

CORRECTION(S) TO WATER WELL RECORD (WWC-5)

(to rectify lacking or incorrect information)

County: Wyandotte

Location listed as:

Section-Township-Range: 22-50N-33W

Fraction ($\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$): NW NW SW

Location changed to:

35-10S-25E

W2 E2 W2 SW

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Map of well locations from owner, and
North Kansas City 1:24,000 topo. map.

initials: ORL date: 7/15/2005

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

MW 3020

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No.

1 LOCATION OF WATER WELL:		Fraction	Section Number	Township Number	Range Number
County: <u>Wyandotte</u>		<u>NW 1/4 NW 1/4 SW 1/4</u>	<u>22</u>	T <u>50N</u> S	R <u>33</u> EW
Distance and direction from nearest town or city street address of well if located within city?					
2 WATER WELL OWNER: <u>Conoco Phillips Company</u>					
RR#, St. Address, Box # : <u>1218 Phillips Bldg 420 S Keeler Ave</u>				Board of Agriculture, Division of Water Resources	
City, State, ZIP Code : <u>Barthesville OK 74004</u>				Application Number:	
3 LOCATE WELL'S LOCATION WITH		4 DEPTH OF COMPLETED WELL <u>65</u> ft. ELEVATION:			
AN "X" IN SECTION BOX:		Depth(s) Groundwater Encountered 1 ft. 2 ft. 3 ft.			
		WELL'S STATIC WATER LEVEL 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			
		WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well			
		1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)			
		2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well <u>MW 3020</u>			
Was a chemical/bacteriological sample submitted to Department? Yes No <input checked="" type="checkbox"/> ; 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 in. to ft., Dia		Casing height above land surface in., weight lbs./ft. Wall thickness or gauge No.			
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 Guazed 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)	ft.
SCREEN-PERFORATED INTERVALS: From <u>65</u> ft. to <u>55</u> ft., From ft. to ft.					
GRAVEL PACK INTERVALS: From <u>65</u> ft. to <u>53</u> ft., From ft. to ft.					
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other <u>SI Cement grout</u>					
Grout Intervals: From ft. to 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	10 Livestock pens	14 Abandoned water well
2 Sewer lines		5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines		6 Seepage pit	9 Feedyard	12 Fertilizer storage	16 Other (specify below)
Direction from well? How many feet?					
FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	10	Silty Brn Clay			
10	16	Silty Brn Sand			
16	65	Brn Sand			
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/year) <u>10-27-04</u> and this record is true to the best of my knowledge and belief. Kansas					
Water Well Contractor's Licence No <u>704</u> This Water Well Record was completed on (mo/day/yr) <u>10-27-04</u>					
under the business name of <u>Max's</u> by (signature) <u>David Nuyke</u>					
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.					



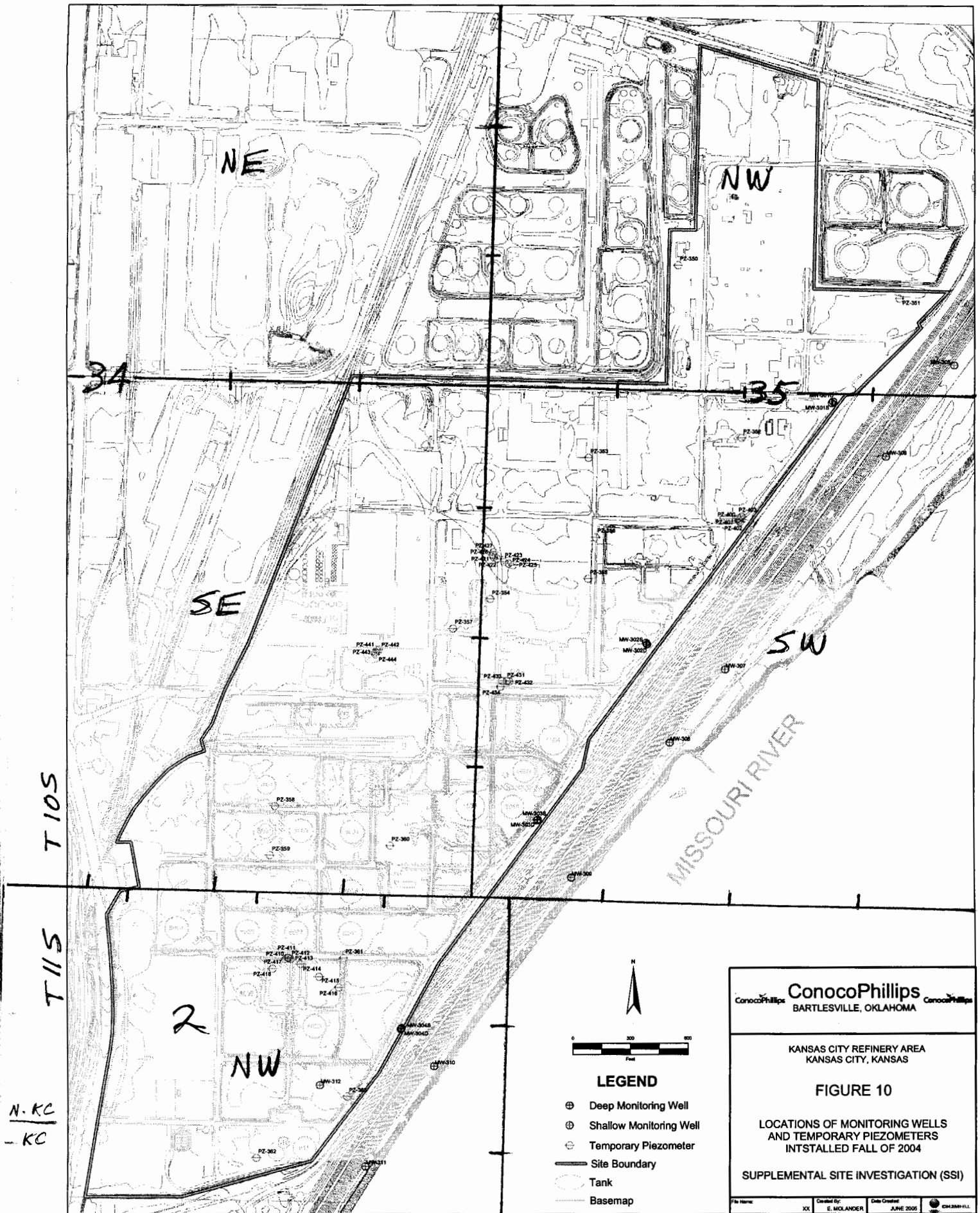
PROJECT NUMBER 321564.SI.01	BORING NUMBER MW-302D	SHEET 1 OF 2
SOIL BORING LOG		

PROJECT : Conoco Phillips - Supplemental SI	NORTHING: 308971.27	EASTING: 2276407.54
ELEVATION : 748.33 ft b.t.o.c.	DRILLING CONTRACTOR : Max's Enterprises Inc.	
DRILLING METHOD AND EQUIPMENT USEC CME 750	LOGGER : C. Morris	
WATER LEVELS : 32.0' bgs during drilling	START : 10/27/04 1000	END : 10/27/04 1100

DEPTH BELOW SURFACE (FT)	STANDARD		SOIL DESCRIPTION	COMMENTS
	INTERVAL (FT)	PENETRATION		
		TEST RESULTS		
		6"-6'-6" (N)		
			SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
				Notes
	No Soil Sampling		0.0': Silt, sand and gravel fill, dark gray, moist, HC odor	
5			5.0': Silty clay (CL), dark gray, moist, soft, medium plasticity, heavy HC odor	
10			10.0': Sandy silt (ML), gray, moist, fine, HC odor	
			12.0': Elastic silt (MH), dark gray, moist, slight odor	
			13.0': Silty sand (SM), fine, slight HC odor	
15			16.0': Poorly graded sand (SP), medium gray, grading to light gray, fine	
20			22.0': Poorly graded sand (SP), medium gray, moist, medium, no odor	
25			27.0': Increasing moisture	

PROJECT : Conoco Phillips - Supplemental SI						NORTHING: 308971.27	EASTING: 2276407.54
ELEVATION : 748.33 ft b.t.o.c.						DRILLING CONTRACTOR : Max's Enterprises Inc.	
DRILLING METHOD AND EQUIPMENT USEC CME 750						LOGGER : C. Morris	
WATER LEVELS : 32.0' bgs saturated sand						START : 11/2/04 1145	END : 11/2/04 1220
DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS	
INTERVAL (FT)				PENETRATION	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. Notes	
RECOVERY (FT)				TEST RESULTS			
#/TYPE				6"-6'-6" (N)			
	No Soil Sampling				32.0': Poorly graded sand (SP), medium gray, saturated, fine to medium, no odor		
35							
40					45.0': Poorly graded sand (SP), gray, saturated, medium to coarse, slight HC odor		
50					50.0': Grading to coarser sand with some fine gravel (SP), dark gray sand, fine gravel		
55							
60					60.0': Less frequent fine gravel		
65					65': End of boring		

R25E



ConocoPhillips
BARTLESVILLE, OKLAHOMA

KANSAS CITY REFINERY AREA
KANSAS CITY, KANSAS

FIGURE 10

**LOCATIONS OF MONITORING WELLS
AND TEMPORARY PIEZOMETERS
INSTALLED FALL OF 2004**

SUPPLEMENTAL SITE INVESTIGATION (SSI)

File Name: J01 Created By: E. WOLANDER Date Created: JUNE 2006