CORRECTION(S) TO WATER WELL RECORD (WWC-5)
(to rectify lacking or incorrect information)

County: Wyandotte

Location listed as:	**Location changed to:**
Section-Township-Range: 2-11S-25E	2-11S-25E
Fraction (¼ ¼ ¼): NW NE NW	W2 NW NE NW

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: 9/15/2005

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.

P2 4/12

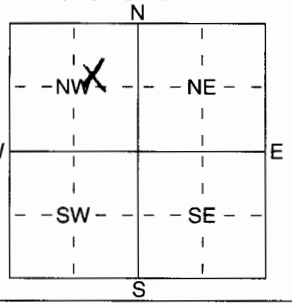
WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. _____

1 LOCATION OF WATER WELL: County: Wyandotte | Fraction: NW ¼ NE ¼ NW ¼ | Section Number: 2 | Township Number: T 11 S | Range Number: R 25 E/W

Distance and direction from nearest town or city street address of well if located within city?
2029 Fairfax KCKS 66115

2 WATER WELL OWNER: Conoco Phillips Company
RR#, St. Address, Box # : 1218 Phillips Bldg 420 S Keeler Ave
City, State, ZIP Code : Bartlesville OK 74004
Board of Agriculture, Division of Water Resources Application Number:

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



4 DEPTH OF COMPLETED WELL 35 ft. ELEVATION:
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: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Domestic (lawn & garden) 8 Air conditioning 9 Dewatering (10) Monitoring well 11 Injection well 12 Other (Specify below) P2 4/12
Was a chemical/bacteriological sample submitted to Department? Yes ..... No ✓; If yes, mo/day/yrs sample was submitted
Water Well Disinfected? Yes No

5 TYPE OF BLANK CASING USED: 1 Steel (2) PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)
CASING JOINTS: Glued ..... Clamped ..... Welded ..... Threaded .....
Blank casing diameter 2 in. to 15 ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.
Casing height above land surface 29 in., weight ..... lbs./ft. Wall thickness or guage No. .....
TYPE OF SCREEN OR PERFORATION MATERIAL: (2) PVC 1 Steel 2 Brass 3 Stainless Steel 4 Galvanized Steel 5 Fiberglass 6 Concrete tile 8 RMP (SR) 9 ABS 10 Asbestos-Cement 11 Other (Specify) ..... 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot (3) Mill slot 2 Louvered shutter 4 Key punched 5 Guazed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) ..... ft. 11 None (open hole)
SCREEN-PERFORATED INTERVALS: From 35 ft. to 15 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 35 ft. to 13 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL: 1 Neat cement (2) Cement grout (3) Bentonite 4 Other 2' chip w/ cement grout
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 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens (11) Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) .....
Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	24.5	Brn Silty Clay			
24.5	35	Brn Silty 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) 11-4-09 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 504 This Water Well Record was completed on (mo/day/yr) 11-4-09
under the business name of M4X5 by (signature) David Dengler

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.

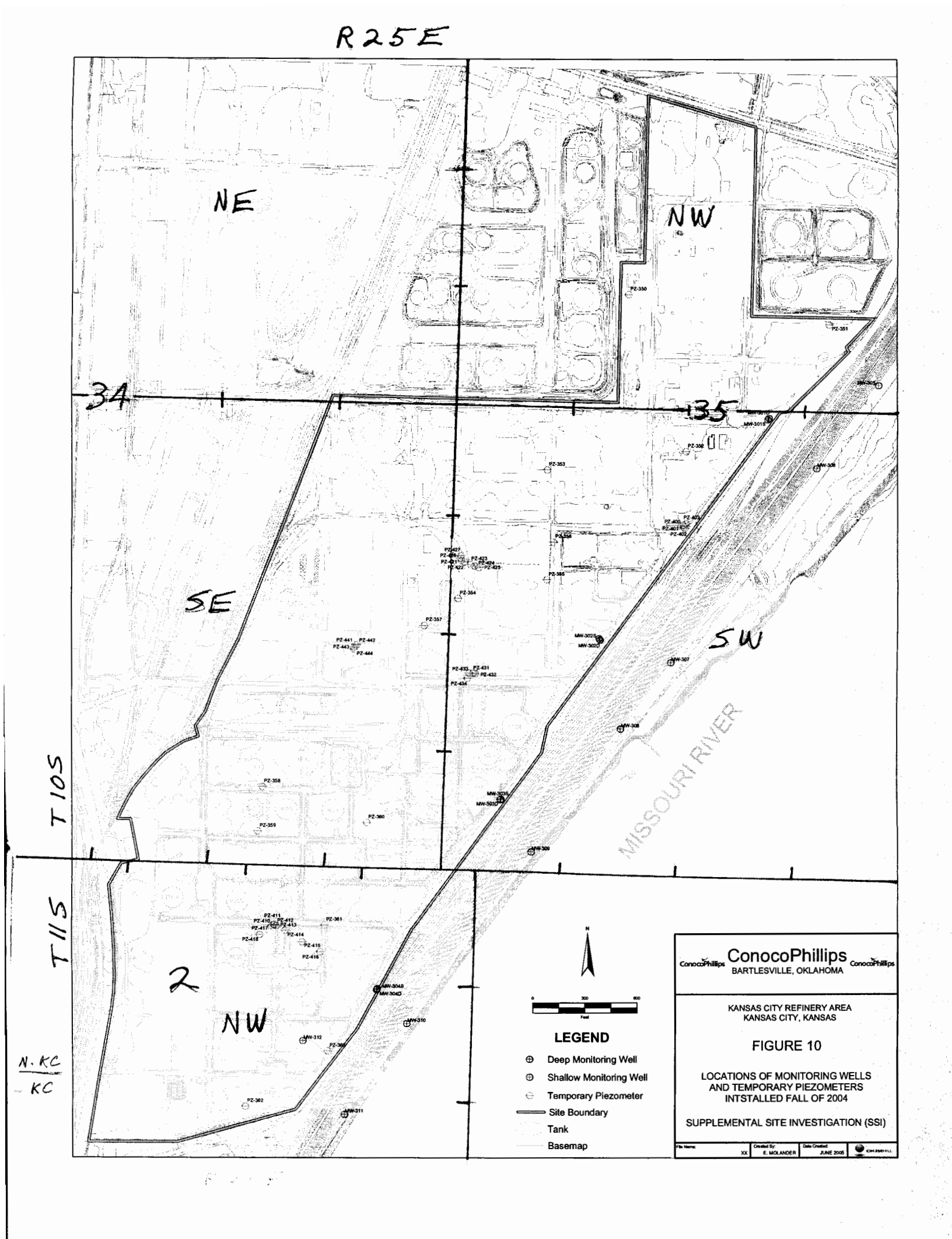
CH2MHILL

PROJECT NUMBER	BORING NUMBER	
321564.SI.01	PZ-412	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : Conoco Phillips - Supplemental SI	NORTHING: 307244.06 EASTING: 2274634.80
ELEVATION : 751.92 ft b.t.o.c.	DRILLING CONTRACTOR : Max's Enterprises Inc.
DRILLING METHOD AND EQUIPMENT USED : CME 750 Rig, HSA	LOGGER : C. Morris
WATER LEVELS : 30' bgs	START : 11/04/04 1410 END : 11/04/04 1445

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. Notes
	No Soil Sampling				0.0': Clay and gravel fill, dark brown, moist, slightly firm, loose, angular gray gravel	
					4.0': Clay fill with some fine gravel, dark brown, moist, soft	
5					6.0': Clay fill with gravel, brown gray, moist, medium firm, slight HC odor	
					9.0': Grading drier, firm, slight odor	
10					12.0': Silty clay with gravel (CL), brownish gray, slightly moist, medium stiff, fill, HC odor	
15					16.0': Silty clay with gravel (CL), medium gray, slightly moist, medium stiff, fine to coarse gravel, HC odor	
					18.0': Gravel grading finer	
20					20.0': Silty clay with trace fine gravel (CL), medium gray, moist, soft, HC odor (light smelling product)	
					24.5': Silty sand (SM), gray, crumbly, slightly moist, poorly graded, HC odor	
25					30.0': Silty sand (SM), gray, wet with product, soft, sheen, oily, strong HC odor	
					34.0': Sheen, oily appearance less	
35					35.0': End of boring	


R25E
NE
NW
SE
SW
34
35
T10S
T11S
2
NW
N. KC
KC
MISSOURI RIVER
LEGEND
Deep Monitoring Well
Shallow Monitoring Well
Temporary Piezometer
Site Boundary
Tank
Basemap
ConocoPhillips
BARTLESVILLE, OKLAHOMA
KANSAS CITY REFINERY AREA
KANSAS CITY, KANSAS
FIGURE 10
LOCATIONS OF MONITORING WELLS AND TEMPORARY PIEZOMETERS INTSTALLED FALL OF 2004
SUPPLEMENTAL SITE INVESTIGATION (SSI)
File Name: XX
Created By: E. MOLANDER
Date Created: JUNE 2005