



LAW ENGINEERING

GEOTECHNICAL, ENVIRONMENTAL
& CONSTRUCTION MATERIALS
CONSULTANTS

November 13, 1992

NCDEHNR
Groundwater Section
8025 North Point Blvd.
Suite 100
Winston-Salem, NC 27106-3203

Attention: Ms. Sherri Knight
Groundwater Supervisor

Subject: Application for Monitoring Well Construction Permit
Mid-States Oil Company
South Elm Sunoco
Greensboro, North Carolina
Law Engineering Job No. 259-97516-01

Dear Ms. Knight:

Law Engineering on behalf of Mid-State Oil Company, is submitting the attached application for the construction of four ground-water monitoring wells. The proposed monitoring wells are to be installed at the South Elm Sunoco located on South Elm Street in Greensboro, North Carolina.

Please contact me if you have any questions.

Sincerely,

LAW ENGINEERING

Scott C. Veenstra
Project Geologist

NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES
APPLICATION FOR PERMIT TO CONSTRUCT A MONITORING WELL SYSTEM

Date: November 13, 1992 County Guilford

In accordance with the provisions of Article 7, Chapter 87, General Statutes of North Carolina and regulations pursuant thereto, application is hereby made for a permit to monitoring wells.

1. Name of Applicant: Mid-State Oil Co. c/o Sun (Telephone: 215/977-6145)
Applicant's Mailing Address: 1835 Market St. 11PC/9 Philadelphia, PA 19103-2990
2. Name of Property Owner (if different from applicant) _____
Owner's Mailing Address: _____
Scott Veenstra - Law Engineering 919/294-4221
3. Contact Person: Tina Smith - Sun (Telephone: 215/977-6145)
4. Location of Property: 2903 S. Elm Street Greensboro, NC
5. Reason for Monitoring Well(s): Environmental Assessment
(ex: nondischarge permit requirements, suspected contamination, environmental assessment, etc.)
6. Type of facility or site for which the monitoring well(s) is needed: Retail Gasoline Station
(ex: nondischarge facility, waste disposal site, landfill, underground storage tank, etc.)
7. Type of contamination being monitored (if applicable): BTEX and TPH
(ex: nutrients, organics, heavy metals, etc.)
8. Are any existing recovery wells associated with the monitoring well(s)? No If yes, how many? _____
Recovery Well Construction Permit No. _____
9. Distance to a known waste or pollution source: _____ feet
10. Are any water supply wells located less than 500 feet from the proposed monitoring wells? Unknown
If yes, give distance: _____ feet
11. Well Driller: Law Engineering
12. Registration #: 332
13. Driller's Address: 7347-F West Friendly Ave. Greensboro, NC 27410

PROPOSED MONITORING WELL CONSTRUCTION INFORMATION

1. Total Number of Wells to be constructed: 4 ; (A) Number to be completed in bedrock? None
(B) Number to be completed in unconsolidated material? 4
2. Estimated depth of well(s): 30 feet
3. Gravel or sand pack interval (if appropriate)
From 13 feet To 30 feet
4. Type of casing used: PVC
(ex: PVC, stainless steel, galvanized steel, etc.)
5. Diameter of casing: 4 inches

FOR OFFICE USE ONLY	
<input type="checkbox"/>	PERMITTED ACTIVITY
<input type="checkbox"/>	U.S.T. LEAK DETECTION
<input type="checkbox"/>	GROUNDWATER QUALITY STANDARDS VIOLATIONS SUSPECTED FROM UNPERMITTED ACTIVITIES
<input type="checkbox"/>	NOTICE OF NON-COMPLIANCE AT UNPERMITTED FACILITIES
PERMIT NO. _____	ISSUED _____ 19 _____
INCIDENT # _____	

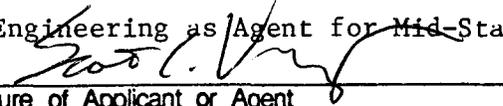
- 6. Thickness of casing: Sch 40 inches
- 7. How will the well(s) be secured? Locking cap and flush cover.
- 8. Estimated beginning construction date: December 1, 1992
- 9. Estimated completion date: February 1, 1992

ADDITIONAL INFORMATION

- 1. ATTACH A SITE MAP SHOWING THE LOCATIONS OF THE FOLLOWING:
 - 1 - PROPOSED MONITORING WELL(S)
 - 2 - ALL EXISTING MONITORING AND RECOVERY WELLS OR TEST BORINGS WITH THE PROPERTY BOUNDARY
 - 3 - ALL WATER SUPPLY WELLS WITHIN 500 FEET OF THE WASTE SOURCES
 - 4 - AT LEAST TWO REFERENCE POINTS (NUMBERED ROADS, INTERSECTIONS, STREAMS, ETC.)
- 2. PROVIDE A WELL CONSTRUCTION DIAGRAM OF EACH WELL SHOWING DIAMETER, ESTIMATED DEPTH, SCREEN INTERVALS, SAND/GRAVEL PACKS, TYPE OF CASING MATERIAL, CASING WALL THICKNESS, WELL HEAD COMPLETION DETAILS, ETC.)

The Applicant hereby agrees the proposed well(s) will be constructed in accordance with approved specifications and conditions of the Well Construction Permit as regulated under the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C) and accepts full responsibility for compliance with these rules.

Law Engineering as Agent for Mid-State Oil Co. / Sun



 Signature of Applicant or Agent

Project Geologist - Law Engineering

 Title (if applicable)

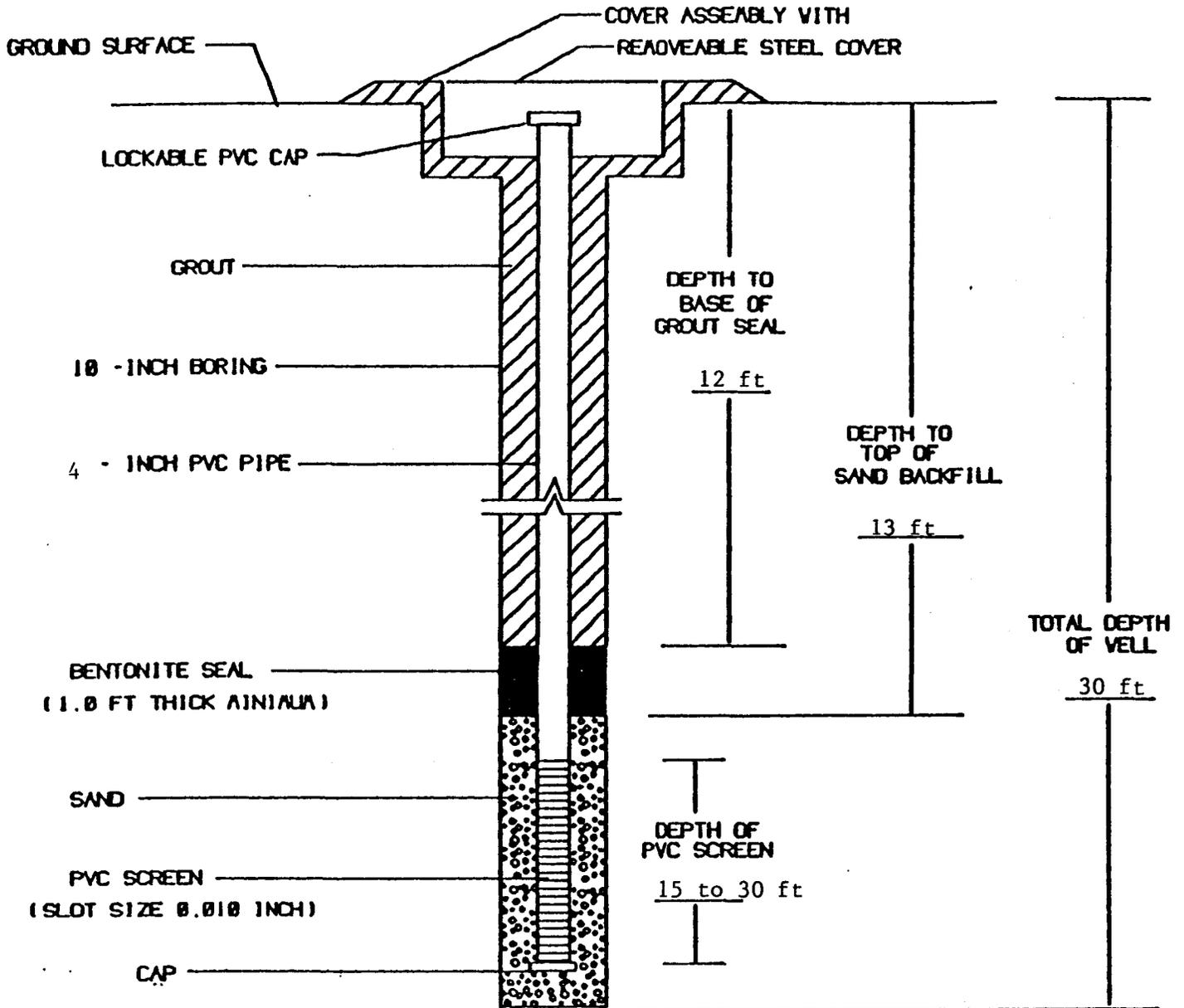
If the property is owned by someone other than the applicant, the property owner hereby consents to allow the applicant to construct monitoring wells as outlined in this application and that it shall be the responsibility of the applicant to ensure that these monitoring wells conform to the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C).

 Signature of Property Owner (if different from applicant)

GROUND-WATER MONITORING WELL INSTALLATION RECORD

- TYPICAL -

JOB NAME Sunoco/Mid-State Oil Company JOB NUMBER _____
WELL NUMBER _____ GROUND SURFACE ELEVATION _____
LOCATION See attached well location figure.
INSTALLATION DATE _____



NOTE: ALL PVC PIPE JOINTS
HAVE SCREW CONNECTORS