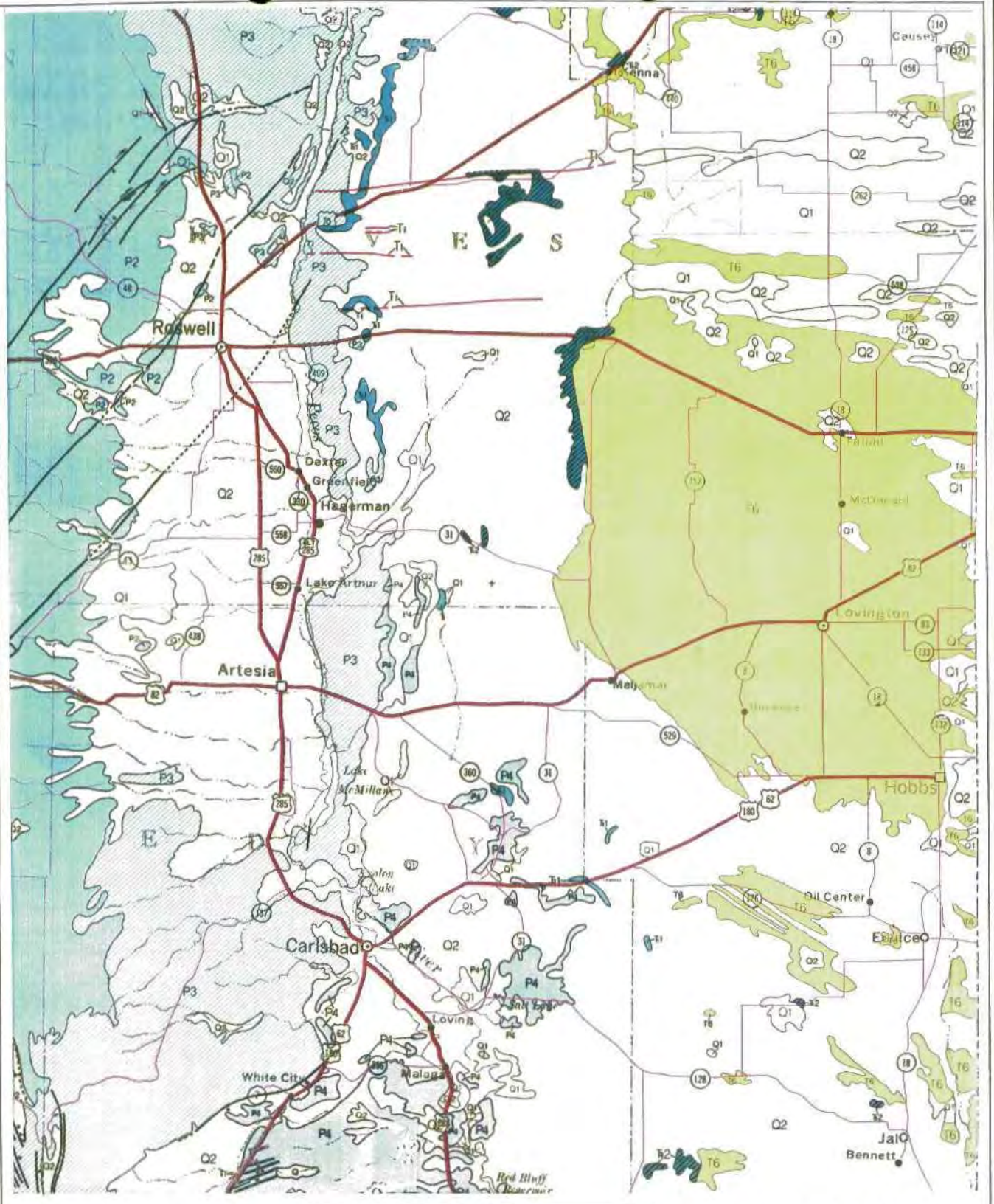
The Ogallala is exposed at the surface in the Hobbs area (Figure 3) and extends to a depth of approximately 200 feet (Nicholson and Clebsch, 1961). The Ogallala can be viewed in the excavated leach field pit at the Pool Hobbs facility to a depth of approximately 15 feet. The strata consists of thinly interbedded semi-consolidated sand and well indurated hard caliche (Combest, 1995). The soils in the site vicinity are reported to be Kimbrough Series (Turner, et al., 1974). Kimbrough soils are generally consists of dark grayish brown well-drained loams and gravelly loams which overlie indurated caliche at a depth of 6-20 inches. Kimbrough soils have permeabilities in the range of 0.63-2.0 inches per hour, have a low shrink-swell potential and are slightly corrosive to uncoated steel.

According to a local water well driller the Ogallala extends to a depth of approximately 200 feet in the area and depth to groundwater is approximately 65 feet below ground surface (Eades Water Well Drilling Company, Pers. Comm., 1995). Water for the Pool Hobbs Facility is provided by a well (Figure 2) producing from the Ogallala. However, no drillers log or recent water quality analysis was available from the well located on the premises. An analysis of a combination of public supply wells in Hobbs is provided in Appendix F (Pierce, 1980).

Flooding potential at the site is considered low based on the annual average precipitation total for the Lea County area and historic observations. The site is relatively flat and apparently drains toward the south-southeast toward the highway. Very little runoff occurs from the site except during the most severe storm events. There are no flood prevention measure employed at the site.

Part B- Additional Geologic and Hydrogeologic Information

There are no leach fields, unlined surface impoundments or pits used for any type of effluent or waste disposal located on the premises of the Pool Company Hobbs Facility. Based on the depth to groundwater, the relatively low permeability of the soils and underlying strata in the vicinity and the lack of discharge occurring on the premises, no additional information is required.



LEGEND

Q2	Quaternary alluvium, dunes and terraces
Q1	Blackwater Draw Fm. (Quaternary)
T6	Ogallala Fm. (Tertiary)

New Mexico Geological Society (1982)

GEOLOGIC MAP

FIGURE 3

Pool Company
5730 Carlsbad Highway
Hobbs, New Mexico
TDI Project No. 95-172

TERRA DYNAMICS INC

13.0 Additional Compliance Information

This section contains additional information demonstrating compliance with OCD rules and regulations. As mentioned previously Pool Company operated a wash rack which discharged through a floor sump and drain into an unlined leach field from approximately 1986 through 1994. Upon discovery of the discharge situation, Pool excavated and closed the leach field as outlined in the March 8, 1995 Closure Report submitted to the OCD and included as Appendix E of this application. The closure report was reviewed by the OCD and closure was deemed satisfactory in a letter to Pool dated April 28, 1995 (Appendix E). Final closure of the site is expected when the bioremediation and disposition of the excavated soils is complete.

There have been no reported spills at the Pool Company Hobbs Facility.

14.0 References

COMBEST GEOsciences, 1993, Stormwater Pollution Prevention Plan for Pool Company Hobbs, New Mexico

COMBEST GEOsciences, 1995, Closure of Unlined Surface Impoundment at Pool Company Hobbs, New Mexico

New Mexico Geological Society, 1982, New Mexico Geologic Highway Map

New Mexico Water Quality Control Commision, 1993, Regulations, Sante Fe, New Mexico, 94 pp.

Nicholson, A. Jr., and Clebsch, A. Jr., 1961, Geology and Ground-Water Conditions in Southern Lea County, New Mexico; State Bureau of Mines and Mineral Resources Groundwater Publication No. 6, 118 pp.

Pierce, S. T., 1980, Chemical Quality of New Mexico Community Water Supplies, New Mexico Environmental Improvement Division Water Supply Section.

U. S. Geologic Survey, 1969, Topographic Map, Hobbs West, New Mexico Quadrangle, (Photorevised 1979).

Turner, M. T., Cox, D. N., Mickelson, B. C., Roath, A. J., and Wilson, C. D., 1974, Soil Survey of Lea County, New Mexico: United States Department of Agriculture, Washington, D. C., 89 pp.

State of New Mexico
ENERGY, M RALS and NATURAL RESOURCES DE RTMENT
Santa Fe, New Mexico 87505

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

February 7, 1995

CERTIFIED MAIL
RETURN RECEIPT NO.Z-765-962-640

Mr. Tim Parker
POOL CO.(TX) Inc.
P.O. Box 1198
Hobbs, NM 88240

RE: Discharge Plan Requirement
Hobbs Facility
Lea County, New Mexico

Dear Mr. Parker:

Under the provision of the Water Quality Control Commission (WQCC) Regulations, you are hereby notified that the filing of a discharge plan is required for the POOL CO. (TX) facility located at 5730 Carlsbad HWY Hobbs, New Mexico.

The discharge plan is required pursuant to Section 3-104 and 3-106 of the WQCC regulations. The discharge plan, defined in Section 1.101.Q of the WQCC regulations should cover all discharges of effluent or leachate at the facilty site or adjacent to the facility site. Included in the plan should be plans for controlling spills and accidental discharges at the facility, including detection of leaks in buried underground tanks and\or piping.

Pursuant to Section 3-106.A, a discharge plan should be submitted for approval to the OCD Director within 120 days of receipt of this letter. Three copies of the discharge plan should be submitted.

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

A copy of the regulations have been provided for your convenience. Also provided is an OCD guideline for the preparation of discharge plans at oil & gas service companies. The guideline addresses berming of tanks, curbing and paving of process areas susceptible to leaks or spills and the disposition of any solid wastes.

The discharge plan is subject to the WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty (50) dollars plus the flat rate of one thousand, three hundred and eighty ($1380) dollars for oil & gas service companies. The fifty (50) dollar filing fee is due when the discharge plan is submitted. The flat rate fee is due upon approval of the discharge plan.

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

If there are any questions on this matter, please feel free to contact Patricio Sanchez at 827-7156 or Roger Anderson at 827-7152.

Sincerely,

William J. LeMay
Director

WJL/pws

XC: OCD Hobbs Office

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
• Complete items 1 and/or 2 for additional services.
• Complete items 3, and 4a & b.
• Print your name and address on the reverse of this form so that we can return this card to you.
• Attach this form to the front of the mailpiece, or on the back if space does not permit.
• Write "Return Receipt Requested" on the mailpiece below the article number.
• The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:
Mr. Tim Parker
POOL CO. (TX) Inc.
P.O. Box 1198
Hobbs, N.M. 88240

4a. Article Number
Z 765 962 640

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Signature (Addressee)

6. Signature (Agent)

7. Date of Delivery

8. Addressee's Address (Only if requested and fee is paid)

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery
Consult postmaster for fee.

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 **DOMESTIC RETURN RECEIPT**

for using Return Receipt Service.

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

June 14, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-706

Mr. Tim Parker
POOL CO.(TX) Inc.
P.O. Box 1198
Hobbs, New Mexico 88240

RE: NOTICE OF VIOLATION
POOL CO.(TX) Inc.
LEA COUNTY, NEW MEXICO

Dear Mr. Parker:

Under the provisions of the New Mexico Water Quality Control Commission (WQCC) Regulations, you were notified by a certified letter dated February 7, 1995 from the Oil Conservation Division (OCD) that the filing of a discharge plan is required for your existing facility at 5730 Carlsbad HWY Hobbs , New Mexico. The letter required a submittal of the discharge plan within 120 days (by June 12, 1995) of receipt of the above mentioned notification.

As of the date of this letter, the OCD has not received any response from POOL CO.(TX) Inc. to the request from the OCD for the filing of a discharge plan. This is in violation of the New Mexico Water Quality Act (Chapter 74, Article 6 NMSA 1978). Continued violation could subject you to the penalty provisions provided in Section 74-6-10 NMSA 1978 of the Water Quality Act and you may be assessed civil penalties up to the amount of fifteen thousand ($15,000) dollars per day.

The discharge plan requirement and notification thereof are set forth in sections 3-104 and 3-106 of the WQCC Regulations. The discharge plan, defined in 1-101.Q. of the WQCC Regulations, should cover all discharges of effluent or leachate at the facility or adjacent to the facility site.

POOL CO. (TX) Inc. must submit the required discharge plan to the OCD Santa Fe Office no later than July 19, 1995. Failure to respond by that date may subject POOL CO.(TX) Inc. to the violation action referenced above from the date the discharge plan was originally due in this office, June 12, 1995.

Contact Patricio W. Sanchez at (505) 827-7156 if you have any questions as he is assigned responsibility for review of this service facility discharge plan.

Sincerely,

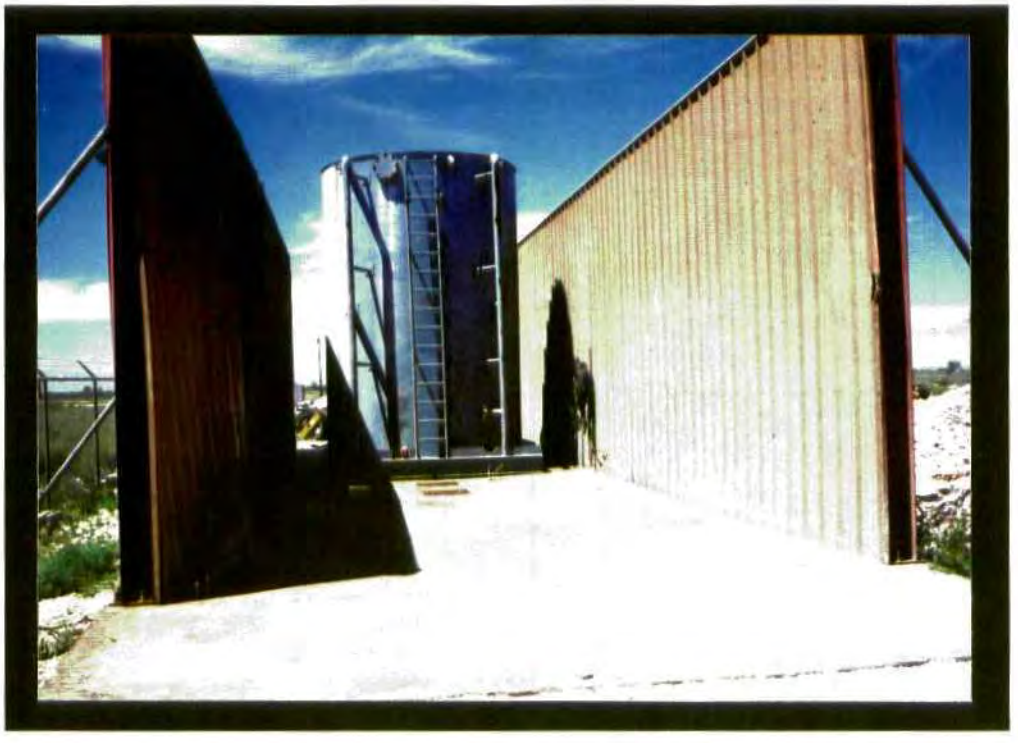
by Ron Mercer - Deputy Director

William J. LeMay
Director

xc: Wayne Price

Photograph #1- Typical view of the Pool Company Hobbs Facility looking north from the frontage of Carlsbad Highway (Highway 62-180).

Photograph #2- Typical view of the Pool Company Hobbs Facility looking south from the northeast portion of the property. Note hangers associated with the Lea County Hobbs Airport adjacent to the south of the site across Carlsbad Highway.



Photograph #3- View of the abandoned wash rack in the west-central portion of the Pool Company Hobbs Facility. Note the large, empty, above ground storage tank stored within the confines of the rack.

Photograph #4- View of the Scurlock-Permian brine mining operation and storage tanks located adjacent to the east of the Pool Company facility.

Photograph #5- View of the Bulk Chemical Storage Area identified as Area #1 on the Facility Diagram. Note the secondary containment basin and the concrete pad.

Photograph #6- View of the Safety Kleen serviced solvent sink located in Chemical Storage Area #2 identified on the Facility Diagram.

Photograph #7- View of the Chemical and Parts Storage Trailer identified as Area #4 on the Facility Diagram. The trailer is a converted 500-barrel steel construction frac tank.

Photograph #8- View inside of the Chemical and Parts Storage Trailer described above.

Photograph #9- View of the Waste Chemical Storage Area identified on the Facility Diagram. Note the secondary containment basin for the steel construction waste oil tank.

Photograph #10- View of the dumpster serviced by Waste Management and used for solid waste disposal at the facility.

MATERIAL SAFETY DATA SHEET

VARSOL SOLVENT

MATERIAL SAFETY DATA SHEET CLASOL 30 Regular Naptha	Pg 1 of 6 Rev. Date 09/09/91

Company Contact: Fritz Howes
Manager, Environmental & Safety Affairs
Dubach Gas Company
P.O. Box 170
Lisbon, LA 71040

Phone Number: (318) 353-2283

Emergency Contact: INFOTRAC
Emergency Phone Number: (800) 535-5053

SECTION #1 - IDENTIFICATION

Product: CLASOL 30 VARSOL

Chemical Family: Petroleum hydrocarbons

Synonyms: CS 30
Mineral Spirits
Mineral Thinner
Mineral Turpentine

NFPA Hazard Rating

- Health:	0	Negligible
- Fire:	2	Moderate
- Reactivity:	0	Negligible

Refer to DOT "1990 Emergency Response Guidebook", Guide No. 27 for emergency response information regarding this product.

SECTION #1B - SHIPPING INFORMATION

Proper DOT Shipping Name: PETROLEUM OIL, n.o.s. (MINERAL SPIRITS)
Hazard Class: COMBUSTIBLE LIQUID
DOT Identification Number: NA1270
DOT Shipping Label: NONE

Precautionary Label (OSHA)

COMBUSTIBLE LIQUID

Prolonged exposure to high vapor concentrations or contact with product can irritate eyes and/or skin, cause headaches, nausea, or CNS depression. Ingestion may cause abdominal irritation, vomiting and/or diarrhea. Persons with severe skin, liver and kidney problems should avoid use.

Target Organs: Skin, Central Nervous System, Eyes, Lungs

SECTION #2 - HAZARDOUS CONSTITUENTS

CAS #	Chemical Name	Percent of Mixture (Wt.)
1330-20-7	Xylene, Mixed Isomers	< 2.0

SECTION #3 - PHYSICAL DATA

Boiling Point: 315 °F 157 °C
Vapor Pressure: 7.8 mm Hg
Vapor Density (Air=1): 5.10
Specific Gravity: 0.79
Solubility (H2O): Negligible
Evaporation rate (Ether = 1): 58.9

Appearance

Water-white liquid

Odor

Mild petroleum odor

SECTION #4 - FIRE FIGHTING & EXPLOSION DATA

Flash Point: 112 °F 74 °C TCC

Lower Explosive Limit (%): 0.8

Fire and Explosion Hazards

Closed containers may explode if exposed to extreme heat.

Extinguishing Media

Use NFPA Class B extinguisher (CO_2 or foam).

Special Fire Fighting Instructions

Move container from fire area, if safely feasible.

Apply cooling water to sides of containers that are exposed to flames until fire is well out. Stay away from ends of tanks.

If water is used, fog nozzles are preferred. Water spray may be ineffective on fire, but can protect fire fighters and cool closed containers.

Do not enter confined fire-space without full bunker gear (helmet w/face shield, bunker coats, gloves and rubber boots) and NIOSH approved positive-pressure, self-contained breathing apparatus (SCBA) when fighting this product fire.

SECTION #5 - EXPOSURE EFFECTS and FIRST AID

Route of Exposure - Inhalation

Prolonged exposure to high vapor concentrations or product mist can cause irritation to the nose, throat and lungs. High vapor concentrations exhibit anesthetic characteristics and can cause headache, nausea, CNS depression and stupor.

First Aid - Inhalation

Remove victim to fresh air. If victim exhibits difficulty breathing administer oxygen. If breathing stops administer CPR and get immediate medical attention.

Route of Exposure - Skin

Prolonged product contact can cause primary irritation, defatting and/or dermatitis.

First Aid - Skin

Remove product-wetted, non-impervious clothing and shoes. Thoroughly wash exposed skin with soap and warm water.

Route of Exposure - Eyes

Exposure to high vapor concentrations or product mist can cause irritation, redness, tearing and/or blurred vision.

First Aid - Eyes

Flush eyes with large quantities of water for at least 15 minutes. Get immediate medical attention.

Route of Exposure - Ingestion

Swallowing can cause irritation of the stomach and intestines, nausea, vomiting, and diarrhea.

First Aid - Ingestion

GET IMMEDIATE MEDICAL ATTENTION

Do NOT induce vomiting. Aspiration of vomitus can cause serious chemical and/or lipoidal pneumonitis, particularly in young children.

Keep victim quiet and warm until aid arrives.

SECTION #6 - REACTIVITY AND POLYMERIZATION

Stability: STABLE

Conditions to Avoid (Stability)

Isolate from oxidizers, extreme heat and open flame.

Incompatible Materials

Isolate from strong oxidizers such as permanganates, chromates, and peroxides.

Hazardous Decomposition Products

Carbon dioxide and carbon monoxide from combustion.

Conditions to Avoid (Polymerization)

N/A

Hazardous Polymerization: WILL NOT OCCUR

SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES

Steps to be Taken in The Event of Spills, Leaks, or Release

Shut off ignition sources; no flares, smoking or flames in spill area

Stop leak if safely feasible.

Small quantities: Collect product using absorbent materials and place in proper containers as outlined below.

Large quantities: Dike area to contain product and to prevent migration offsite. Recover spilled liquid for reuse, if possible. Non-recoverable or reusable liquids, used absorbent materials, and contaminated soils should be collected and placed in a RCRA/DOT approved storage container for ignitable wastes.

Waste Disposal Methods

Waste materials should be treated as "D001" hazardous waste (ignitable) until a waste characterization is completed. Follow all local, state, and federal regulations for storage and disposal of this waste. Questions regarding regulations concerning waste characterization and proper disposal should be directed to the appropriate government agency.

(cont.)

SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES (continued)

SARA Title III Notifications and Information

SARA Title III - Hazard Classes:

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

SARA Title III - Section 313 Supplier Notification:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent of Mixture (Vol.)
1330-20-7	Xylene, Mixed Isomers	< 2.0

This information must be included on all MSDS's that are copied and distributed for this material.

Other Environmental Information

Spilled/leaked product which reaches a ditch of other waterway should be reported to the appropriate local, state, and federal agencies.

SECTION #8 - SPECIAL PROTECTIVE MEASURES

Ventilation

Ventilate to keep air below 50 ppm product. Use local exhaust where necessary. Mechanical exhaust is acceptable; use explosion proof equipment.

Eye Protection

Wear NIOSH approved chemical splash monogoggles and /or face shield.

Skin Protection

Wear gloves, sleeves, apron and footwear impervious to this product. Consult safety equipment supplier for available materials. Wash contaminated protective clothing before reuse.

Respiratory Protection

Use NIOSH approved organic vapor respirators for concentrations above 50 ppm. Emergency entry to confined space requires self-contained, positive pressure breathing apparatus (SCBA).

SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING

Storage & Handling Conditions

DO NOT STORE ABOVE 120 °F/49 °C

Keep containers tightly closed.

Ground containers/vehicles when transferring product. Avoid free fall of liquid.

Empty containers very hazardous! Do NOT flame cut, braze or weld. Continue all label precautions.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Although reasonable care has been taken in the preparation of this document, Dubach Gas Company extends no warranties and makes no representations as to the accuracy or completeness of the information contained therein, and assumes no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

MATERIAL SAFETY DATA SHEET

METHANOL

Novacor

METHANOL LABEL INFORMATION
CAS Registry Number: 67-56-1

FLAMMABLE LIQUID, EYE IRRITANT, INGESTION HAZARD

RISK PHRASES

- Eliminate all ignition sources, stop spill and use absorbent materials.
- Burns with a clean clear flame which is almost invisible in daylight.
- Eye irritant. Toxic by ingestion.

PRECAUTIONARY MEASURES

- In confined areas, local and general ventilation should be provided to maintain airborne concentrations below permissible exposure limits.
- Electrically ground and bond containers when transferring is taking place.
- Face shield and safety glasses with side shield when transferring is taking place.
- Wear chemical resistant pants and jackets, preferably neoprene.
- Store in totally enclosed equipment, designed to avoid human contact.

FIRST AID MEASURES

- Remove to fresh air, restore or assist breathing, obtain medical attention immediately.
- Dilute stomach contents by giving large amounts of water or milk and induce vomiting. Seek medical attention.
- Flush eyes immediately with gently running water for 15 minutes, ensuring all surfaces and crevices are flushed. Obtain medical attention if necessary.
- Remove clothing and wash under shower with soap and water for 15 minutes. Seek medical attention if irritation occurs.

- **Read the Material Safety Data Sheet before using this product.**

- **EMERGENCY TELEPHONE NUMBER: 1-403-527-8141**

NOVACOR CHEMICALS INC., 1 Gatehall Drive, Parsippany, New Jersey, USA, 07054.

Novacor

METHANOL MATERIAL SAFETY DATA SHEET

1. PRODUCT INFORMATION

Product Name	METHANOL
Trade Name/Synonyms	Methyl alcohol, methyl hydrate
WHMIS Classification	B2, D1A
U.N. Number	1230
TDG Classification	TDG Class 3.2 and 6.1, Packing Group II
Product Use	Solvent, fuel, feedstock
Emergency Phone No.	1-403-527-8141

2. HAZARDOUS COMPONENTS

	Wt. %	CAS No.	LD50	LC50
Methyl Alcohol	99.85%	67-56-1	6.2-13.0 g/kg (Oral, rat) 20 ml/kg (Dermal, rabbit)	64,000 ppm (Rat, Inhal.)

3. POTENTIAL HEALTH EFFECTS

Skin Contact: Yes **Skin Absorption:** Yes **Eye Contact:** Yes

Ingestion: Yes **Inhalation:** Yes

Exposure Limits	Methyl alcohol: ACGIH TLV-TWA = 200 ppm, STEL = 250 ppm - Skin notatio OSHA PEL = 200 ppm, STEL = 250 ppm - Skin
Irritancy of Product	1000 ppm in air may cause irritation of mucous membrane
Sensitization	No
Synergism with	Not available
Short Term Effects	Swallowing even small amounts of methanol can cause blindness and death other effects may be nausea, headache, abdominal pain, vomiting and visual disturbances ranging from blurred vision to light sensitivity. Inhalation of high airborne concentration can also irritate mucous membranes, cause headaches, sleepiness, nausea, confusion, loss of consciousness, digestive and visual disturbances and death. NOTE: The odor threshold of methanol is several times higher than the TLV-TWA. High vapor concentration or liquid contact causes irritation, tearing and burning. May be absorbed through the skin in toxic or lethal amounts. Causes mild irritation, redness, cracking and drying.
Long Term Effects	Repeated exposure by inhalation or absorption may cause systemic poisoning, brain disorders, impaired vision and blindness. Inhalation may worsen conditions such as emphysema or bronchitis. Repeated skin contact may cause irritation, dryness and cracking.
Reproductive Effects	Reported to cause birth defects in rats exposed to 20,000 ppm
Teratogenicity	No
Mutagenicity	No
Carcinogenicity	Not listed with IARC, NTP, ACGIH or OSHA as a carcinogen

Novacor

METHANOL MATERIAL SAFETY DATA SHEET

4. FIRST AID INFORMATION

Skin	Remove contaminated clothing and wash under shower with soap and water f 15 minutes. Seek medical attention if irritation occurs.
Eye	Flush immediately with gently running water for 15 minutes, ensuring all surfaces and crevices are flushed. Obtain medical attention.
Inhalation	Remove to fresh air, restore or assist breathing if necessary, obtain medical attention immediately.
Ingestion	Swallowing methanol is life threatening. If conscious and medical aid is not immediately available, dilute stomach contents by giving large amounts of wat or milk and induce vomiting. Transport to medical attention immediately.

5. FIRE AND EXPLOSION HAZARD

Flammable/Combustible (yes/no)	Yes
If yes, under what conditions?	In the presence of an ignition source.
Extinguishing Media	Water spray, dry powder, AFFF (Aqueous Film Forming Foam). ,Alcohol resistant type with 6% foam proportioning equipment or CO_2
Special Firefighting Instructions	Methanol burns with a clean clear flame which is almost invisible in daylight. Concentrations of greater than 20% methanol in water can be ignited. Water may be ineffective depending upon depth of methanol burning. Use fine wate spray or fog to control fire spread and cool structures or containers. Fire fighters must wear full face, positive pressure, self-contained breathing apparatus or airline and appropriate protective clothing.
Flashpoint and Method	11° C (52° F)(TCC)
Lower Explosive Level (% volume)	6 %
Upper Explosive Level (% volume)	36 %
Auto Ignition Temp.	385° C (725° F)
Impact/Shock Sensitivity	Not available
Rate of Burning	Not available
Sensitivity to Static Discharge	Low
Hazardous Combustion Products	Toxic gases and vapors; oxides of carbon and formaldehyde.

6. REACTIVITY DATA

Chemically Stable (yes/no)	Yes
If no, under what conditions?	Not applicable
Incompatible with other substances	Yes
If yes, which ones?	Strong oxidizers, strong acids, strong bases. May be corrosive to lead and aluminum
Conditions of Reactivity	Presence of incompatible materials and ignition sources.
Hazardous Decomposition Products	Formaldehyde and carbon monoxide

7. SPILL AND LEAK RESPONSE

Spill or Leak Response	Extremely flammable liquid. Release can cause an immediate fire/explosion hazard. Eliminate all ignition sources, stop spill and use absorbent materials necessary, contain spill by diking. Maximize methanol recovery for recycling reuse if applicable. Collect liquid with explosion proof pumps. For small sp collect with a non-combustible sorbent. Recover methanol or dilute with wa to reduce fire hazard. Prevent it from entering sewer, confined spaces, drair or waterways. Restrict access to unprotected personnel. Full-face, positive pressure self- contained breathing apparatus or airline and protective clothin must be worn.
Waste Disposal	Incineration is the recommended disposal method. Biodegradation may be used on dilute aqueous waste methanol. Methanol wastes are not suitable f underground injection. Waste materials must be disposed of in accordance with your municipal, state, provincial and federal regulations. Contact the proper authorities for specific instructions or contact the 24 HOUR EMERGENCY NUMBER: (403) 527-8141.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls	In confined areas, local and general ventilation should be provided to mainta airborne concentrations below permissible exposure limits. Ventilation syste must be designed according to approved engineering standards.

PERSONAL PROTECTIVE EQUIPMENT

Gloves	Butyl and nitrile rubbers are recommended. Check with glove manufacturer.
Respiratory	NIOSH approved supplied air respirators; NIOSH approved cartridges to the best of our knowledge are NOT available because of poor warning propertie
Eye	Face shield and safety glasses with side shield when transferring is taking pl
Footwear	Chemical resistant.
Clothing	Wear chemical resistant pants and jackets, preferably butyl or nitrile rubber. Check with manufacturer.
Other	Not available

PPE must not be considered a long term solution to exposure control. PPE must be accompanied by emplc programs to properly select, maintain, clean, fit and use. Consult a competent industrial hygiene resource tc determine hazard potential and/or the PPE manufacturers to ensure adequate protection.

9. STORAGE AND HANDLING REQUIREMENTS

Storage	Store in totally enclosed equipment, designed to avoid ignition and human contact. Tanks must be grounded and vented and should be nitrogen blanketed. Tanks must be diked. Avoid storage with incompatible materials
Handling	No smoking or open flame in storage, use or handling areas. Use explosior proof electrical equipment. Ensure proper electrical grounding procedures a in place.
Shipping Information	All shipments of methanol must be properly classified, described, packaged, marked and labelled to conform with regulations set by Transport Canada, Transportation of Dangerous Goods Regulations and U.S. Department of Transport (DOT), Bureau of Explosives and Hazardous Materials Regulations

10. PHYSICAL DATA

Physical State	Liquid
Odor	Slight alcohol odor
Odor Threshold	2000 ppm, irritation at 1000 ppm, poor warning properties
Appearance	Clear, colorless
Specific Gravity	0.792 (H_2O = 1)
Freezing Point	-97.8° C (-144° F)
Boiling Point	64.5° C (148° F)
Vapor Pressure	96 mm Hg at 20° C (68° F)
Vapor Density (air=1)	1.105 at 15° C (59° F)
Evaporation Rate (n-Butyl acetate=1)	2.1
Volatile, Percent by Volume	100%
Solubility in Water at 20° C	Soluble
pH	Not available
Water/Oil Distribution Coefficient	Readily soluble in water, separates from oil.

11. REGULATORY INFORMATION

Transportation	Canadian TDG: Methanol, Flammable Liquid, 3.2 (6.1), UN 1230, Packing Group II USA DOT: Methyl Alcohol (RQ 5000/2270), Flammable Liquid, UN 1230
WHMIS - Canada	B2, D1A
OSHA - USA	Hazardous according to 29 CFR 1910.1200
Other	OSHA 29 CFR 1910.1200: Hazardous NFPA Rating: Health = 1, Fire = 3, Reactivity = 0

12. SUPPLEMENTAL INFORMATION

NOTES TO PHYSICIAN: Acute exposure to methanol, either through ingestion or breathing very high airborn concentrations can result in symptoms appearing between 40 minutes and 72 hours. Symptoms and signs ar usually limited to the CNS eyes and gastrointestinal tract. Because of the initial CNS's effects of headache, vertigo, lethargy and confusion, there may be an impression of ethanol intoxication. Blurred vision, decreasec acuity and photophobia are common complaints. Treatment with Ipecac or lavage is indicated in any patient presenting within two hours of ingestion. A profound metabolic acidosis occurs in severe poisoning and seru bicarbonate levels are a more accurate measure of severity than serum methanol levels. Treatment protocols are available from most major hospitals and early collaboration with appropriate hospitals is recommended.

METHANOL MATERIAL SAFETY DATA SHEET

13. PREPARATION INFORMATION

Prepared by	Novacor Chemicals Ltd. Toxicology and Product Safety P.O. Box 2535, Station M Calgary, Alberta T2P 2N6 Telephone: 1-403-290-6023
Date of Issue	November 16, 1992
Previous Issue	July 17, 1992
References Used	American Conference of Governmental Industrial Hygienists, Documentation Threshold Limit Values, 1991-1992 Proctor & Hughes Chemical Hazards of the Workplace (1978) CCOHS 92-2 and Methanol Chemical Infogram Clinical Toxicology of Commercial Products, 5th Edition Dangerous Goods Initial Emergency Response Guide 1992, Transport Canac

☞ Indicates the location of a change from the previous issue of this MSDS.

For additional copies of this MSDS, please call (403)-527-8141 extension 225

The above represents our present knowledge about this product. Work is continuing to assess the properties and characteristics for compliance under new governmental laws and regulations as they are ratified.

MATERIAL SAFETY DATA SHEET

SAFETY-KLEEN PREMIUM SOLVENT

SAFETY-KLEEN PREMIUM SOLVENT

MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 1 -- PRODUCT AND PREPARATION INFORMATION

PRODUCT INFORMATION

IDENTITY (TRADE NAME): SAFETY-KLEEN PREMIUM SOLVENT

SYNONYMS: Parts Washer Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha, Solvent; Stoddard Solvent; Mineral Spirits

SK PART NUMBER(S): 6605

FAMILY/CHEMICAL NAME: Petroleum hydrocarbon

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONE	*MEDICAL:*	*TRANSPORTATION:*
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	1-800-752-7869 (U.S.A.) 1-312-942-5969 (CANADA) RUSH POISON CONTROL CENTER CHICAGO, ILLINOIS, U.S.A.	1-708-888-4660 (U.S.A.) SAFETY-KLEEN ENVIRONMENT, HEALTH AND SAFETY DEPARTMENT 1-613-996-6666 (CANADA) CANUTEC

MANUFACTURER/SUPPLIER: Safety-Kleen Corp. - 1000 North Randall Road - Elgin, IL, U.S.A. 60123-7857
Telephone number: 1-800-669-5840
Safety-Kleen Canada Inc. - 300 Woolwich Street South - Breslau, ON, Canada N0B 1M0
Telephone number: 1-800-265-2792

PREPARATION INFORMATION

MSDS FORM NO.: 82529 ***REVISION DATE:*** February 2, 1994

ORIGINAL ISSUE DATE: January 7, 1993 ***SUPERSEDES:*** February 11, 1993

PREPARED BY: Product MSDS Coordinator ***APPROVED BY:*** MSDS Task Force

TELEPHONE NUMBER: For Product Technical Information Call 1-312-694-2700 (U.S.A.); 1-519-648-2291 (Canada)

SECTION 2 -- HAZARDOUS COMPONENTS

NAME	SYNONYM	CAS NO.	WT%	OSHA PEL TWA	OSHA PEL STEL	ACGIH TLV TWA	ACGIH TLV STEL	OTHER DATA LD[a]	OTHER DATA LC[b]
Distillates (petroleum) hydrotreated light	Solvent naphtha (petroleum), heavy aliph., hydrotreated	64742-47-8[e,f]	100	500[c,d] ppm	N.Av.	100[c] ppm	N.Av.	>5000	>5500[e] mg/m^3/4 hours

N.Av. = Not Available
[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]For Stoddard Solvent CAS 8052-41-3
[d]Reference source 1910.1000 29 CFR Ch. XVII (7-1-92 edition): 100 ppm TWA
[e]For Stoddard Solvent: 29500 mg/m^3 (approximately 5000 ppm) IDLH
[f]For Petroleum Distillates: 10000 ppm IDLH

SAFETY-KLEEN PREMIUM SOLVENT

MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

EYES: For direct contact, flush eyes with water for 15 minutes lifting upper and lower lids occasionally. If irritation or redness from exposure to vapor or mist develops, move victim away from exposure into fresh air. Consult physician if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin twice with soap and water. Consult physician if irritation or pain persists.

INHALATION: (Breathing) Remove to fresh air immediately. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.

INGESTION: (Swallowing) Seek immediate medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid aspiration (breathing) into the lungs.

SPECIAL NOTE TO PHYSICIAN: Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Contact Rush Poison Control Center (see Section 1) for additional medical information.

SECTION 4 -- HEALTH HAZARD DATA AND TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF EXPOSURE: Eye and skin contact; inhalation, ingestion.

EXPOSURE LIMITS: See Section 2.

SIGNS AND SYMPTOMS OF EXPOSURE

ACUTE: ***Eyes:*** Contact with liquid or exposure to vapors may cause mild to moderate irritation with watering, stinging, or redness.

Skin: Contact with liquid or exposure to vapors may cause mild to severe irritation. Contact with liquid or exposure to vapors may cause redness, drying, cracking, burning, or dermatitis. No significant skin absorption hazard.

Inhalation (Breathing): High concentrations of vapor or mist may irritate the nose, throat, or respiratory tract. High concentrations of vapor or mist may cause nausea, vomiting, or irregular heartbeat. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, unconsciousness, and other central nervous system effects. Massive acute exposure may result in rapid central nervous system depression with sudden collapse, deep coma, and death.

Ingestion (Swallowing): Low order of acute oral toxicity. May cause throat irritation; nausea, vomiting, myocardial (muscular tissue of the heart) injury, arrhythmias (irregular heartbeats), and symptoms of central nervous system effects as listed for *ACUTE Inhalation*. Breathing material into the lungs during ingestion or vomiting may cause mild to severe pulmonary (lung) injury and possibly death.

CHRONIC: Prolonged or repeated eye contact may cause conjunctivitis. Prolonged or repeated skin contact may cause drying, cracking, dermatitis, or burns.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing lung, cardiac, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CARCINOGENICITY: Not applicable.

OTHER POTENTIAL HEALTH HAZARDS: The following information is required by Canadian WHMIS regulations. Irritancy is covered in Signs and Symptoms of Exposure in Section 4. There is no known human sensitization, toxicologically synergistic product, reproductive toxicity, mutagenicity, or teratogenicity associated with this product as a whole.

SAFETY-KLEEN PREMIUM SOLVENT

MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE GUIDE NUMBER:	*27* Reference *1993 Emergency Response Guidebook* (RSPA P 5800.6)
FIRE AND EXPLOSION HAZARDS:	Decomposition and combustion products may be toxic. Heated containers may rupture, explode, or be thrown into the air. Vapors are heavier than air and may travel great distances to ignition source and flash back. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.
FIRE FIGHTING PROCEDURES:	Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.
EXTINGUISHING MEDIA:	Carbon dioxide, foam, dry chemical, or water spray.
CONDITIONS OF FLAMMABILITY:	Heat, sparks, or flame.
FLASH POINT:	150°F (66°C) (approximately) Tag Closed Cup
AUTOIGNITION TEMPERATURE:	440°F (227°C) (minimum)
FLAMMABLE LIMITS IN AIR:	*LOWER:* 1.0 Vol. % *UPPER:* 9.3 Vol. %
HAZARDOUS COMBUSTION PRODUCTS:	Burning may produce carbon monoxide.

SECTION 6 – REACTIVITY DATA

STABILITY:	Stable under normal temperatures and pressures, and not reactive with water.
INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):	Avoid strong acids, bases, or oxidizing agents. Chlorine may cause a violent reaction. Avoid heat, sparks, or flame.
HAZARDOUS POLYMERIZATION:	Not known to occur under normal temperatures and pressures.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal temperatures and pressures.

SECTION 7 – PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTIONS:	Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. When transferring material, metal containers, including tank cars and trucks, should be grounded and bonded. Avoid contact with eyes, skin, clothing, or shoes. Use in well ventilated area and avoid breathing vapor or mist.
PERSONAL HYGIENE:	Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.
SHIPPING AND STORING PRECAUTIONS:	Keep container tightly closed when not in use and during transport. Do not pressurize, drill, cut, heat, weld, braze, grind, or expose containers to flame or other sources of ignition. Empty product containers may contain product residue. See Section 9 for Packing Group information.

SPILL PROCEDURES:	Remove all ignition sources. Stop leak if you can do it without risk. Wear protective equipment specified in Section 7, CONTROL MEASURES. Ventilate area and avoid breathing vapor or mist. Water spray may reduce vapor, but it may not prevent ignition in closed spaces. For large spills, isolate area and deny entry; dike far ahead of liquid spill for later disposal. Contain away from surface waters and sewers. If possible, contain as a liquid for possible re-refining or sorb with compatible sorbent material and shovel with a non-sparking tool into closable container for disposal. See *1993 Emergency Response Guidebook* (RSPA P 5800.6) Guide Number 27 for more information.
WASTE DISPOSAL METHODS:	Dispose in accordance with federal, state, provincial, and local regulations. Contact Safety-Kleen regarding recycling or proper disposal.

CONTROL MEASURES

EYE PROTECTION:	Where there is likelihood of eye contact, wear chemical goggles; do NOT wear contact lenses.
PROTECTIVE GLOVES:	Use Nitrile, Viton®, or equivalent gloves to prevent contact with skin. Use of Butyl rubber, natural rubber, or equivalent gloves is not recommended.
RESPIRATORY PROTECTION:	Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the U.S.A. with OSHA General Industry Standard 29 CFR 1910.134 or in Canada with CSA Standard Z94.4-M1982.
ENGINEERING CONTROLS:	Provide process enclosure or local ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.
OTHER PROTECTIVE EQUIPMENT:	Where spills and splashes are possible, wear appropriate solvent-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 8 – PHYSICAL DATA

PHYSICAL STATE, APPEARANCE AND ODOR:	Liquid, clear and colorless (water white), with characteristic hydrocarbon odor.
ODOR THRESHOLD:	30 ppm (based on Stoddard Solvent)
SPECIFIC GRAVITY:	0.78 to 0.82 (60°/60°F) (15.6°/15.6°C) (water = 1)
DENSITY:	6.5 to 6.8 lb/US gal (780 to 820 g/l)
VAPOR DENSITY:	5.3 to 6.2 (air = 1)
VAPOR PRESSURE:	0.4 to 1 mm Hg at 68°F (20°C)
BOILING POINT:	350° to 470°F (177° to 244°C)
FREEZING POINT:	less than -45°F (-43°C)
pH:	Not applicable.
VOLATILE ORGANIC COMPOUNDS: (US EPA DEFINITION)	100 WT%; 6.5 to 6.8 lb/US gal; 780 to 820 g/l
EVAPORATION RATE:	less than 0.1 (butyl acetate = 1)
SOLUBILITY IN WATER:	Insoluble.

SAFETY-KLEEN PREMIUM SOLVENT

MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

COEFFICIENT OF WATER/OIL DISTRIBUTION:	less than 1
MOLECULAR WEIGHT:	155 to 180

SECTION 9 – OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA)
DOT CLASS:	Combustible Liquid
DOT ID NUMBER:	NA1993 PG III
TDG CLASSIFICATION:	Not regulated.
SARA TITLE III:	Product does not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Product poses the following physical and health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986: Immediate (Acute) Health Hazard Delayed (Chronic) Health Hazard Fire Hazard
WHMIS CLASSIFICATION:	B3, Flammable and Combustible Material, Combustible Liquids; D2B, Poisonous and Infectious Material, Materials Causing Other Toxic Effects, Toxic Material
TSCA:	All of the components for this product are listed on, or are exempted from the requirement to be listed on, the TSCA Inventory.
CALIFORNIA:	This product is not for sale or use in the State of California.

MATERIAL SAFETY DATA SHEET

PAINT THINNER

MATERIAL SAFETY DATA SHEET

HMIS Ratings

H 3
F 3
R 0
PPE H

For Coatings, Resins, and Related Materials
Replaces NPCA 1-82

Manufacturer's Name
Cactus Paint Manufacturing Company, Inc.
East Interstate 20 Big Spring, Texas 79721-1047

Date of Preparation
11-25-85

Emergency Telephone No.
Karl Brunson
(915) 267-6754

Information Telephone No.
(915) 267-8293
(915) 267-8294

Section I - Product Identification

Product Number: TH-3

Product Name: Thinner Number 3

Product Class: Paint Solvent

Section II - Hazardous Ingredients

Ingredient	% Volume	* Occupational Exposure Limits TLV PPM	* Occupational Exposure Limits PEL mg/m^3	Vapor Pressure mm Hg @ 20° C
Xylene	100.0	100		5.10

* TLV-PPM ACGIH Threshold Limit Value (8-hour Time Weighted Average)
PEL-Mg/M^3 OSHA Permissible Exposure Level (8-hour Time Weighted Average

Section III - Physical Data

Boiling Range: 279-284°F

Vapor Density: Heavier than air

Evaporation Rate: Slower than Ether

% Volatile Volume: 100.0

Wt. Gal: 7.24 lbs/gal.

Section IV - Fire and Explosion Hazard Data

Flammability Classification	OSHA	Flammable Liquid Class 1C	Flash Point	81°F Setaflas
	DOT	Flammable Liquid	LEL	1.0 %

Extinguishing Media

Regular Foam, Carbon Dioxide, Dry Chemical

Unusual Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or may be moved by vintilation and ignited by pilot lights, other flames, sparks, heaters, motors, smoking, static electrical discharge, or other ignition sources at locations distant from material handling point. Containers may rupture when exposed to extreme heat.

Special Firefighting Procedures

Firefighters should be equipped with a self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. Water may be ineffective as extinguishing media. If water must be used, a fog nozzle or spray mist nozzle is recommended. Water may be used to cool closed containers exposed to extreme heat to prevent pressure build-up and possible autoignition or explosion.

Section V - Health Hazard Data

Threshold Limit Value 100 PPM Vapors

Effects of Overexposure

ACUTE (short term) Can cause severe irritation to eyes and skin. Prolonged or repeated skin contact can cause defatting and dermatitis. Excessive inhalation can cause moderate nasal and respiratory irritation, dizziness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation. Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

CHRONIC (long term) Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and central nervous system damage. Overexposure to Xylene has apparently been found to cause the following effects in laboratory animals: Anemia, Liver Abnormalities, Kidney Damage, Eye Damage. Overexposure to Xylene has been suggested to cause the followning effects in humans: Cardiac Abnormality.

Medical Conditions Prone to Aggravation by Exposure

Respiratory Illness

Primary Route(s) of Entry

Inhalation and Ingestion

Emergency and First Aid Procedures

Eyes: Flush with large amounts of water, lifting upper and lower eyelids, for at least 15 minutes and get medical attention.

Skin: Thoroughly wash exposed area with soap and water. If irritation persists consult physician. Launder clothing before reuse.

Inhalation: If affected, remove person to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, administer artificial respiration, keep person warm and quiet, and get immediate medical attention.

Ingestion: DO NOT INDUCE VOMITING! Keep person warm and quiet. Get immediate medical attention. Aspiration of material into lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

Section VI - Reactivity Data

Stability Stable

Hazardous Polymerization
Will not occur

Hazardous Decomposition Products

Carbon Dioxide, Carbon Monoxide, Various Hydrocarbons

Conditions to Avoid

Excessive heat, flames, sparks, other ignition sources

Incompatibility (Materials to Avoid)

Strong Oxidizing Agents

Section VII - Spill or Leak Procedures

Steps To Be Taken In Case Material Is Released Or Spilled

Persons not wearing protective clothing and equipment should be excluded from area of spill until clean-up has been completed. Eliminate all ignition source Stop spill at source, dike area to prevent spreading, and pump material into a salvage drum or approved waste disposal container. Residue may be absorbed on inert absorbant material and shoveled into approved waste disposal containers. Waste containers should be stored away from all ignition sources and should be kept tightly sealed to prevent leakage. Waste from spills or use of this produ may be considered hazardous under Enviornmental Protection Agency definition. Consult EPA 40 CFR 261 for full discussion.

Waste Disposal

Destroy by liquid incineration. Contaminated absorbant material may be dispose of by landfill burial in accordance with local, state, and federal regulations.

Section VIII - Safe Handling and Use Information

Respiratory Protection If TLV or PEL of product is exceeded, a NIOSH/MSHA approved ai supplied respirator is advised in the absence of proper enviornmental controls. OSHA regulations also permit other NIOSH/MSHA approved respirators under specif conditions.

Ventilation

Provide sufficient mechanical (general or local) ventilation to maintain exposu levels below TLV or PEL unless air monitoring demonstrates vapor/mist levels ar below acceptable levels.

Protective Gloves Neoprene or Nitrile Rubber

Eye Protection Chemical Splash Goggles

Other Protective Equipment

Impervious clothing and boots to prevent prolonged or repeated skin exposure.

Hygenic Practices

Good personal hygiene should be observed. Persons employed in application area should be required to romove contaminated clothing and wash thoroughly before smoking, eating, drinking, or entering areas where these activities occur.

Section IX - Special Precautions

Precautions To Be Taken In Handling And Storing

WARNING! Contains Xylene. Flammable! Can be harmful or fatal if inhaled or ingested. Prevent breathing of spray mists or spray vapors during and after application. When pouring product from drums, drum should be bonded and grounded to prevent static electrical discharge. Keep containers upright and tightly sealed to prevent leakage. Store away from direct sunlight and all ignition sources. Never use a cutting torch or welder on empty drums as residue can ignite explosively.

Other Precautions

MATERIAL SAFETY DATA SHEET

CHEM-DIP CARB CLEANER
SOLVENT

01-74-[illegible]62

-M 7305

Carb Cleaner

MATERIAL SAFETY DATA SHEET

APPROVED BY U S LABOR DEPT, ESSENTIALLY SIMILAR TO FORM OSHA174

121941
121925
121908

BERRYMAN PRODUCTS
3800 E RANDALL MILL
ARLINGTON,TX 76011
EMERGENCY PHONE: 1-817-640-2376

CHEMICAL NAME & SYNONYMS: Solvent TRADE NAME: B12 Chemtool (0101,0105,0113,0116,0152, 0155,0312,0412)
CHEMICAL FAMILY: Not Applicable
FORMULA: Not Applicable

I. PHYSICAL DATA

BOILING RANGE :	56 86 172℃ / 133 187 342℉
API GRAVITY :	40.7
SPECIFIC GRAVITY (Water=1) :	0.822
POUNDS/GALLON :	6.845
VAPOR PRESSURE (mm of Hg)@20℃ :	60.4
VAPOR DENSITY (air=1) :	2.5
SOLUBILITY IN WATER :	Appreciable
SOLUBILITY IN ACID (85% H_2SO_4) :	Appreciable
DRY TIME (Ether=1) :	14.8
% VOLATILE BY VOL :	144.7
APPEARANCE :	Clear,Water-White
ODOR :	Ketone
HXB (Hydrogen Bonding) :	30.7
PXB (Polarity) :	37.5
DXB (Dispersion) :	31.8
REFRACTIVE INDEX :	1.403

II. HAZARDOUS INGREDIENTS

MATERIAL	CAS #	VOL(%)	TLV(ppm)
Toluene	108-88-3	> 9	100
Acetone	67-64-1	> 9	750
Methanol	67-56-1	> 6	200
Butoxyethanol	111-76-2	> 9	25
Methyl Ethyl Ketone	78-93-3	> 9	200
Isopropanol (Anh)	67-63-0	> 5	400
Light Aliphatic Solvent Naphtha	*64742-89-8	> 5	300

LOWEST KNOWN LD50 (ORAL)	111-76-2	320 mg/kg(Rabbits)
LOWEST KNOWN LC50 (VAPORS)	111-76-2	700 ppm (Mice)
LOWEST KNOWN LD50 (SKIN)	111-76-2	440 mg/kg (Rabbits)

DOT SHIPPING NAME: Flammable Liquid,NOS (UN1993)

HAZARD RATING
HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

III. FIRE & EXPLOSION HAZARD DATA

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 2.9
FLASH POINT (TEST METHOD): -17℃ / 2℉ (TCC) (Lowest Component)
FLAMMABILITY CLASSIFICATION: Class I B

EXTINGUISHING MEDIA :	NFPA Class B extinguishers (CO_2 or foam) for class I B liquid fires.
SPECIAL FIRE FIGHTING PROCEDURES :	Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Use air-supplied breathing masks.
UNUSUAL EXPLOSION AND FIRE PROCEDURES :	EXTREMELY FLAMMABLE!! Keep container tightly closed. Isolate from oxidizers, heat, sparks, non-explosion proof electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

Legal responsibility is assumed only for the fact that all studies reported here & all opinions are those of qualified experts. Buyer assumes all risk & liability. He accepts & uses this material on these conditions. He must have a copy of this MSDS where material is handled.

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 125 ppm (Freshly Prepared)

EFFECTS OF ACUTE OVER-EXPOSURE: INHALING: Anesthetic. Irritates respiratory tract. May cause serious nervous system depression. damage to kidneys,blood,nerves,liver & lungs. Repeated exposure over TLV may cause blindness. SKIN CONTACT: Primary irritation, defatting, dermatitis. EYE CONTACT: Primary irritation, redness, tearing, blurred vision.

EFFECTS OF SWALLOWING AND CHRONIC OVER-EXPOSURE: Vapor harmful. Breathing of vapor may cause irritation. Liquid causes eye irritation. Wash thoroughly after handling. Liquid may cause skin irritation. Absorption thru skin may be harmful. May be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

EMERGENCY & FIRST AID PROCEDURES: In case of contact with skin, Wash thoroughly with soap & water; For eyes, immediately flush with plenty of water for 15 minutes & CALL A PHYSICIAN. Remove & wash contaminated clothing before reuse. (Discard contaminated shoes.) After high vapor exposure, remove to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration.

POISON!!

CALL A PHYSICIAN

If swallowed: Induce vomiting promptly according to physician's instructions or by having patient stick finger down throat. After vomiting has been induced, give two teaspoonsful of baking soda in a glass of water. Never give anything by mouth to an unconscious person. Have patient lie down & keep warm. Cover eyes to exclude light.

V. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Isolate from heat, sparks, non-explosion proof electric equipment & open fla

MATERIALS TO AVOID: Isolate from strong oxidizers such as permanganate.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide from burning.

VI. ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES: Small: Mop up with absorbent material & transfer to hood. Large: Isolate from oxidizers, heat, sparks, electric equipment & open flame. Unprotected persons should be kept from area until cleaned up. Stop spill at source. Dike area to prevent spread. Pump liquid to salvage tank Remainder may be taken up on absorbent material & shoveled into containers.

WASTE DISPOSAL METHOD: Small: Evaporate until all vapors are gone. Dispose of remainder by legally applicable methods. Large: Recycle or Incinerate observing local,state & Federal health, safety & pollution laws.

VII. EMPLOYEE PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): Ventilate to keep air below 65 ppm. If over TLV, use self-contained air pack approved by NIOSH/OSHA. Consult Safety Equipment Supplier. Use explosion proof electric equipment.

VENTILATION: LOCAL EXHAUST: Preferable; MECHANICAL(GENERAL): Acceptable; SPECIAL: None; OTHER: None

PROTECTIVE CLOTHING: Wear OSHA Standard chemical goggles. Consult Safety Equipment Supplier. Wear gloves & footwear impervious to this material. Wash clothing before reuse.

VIII. SPECIAL PROTECTIONS

Vapors may ignite explosively. Vapors may spread long distances. Prevent vapor build-up. Put out pilot lights & turn off ignition sources during use & until all vapors are gone. Do not store above 49°C/120°F. Store large amounts in structures made for OSHA Class I B liquids. Avoid free fall of liquid. Ground containers when pouring. Do not flame cut, saw, braze or weld. Empty container hazardous! Continue all label precautions!

DATE: 11 / 85

B12 CHEMTOOL

CONTAINS TOLUENE, KETONE, METHANOL, GLYCOL ETHER, ALCOHOL, PETROLEUM DISTILLATE

DANGER!

EXTREMELY FLAMMABLE!
VAPORS MAY CAUSE FLASH FIRE
VAPOR HARMFUL
BREATHING OF VAPOR MAY CAUSE IRRITATION
LIQUID CAUSES EYE IRRITATION
WASH THOROUGHLY AFTER HANDLING
LIQUID MAY CAUSE SKIN IRRITATION
ABSORPTION THRU SKIN MAY BE HARMFUL
MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED
CANNOT BE MADE NON-POISONOUS

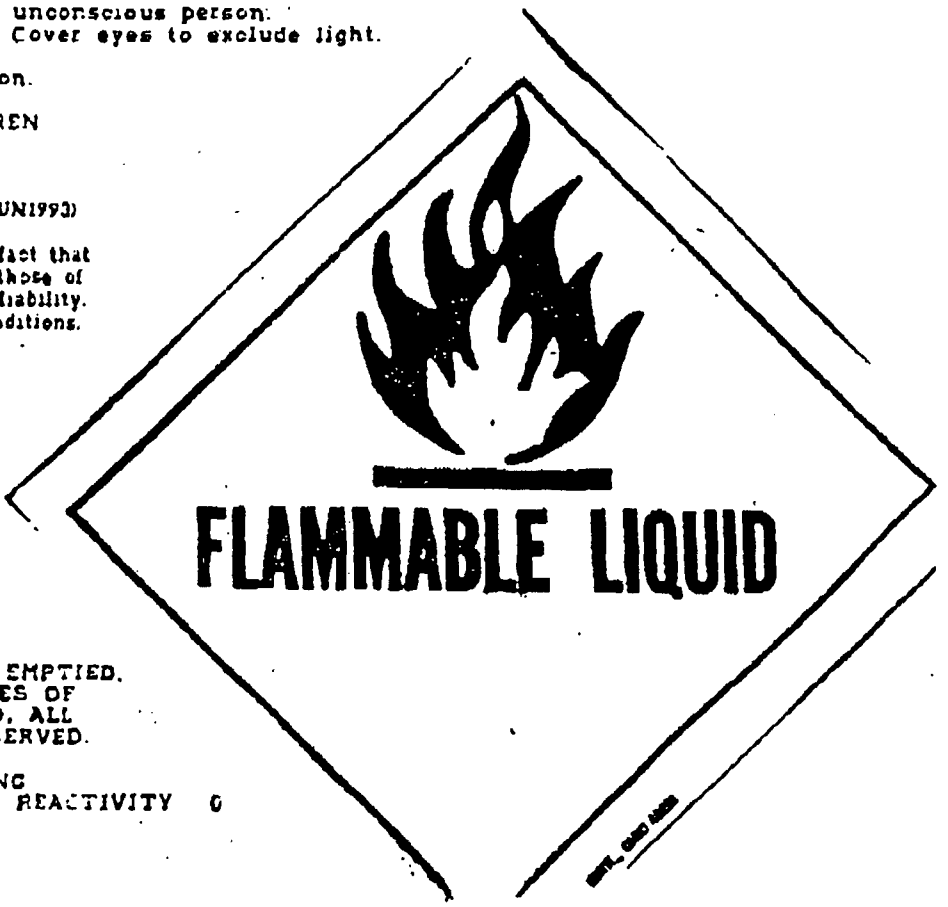
Isolate from oxidizers, heat, sparks, non-explosion proof electric equipment & open flame.
Use only with adequate ventilation.
Avoid breathing of vapor or spray mist.
Do not get in eyes, on skin or clothing. Do not take internally.
Wear OSHA Standard chemical goggles. Consult Safety Equipment Supplier.
Wear gloves & footwear impervious to this material. Wash clothing before reuse
Vapors may ignite explosively. Vapors may spread long distances. Prevent vapor build-up.
Put out pilot lights & turn off heaters, nonexplosion proof electric equipment & other ignition sources during use & until all vapors are gone.
Keep closure tight & upright when not in use to prevent leakage.
Ground containers when pouring. Do not flame cut, saw, braze or weld.
DISPOSAL Recycle or dispose of observing local,state & Federal health, safety & pollution laws. If spilled, Mop up & dispose of safely.
FIRST AID In case of contact with skin, Wash thoroughly with soap & water. For eyes, immediately flush with plenty of water for 15 minutes & CALL A PHYSICIAN Remove & wash contaminated clothing before reuse (Discard contaminated shoes.)
After high vapor exposure, remove to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration.

© POISON!! ©
X CALL A PHYSICIAN X

If swallowed induce vomiting promptly according to physician's instructions or by having patient stick finger down throat.
After vomiting has been induced, give two teaspoonsful of baking soda in a glass of water.
Never give anything by mouth to an unconscious person.
Have patient lie down & keep warm. Cover eyes to exclude light.

Consult MSDS for further information.
FOR INDUSTRY USE ONLY
KEEP OUT OF THE REACH OF CHILDREN
BERRYMAN PRODUCTS
3800 E RANDALL MILL
ARLINGTON,TX 76011
DOT SHIPPING NAME Flammable Liquid,NOS (UN1993)

Legal responsibility is assumed only for the fact that all studies reported here & all opinions are those of qualified experts. Buyer assumes all risk & liability. He accepts & uses this material on these conditions.



ATTENTION!!
EMPTY CONTAINER HAZARDOUS WHEN EMPTIED.
EMPTY CONTAINERS RETAIN RESIDUES OF PRODUCT (VAPOR, LIQUID OR SOLID). ALL HAZARD PRECAUTIONS MUST BE OBSERVED.

HAZARD RATING
HEALTH 1 FLAMMABILITY 3 REACTIVITY 0

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

April 28, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-251

Mr. Tim Parker
Area Manager
Pool Company (Texas) Inc.
Carlsbad Highway
P.O. Box 1198
Hobbs, New Mexico 88240

RE: PIT CLOSURE
POOL CO. HOBBS SERVICE FACILITY

Dear Mr. Parker:

The New Mexico Oil Conservation Division (OCD) has completed a review of Pool Company (Texas) Inc. (PCI) March 8, 1995 "CLOSURE OF UNLINED SURFACE IMPOUNDMENT AT POOL COMPANY, HOBBS, NEW MEXICO" which was submitted on behalf of PCI by their consultant COMBEST GEOscience. This document contains the results of PCI's closure of an unlined pit at PCI's service company yard in Hobbs, New Mexico.

The closure actions taken to date are satisfactory. However, the OCD cannot issue final closure approval for the pit until remediation of the stockpiled soils is complete. Therefore, the OCD requests that PCI provide the OCD with:

1 The proposed bioremediation method for the stockpiled soils including the composition of the materials proposed to be used for enhancing bioremediation.

2. The proposed final disposition of the stockpiled soils upon completion of bioremediation.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price , OCD Hobbs Office
Kyle B. Combest, COMBEST GEOscience

CLOSURE OF UNLINED

SURFACE IMPOUNDMENT

AT POOL COMPANY

HOBBS, NEW MEXICO

08 March 1995

Prepared by:
Randall R. Reneau and Kyle B. Combest
COMBEST GEOscience
Austin and San Angelo, Texas

CONTENTS

FIGURES

TABLES

APPENDICES

CLOSURE OF UNLINED SURFACE IMPOUNDMENT AT POOL COMPANY HOBBS, NEW MEXICO

1.0 INTRODUCTION

Closure of an unlined surface impoundment has been completed at the POOL COMPANY facility in Hobbs, New Mexico (Figure 1; Figure 2). Closure activities followed the requirements listed in the following documents:

- Report prepared for POOL COMPANY and entitled "Unlined surface impoundment closure plan for POOL COMPANY Hobbs, New Mexico" (Combest Geoscience, 1995); and

- Letter dated 05 January 1995 from the New Mexico Oil Conservation Division (Appendix A) stating conditional approval for the above referenced closure plan.

The facility is located west of Hobbs along the north side of U.S. Highway 180 (Figure 1). A further detailed description of the facility and facility history can be found in the closure plan (Combest Geoscience, 1995).

Closure activities most importantly required overexcavation of the impoundment and placing the excavated soil in a bermed and lined bioremediation cell. The following report describes the project methods and results.

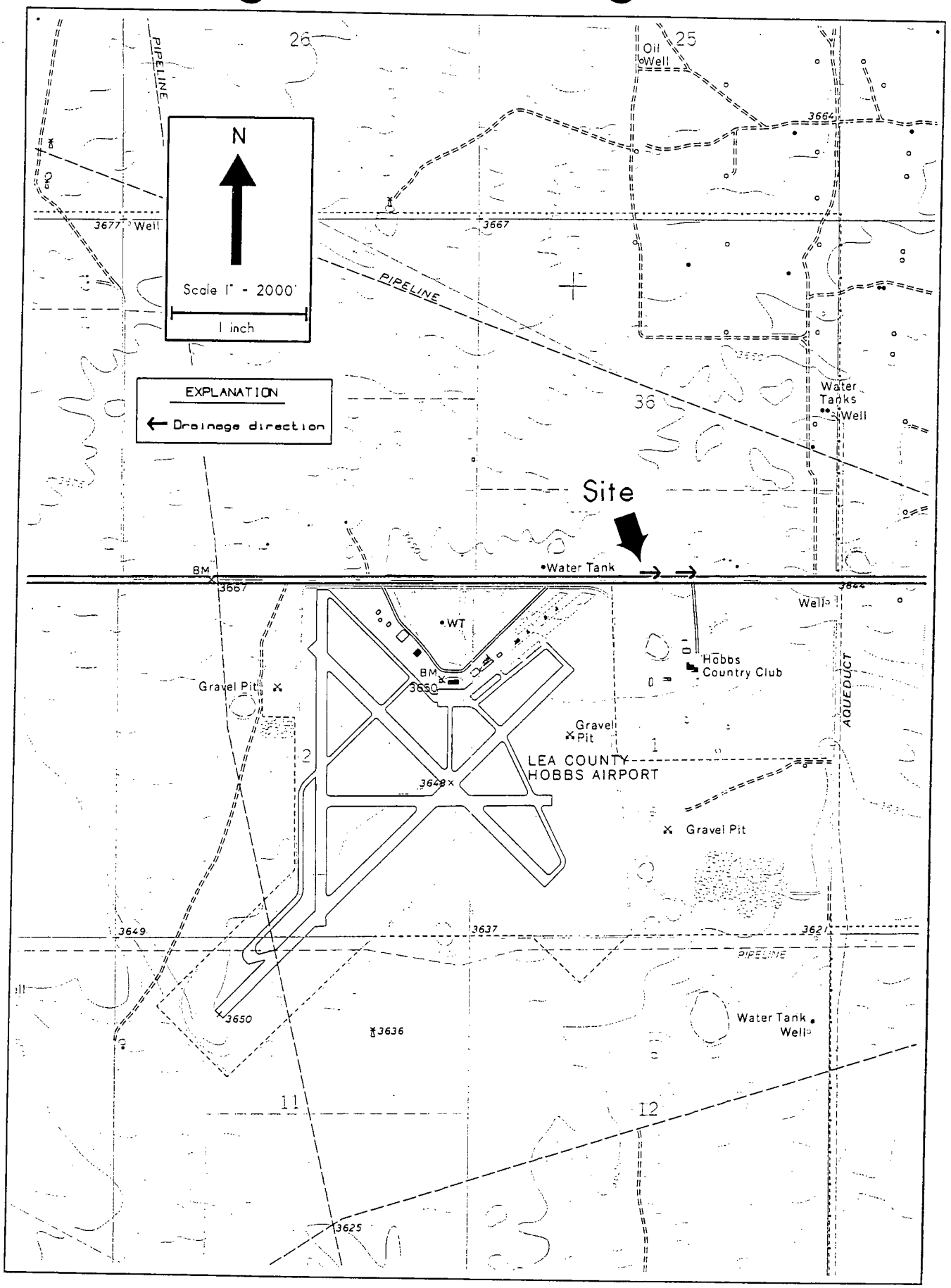
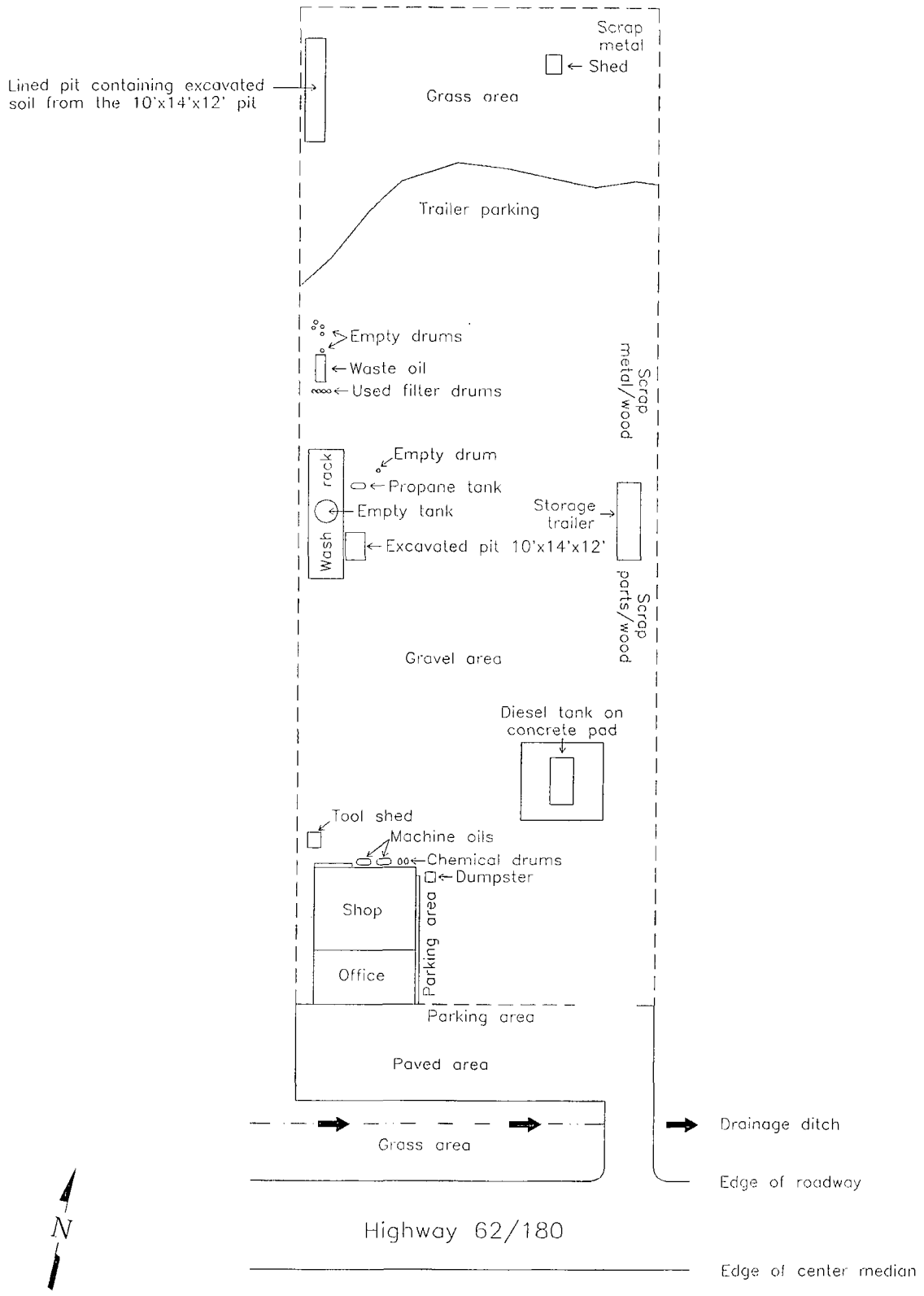


Figure 1. U.S.G.S. topographic map (1:24,000).



COMBEST GEOSCIENCE Austin, Texas Prepared by: L & L DRAFTING Date: 19 FEBRUARY 1995	SCALE 1" = 80' 1 inch	LEGEND Fence Drainage Direction	POOL COMPANY HOBBS, NEW MEXICO SITE MAP FIGURE 2

2.0 METHODS

The following sections describe field methods and laboratory methods.

2.1 Field Methods

Mr. Wayne Price, environmental engineer with the State of New Mexico Oil Conservation Division (District One) was notified on 07 February 1995 of closure activities that were planned for 08 February 1995. Mr. Price visited the facility on 08 February 1995 as closure activities were being conducted.

A bermed, lined bioremediation cell was first constructed by using a backhoe (Figure 2; Appendix B, Photograph No. 2). The finished size of the lined cell was approximately 12-ft wide, 75-ft long, and approximately 2-ft deep. The finished heights of the containment berms were approximately 3-ft (Appendix B, Photograph No. 2).

As the impoundment was being excavated, all excavated soil was placed in the lined bioremediation cell (Appendix B, Photograph No. 2).

Excavation activities revealed that the impoundment had originally been infilled with sand and gravel. From periodic use, the sand and gravel had acquired hydrocarbon staining and a noticeable hydrocarbon odor.

After completely removing all of the sand and gravel, the original impoundment dimensions were found to be 10-ft X 14-ft and approximately 10-ft deep (Appendix B, Photographs No. 4-6). An examination of the impoundment after removing the sand and gravel found that the walls and floor were composed of hard,

indurated caliche. A further examination of the caliche walls and floor revealed localized hydrocarbon staining. The backhoe was then used to overexcavate the stained caliche as determined by visual and olfactory examinations. In the floor, some stains had penetrated 6-in to 10-in into the caliche below the original impoundment floor. To reasonably assure that the floor had been sufficiently excavated, a 24-in layer of caliche was ultimately excavated from the floor. After overexcavation activities were complete, the final dimensions were 10-ft X 14-ft and 12-ft deep (Appendix B, Photographs 7-8).

To verify the success of clean-up activities, soil samples were collected from the base of the north, south, east, and west walls. From the floor, three-part composite samples were collected at the following times: (1) during the intermediate stage of overexcavation and (2) after final completion of overexcavation. From the stockpiled soil in the lined bioremediation cell, a three-part composite sample was also collected.

To establish background TPH values, a clean soil sample was collected at a depth of 4-ft from a location 10-ft inside the north fence line. All samples were stored on ice and transported to Enviro-Tech Laboratories in San Angelo, Texas for analyses (Chain of Custody in Appendix C).

2.2 Laboratory Methods

All samples were analyzed for BTEX (EPA method 8020) and TPH (EPA method 418.8).

The BTEX analysis measures light fuel concentrations by separating aromatic organics with a purge-and-trap followed by gas chromatograph (GC) analysis. In the GC, the various organic

compounds move through the chromatography column at specific rates for each compound. Each compound is then quantified as it eludes off the chromatography column through a photo ionization detector (PID).

The TPH analysis determines amounts of weathered gasoline and heavy fuels such as diesel. The procedure first requires separation of the fuel from the soil with fluorocarbon 113 followed with infra-red spectroscopy analysis. The infra-red absorption peaks for the fuel constituents are compared with an oil standard for quantification.

In addition to the above analyses, the soil sample collected from the stockpile was analyzed at Inchscape Laboratories in Richardson, Texas for RCRA hazardous waste characteristics (TCLP volatiles, 8 TCLP metals, and RCI).

3.0 RESULTS

For documentation purposes, a New Mexico OCD closure form was completed and is attached in Appendix D. Results from the hydrocarbon analyses are summarized in Table 3.1.

Additional analytical results for the stockpile sample are summarized in Tables 3.2, 3.3, 3.4 and, 3.5.

Table 3.1 Laboratory results summary (hydrocarbons).

SAMPLE LOCATION	TPH	BTEX	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENE (m,p)	XYLENE (o)
N. WALL	630	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01
S. WALL	830	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01
E. WALL	740	<0.01	<0.01	<0.01	<0.01	<0.02	<0.1
W. WALL	233	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01
FLOOR - Intermediate	680	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01
FLOOR - Final	93	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01
BACKGROUND	<10	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01
STOCKPILE	9750	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01

All concentrations in mg/kg

Copies of laboratory data sheets are included in Appendix C.

Samples collected on 8 February 1995

Table 3.2 Stockpiled Soil: TCLP Volatile Organics.

COMPOUND	**CONCENTRATION (mg/L)**
BENZENE	<0.10
CARBON TETRACHLORIDE	<0.10
CHLOROBENZENE	<0.10
CHLOROFORM	<0.10
1,4-DICHLOROBENZENE	<0.10
1,2-DICHLOROETHANE	<0.10
1,1-DICHLOROETHENE	<0.10
METHYL ETHYL KETONE	<1.00
TETRACHLOROETHENE	<0.10
TRICHLOROETHENE	<0.10
VINYL CHLORIDE	<0.20

All concentrations in mg/l.

Copies of laboratory data sheets are included in Appendix C.

Sample collected on 8 February 1995.

Table 3.3 Stockpiled Soil: TCLP Metals.

METAL	CONCENTRATION (mg/L)
ARSENIC	0.1
BARIUM	1.0
CADMIUM	0.017
CHROMIUM	<.010
LEAD	0.071
MERCURY	<0.001
SELENIUM	<0.250
SILVER	<0.01

All concentrations in mg/l.

Copies of laboratory data sheets are included in Appendix C.

Sample collected on 8 February 1995.

Table 3.4 Stockpiled Soil: Miscellaneous Analyses.

ANALYSIS	RESULT
CORROSIVITY (pH)	NON-CORROSIVE
CYANIDE, REACTIVE	<0.10
REACTIVITY	NON-REACTIVE
SULFIDE, REACTIVE	<10.0
TOTAL SOLIDS	93.2%
pH	8.5

Copies of laboratory data sheets are included in Appendix C.

Sample collected on 8 February 1995.

Table 3.5 Stockpiled Soil: Ignitability.

ANALYSIS	RESULT
IGNITABILITY (by definition)	NOT IGNITABLE

Copies of laboratory data sheets are included in Appendix C.

Samples collected on 8 February 1995.

4.0 CONCLUSIONS

Analytical results verified that the impoundment walls and floor had been cleaned to New Mexico OCD target levels (<1000 mg/l TPH, <10 mg/l Benzene, <50 mg/l BTEX) based on the Remediation and Closure Report ranking score of 10 (Appendix D). Upon receipt of closure approval from the New Mexico OCD, the overexcavated impoundment will be backfilled with clean fill and leveled to grade.

Stockpiled soil in the lined bioremediation cell will be treated with conventional bioremediation methods. However, before any bioremediation method is initiated, a proposal shall first be submitted to the New Mexico OCD for review and approval. Once the proposal is approved and the bioremediation method established, sampling shall be conducted on a quarterly basis. Disposal options will be evaluated as TPH concentrations decrease during the bioremediation program. Any disposal option that is selected will be in full compliance with New Mexico regulations.

5.0 REFERENCES

Combest Geoscience, 1995, Unlined surface impoundment closure plan for POOL COMPANY Hobbs, New Mexico. Report prepared by Combest Geoscience, Austin, Texas for Pool Company.

New Mexico Oil Conservation Division, 1993, Unlined Surface Impoundment Closure Guidelines.

New Mexico Oil Conservation Division letter dated 05 January 1995 to POOL COMPANY.

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

BRUCE KING
GOVERNOR

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

January 5, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-193

Mr. Tim Parker
Area Manager
Pool Company (Texas) Inc.
Carlsbad Highway
P.O. Box 1198
Hobbs, New Mexico 88240

RE: UNLINED PIT CLOSURE PLAN

Dear Mr. Parker:

The New Mexico Oil Conservation Division (OCD) has completed a review of Pool Company (Texas) Inc. (PCI) November 8, 1994 "UNLINED SURFACE IMPOUNDMENT CLOSURE PLAN FOR POOL COMPANY, HOBBS, NM". This document contains PCI's plan for closure of an unlined pit at PCI's service company yard in Hobbs, New Mexico.

The above referenced pit closure plan **is approved with the following conditions:**

1. All soil samples for verification of closure or completion of remedial activities will be sampled and analyzed for benzene, toluene, ethylbenzene, xylene (BTEX) and total petroleum hydrocarbons in accordance with the OCD's "SURFACE IMPOUNDMENT CLOSURE GUIDELINES".

   NOTE: A field headspace measurement of 100 parts per million (mg/l) of total organic vapor, if determined in accordance with OCD guidelines, may be substituted for a laboratory analysis of the concentrations of BTEX.

2. Since wastes generated at oilfield service companies are not exempt from federal RCRA hazardous waste regulations, the OCD requires that PCI analyze the stockpiled soils for RCRA Subtitle C Hazardous Characteristics. The results of these analyses will be submitted to the OCD for approval prior to either onsite remediation or offsite disposal.

3. PCI will submit the composition of any materials to be used for enhancing bioremediation of soils to the OCD for approval prior to application.

4. PCI will submit the location and sampling plan of any proposed soil borings to the OCD for approval prior to implementation.

5. PCI will notify the Environmental Bureau Chief of the OCD Santa Fe Office and the OCD Aztec District Office within 24 hours of the discovery of ground water contamination related to any pit closure activity.

6. The final report, submitted to the OCD upon completion of closure actions, will include a completed OCD "Pit Remediation and Closure Report" form (attached) which will contain the final results of all pit closure activities. The report will also include the concentrations and application rates of all materials or additives used to enhance bioremediation of contaminants.

7. All original documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Hobbs District Office.

Please be advised that OCD approval does not relieve PCI of liability should closure activities determine that contamination exists which is beyond the scope of the work plan or if the closure activities fail to adequately remediate contamination related to their activities. In addition, OCD approval does not relieve PCI of responsibility for compliance with any other federal, state or local laws and/or regulations.

The OCD commends PCI for their initiative in the closure of this unlined pit and looks forward to working with you as the work plan is implemented.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

Attachment

xc: Jerry Sexton, OCD Hobbs District Supervisor
Wayne Price , OCD Hobbs Office
Lynne Fahlquist, COMBEST GEOscience

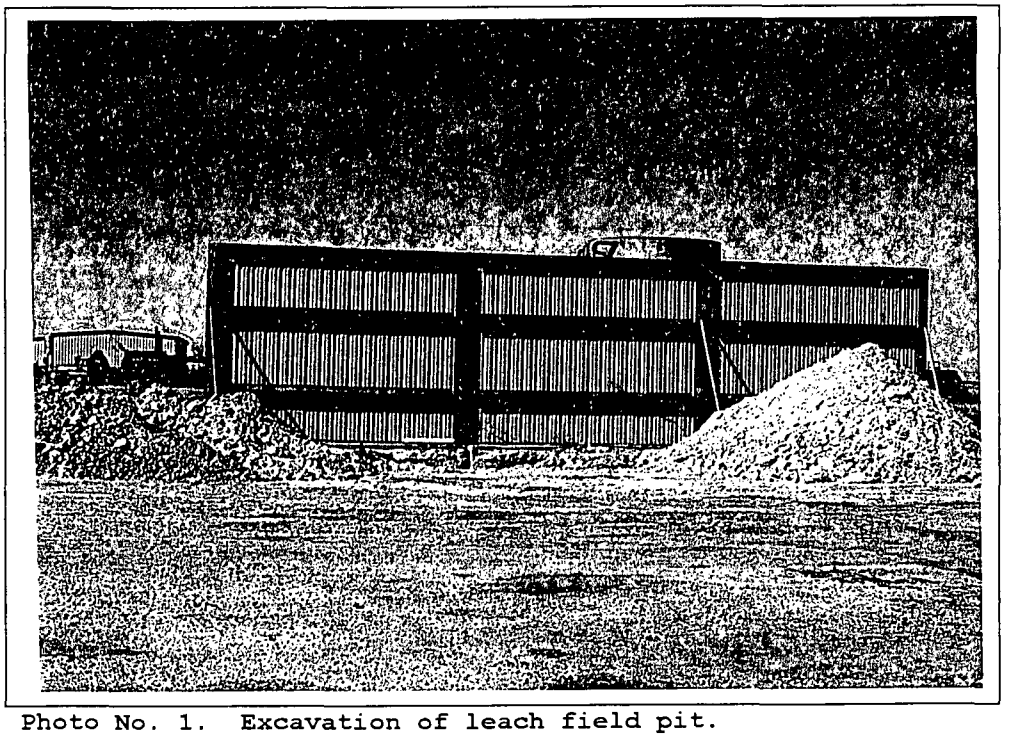


Photo No. 1. Excavation of leach field pit.

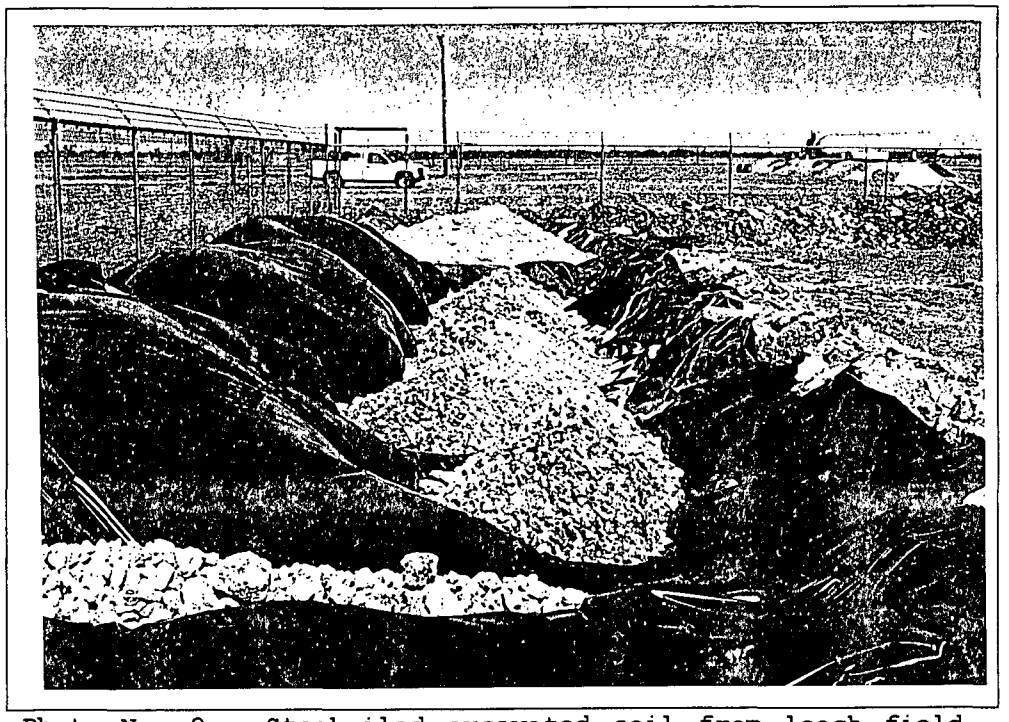


Photo No. 2. Stockpiled excavated soil from leach field pit.

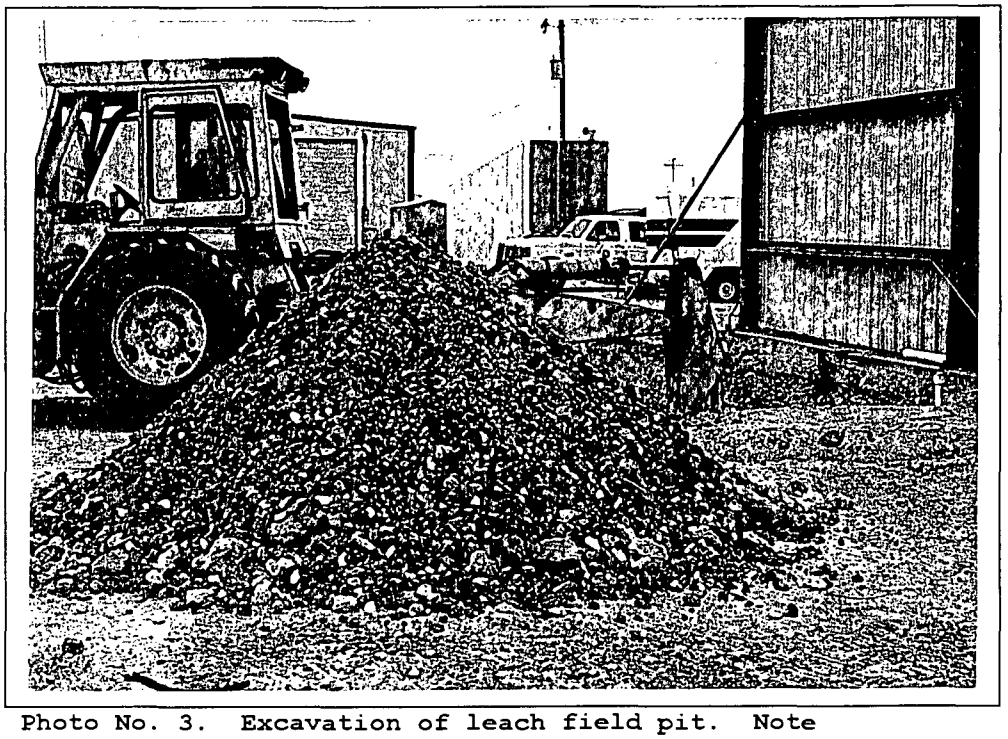


Photo No. 3. Excavation of leach field pit. Note hydrocarbon stained gravels.

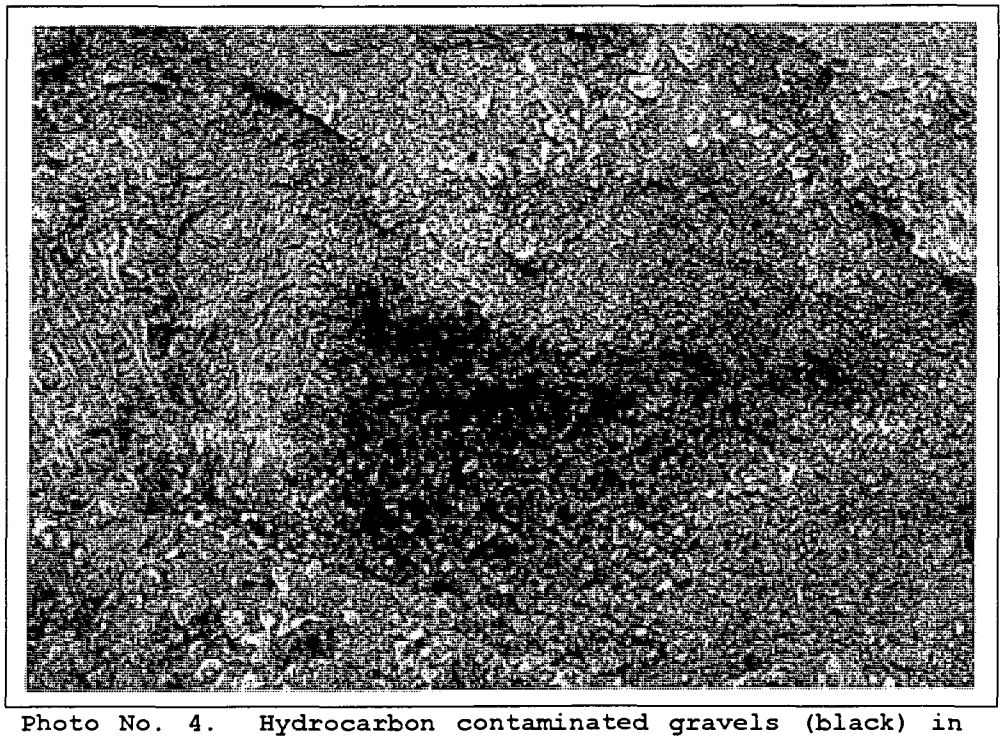


Photo No. 4. Hydrocarbon contaminated gravels (black) in leach field collection pit.

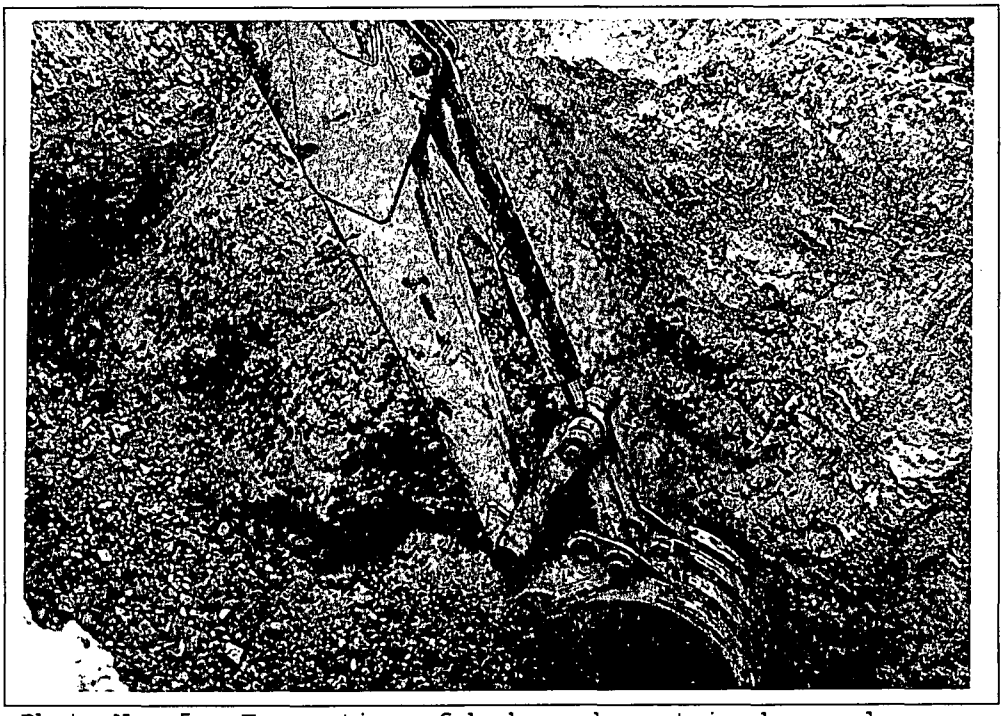


Photo No. 5. Excavation of hydrocarbon stained gravels (black) from leach field collection pit.

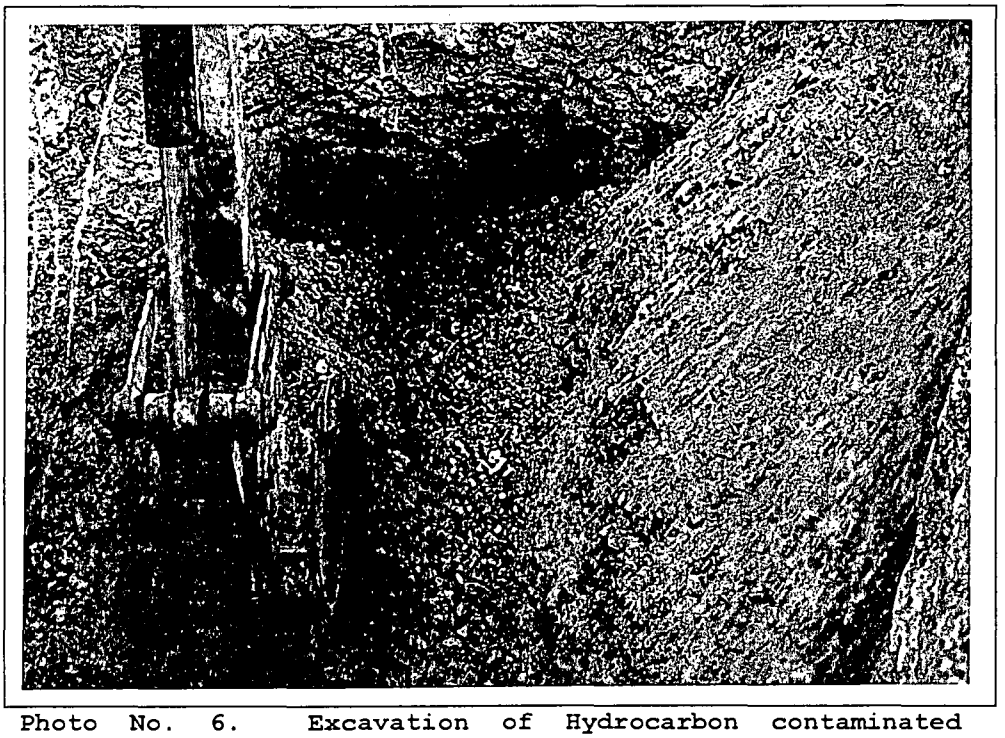


Photo No. 6. Excavation of Hydrocarbon contaminated gravels (black) from leach field collection pit.

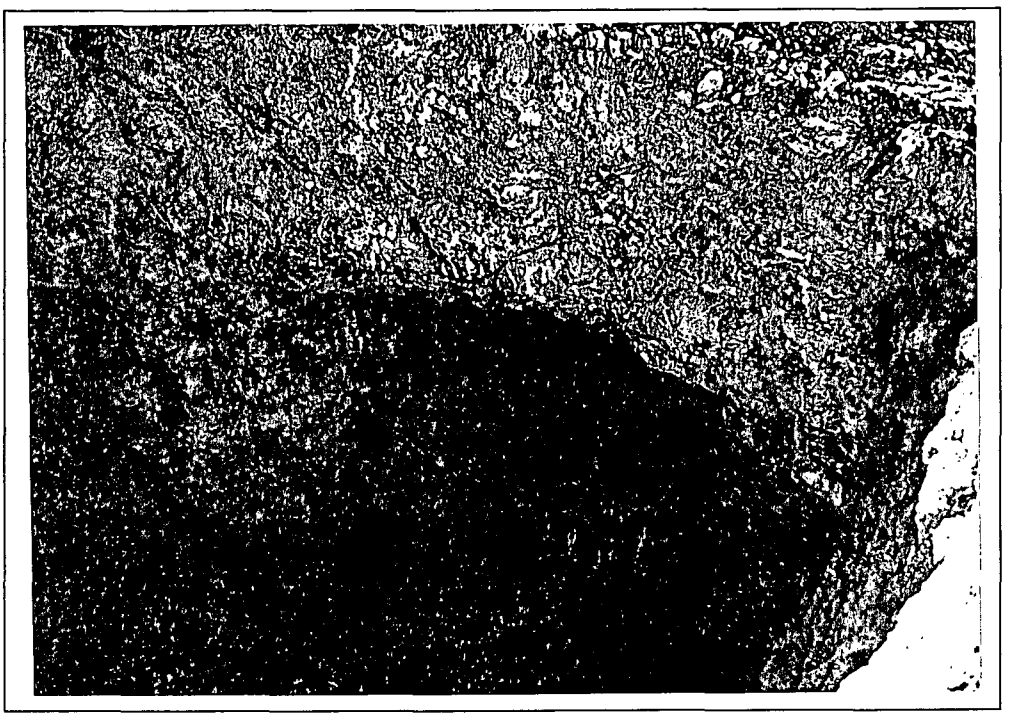


Photo No. 7. View (south) of leach field collection pit during excavation.

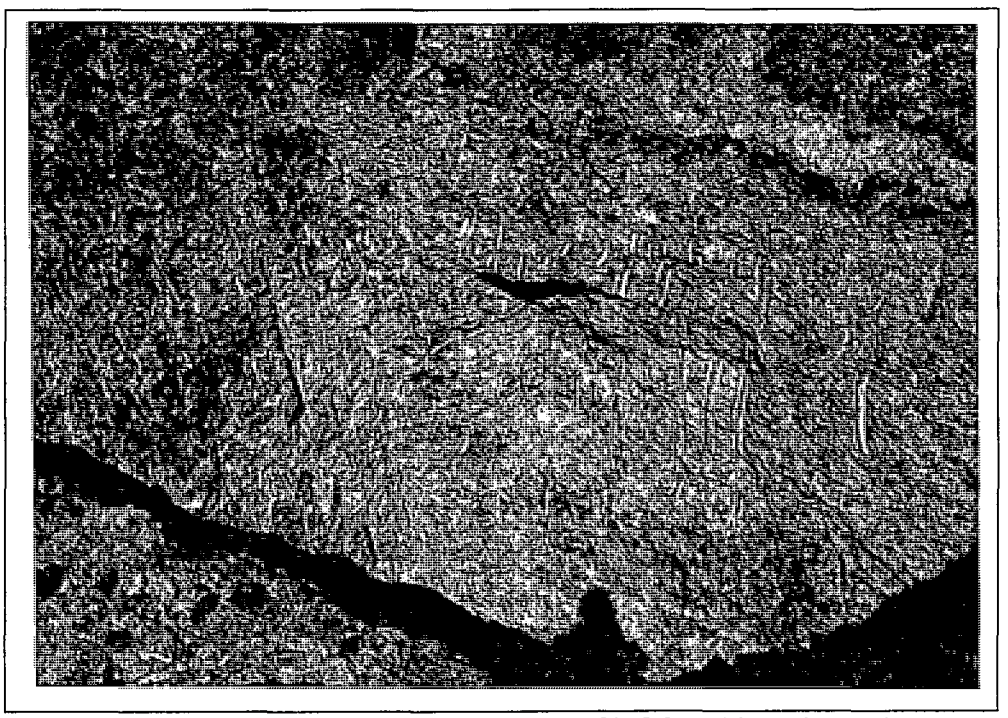


Photo No. 8. View (north) of leach field collection pit following excavation.

CHAIN OF CUSTODY RECORD

Enviro-Tech *Laboratories, Inc.*
117 S. A&M Ave., San Angelo, Texas 76901
Phone: (915) 944-1302 / Fax: (915) 942-9693

Submitted By	Bill To
Company: COMBEST GEOSCIENCE	Company:
Address: 706 AUSTIN	Address:
SAN ANGELO TX 76903	
Contact:	Contact:
Phone: 915-655-4302	Phone:
Fax:	Fax:

Collected By (signature): R. RENEAU

Project Description: POOL CO - Hobbs, NM

REQUESTED ANALYSES: BTEX / TPH; TCLP VOLATILES & RCRA METALS (TCLP); RCI

Page ___ of ___

Comment: 2 containers collected from stockpile. ANALYZE ONLY 1. THE OTHER IS EXTRA IF NEEDED.

Laboratory Number (Lab Use Only)	COLLECTED Date	Time	TYPE Grab	Comp	Sample Identification	Number of Containers	Sample Matrix
95.02.29-01	2/6/95	3:06	✓		N. WALL	1	S
-02	2/6/95	3:00	✓		S. WALL	1	S
-03	2/6/95	2:58	✓		E. WALL	1	S
-04	2/6/95	3:02	✓		W. WALL	1	S
-05	2/6/95	2:55		✓	FLOOR (3 PART COMP)	1	S
-06	2/6/95	3:05		✓	STOCKPILE	2	S

Preservatives added:

REQUESTED TURNAROUND TIME:
[✓] Standard [ ] 50% Rush [ ] 100% Emergency [ ] Other _____

LABORATORY TRANSFER [ ] YES

Relinquished By (signature)	Date	Time	Received By (signature)	Date	Time
R. Reneau	2/9/95				
				2/10/95	10:30A
Relinquished By (signature):	Date:	Time:	Received By (signature):	Date:	Time:
Relinquished By (signature):	Date:	Time:	Received By (signature):	Date:	Time:

For Laboratory Use Only

Sample Temp. On Receipt:	[ ] Cool < 4° C	[ ] Other _____
Preservative Added By Lab:	[ ] None	[ ] Other _____
Sample Container Condition:	[ ] Acceptable	[ ] Unacceptable
Sample Holding Times:	[ ] Acceptable	[ ] Unacceptable

Comments:

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED 10 February,1995
REPORTED: 15 February,1995

PROJECT: Pool Co. - Hobbs, NM
SAMPLE ID: N. Wall
MATRIX: Soil
COLLECTED: 08 February,1995
BTEX ANALYZED: 10 February,1995 by CWD
TPH ANALYZED: 14 February,1995 by CWD

REPORT NUMBER
95-2629-01

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH))	10	630 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2208	TPH QC	T2210
Method Blank	< 0.01	Method Blank	<10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	5.9
a,a,a -trifluorotoluene	92.0	Matrix Spike	94.0
tetrachloroethylene	86.0		
isopropylbenzene	82.0		
Matrix Spike	99.0		

Comment:

Reviewed By: Wayne Dirks
Enviro-Tech Laboratories, Inc.

Enviro-Tech *Laboratories, Inc.*

117 South A&M Avenue
San Angelo, Texas 76901

Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED 10 February,1995
REPORTED: 15 February,1995

PROJECT: Pool Co. - Hobbs, NM
SAMPLE ID: S. Wall
MATRIX: Soil
COLLECTED: 08 February,1995
BTEX ANALYZED: 10 February,1995 by CWD
TPH ANALYZED: 14 February,1995 by CWD

REPORT NUMBER
95-2629-02

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH))	10	830 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2208	TPH QC	T2210
Method Blank	< 0.01	Method Blank	<10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	5.9
a,a,a -trifluorotoluene	104.0	Matrix Spike	94.0
tetrachloroethylene	102.0		
isopropylbenzene	102.0		
Matrix Spike	99.0		

Comment:

Reviewed By: Wayne Dirks
Enviro-Tech Laboratories, Inc.

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED 10 February,1995
REPORTED: 15 February,1995

PROJECT: Pool Co. - Hobbs, NM
SAMPLE ID: E. Wall
MATRIX: Solid
COLLECTED: 08 February,1995
BTEX ANALYZED: 10 February,1995 by CWD
TPH ANALYZED: 14 February,1995 by CWD

REPORT NUMBER
95-2629-03

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH))	10	740 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2208	TPH QC	T2210
Method Blank	< 0.01	Method Blank	<10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	5.9
a,a,a -trifluorotoluene	104.0	Matrix Spike	94.0
tetrachloroethylene	106.0		
isopropylbenzene	104.0		
Matrix Spike	99.0		

Comment:

Reviewed By: Wayne Dunn
Enviro-Tech Laboratories, Inc.

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED 10 February,1995
REPORTED: 15 February,1995

PROJECT: Pool Co. - Hobbs, NM
SAMPLE ID: W. Wall
MATRIX: Soil
COLLECTED: 08 February,1995
BTEX ANALYZED: 10 February,1995 by CWD
TPH ANALYZED: 14 February,1995 by CWD

REPORT NUMBER
95-2629-04

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH))	10	233 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2208	TPH QC	T2210
Method Blank	< 0.01	Method Blank	<10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	5.9
a,a,a -trifluorotoluene	104.0	Matrix Spike	94.0
tetrachloroethylene	102.0		
isopropylbenzene	104.0		
Matrix Spike	99.0		

Comment:

Reviewed By: Wayne Dirks
Enviro-Tech Laboratories, Inc.

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED 10 February,1995
REPORTED: 15 February,1995

PROJECT: Pool Co. - Hobbs, NM
SAMPLE ID: Floor (3 Part Comp)
MATRIX: Soil
COLLECTED: 08 February,1995
BTEX ANALYZED: 10 February,1995 by CWD
TPH ANALYZED: 14 February,1995 by CWD

REPORT NUMBER
95-2629-05

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH))	10	680 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2208	TPH QC	T2210
Method Blank	< 0.01	Method Blank	<10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	5.9
a,a,a -trifluorotoluene	98.0	Matrix Spike	94.0
tetrachloroethylene	100.0		
isopropylbenzene	100.0		
Matrix Spike	99.0		

Comment:

Reviewed By: Waymond Dixon
Enviro-Tech Laboratories, Inc.

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED 10 February,1995
REPORTED: 15 February,1995

PROJECT: Pool Co. - Hobbs, NM
SAMPLE ID: Stockpile
MATRIX: Soil
COLLECTED: 08 February,1995
BTEX ANALYZED: 10 February,1995 by CWD
TPH ANALYZED: 14 February,1995 by CWD

REPORT NUMBER
95-2629-06

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH))	10	9,750 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2208	TPH QC	T2210
Method Blank	< 0.01	Method Blank	<10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	5.9
a,a,a -trifluorotoluene	74.0	Matrix Spike	94.0
tetrachloroethylene	72.0		
isopropylbenzene	52.0		
Matrix Spike	99.0		

Comment:

Reviewed By: Wayne Dirks
Enviro-Tech Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Enviro-Tech *Laboratories, Inc.*
117 S. A&M Ave., San Angelo, Texas 76901
Phone: (915) 944-1302 / Fax: (915) 942-9693

Submitted By		Bill To	
Company	Enviro-Tech	Company	SAME
Address		Address	
Contact		Contact	
Phone		Phone	
Fax		Fax	

Collected By (signature): R. R.

Project Description: Pool Co. – Hobbs, NM

REQUESTED ANALYSES

Page 1 of 1

Comment:

Laboratory Number (Lab Use Only)	COLLECTED Date	COLLECTED Time	TYPE Grab	TYPE Comp	Sample Identification	Number of Containers	Sample Matrix	TCLP Volatiles	TCLP Metals (8)	RCI Pkg.	Preservatives added:
	2/8/95				Stockpile	1	S	X	X	X	

REQUESTED TURNAROUND TIME:
[X] Standard [ ] 50% Rush [ ] 100% Emergency [ ] Other _____

LABORATORY TRANSFER
[X] YES

Relinquished By (signature)	Date	Time	Received By (signature)	Date	Time
Wayne Dirk	2/13/95	4:30P			
Relinquished By (signature)	Date	Time	Received By (signature)	Date	Time
Relinquished By (signature)	Date	Time	Received By (signature)	Date	Time

For Laboratory Use Only

Sample Temp. On Receipt:	[ ] Cool < 4° C	[ ] Other _____
Preservative Added By Lab:	[ ] None	[ ] Other _____
Sample Container Condition:	[ ] Acceptable	[ ] Unacceptable
Sample Holding Times:	[ ] Acceptable	[ ] Unacceptable

Comments:

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED: 28 February,1995
REPORTED: 02 March,1995

PROJECT: Pool Company - Hobbs, NM
SAMPLE ID: Excavated leech Field-Bottom of Pit
MATRIX: Soil
COLLECTED: 23 February,1995
BTEX ANALYZED: 28 February,1995 by CWD
TPH ANALYZED: 01 March,1995 by CWD

REPORT NUMBER
95-2686-01

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH)	10	93 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2215	TPH QC	T2219
Method Blank	< 0.01	Method Blank	< 10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	0.0
a,a,a -trifluorotoluene	94.0	Matrix Spike	100.0
tetrachloroethylene	96.0		
isopropylbenzene	106.0		
Matrix Spike	99.3		

Comment:

Reviewed By: Waymon Davis
Enviro-Tech Laboratories, Inc.

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED: 28 February,1995
REPORTED: 02 March,1995

PROJECT: Pool Company - Hobbs, NM
SAMPLE ID: Sample hole dug to approx. 4' below G.L.
MATRIX: Soil
COLLECTED: 23 February,1995
BTEX ANALYZED: 28 February,1995 by CWD
TPH ANALYZED: 01 March,1995 by CWD

REPORT NUMBER
95-2686-02

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH)	10	< 10 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2215	TPH QC	T2219
Method Blank	< 0.01	Method Blank	< 10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	0.0
a,a,a -trifluorotoluene	92.0	Matrix Spike	100.0
tetrachloroethylene	92.0		
isopropylbenzene	102.0		
Matrix Spike	99.3		

Comment:

Reviewed By: Wayne D Dirks
Enviro-Tech Laboratories, Inc.

Environmental Analytical Services

CARDINAL LABORATORIES

[redacted] Ave.
Farmington, NM [redacted]
505-326-[redacted]
FAX 505-326-[redacted]

101 E. Marland
Hobbs, NM 88240
505-393-[redacted]
FAX 505-393-2476

Chain of Custody Record

Project I.D. Pool Company P.O. Bx. 1198 Hobbs, N.M. 88240
Project Location 5730 W. Carlsbad Hwy Hobbs, N.M. 88240
Sampled By
Client Name Combest GEO Science
Address
Telephone 505-393-5161

Sample Number	Date	Time	Composite	Grab	Sample Location	Number of Containers	Analysis Required: TPH / BTEX	Remarks (Type sample, preservation, etc.)
1	2/23/95	11:30 a.m.	✓		Excavated leech Field - Bottom of pit	1	X	95-2686-01
2	2/23/95	12:30 p.m.	✓		Sample hole dug to approx. 4' below GL.	1	X	-02

Released by: (Signature)	Date	Time	Received by: (Signature)
T.G. Parker	2/23/95	5:30 p.m.	U.P.S.
Released by: (Signature)	Date	Time	Received by: (Signature)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of

Enviro-Tech *Laboratories, Inc.*
117 South A&M Avenue
San Angelo, Texas 76901
Phone: (915) 944-1302
Fax: (915) 942-9693

REPORT TO: COMBEST GEOscience
7122 Wood Hollow, #7
Austin, Texas 78731

RECEIVED 10 February,1995
REPORTED: 15 February,1995

PROJECT: Pool Co. - Hobbs, NM
SAMPLE ID: N. Wall
MATRIX: Soil
COLLECTED: 08 February,1995
BTEX ANALYZED: 10 February,1995 by CWD
TPH ANALYZED: 14 February,1995 by CWD

REPORT NUMBER
95-2629-01

REQUESTED ANALYSES	DETECTION LIMIT	RESULT
Total Petroleum Hydrocarbons (TPH))	10	630 mg/Kg
Total BTEX		< 0.01 mg/Kg
Individual BTEX Constituents		
Benzene	0.01	< 0.01 mg/Kg
Toluene	0.01	< 0.01 mg/Kg
Ethylbenzene	0.01	< 0.01 mg/Kg
Xylenes - meta and para	0.02	< 0.02 mg/Kg
Xylenes - ortho	0.01	< 0.01 mg/Kg

Quality Control Data

BTEX QC	B2208	TPH QC	T2210
Method Blank	< 0.01	Method Blank	<10
Duplicate Analyses %RPD	0.0	Duplicate Analyses %RPD	5.9
a,a,a -trifluorotoluene	92.0	Matrix Spike	94.0
tetrachloroethylene	86.0		
isopropylbenzene	82.0		
Matrix Spike	99.0		

Comment:

Reviewed By: Wayne L Dirks
Enviro-Tech Laboratories, Inc.

[redacted] CHAIN [redacted] CUS[redacted]DY [redacted]ORD [redacted]

Enviro-Tech *Laboratories, Inc.*

1773 S. A&M Ave., San Angelo, Texas 76901
Phone: (915) 944-1302 / Fax: (915) 942-9693

Submitted By	Bill To
Company: COMBETT GEOSCIENCES	Company:
Address: 706 AUSTIN	Address:
SAN ANGELO, TX 76903	
Contact:	Contact:
Phone: 915-655-4302	Phone:
Fax:	Fax:

Collected By (signature): R. RENEAU

Project Description: POOL CO - HOBBS, NM

REQUESTED ANALYSES

Laboratory Number (Lab Use Only)	COLLECTED Date	Time	TYPE Grab	Comp	Sample Identification	Number of Containers	Sample Matrix
95-2629-01	2/8/95	3:08	✓		N. WALL	1	S
-02	2/8/95	3:00	✓		S. WALL	1	S
-03	2/8/95	2:58	✓		E. WALL	1	S
-04	2/8/95	3:02	✓		W. WALL	1	S
-05	2/8/95	2:55		✓	FLOOR (3 PART COMP)	1	S
-06	2/8/95	3:05		✓	STOCKPILE	2	S

BTEX / TPH	TCLP VOLATILES	8 RCRA METALS (TCLP)	RCI
✓			
✓			
✓			
✓			
✓			
✓	✓	✓	✓

Page ___ of ___

Comment:

2 containers collected from stockpile. ANALYZE ONLY 1. THE OTHER IS EXTRA IF NEEDED.

Preservatives added:

REQUESTED TURNAROUND TIME:
[✓] Standard [ ] 50% Rush [ ] 100% Emergency [ ] Other _____

LABORATORY TRANSFER [ ] YES

Relinquished By (signature)	Date	Time	Received By (signature)	Date	Time
R. Reneau	2/9/95		[redacted]	2/10/95	10:30A
Relinquished By (signature):	Date:	Time:	Received By (signature):	Date:	Time:
Relinquished By (signature):	Date:	Time:	Received By (signature):	Date:	Time:

For Laboratory Use Only

Sample Temp. On Receipt:	[ ] Cool < 4° C	[ ] Other _____
Preservative Added By Lab:	[✓] None	[ ] Other _____
Sample Container Condition:	[✓] Acceptable	[ ] Unacceptable
Sample Holding Times:	[✓] Acceptable	[ ] Unacceptable

Comments:

Inchcape Testing Services
NDRC Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

DATE RECEIVED : 14-FEB-1995

REPORT NUMBER : D95-1304-1
REPORT DATE : 24-FEB-1995

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ADDRESS : 117 S. A & M Ave.
: San Angelo, TX 76901
ATTENTION : Mr. Waymond Dixon

SAMPLE MATRIX : Soil
ID MARKS : Stockpile
PROJECT : Pool Co.-Hobbs,NM
DATE SAMPLED : 8-FEB-1995
ANALYSIS METHOD : 40 CFR 261.21 /1
ANALYZED BY : KPP
ANALYZED ON : 18-FEB-1995
QC BATCH NO : 219057A

IGNITABILITY		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Ignitability (by Definition)		Not Ignitable *

* This sample does not meet the definition of ignitability according to 40 CFR 261.21

Martin Jeffus
General Manager

Inchcape Testing Services
NDRC Laboratories

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DATE RECEIVED : 14-FEB-1995

REPORT NUMBER : D95-1304-1
REPORT DATE : 24-FEB-1995

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ADDRESS : 117 S. A & M Ave.
: San Angelo, TX 76901
ATTENTION : Mr. Waymond Dixon

SAMPLE MATRIX : Soil
ID MARKS : Stockpile
PROJECT : Pool Co.-Hobbs,NM
DATE SAMPLED : 8-FEB-1995
PREPARATION METHOD : EPA 1311/5030
PREPARED BY : GWG
PREPARED ON : 16-FEB-1995
ANALYSIS METHOD : EPA 1311/8240 /1
ANALYZED BY : RDG
ANALYZED ON : 20-FEB-1995
DILUTION FACTOR : 20
QC BATCH NO : ITS6-363

TCLP VOLATILE ORGANICS		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Benzene	0.10 mg/L	< 0.10 mg/L
Carbon tetrachloride	0.10 mg/L	< 0.10 mg/L
Chlorobenzene	0.10 mg/L	< 0.10 mg/L
Chloroform	0.10 mg/L	< 0.10 mg/L
1,4-Dichlorobenzene	0.10 mg/L	< 0.10 mg/L
1,2-Dichloroethane	0.10 mg/L	< 0.10 mg/L
1,1-Dichloroethene	0.10 mg/L	< 0.10 mg/L
Methyl ethyl ketone	1.00 mg/L	< 1.00 mg/L
Tetrachloroethene	0.10 mg/L	< 0.10 mg/L
Trichloroethene	0.10 mg/L	< 0.10 mg/L
Vinyl chloride	0.20 mg/L	< 0.20 mg/L

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REPORT NUMBER : D95-1304-1
ANALYSIS METHOD : EPA 1311/8240 /1

QUALITY CONTROL DATA		
SURROGATE COMPOUND	SPIKE LEVEL	SPIKE RECOVERED
1,2-Dichloroethane-d4 (SS)	50.0 µg/L	98.9 %
Toluene-d8 (SS)	50.0 µg/L	95.0 %
Bromofluorobenzene (SS)	50.0 µg/L	90.5 %

Martin Jeffus
General Manager

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DATE RECEIVED : 14-FEB-1995

REPORT NUMBER : D95-1304-1
REPORT DATE : 24-FEB-1995

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ADDRESS : 117 S. A & M Ave.
: San Angelo, TX 76901
ATTENTION : Mr. Waymond Dixon

SAMPLE MATRIX : Soil
ID MARKS : Stockpile
PROJECT : Pool Co.-Hobbs,NM
DATE SAMPLED : 8-FEB-1995

TCLP METALS			
TEST REQUESTED		DETECTION LIMIT	RESULTS
Silver	/1	0.01 mg/L	< 0.01 mg/L
Dilution Factor : 1 Prepared using EPA 1311/3015 on 16-FEB-1995 by T_L Analyzed using EPA 6010A on 17-FEB-1995 by JLW QC Batch No : 10311			
Arsenic	/1	0.1 mg/L	0.1 mg/L
Dilution Factor : 1 Prepared using EPA 1311/3015 on 16-FEB-1995 by T_L Analyzed using EPA 6010A on 20-FEB-1995 by MDB QC Batch No : 10311			
Barium	/1	0.5 mg/L	1.0 mg/L
Dilution Factor : 1 Prepared using EPA 1311/3015 on 16-FEB-1995 by T_L Analyzed using EPA 6010A on 17-FEB-1995 by JLW QC Batch No : 10311			
Cadmium	/1	0.010 mg/L	0.017 mg/L
Dilution Factor : 1 Prepared using EPA 1311/3015 on 16-FEB-1995 by T_L Analyzed using EPA 6010A on 19-FEB-1995 by MES QC Batch No : 10311			
Chromium	/1	0.010 mg/L	< 0.010 mg/L
Dilution Factor : 1 Prepared using EPA 1311/3015 on 16-FEB-1995 by T_L Analyzed using EPA 6010A on 17-FEB-1995 by JLW QC Batch No : 10311			

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TCLP METALS			
TEST REQUESTED		DETECTION LIMIT	RESULTS
Mercury	/1	0.001 mg/L	< 0.001 mg/L
Dilution Factor : 1 Prepared using EPA 1311/7470 on 16-FEB-1995 by T_L Analyzed using EPA 7470 on 20-FEB-1995 by CGJ QC Batch No : HG-1248			
Lead	/1	0.050 mg/L	0.071 mg/L
Dilution Factor : 1 Prepared using EPA 1311/3015 on 16-FEB-1995 by T_L Analyzed using EPA 6010A on 17-FEB-1995 by JLW QC Batch No : 10311			
Selenium	/1	0.250 mg/L	< 0.250 mg/L
Dilution Factor : 1 Prepared using EPA 1311/3015 on 16-FEB-1995 by T_L Analyzed using EPA 6010A on 20-FEB-1995 by MDB QC Batch No : 10311			

Martin Jeffus
General Manager

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DATE RECEIVED : 14-FEB-1995

REPORT NUMBER : D95-1304-1
REPORT DATE : 24-FEB-1995

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ADDRESS : 117 S. A & M Ave.
: San Angelo, TX 76901
ATTENTION : Mr. Waymond Dixon

SAMPLE MATRIX : Soil
ID MARKS : Stockpile
PROJECT : Pool Co.-Hobbs,NM
DATE SAMPLED : 8-FEB-1995

MISCELLANEOUS ANALYSES			
TEST REQUESTED		DETECTION LIMIT	RESULTS
Cyanide, Reactive	/1	0.10 mg/Kg	< 0.10 mg/Kg
Analyzed using EPA 9010 on 14-FEB-1995 by GGD QC Batch No : 200053A/336024A			
Corrosivity(pH)	/1		Non-corrosive
Analyzed using EPA 9040/45 on 16-FEB-1995 by RLR QC Batch No : AB319032A			
pH	/1		8.5
Analyzed using EPA 9045 on 16-FEB-1995 by RLR QC Batch No : AB319032A			
Reactivity	/1		Non-reactive
Analyzed using EPA 9010/9030 on 14-FEB-1995 by GGD QC Batch No : 200053A/336024A			
Total Solids	/1	0.01 %	93.2 %
Analyzed using ASTM D2216 mod. on 16-FEB-1995 by PSS QC Batch No : 362062C			
Sulfide, Reactive	/1	10.0 mg/Kg	< 10.0 mg/Kg
Dilution Factor : 1 Analyzed using EPA 9030 on 14-FEB-1995 by GGD QC Batch No : 200053A/336024A			

Martin Jeffus
General Manager

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NDRC Laboratories

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REPORT DATE : 24-FEB-1995 REPORT NUMBER : D95-1304

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ATTENTION : Mr. Waymond Dixon
PROJECT : Pool Co.-Hobbs,NM

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Benzene	Carbon tetrachloride	Chlorobenzene	Chloroform	1,4-Dichlorobenzene
BATCH NO.	ITS6-363	ITS6-363	ITS6-363	ITS6-363	ITS6-363
LCS LOT NO.	F-0698	F-0698	F-0698	F-0698	F-0698
PREP METHOD	EPA 1311/5030	EPA 1311/5030	EPA 1311/5030	EPA 1311/5030	EPA 1311/5030
PREPARED BY	RDG	RDG	RDG	RDG	RDG
ANALYSIS METHOD	EPA 1311/8240	EPA 1311/8240	EPA 1311/8240	EPA 1311/8240	EPA 1311/8240
ANALYZED BY	RDG	RDG	RDG	RDG	RDG
UNITS	mg/L	mg/L	mg/L	mg/L	mg/L
METHOD BLANK	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
MS RECOVERY %	129	103	93.7	86.3	82.7
MSD RECOVERY %	125	98.5	89.8	84.0	82.5
MS/MSD RPD %	3.15	4.47	4.25	2.70	0.24
BS RECOVERY %	NA	NA	NA	NA	NA
BSD RECOVERY %	NA	NA	NA	NA	NA
BS/BSD RPD %	NA	NA	NA	NA	NA
DUPLICATE RPD %	NA	NA	NA	NA	NA
LCS RECOVERY %	85.4	79.0	85.0	81.2	73.8
SPIKE SAMPLE ID	1371-4	1371-4	1371-4	1371-4	1371-4
DUP SAMPLE ID	---	---	---	---	---

NA Not applicable

Inchcape Testing Services
NDRC Laboratories

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REPORT DATE : 24-FEB-1995 REPORT NUMBER : D95-1304

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ATTENTION : Mr. Waymond Dixon
PROJECT : Pool Co.-Hobbs,NM

LABORATORY QUALITY CONTROL REPORT

ANALYTE	1,2-Dichloroethane	1,1-Dichloroethene	Methyl ethyl ketone	Tetrachloroethene	Trichloroethene
BATCH NO.	ITS6-363	ITS6-363	ITS6-363	ITS6-363	ITS6-363
LCS LOT NO.	F-0698	F-0698	F-0698	F-0698	F-0698
PREP METHOD	EPA 1311/5030	EPA 1311/5030	EPA 1311/5030	EPA 1311/5030	EPA 1311/5030
PREPARED BY	RDG	RDG	RDG	RDG	RDG
ANALYSIS METHOD	EPA 1311/8240	EPA 1311/8240	EPA 1311/8240	EPA 1311/8240	EPA 1311/8240
ANALYZED BY	RDG	RDG	RDG	RDG	RDG
UNITS	mg/L	mg/L	mg/L	mg/L	mg/L
METHOD BLANK	< 0.00500	< 0.00500	< 0.05000	< 0.00500	< 0.00500
MS RECOVERY %	89.1	77.1	70.8	83.6	81.7
MSD RECOVERY %	87.5	75.9	69.9	78.1	78.9
MS/MSD RPD %	1.81	1.57	1.28	6.80	3.49
BS RECOVERY %	NA	NA	NA	NA	NA
BSD RECOVERY %	NA	NA	NA	NA	NA
BS/BSD RPD %	NA	NA	NA	NA	NA
DUPLICATE RPD %	NA	NA	NA	NA	NA
LCS RECOVERY %	80.6	74.2	61.8	76.6	77.2
SPIKE SAMPLE ID	1371-4	1371-4	1371-4	1371-4	1371-4
DUP SAMPLE ID	---	---	---	---	---

NA Not applicable

Inchcape Testing Services
NDRC Laboratories

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REPORT DATE : 24-FEB-1995 REPORT NUMBER : D95-1304

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ATTENTION : Mr. Waymond Dixon
PROJECT : Pool Co.-Hobbs,NM

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Vinyl chloride	Silver	Arsenic	Barium	Cadmium
BATCH NO.	ITS6-363	10311	10311	10311	10311
LCS LOT NO.	F-0698	491229	491229	491229	491229
PREP METHOD	EPA 1311/5030	EPA 1311/3015	EPA 1311/3015	EPA 1311/3015	EPA 1311/3015
PREPARED BY	RDG	T_L	T_L	T_L	T_L
ANALYSIS METHOD	EPA 1311/8240	EPA 6010A	EPA 6010A	EPA 6010A	EPA 6010A
ANALYZED BY	RDG	JLW	MDB	JLW	MES
UNITS	mg/L	mg/L	mg/L	mg/L	mg/L
METHOD BLANK	< 0.01000	<0.010000	<.100	<0.500	<.01
MS RECOVERY %	65.1	98.0	115	107	105
MSD RECOVERY %	63.6	100	113	108	106
MS/MSD RPD %	2.33	2.02	2.58	0.44	0.19
BS RECOVERY %	NA	NA	NA	NA	NA
BSD RECOVERY %	NA	NA	NA	NA	NA
BS/BSD RPD %	NA	NA	NA	NA	NA
DUPLICATE RPD %	NA	NC	NC	NC	NC
LCS RECOVERY %	60.6	103	116	106	107
SPIKE SAMPLE ID	1371-4	1345-1	1345-1	1345-1	1345-1
DUP SAMPLE ID	---	1345-1	1345-1	1345-1	1345-1

NA Not applicable
NC Not calculable

Inchcape Testing Services
NDRC Laboratories

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Fax. 214-238-5592

REPORT DATE : 28-FEB-1995 REPORT NUMBER : D95-1304

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ATTENTION : Mr. Waymond Dixon

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Chromium	Mercury	Lead	Selenium	Cyanide, Reactive
BATCH NO.	10311	HG-1248	10311	10311	200053A/336024A
LCS LOT NO.	491229	AB300-6	491229	491229	AB-106-25-J
PREP METHOD	EPA 1311/3015	EPA 1311/7470	EPA 1311/3015	EPA 1311/3015	---
PREPARED BY	T_L	T_L	T_L	T_L	---
ANALYSIS METHOD	EPA 6010A	EPA 7470	EPA 6010A	EPA 6010A	EPA 9010
ANALYZED BY	JLW	CGJ	JLW	MDB	GGD
UNITS	mg/L	mg/L	mg/L	mg/L	mg/Kg
METHOD BLANK	<0.010	<.001	<0.050	<.25	< 0.10000
MS RECOVERY %	103	107	96.9	115	NA
MSD RECOVERY %	103	99.0	104	118	NA
MS/MSD RPD %	0.19	7.77	6.78	2.04	NA
BS RECOVERY %	NA	NA	NA	NA	NA
BSD RECOVERY %	NA	NA	NA	NA	NA
BS/BSD RPD %	NA	NA	NA	NA	NA
DUPLICATE RPD %	NC	NC	NC	NC	NA
LCS RECOVERY %	102	106	107	117	23.8
SPIKE SAMPLE ID	1345-1	1299-3	1345-1	1345-1	---
DUP SAMPLE ID	1345-1	1299-3	1345-1	1345-1	---

NA Not applicable
NC Not calculable

Inchcape Testing Services
NDRC Laboratories

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Fax. 214-238-5592

REPORT DATE : 24-FEB-1995 REPORT NUMBER : D95-1304

SAMPLE SUBMITTED BY : Enviro-Tech Laboratories
ATTENTION : Mr. Waymond Dixon
PROJECT : Pool Co.-Hobbs,NM

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Sulfide, Reactive	pH
BATCH NO.	200053A/336024A	AB319032A
LCS LOT NO.	AB-002-90-H	ERA 9963
PREP METHOD	---	---
PREPARED BY	---	---
ANALYSIS METHOD	EPA 9010	EPA 9040/45
ANALYZED BY	GGD	RLR
UNITS	mg/Kg	---
METHOD BLANK	< 10.0	NA
MS RECOVERY %	NA	NA
MSD RECOVERY %	NA	NA
MS/MSD RPD %	NA	NA
BS RECOVERY %	NA	NA
BSD RECOVERY %	NA	NA
BS/BSD RPD %	NA	NA
DUPLICATE RPD %	NA	3.87
LCS RECOVERY %	10.0	98.9
SPIKE SAMPLE ID	---	---
DUP SAMPLE ID	---	1308-1

NA Not applicable

CHAIN OF CUSTODY RECORD

Enviro-Tech *Laboratories, Inc.*
117 S. A&M Ave., San Angelo, Texas 76901
Phone: (915) 944-1302 / Fax: (915) 942-9693

Submitted By		Bill To	
Company:	Enviro-Tech	Company:	Same
Address:		Address:	
Contact:		Contact:	
Phone:		Phone:	
Fax:		Fax:	

Collected By (signature): R.R.

Project Description: Pool Co. - Hobbs, NM

Page 1 of 1

Comment: Due 2/24/95

Laboratory Number (Lab Use Only)	COLLECTED Date	Time	TYPE Grab	Comp	Sample Identification	Number of Containers	Sample Matrix	REQUESTED ANALYSES: TCLP Volatiles	TCLP Metals (8)	RCI Pkg.
	2/8/95				Stockpile	802-1	S	X	X	X

Preservatives added: 1304 - 1

REQUESTED TURNAROUND TIME:
[X] Standard [ ] 50% Rush [ ] 100% Emergency [ ] Other _____

LABORATORY TRANSFER [X] YES

	Relinquished By (signature)	Date	Time	Received By (signature)	Date	Time
1	Wayne L. Dirks	2/13/95	4:30P	K.W. Morgan	2/14/95	1045
2						
3						

For Laboratory Use Only

Sample Temp. On Receipt:	[ ] Cool < 4° C	[ ] Other _____
Preservative Added By Lab:	[ ] None	[ ] Other _____
Sample Container Condition:	[ ] Acceptable	[ ] Unacceptable
Sample Holding Times:	[ ] Acceptable	[ ] Unacceptable

Comments: COOLER TEMPERATURE WHEN RECEIVED 4 °C

ORIGINAL

SCREENED FOR RADIOACTIVITY 2/14/95 Kum

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
Distric III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Pool Company Telephone: (505) 393-5161

Address: CARLSBAD Hwy. ; P.O. Box 1198 ; Hobbs, NM. 88240

Facility Or: Pool Company - Hobbs
Well Name

Location: Unit or Qtr/Qtr Sec _____ Sec _____ T _____ R _____ County _____

Pit Type: Separator _____ Dehydrator _____ Other _____

Land Type: BLM ____, State ____, Fed ____, Other _____

Pit Location: (Attach diagram) Pit dimensions: length 15', width 10', depth 12'

Reference: wellhead ____, other Shop

Footage from reference: 160 FT

Direction from reference: 0 Degrees ___ East North X of ___ West South ___

Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)
	50 feet to 99 feet	(10 points)
	Greater than 100 feet	(0 points) 10
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes	(20 points)
	No	(0 points) 0
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)
	200 feet to 1000 feet	(10 points)
	Greater than 1000 feet	(0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 8 FEB. 1995 Date Completed: 9 FEB. 1995

Remediation Method: Excavation X Approx. cubic yards 42.2

Landfarmed X In situ Bioremediation ____

Other _____

Remediation Location: Onsite X Offsite _____

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: OVEREXCAVATION OF PIT WITH SOIL SAMPLES COLLECTED AT BASE OF EACH WALL AND FROM FLOOR OF PIT. EXCAVATED SOIL STOCKPILED IN LINED (PLASTIC) BERMED CELL. STOCKPILED SOIL TO BE NATURALLY BIOREMEDIATED AND SAMPLED ON QUARTERLY BASIS (FOLLOWING OCD APPROVAL).

Ground Water Encountered: No X Yes ____ Depth _____

Final Pit: Sample location BASE OF PIT WALLS & PIT FLOOR

Closure Sampling: STOCKPILED SOIL, PIT FLOOR & BASE OF EACH WALL

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 12-FT

Sample date 8 FEB. 1995 Sample time 3:00 PM

Sample Results

Benzene (ppm) <0.01

Total BTEX (ppm) <0.01

Field headspace (ppm) N.T.

TPH SEE TABLE 3.1

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

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

DATE 19 FEBRUARY 1995

SIGNATURE R. Reneau PRINTED NAME AND TITLE RANDALL RENEAU GEOLOGIST

STORM WATER POLLUTION PREVENTION PLAN

FOR POOL COMPANY

HOBBS, NEW MEXICO

15 September 1993

Prepared for POOL COMPANY

by: Lynne Fahlquist, Linda Dowell and Kyle B. Combest

COMBEST GEOSCIENCE

Austin, Texas

CONTENTS

Attachments

POOL COMPANY

Hobbs, New Mexico

STORM WATER POLLUTION PREVENTION PLAN	
Emergency Contact: Tim Parker	Work Phone: (505) 393-5161
Title: Area Manager	Emergency Phone: (505) ~~392-8119~~ 397-6525
Secondary Contact: Frank Marquez	Work Phone: (505) 393-5161
Title: Rig Supervisor	Emergency Phone: (505) 396-2008
Type of Manufacturer: Oil Field Service Industry	
Operating Schedule: 5:30 a.m. - 6:30 p.m.	
Number of Employees: approximately 65	
Average Wastewater Discharge: NA	
NPDES Permit Number:	

Prepared: 15 September 1993

Pollution Prevention Team Member Roster	Worksheet #1 Completed By: Fahlquist, Combest Title: Environmental Geologist Date: 14 September 1993

Leader: ~~Phil Altman~~ Steve Carlson Title: District Manager

Office Phone: 915-~~651-2397~~ 689-4219

Responsibilities: Signatory authority.

Members:

(1) Tim Parker Title: Area Manager

Office Phone: 505-393-5161

Responsibilities: Implement plan, keep records, ensure report preparation and submittal, note process changes, conduct inspections.

(2) Frank Marquez Title: Rig Supervisor

Office Phone: 505-393-5161

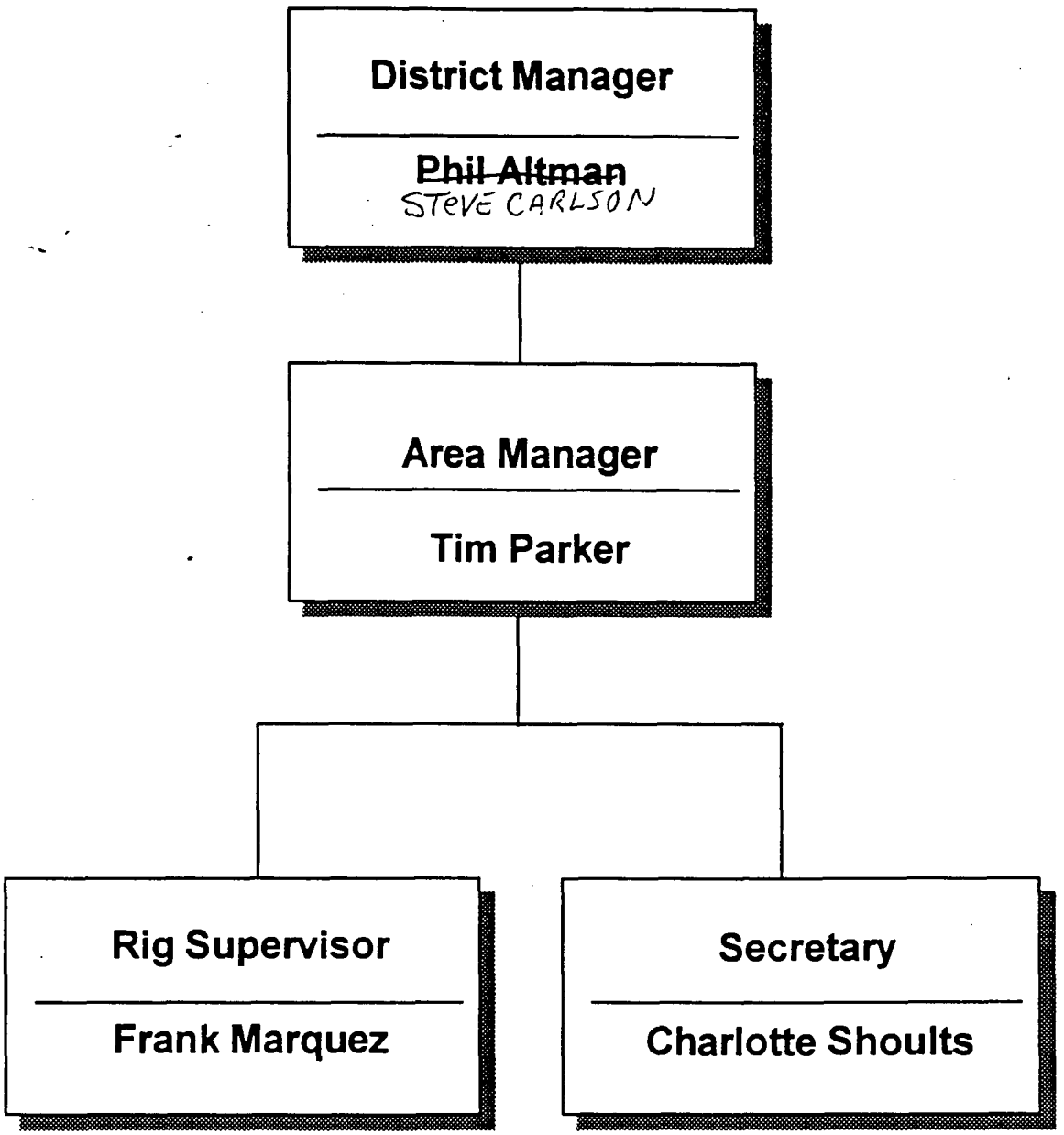
Responsibilities: Oversee good housekeeping, preventative maintenance, routine inspections.

(3) Charlotte Shoults Title: Secretary

Office Phone: 505-393-5161

Responsibilities: Maintain records, additional emergency contact.

Pollution Prevention Team
Organizational Chart



POOL COMPANY - HOBBS, NEW MEXICO

Storm Water Pollution Prevention Plan

Comparison with:

Pool Company (Texas) Inc. Environmental Management Guidelines for Well Servicing, Production and Saltwater Disposal Facilities

Field Manual

Nov 11, 1992

POOL COMPANY Hobbs, New Mexico does not have existing plans or manuals for comparison; however, POOL COMPANY Winters, Texas has a field manual from which some information is related to the Storm Water Pollution Plan. Sections in the field manual which provide additional information relevant to storm water pollution are noted below:

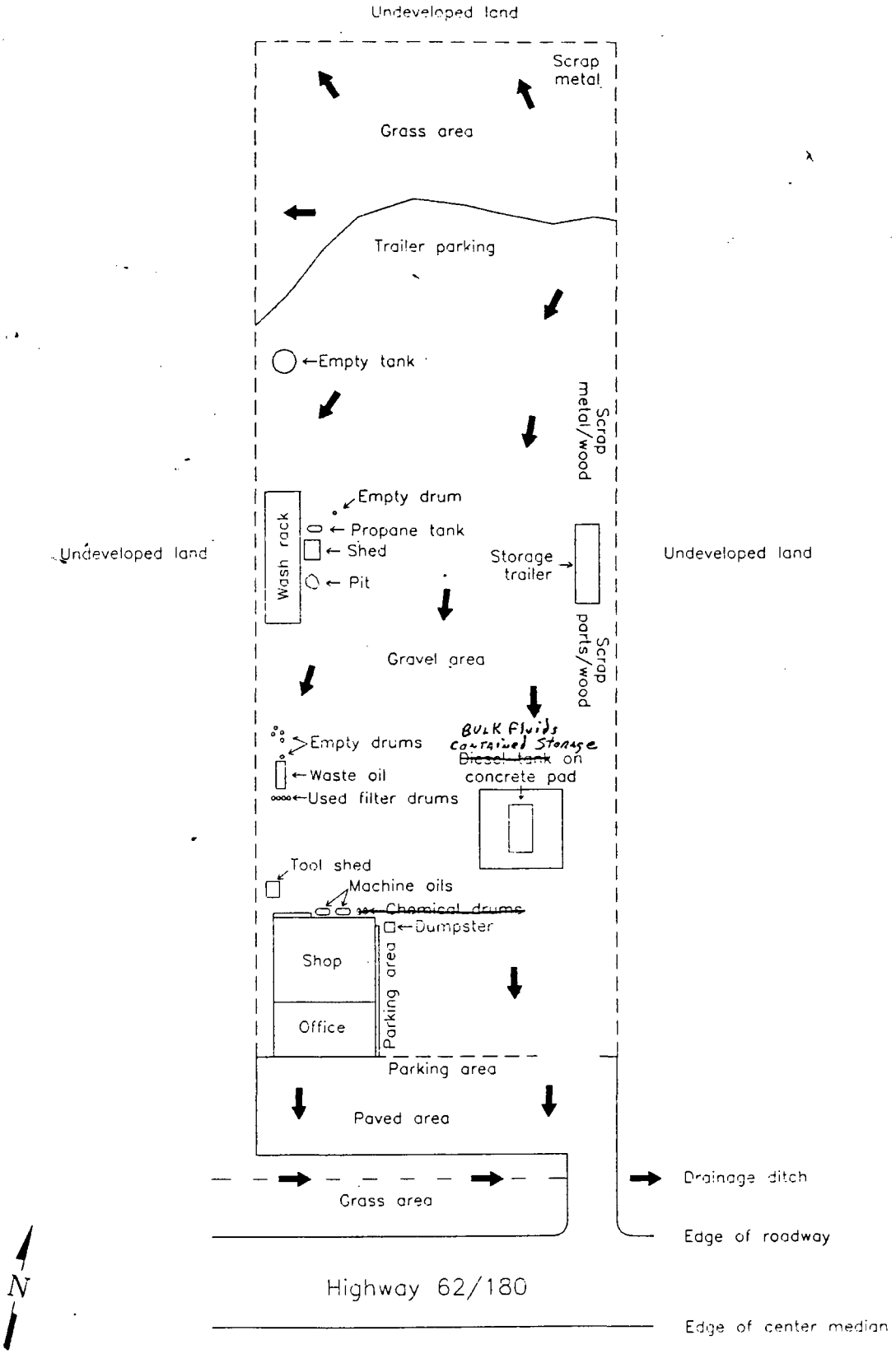
- Above Ground Storage Tanks, Chapter 3, pages 6-8
- Facility Housekeeping, Chapter 4, pages 9-13
- Managing Hazardous Waste, Chapter 5, page 14
- Storm Water Regulations, Chapter 7, pages 21-23
- Environmental Management Guidelines Checklist, Chapter 8, page 24

DEVELOPING A SITE MAP	Worksheet #2 Completed by: Linda Dowell, Lynne Fahlquist Title: Environmental Geologist Date: 14 September 1993

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit (see example maps in Figures 2.3 and 2.4).

EPA's General Permit requires that you indicate the folowing features on your site map:

* All outfalls and storm water discharges
* Drainage areas of each storm water outfall
* Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention / detention ponds
  - Vegetative swales
  - Sediment traps
* Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
* Locations of exposed significant materials (see Section 2.2.2)
* Locations of past spills and leaks (see Section 2.2.3)
* Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify:_____)



COMBEST GEOSCIENCE Austin, Texas Prepared by: L. Dowell Date: 28 Sept. 1993	SCALE 1" = 80' 1 inch	LEGEND Fence Drainage Direction	POOL COMPANY HOBBS, NEW MEXICO SITE MAP

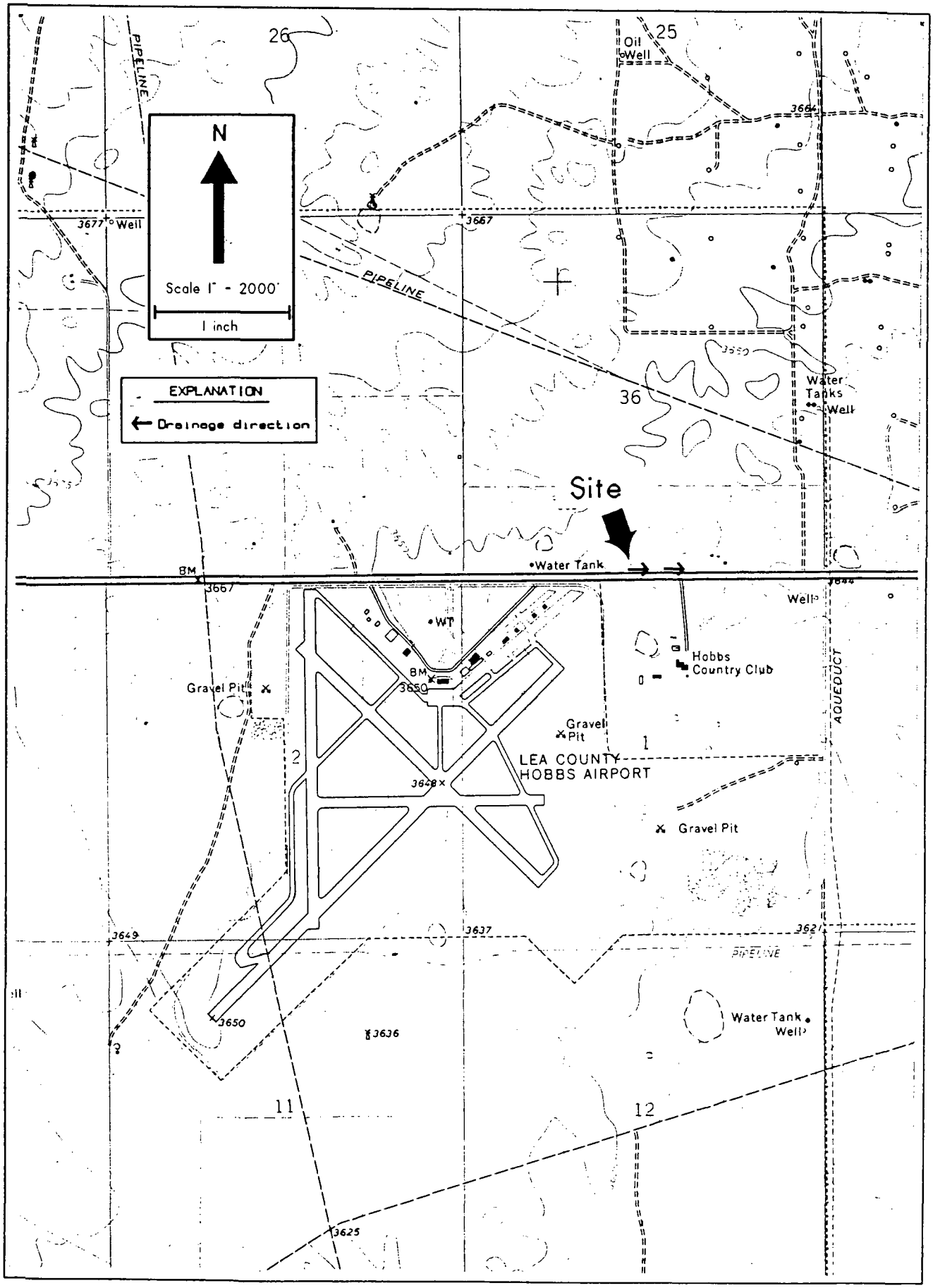


Figure 2. U.S.G.S. topographic map (1:24,000).

MATERIAL INVENTORY	Worksheet #3 Completed by: Lynne Fahlquist, Kyle Combest Title: Environmental Geologist Date: 14 September 1993

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for potential to contribute pollutants to storm water runoff. Also, complete Worksheet 3A if the material has been exposed during the last three years.

Material	Purpose / Location	Quantity (units)			Quantity Exposed in Last 3 years	Likelihood of contact with storm water If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Diesel tank	fuel / east central area			est. 10,000 gal	0	low, 110% containment		X
Wash rack	wash / west central area			----	0	possible		X
Bulk/waste oil	lubricant / west side			est. 300 gal	0	low, secondarily contained		X
Oil and grease	isolated parking areas			----	unknown	yes, open to rainfall		X
Liquid detergent	vehicle wash / wash rack			----	0	low, stored inside		X

DESCRIPTION OF EXPOSED SIGNIFICANT MATERIAL	Worksheet #3A Completed by: Lynne Fahlquist, Kyle Combest Title: Environmental Geologist Date: 14 September 1993

Instructions: Based on your material inventory, describe the significant materials that were exposed to storm water during the past three years and/or are currently exposed. For the definition of "significant materials" see Appendix B of this manual.

Description of Exposed Significant Material	Period of Exposure	Quantity Exposed (units)	Location (as indicated on site map)	Method of Storage or Disposal (e.g., pile, drum, tank)	Description of Material Management Practice (e.g., pile, covered, drum sealed)
Localized oil/grease	varies	isolated	parking, fuel, wash areas	surface	surface
stains		areas			
Wash rack	unknown	unknown	west side	sump	paved, with sump
Diesel fuel stains	unknown	unknown	fuel area	surface	surface
Bulk/waste oil	unknown	unknown	behind shop	small tanks	secondarily contained tanks

LIST OF SIGNIFICANT SPILLS AND LEAKS	Worksheet #4 Completed by: Lynne Fahlquist, Kyle Combest Title: Environmental Geologist Date: 14 September 1993

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Yr Prior

Date (mo/day/yr)	Spill	Leak	Location as indicated on Site Map	Description				Response Procedure		Preventative Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
1993 NONE										

2nd Yr Prior

Date (mo/day/yr)	Spill	Leak	Location as indicated on Site Map	Description				Response Procedure		Preventative Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
1992 NONE										

3rd Yr Prior

Date (mo/day/yr)	Spill	Leak	Location as indicated on Site Map	Description				Response Procedure		Preventative Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
1991 NONE										

NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION			Worksheet #5 Completed by: Lynne Fahlquist, Linda Dowell Title: Environmental Geologist Date: 14 September 1993		
Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
14 Sept 93	Facility discharge points	Visual inspection	No non-storm water discharges observed	None observed	L. Fahlquist L. Dowell

CERTIFICATION

I, N. Petronio (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print) Nicholas Petronio; V.P., U.S. Land Opns.	B. Area Code and Tel. No. (713)954-3000
C. Signature N. Petronio	D. Date signed November 21, 1993

Pool Company - Hobbs, New Mexico

Site Assessment Inspection

September 14, 1993

Evaluate the site for pollutants.

There are 3 areas where material handling and storage activities take place.

Removed 11-94

- There is a diesel fuel tank present. A remote potential for spills or leaks from the diesel tank exists; the tank is double-walled (110% containment) and the fuel is sufficiently contained. Spills are possible from leaking hoses, pump, or valves attached to the fuel tank. Any soluble diesel fuel compounds could then be picked up in storm water and gradually flow toward Highway 62/80.

- There is an area where bulk and waste oil and used oil filters are stored. The bulk and waste oil are secondarily contained in tanks above vats. The used oil filters are stored in old drums which are not secondarily contained. The vats are open to rainfall and could conceivably overflow in severe storms.

- There is a wash facility present on site. The wash area is partially covered with two walls that prevent lateral loss of wash water. The wash area is paved with a sump in the center and all wash water is contained within the wash area.

Describe existing management practices.

The site is flat which results in a low volume of runoff except during the severest storms.. Vehicles are routinely washed at the wash rack. The wash rack has two walls that prevent lateral loss of wash water. Solid waste is regularly removed from the yard area. The diesel fuel tank is constructed of double walls and rated for 110% containment. Bulk and waste oil area secondarily contained.

WASH RACK Closed - Leech Field being Removed
Bulk Diesel Tank Removed

Worksheet #6. Existing Storm Water Monitoring Data

Date of Sampling	None Available
Outfall Sampled	
Type of Storm	
Type of Samplers	

Data		
Parameter	Quantity	Sample Type

*** No Existing Monitoring Data for the Site ***

Pool Company - Hobbs, New Mexico

Summary of Pollutant Sources

September 14, 1993

Based on the site assessment inspection conducted on 14 September 1993, the pollution prevention team identified 3 potential sources of pollutants:

- Oil/grease and fuel stains in parking areas and fuel area
- Potential contaminants from wash rack area
- Potential contaminants from bulk/waste oil and used oil filters.

Hobbs Pool Company

Description of Storm Water Management Measures Taken

Based on Site Assessment Phase

September 14, 1993

These recommended practices correspond to the pollutant sources identified on the preceding page.

Oil/grease and fuel stains

Remove stains from parking and fuel areas. Treat the solids in a bioremediation surface unit by using appropriate treatment methods and permits. Do not top off vehicles when fueling. Check hoses and valves at each use. Berm fuel transfer area.

Bulk/waste oil

Store under cover if possible. Regularly remove fluid waste from secondary containers. Store used oil filter containers under cover with secondary containment.

Wash rack

Berm ends of wash rack area. Improve sump and regularly remove waste water.

POLLUTANT SOURCE IDENTIFICATION (Section 2.2.6)	Worksheet #7 Completed by: Lynne Fahlquist, Kyle Combest Title: Environmental Geologist Date: 14 September 1993

Instructions: List all identified storm water pollutant sources and describe existing management practices that address those sources. In the third column, list BMP options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1. Diesel tank	Inspection, 110% containment	Berm fuel transfer area. Inspect valves and hoses.
2. Trash receptacles	Regularly emptied, no liquid waste, not overfilled	Close lids when not in use.
3. Oil/grease and fuel stains		Use shovel to remove stained areas.
4. Detergent / degreaser	Stored under cover	Use phosphate-free detergent.
5. Bulk/waste oil	Secondary containment	Regularly clean secondary containment. Cover if possible.
6. Oil / grease and fuel stains		
7.		
8.		
9.		
10.		

BMP IDENTIFICATION (Section 2.3.1)	Worksheet #7a Completed by: Lynne Fahlquist, Kyle Combest Title: Environmental Geologist Date: 14 September 1993

Instructions: Describe the Best Management Practices that you have selected to include in your plan. For each of the baseline BMPs, describe actions that will be incorporated into facility operations. Also describe any additional BMPs [activity-specific, (Chapter 3) and site-specific BMPs (Chapter 4)] that you have selected. Attach additional sheets if necessary.

BMPs	Brief Description of Activities
Good Housekeeping	Wash vehicles and rigs frequently. Maintain regular trash pick-up and cleaning. Remove unusable scraps, parts, tires, and drums.
Preventative Maintenance	
Inspections	Inspect tanks, hoses, and valves regularly. Inspect vehicles regularly. Inspect site regularly.
Spill Prevention Response	Berm fuel transfer area. Avoid topping off of vehicles. Improve wash rack sump. Regularly inspect secondary containment for oil.
Sediment and Erosion Control	No erosion observed.
Management of Runoff	Flat area - runoff management unnecessary.
Additional BMPs (Activity-specific and Site-specific)	

Pool Company - Hobbs, New Mexico

Employee Training Program

Who:

ALL EMPLOYEES should become familiar with the STORM WATER POLLUTION PREVENTION PLAN.

When:

Either annually, or as needed, meetings should be scheduled by the PLAN coordinator to discuss:

- Employee training
- Good housekeeping, spill prevention and response procedures, and material handling practices
- Any changes to the PLAN
- Any new Management practices

Refresher training is recommended annually for all employees to address the following Employee Training Program Topics:

Good Housekeeping

- Review and demonstrate basic cleanup procedures
- Clearly indicate proper disposal methods and locations
- Post signs in materials handling areas reminding staff of good housekeeping procedures
- Ensure that employees know where routine clean-up equipment is located

Spill Prevention and Response

- Clearly identify potential spill areas and drainage routes
- Familiarize employees with past spill events -- why they happened and the environmental impact
- Post warning signs in spill areas with emergency contacts and telephone numbers

Spill Prevention and Response cont.

- Identify the Spill Response Coordinator and his/her "team"
- Practice spill clean-up procedures
- Post the locations of spill clean-up equipment and the persons responsible for operating the equipment

Materials Handling and Storage

- Be sure employees are aware which materials are hazardous, where those materials are stored, and how they are properly handled
- Point out container labels; make sure containers are properly labeled with NFPA Hazard Labels
- Demonstrate how valves are tightly closed and how drums should be sealed
- Show how to fuel vehicles and avoid "topping off"

IMPLEMENTATION (Section 2.4.1)	Worksheet #8 Completed by: Lynne Fahlquist, Kyle Combest Title: Environmental Geologist Date: 14 September 1993

Instructions: Develop a schedule for implementing each BMP. Provide a brief description of each BMP, the steps necessary to implement the BMP (i.e., any construction or design), the schedule for completing those steps (list dates) and the person(s) responsible for implementation.

BMPs	Description of Action(s) Required for Implementation	Scheduled Completion Date(s)	Person Responsible for Action	Notes
Good Housekeeping	1. Clean vehicles and rigs, stored equipment and parts	01 Oct 1993	Operator	
	2. Regular trash pick-up and cleaning	01 Oct 1993	All Employees	
	3. Remove unusable scraps, old drums	01 Jan 1994	Tim Parker	
Preventative Maintenance	1.			
	2.			
	3.			
Inspections	1. Inspect tanks, barrels, hoses, valves	01 Oct 1993	Operator	
	2. Inspect vehicles	01 Oct 1993	Operator	
	3. Inspect rigs	01 Oct 1993	Operator	
Spill Prevention and Response	1. Develop spill training	01 Oct 1993	Tim Parker	
	2. Improve wash rack sump	01 Jan 1994	Tim Parker	on-going
	3.			
Sediment and Erosion Control	1.			
	2.			
	3.			
Management of Runoff	1. BMPs already in place			
	2.			
	3.			
Additional BMPs (Activity and Site-Specific)	1.			
	2.			
	3.			

EMPLOYEE TRAINING (Section 2.4.2)	Worksheet #9 Completed by: Lynne Fahlquist, Kyle Combest Title: Environmental Geologist Date: 14 September 1993

Instructions: Describe the employee training program for your facility below. The program should, at a minimum, address spill prevention and response, good housekeeping, and material management practices. Provide a schedule for the training program and list the employees who attend training sessions.

Training Topics	Brief Description of Training Program/Materials (e.g., file, newsletter course)	Schedule for Training (list dates)	Attendees
Spill Prevention and Response	Locate and discuss past spill areas, potential spill areas, explain spill response procedures	Annually or as needed	All Employees
Good Housekeeping	Review good housekeeping practices	Annually or as needed	All Employees
Material Management Practices	Discuss hazardous materials safety, handling, and wastes that are on site	Annually or as needed	All Employees
Other Topics	Environmental / health safety issues and incidents. Reminders of pollution prevention plan issues.	Annually or as needed	All Employees

Attachment A

Photographs

Photo 1. View to northwest showing entrance, parking, office, shop, wash rack (background), and AST (right).

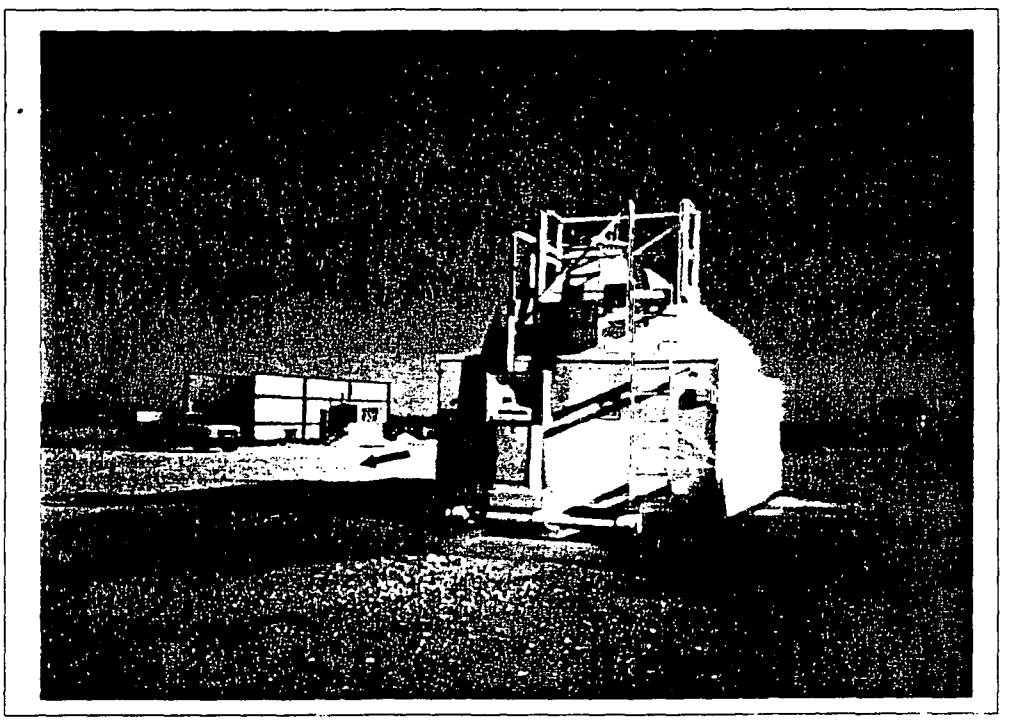


Photo 2. View to northwest showing AST, and wash rack (background).

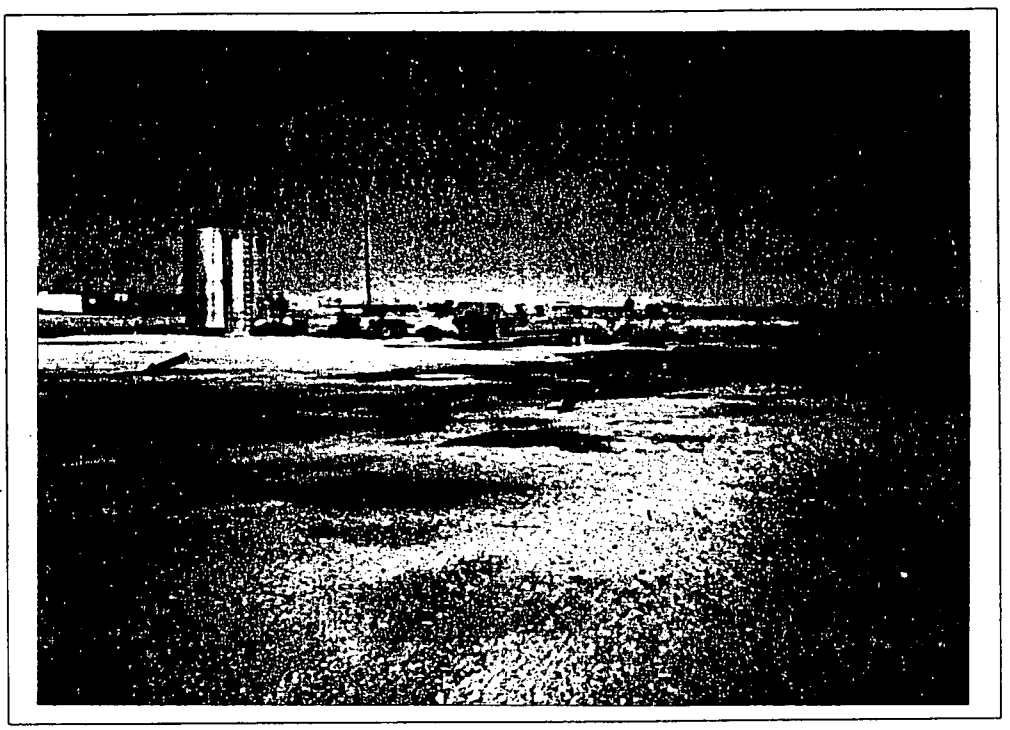


Photo 3. View to northwest showing empty tank and trailer parking.

Photo 4. View to west showing office and shop.

Attachment B

Regulatory Contacts

EPA REGIONAL STORM WATER AND POLLUTION PREVENTION CONTACTS

State	Storm Water Contact	Pollution Prevention Contact
REGION I	Veronica Harrington 617-565-3525	Marl Mahoney 617-565-1155
REGION II	Jose Rivera 212-264-2911	Janet Sapadin 212-264-1925
REGION III	Kevin Magerr 215-597-1651	Roy Denmark 215-597-8327
REGION IV	Roosevelt Childress 404-347-3379	Carol Monell 404-347-7109
REGION V	Peter Swenson 312-886-0236	Louis Blume 312-353-4135
REGION VI	Brent Larsen 214-655-7175	Laura Townsend 214-655-6525
REGION VII	Ralph Summers 913-551-7418	Alan Wehmeyer 913-551-7336
REGION VIII	Vern Berry 303-293-1630	Sharon Childs 303-293-1456
REGION IX	Eugene Bromley 415-744-1906	Jesse Baskir 415-744-2189
REGION X	Steve Bubnick 206-553-3399	Carolyn Gangmark 206-553-4072

From Appendix D of U.S. EPA Rept. No. EPA/832/R-92/006 (Sept. 1992)

STATE STORMWATER AND POLLUTION PREVENTION CONTACTS

State	Storm Water Contact	Pollution Prevention Contact
Oklahoma	Brooks Kirlin 504-231-2500	Chris Varga 405-271-7047
*Oregon	Ranei Nomura 503-229-5256	Roy W. Brower 503-229-6585
*Pennsylvania	R. B. Patel 717-787-8184	Greg Harder 717-772-2724
*Rhode Island	Ed Symanski 401-244-3931	Janet Keller 401-277-3434
*South Carolina	Brigit McDade 803-734-5300	Jeffrey DeBossonet 803-734-4715
South Dakota	Glenn Pieritz 605-773-3351	Vonnie Kallmeyn 605-773-3153
*Tennessee	Robert Haley 615-741-2275	James Ault 615-742-6547
Texas	Randy Wilburn 512-463-8446	Priscilla Seymour 512-463-77661
*Utah	Harry Campbell 801-538-6146	Sonja Wallace 801-538-6170
*Vermont	Brian Kooiker 802-244-5674	Gary Gulka 802-244-8702
*Virgin Islands	Marc Pacifico 809-773-0565	See Region II Contact
*Virginia	Martin Ferguson, Jr. 804-527-5030	Sharon Kenneally-Baxter 804-371-8716
*Washington	Peter Birch 206-438-7076	Stan Springer 206-438-7541
*West Virginia	Jerry Ray 304-348-0375	Dale Moncer 304-348-4000
*Wisconsin	Ann Mauel 608-267-7634	Lynn Persson 608-267-3763
*Wyoming	John Wagner 307-777-7082	David Finley 307-777-7752

From Appendix D of U.S. EPA Rept. No. EPA/832/R-92/006 (Sept. 1992)

CHEMICAL QUALITY OF
NEW MEXICO
COMMUNITY WATER SUPPLIES
-1980-

A Compilation of Chemical
and Physical Data

Environmental Improvement Division
Thomas E. Baca, Director

Water Supply Section

Francisco N. Garcia
Program Manager

Steven T. Pierce
Environmental Scientist

13 - LEA

System Name	El Paso Natural Gas (Monument)	Eunice	Hobbs	Jal 1	Jal 2
Well Name	Well #1	Combination of Wells	Combination of Wells	Well #1	Well #2
Code Number	570-13	215-13	216-13	217-13	217-13
Latitude Longitude				32-02-35 103-06-27	32-02-00 103-24-59
ARSENIC		0.011	<0.007 (2)	<0.005	0.006
BARIUM		0.12	<0.11 (2)	<0.10	<0.10
CADMIUM		<0.001	<0.001 (2)	<0.001	<0.001
CHROMIUM	DATA	<0.005	<0.005 (2)	<0.005	<0.005
FLUORIDE		1.19	1.02	2.59 (2)	2.23 (2)
LEAD		<0.005	<0.006 (2)	0.010	<0.005
MERCURY	NOT	0.0009	<0.0005 (2)	0.0007	<0.0005
NITRATE	2.44	3.87 (2)	1.12 (2)	1.99	1.60 (2)
SILVER		<0.001	<0.006 (2)	<0.001	<0.001
SELENIUM	AVAILABLE	0.004	<0.005 (2)	<0.005	<0.005
GROSS ALPHA			0.0 ± 2.5		
GROSS BETA			0.0 ± 2		
RADIUM-226					
RADIUM-228					
ALKALINITY		175	206	204	179 (2)
BICARBONATE		213.3	251.1	249.4	218.3 (2)
CALCIUM		68.0	88.0	82.4	90.3 (2)
CARBONATE		0.0	0.0	0.0	0.0 (2)
CHLORIDE		33.3	51.8	43.9	61.4 (2)
COLOR		10.3	25.0	1.0	0.0 (2)
CONDUCTANCE		585	737	880	1,070 (2)
FOAMING AGENTS		<0.05	<0.05	<0.05	<0.05 (2)
HARDNESS		210	274	348	409 (2)
IRON		<0.25	0.65	1.15	<0.62 (2)
MAGNESIUM		9.6	12.6	34.8	43.7 (2)
MANGANESE		<0.05	0.13	<0.05	<0.05 (2)
ODOR		none	none	none	none (2)
pH		7.81	7.68	7.97	7.64 (2)
POTASSIUM		3.12	2.73	5.07	4.49 (2)
SODIUM		39.1	52.9	55.2	74.8 (2)
SULFATE		62.6	82.9	168.8	266.6 (2)
T. FILT. RES.		409	494	588	776 (2)
TURBIDITY		0.3	1.6	5.9	3.3 (2)

Geology and Ground-Water Conditions in Southern Lea County, New Mexico

by ALEXANDER NICHOLSON, Jr.
and ALFRED CLEBSCH, JR.

UNITED STATES GEOLOGICAL SURVEY

Prepared in cooperation with the
New Mexico Institute of Mining and Technology,
State Bureau of Mines and Mineral Resources Division
and the New Mexico State Engineer

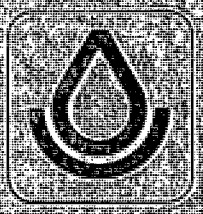
1961

STATE BUREAU OF MINES AND MINERAL RESOURCES
NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY
CAMPUS STATION SOCORRO, NEW MEXICO

Mike Erb

SOIL SURVEY

Lea County, New Mexico



UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
In cooperation with
NEW MEXICO AGRICULTURAL EXPERIMENT STATION
Issued January 1974

(Joins sheet 114)

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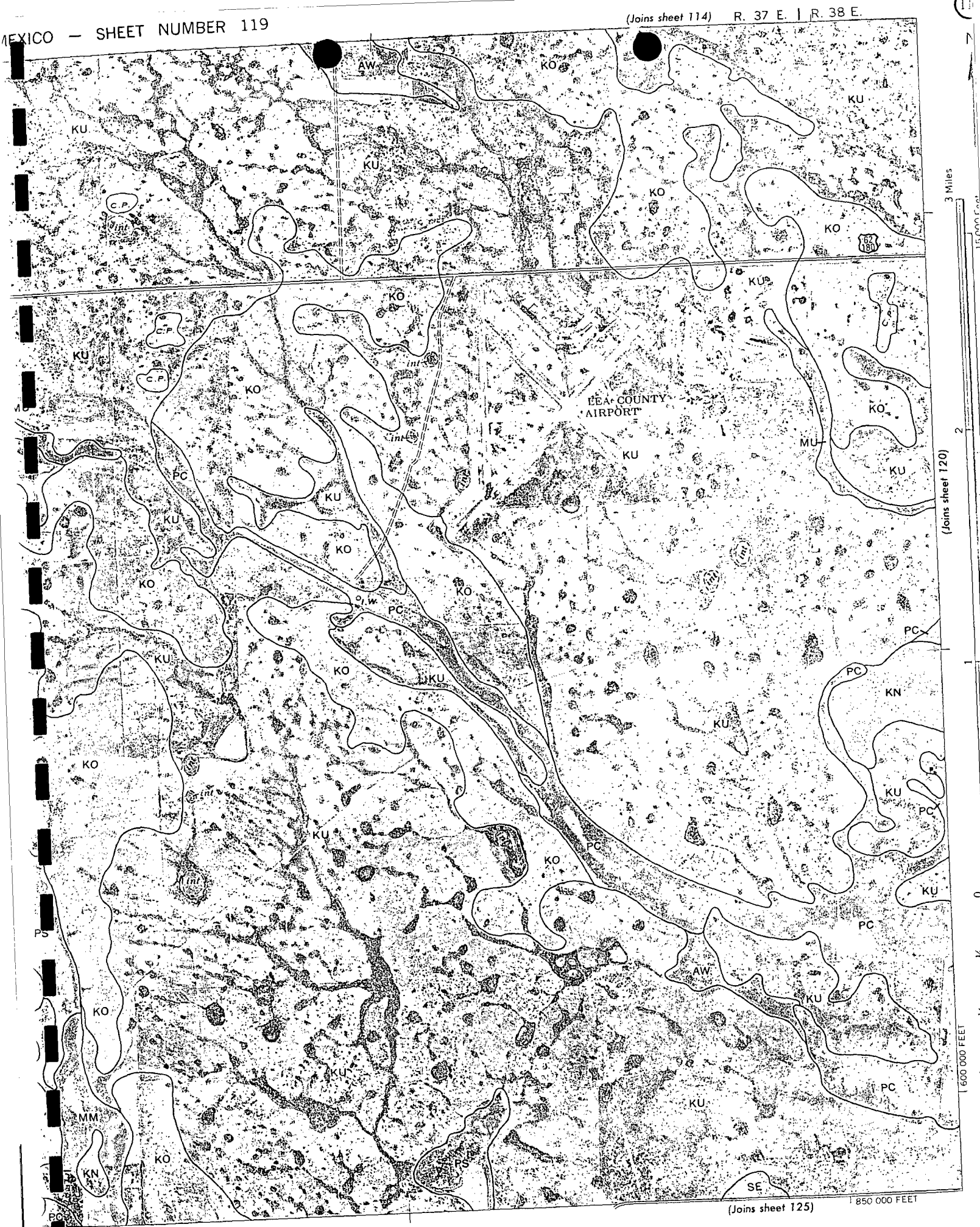

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