

1 LOCATION OF WATER WELL: County: Wilson	Fraction NE ¼ SE ¼ SE ¼	Section Number 18	Township Number T 30 S	Range Number R 16 E/W
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Distance and direction from nearest town or city street address of well if located within city? **MW-143**
The well is located approximately 115 feet south and 132 feet west of the intersection of 12th St. and Granby Ave. in Neodesha. Latitude N37° 25'54.2" Longitude W95° 41'19.4"

2 WATER WELL OWNER: **BP Amoco Oil Co.**
 RR#, St. Address, Box # : **1100 North 12th Street**
 City, State, ZIP Code : **Neodesha, Kansas 66757**

Board of Agriculture, Division of Water Resources
 Application Number: **Not Applicable**

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

1 Mile

W

NW	NE
SW	SE

S

X

4 DEPTH OF COMPLETED WELL **26** ft. ELEVATION: _____

Depth(s) Groundwater Encountered 1 **20** ft. 2 _____ ft. 3 _____ ft.

WELL'S STATIC WATER LEVEL **Unk.** ft. below land surface measured on mo/day/yr

Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm

Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm

Bore Hole Diameter **8** in. to **26** ft. and _____ in. to _____ ft.

WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden (domestic) **10** Monitoring well

Was a chemical/bacteriological sample submitted to Department? Yes _____ No **X** If yes, mo/day/yr sample was submitted _____

Water Well Disinfected? Yes _____ No

5 TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	5 Wrought Iron	8 Concrete tile	CASING JOINTS: Glued _____ Clamped _____
2 PVC	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded _____
		7 Fiberglass		Threaded

Blank casing diameter **2** in. to **11** ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.

Casing height above land surface **30** in., weight **N/A** lbs./ft. Wall thickness or gauge No. **0.1875**

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)	10 Asbestos-cement
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS	11 Other (specify) _____
				12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

1 Continuous slot	3 Mill slot	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
2 Louvered shutter	4 Key punched	6 Wire wrapped	9 Drilled holes	
		7 Torch cut	10 Other (specify) _____	

SCREEN-PERFORATED INTERVALS: From **11** ft. to **26** ft. From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From **9** ft. to **26** ft. From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout **3 Bentonite** 4 Other _____

Grout Intervals From **1** ft. to **9** ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft.

What is the nearest source of possible contamination:

1 Septic tank	4 Lateral lines	7 Pit privy	11 Fuel storage	14 Abandoned water well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	12 Fertilizer storage	15 Oil well/ Gas well
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	13 Insecticide storage	16 Other (specify below) _____

Direction from well? **West** How many feet? **less than 100 feet**

FROM	TO	CODE	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2.5	02	Dark brown silt with clay			
2.5	5	01	Light gray to tan clay with some silt			
5	10	01	Gray to tan clay			
10	15	07	Tan to orange, fine sand, trace clay			
15	22	07	Tan, well-sorted fine sand			
22	25.5	17	Light gray, poorly sorted gravel and sand			
25.5	26	20	Fossiliferous limestone			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was **(1) constructed**, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/yr) **11/29/05** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **616** This Water Well Record was completed on (mo/day/yr) _____ under the business name of **Thiele Geotech, Inc.** by (signature) *D. J. Al*

INSTRUCTIONS: Please fill in blanks and circle the correct answers. Send three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

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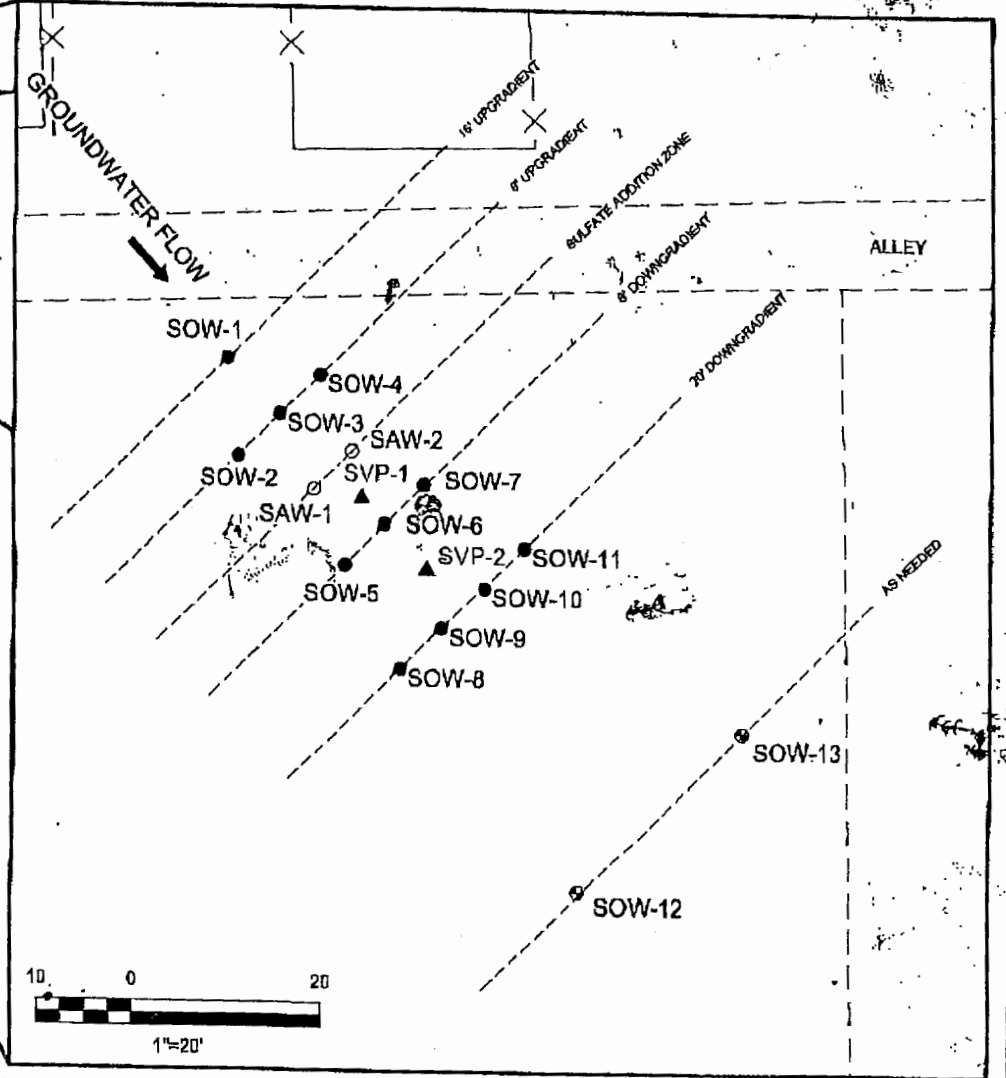
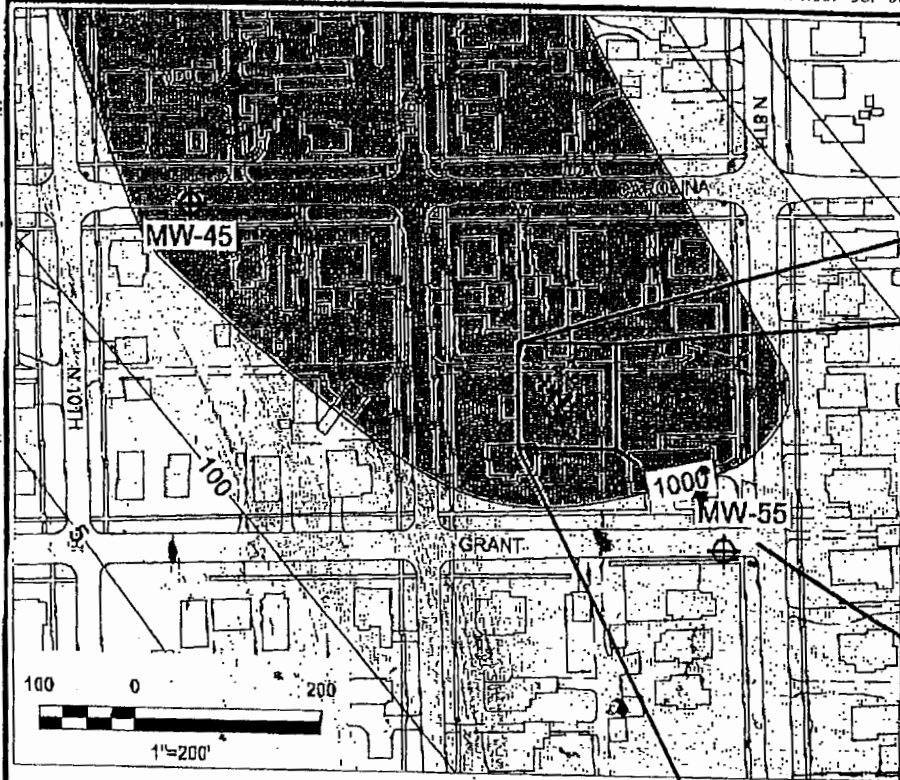
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From: Retec KC

14:25

11-12-02



LEGEND

- SAW-1 ○ Sulfate Addition Well
- SOW-5 ● Sulfate Monitoring Well
- SVP-2 ▲ Soil Vapor Monitoring Point (Hydrogen Sulfide)
- SOW-12 ○ Optional SOW
- 1000 [shaded box] Benzene Concentration in Groundwater Contour (ug/l) (Contour Interval Not Equal) (10/01)

NOTE: UPGRADIENT AND DOWNGRADIENT WELL LOCATIONS ARE RELATIVE TO THE SULFATE ADDITION ZONE



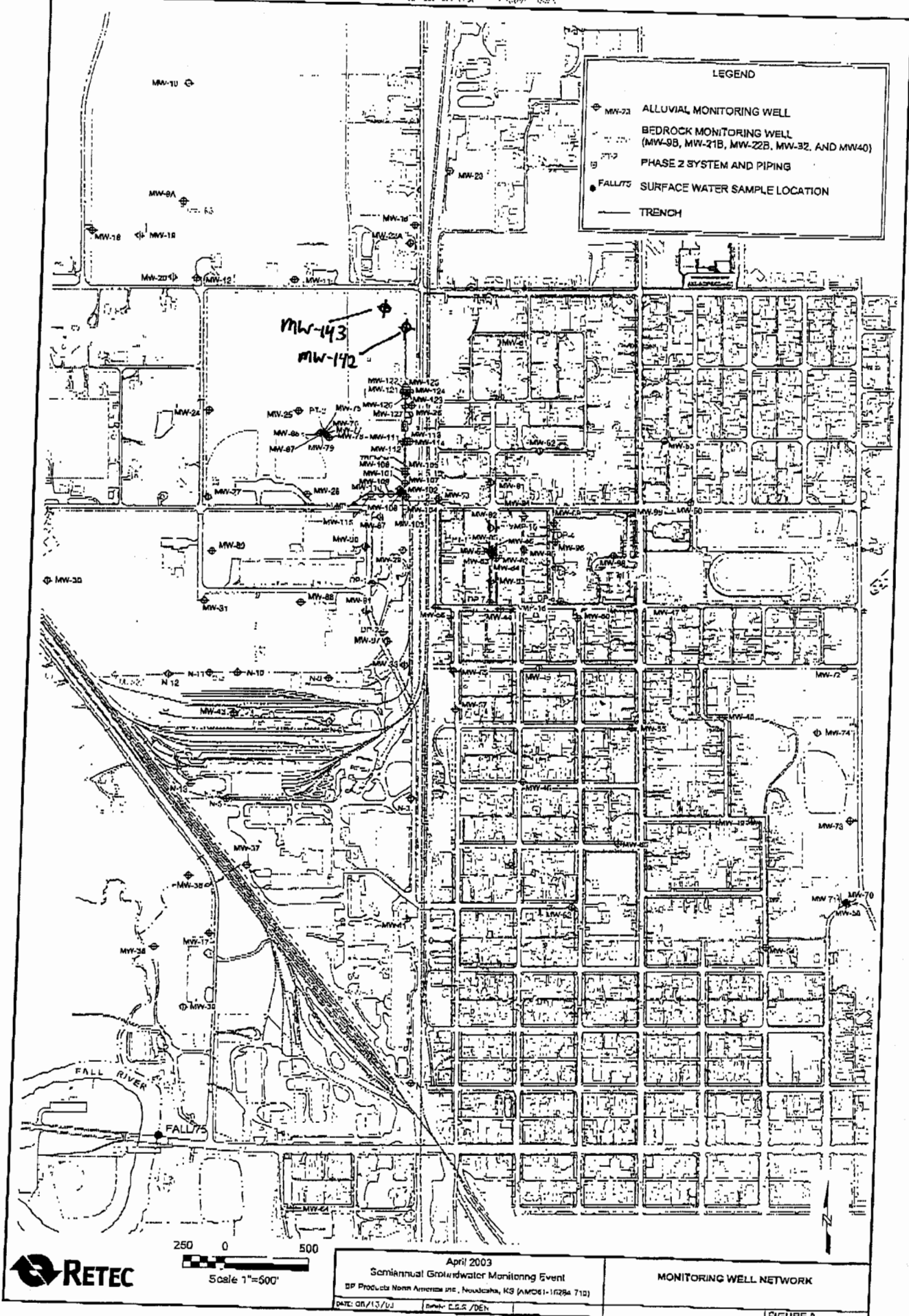
Pilot Study Work Plan for Enhancing the Biodegradation of Benzene through Sulfate Addition to Groundwater
 Amoco Oil Company, Neodesha, KS (AM061-15705-612)

CONCEPTUAL PILOT SYSTEM LAYOUT

DATE: 10/03/02 DRWN: E.S.S.

FIGURE A-1

1. S. P. ...



250 0 500
Scale 1"=500'

April 2003
Semiannual Groundwater Monitoring Event
SP Products North America Inc., Nouiscaha, KS (AM061-10284 710)
DATE: 08/13/03 [Signature] C.S.S./DEN

MONITORING WELL NETWORK

FIGURE 2