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APR 8 1994

Winston-Salem
Regional Office

ERM-Southeast, Inc.

Suite 200
7300 Carmel Executive Park
Charlotte, NC 28226
(704) 541-8345
(704) 541-8416 (Fax)

April 6, 1994

North Carolina Department of Environment,
Health and Natural Resources
Division of Environmental Management
Ground Water Section
8025 North Point Boulevard
Suite 100
Winston-Salem, NC 27106



ERM

**Re: Well Construction Record
Exxon Retail Location 4-3998
4701 W. Market Street
Greensboro, North Carolina**

Dear Sir:

On behalf of Exxon Company, U.S.A., ERM-Southeast, Inc. respectfully submits the monitor well construction records for the monitor wells located at the above referenced site.

Please contact me if there are any questions.

Sincerely,

ERM-Southeast, Inc.

Andrew Nunnally
Environmental Scientist

sc/wp3/4-3998.ltr

**Offices of
ERM-Southeast Inc. in:**

Brentwood, TN (Nashville)
Kennesaw, GA (Atlanta)
Charlotte, NC
Mobile, AL
Memphis, TN

A member of the Environmental
Resources Management Group

FOR OFFICE USE ONLY

Quad. No. _____ Serial No. _____
 Lat. _____ Long. _____ Pc _____
 Minor Basin _____
 Basin Code _____
 Header Ent. _____ GW-1 Ent. _____

WELL CONSTRUCTION RECORD AS/EP-1

DRILLING CONTRACTOR Southeastern Environmental Services
 DRILLER REGISTRATION NUMBER 1141

STATE WELL CONSTRUCTION PERMIT NUMBER: _____

- WELL LOCATION: (Show sketch of the location below)
 Nearest Town: Greensboro
4701 W. Market Street
 (Road, Community, or Subdivision and Lot No.)
- OWNER Exxon Company USA
 ADDRESS PO Box 30451
 (Street or Route No.)
Charlotte NC 28230
 City or Town State Zip Code
- DATE DRILLED 3-8-94 USE OF WELL Air Spurge Pilot Test
- TOTAL DEPTH 40' CUTTINGS COLLECTED Yes No
- DOES WELL REPLACE EXISTING WELL? Yes No
- STATIC WATER LEVEL: _____ FT. above TOP OF CASING,
 below TOP OF CASING IS _____ FT. ABOVE LAND SURFACE.
- YIELD (gpm): _____ METHOD OF TEST _____
- WATER ZONES (depth): _____
- CHLORINATION: Type _____ Amount _____

County: Guilford

Depth		DRILLING LOG Formation Description
From	To	
<u>0</u>	<u>8'</u>	<u>red clay - very firm</u>
<u>8'</u>	<u>40'</u>	<u>orange, brown, red at top clayey silt, saprolite</u>

10. CASING:

	Depth	Diameter	Wall Thickness or Weight/Ft.	Material
AS	From <u>0</u> To <u>38</u> Ft.	<u>2"</u>	<u>SCH 40</u>	<u>PVC</u>
EP	From <u>0</u> To <u>8</u> Ft.	<u>2"</u>	<u>SCH 40</u>	<u>PVC</u>
	From _____ To _____ Ft.	_____	_____	_____

If additional space is needed use back of form.

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other map reference points)

WEST MARKET STREET

11. GROUT:

	Depth	Material	Method
	From <u>0</u> To <u>4</u> Ft.	<u>neat cement</u>	<u>pour</u>
	From _____ To _____ Ft.	_____	_____

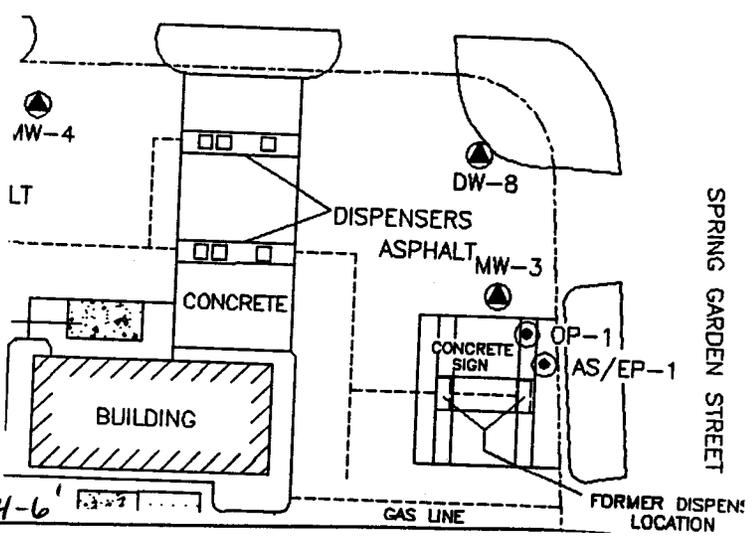
12. SCREEN:

	Depth	Diameter	Slot Size	Material
AS	From <u>38</u> To <u>40</u> Ft.	<u>2"</u>	<u>in. .010 in.</u>	<u>PVC</u>
EP	From <u>8</u> To <u>25</u> Ft.	<u>2"</u>	<u>in. .010 in.</u>	<u>PVC</u>
	From _____ To _____ Ft.	_____	_____	_____

3. GRAVEL PACK:

	Depth	Size	Material
AS	From <u>35</u> To <u>40</u> Ft.	<u>33</u>	<u>sand</u>
EP	From <u>6</u> To <u>25</u> Ft.	<u>33</u>	<u>sand</u>

4. REMARKS: AS - bentonite seal 33-35; EP bentonite seal 4-6'



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15 NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CONTRACTOR OR AGENT _____

FOR OFFICE USE ONLY

Quad. No. _____ Serial No. _____
 Lat. _____ Long. _____ Pc _____
 Minor Basin _____
 Basin Code _____
 Header Ent. _____ GW-1 Ent. _____

WELL CONSTRUCTION RECORD OP-1

DRILLING CONTRACTOR Southeastern Environmental Services
 DRILLER REGISTRATION NUMBER 1141

STATE WELL CONSTRUCTION PERMIT NUMBER: _____

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Greensboro
4701 West Market Street
 (Road, Community, or Subdivision and Lot No.)

County: Guilford

2. OWNER Exxon Company USA
 ADDRESS PO BOX 30451
 (Street or Route No.)
Charlotte NC 28230
 City or Town State Zip Code

Depth		DRILLING LOG Formation Description
From	To	
0	6'	Red clay - stiff
6	25'	Orange, brown, tan and red clayey silt saprolite

3. DATE DRILLED 3-9-94 USE OF WELL observation
 4. TOTAL DEPTH 25' CUTTINGS COLLECTED Yes No
 5. DOES WELL REPLACE EXISTING WELL? Yes No
 6. STATIC WATER LEVEL: 22 FT. above TOP OF CASING, below TOP OF CASING IS -0.5 FT. ABOVE LAND SURFACE.

7. YIELD (gpm): _____ METHOD OF TEST _____
 8. WATER ZONES (depth): _____
 9. CHLORINATION: Type _____ Amount _____

10. CASING:

From	Depth	To	Diameter	Wall Thickness or Weight/Ft.	Material
0	0	8	2"	SCH 40	PVC

If additional space is needed use back of form.

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other map reference points)

11. GROUT:

From	Depth	To	Material	Method
0	0	4	neat cement	pour

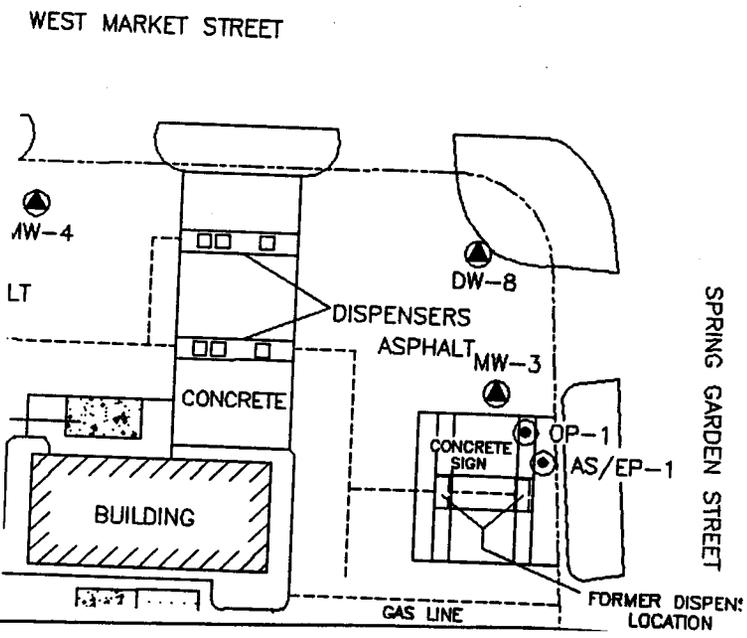
12. SCREEN:

From	Depth	To	Diameter	Slot Size	Material
8	8	25	2"	in. 010 in.	PVC

3. GRAVEL PACK:

From	Depth	To	Size	Material
6	6	25		sand

4. REMARKS: Bentonite seal 4-6'



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15 NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CONTRACTOR OR AGENT _____