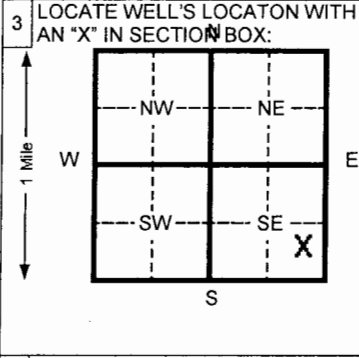


1 LOCATION OF WATER WELL: County: <b>Wilson</b>	Fraction <b>NE ¼ SE ¼ SE ¼</b>	Section Number <b>18</b>	Township Number <b>T 30 S</b>	Range Number <b>R 16</b> EW
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Distance and direction from nearest town or city street address of well if located within city? **MW-142**  
**The well is located approximately 224 feet south and 83 feet west of the intersection of 12<sup>th</sup> St. and Granby Ave. in Neodesha. Latitude N37° 25'53.1" Longitude W95° 41'18.8"**

2 WATER WELL OWNER: <b>BP Amoco Oil Co.</b> RR#, St. Address, Box # : <b>1100 North 12<sup>th</sup> Street</b> City, State, ZIP Code : <b>Neodesha, Kansas 66757</b>	Board of Agriculture, Division of Water Resources Application Number: <b>Not Applicable</b>
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4 DEPTH OF COMPLETED WELL <b>25</b> ft. ELEVATION: _____	Depth(s) Groundwater Encountered 1 <b>20</b> ft. 2 _____ ft. 3 _____ ft.
WELL'S STATIC WATER LEVEL <b>Unk.</b> 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 <b>8</b> in. to <b>25</b> 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) <b>10</b> Monitoring well	
Was a chemical/bacteriological sample submitted to Department? Yes _____ No <b>X</b> If yes, mo/day/yr sample was submitted _____	
Water Well Disinfected? Yes _____ No _____	

5 TYPE OF BLANK CASING USED:	5 Wrought Iron 8 Concrete tile	CASING JOINTS: Glued _____ Clamped _____
1 Steel 3 RMP (SR)	6 Asbestos-Cement 9 Other (specify below)	Welded _____
<b>2</b> PVC 4 ABS	7 Fiberglass	<b>Threaded</b>
Blank casing diameter <b>2</b> in. to <b>10</b> ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.	Casing height above land surface <b>30</b> in., weight <b>N/A</b> lbs./ft. Wall thickness or gauge No. <b>0.1875</b>	
TYPE OF SCREEN OR PERFORATION MATERIAL:		
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____	<b>7</b> PVC 10 Asbestos-cement	
2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)		
SCREEN OR PERFORATION OPENINGS ARE:		
1 Continuous slot <b>3</b> Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)	6 Wire wrapped 9 Drilled holes	
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____		
SCREEN-PERFORATED INTERVALS: From <b>10</b> ft. to <b>25</b> ft. From _____ ft. to _____ ft.		
GRAVEL PACK INTERVALS: From <b>8</b> ft. to <b>25</b> ft. From _____ ft. to _____ ft.		

6 GROUT MATERIAL:	1 Neat cement 2 Cement grout <b>3 Bentonite</b> 4 Other _____	Grout Intervals From <b>1</b> ft. to <b>8</b> 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 <b>11</b> 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? <b>West</b>		How many feet? <b>less than 100 feet</b>

FROM	TO	CODE	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1	02	Dark brown silt with clay			
1	4	01	Grayish tan clay with some silt			
4	10	01	Tan to orange clay, trace-some fine grained sand,			
10	15	07	Tan to orange, fine sand, some clay			
15	20	07	Tan, well-sorted fine sand			
20	24.5	14	Gravel, some sand and clay			
24.5	25	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) <b>11/29/05</b> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <b>616</b> This Water Well Record was completed on (mo/day/yr) _____ under the business name of <b>Thiele Geotech, Inc.</b> by (signature) <i>D. J. A. [Signature]</i>
--

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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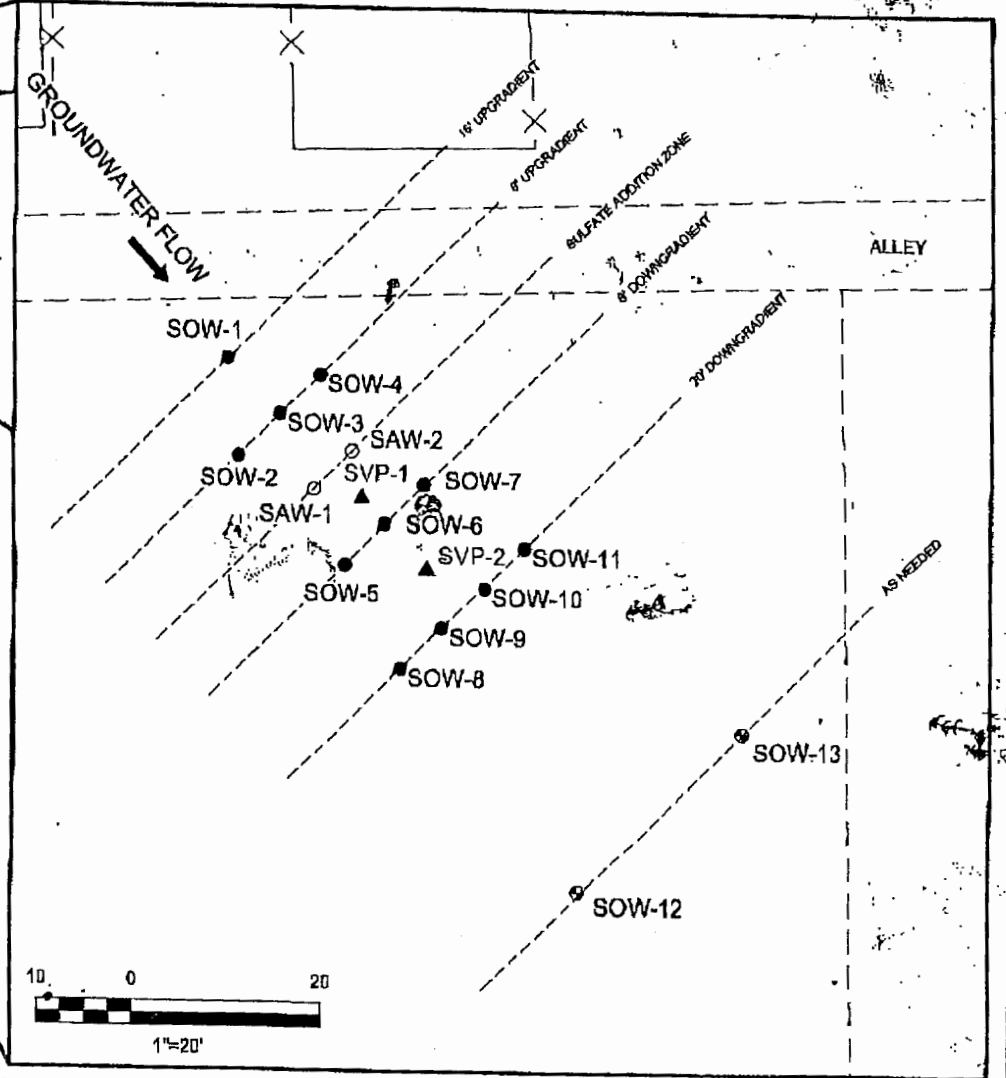
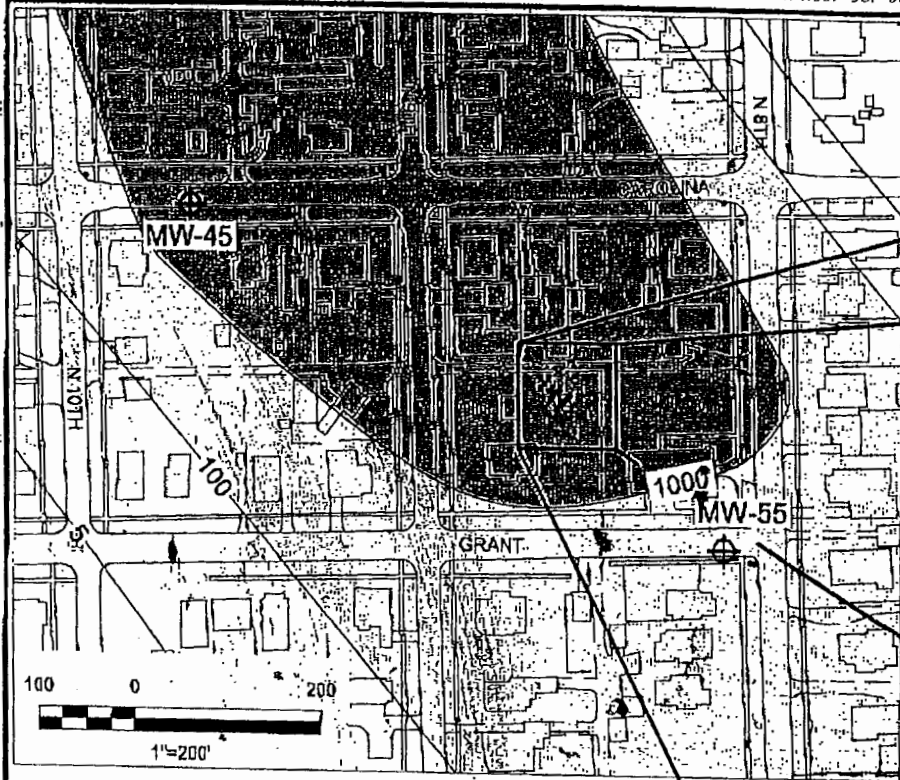
T-818 P.002

9133621044

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



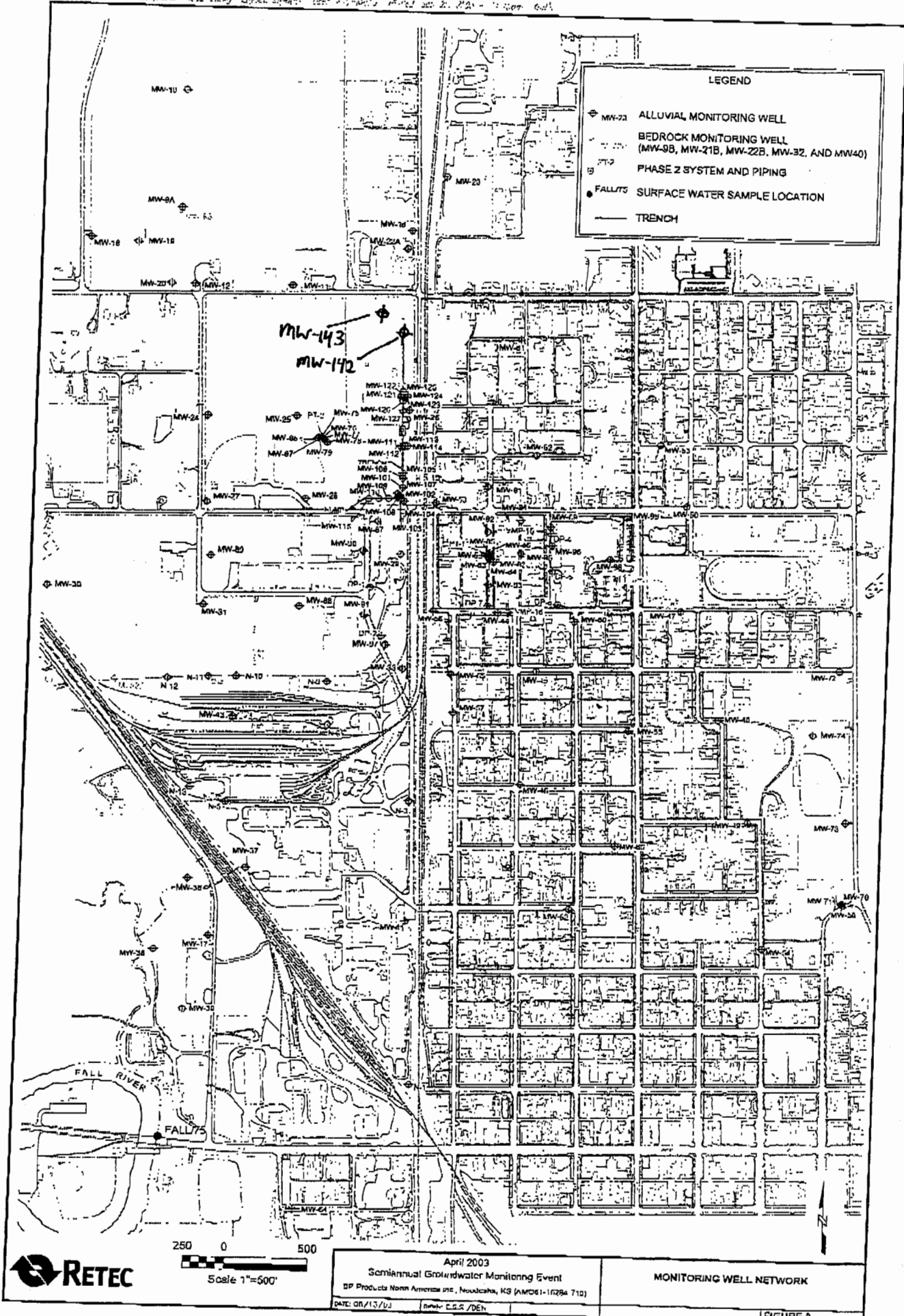
Pilot Study Work Plan for Enhancing the Biodegradation of Benzene through Sulfate Addition to Groundwater  
 Amoco Oil Company, Neodesha, KS (AM061-15705-612)

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 BY: C.S.S./DEN

MONITORING WELL NETWORK

FIGURE 2