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: 22-50N-33W	35-105-25E
Fraction (¼ ¼ ¼): NW SW C	C N2 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: DRL date: 9/8/2005

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.

Pz 400

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

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Wyandotte	NW¼ SW¼ C¼	22	T 50N S	R 33 E (W)

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

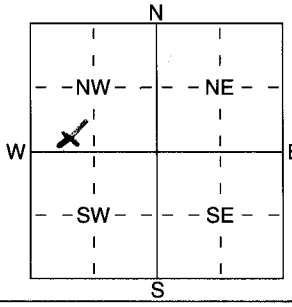
2 WATER WELL OWNER: Conoco Phillips Company

RR#, St. Address, Box # : 1216 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) Pz 400

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) ..... 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 35 ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL: 1 Neat cement (2) Cement grout (3) Bentonite 4 Other 2' Chip 11' 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	35	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) 10-28-04 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 704 This Water Well Record was completed on (mo/day/yr) 10-28-04 under the business name of MAKS by (signature) David Knight

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.

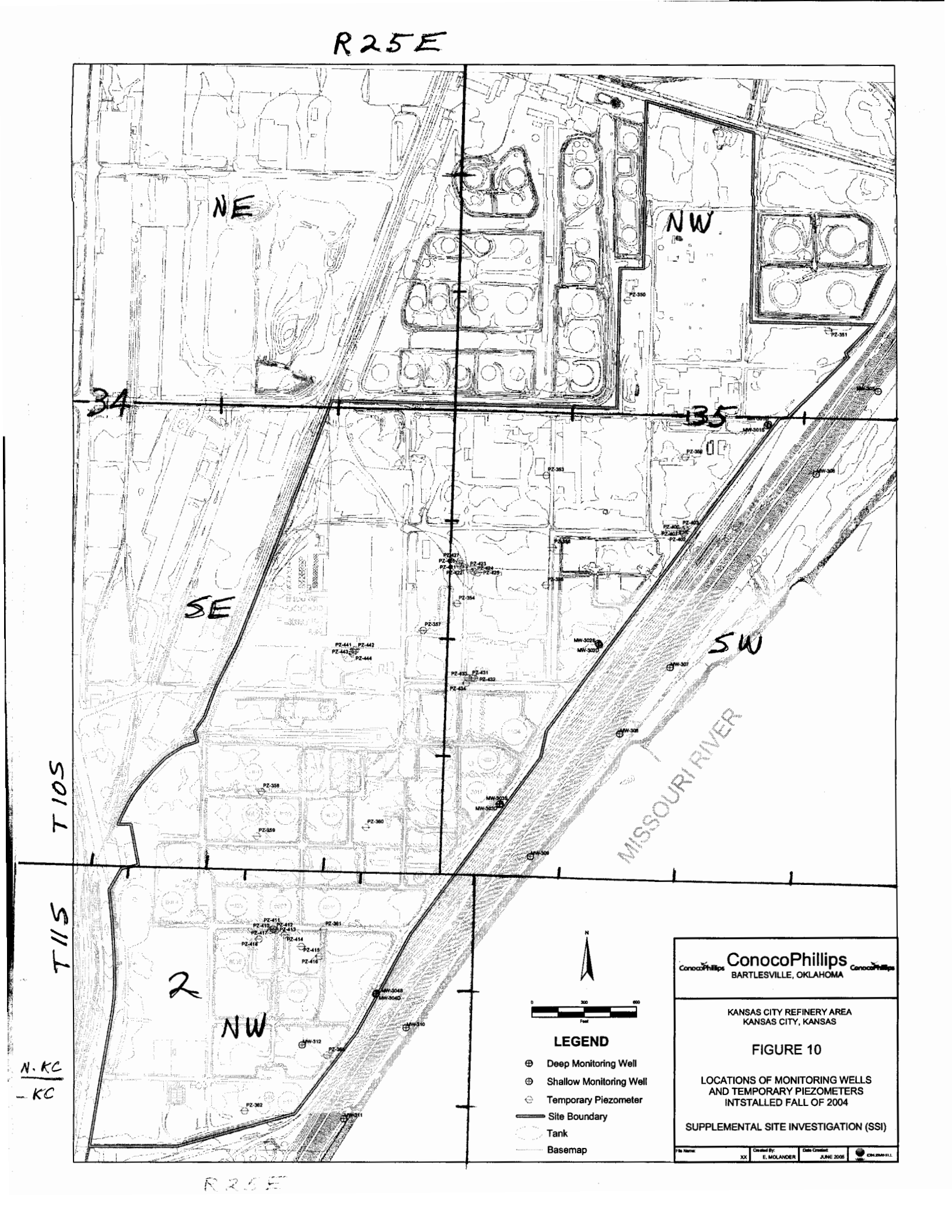
CH2MHILL

PROJECT NUMBER	BORING NUMBER	
321564.SI.01	PZ-400	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : Conoco Phillips - Supplemental SI	NORTHING: 309653.78	EASTING: 2276844.53
ELEVATION : 748.14 ft b.t.o.c.	DRILLING CONTRACTOR : Max's Enterprises Inc.	
DRILLING METHOD AND EQUIPMENT USED : Mobile B57, HSA	LOGGER : E. Molander	
WATER LEVELS : 19.5' bgs	START : 10/28/04 1330	END : 10/28/04 1355

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': Clayey silt with gravel (MH), brown, moist, concrete and sand present	
					3.0': Poorly graded sand with clay (SP-SC), brown, moist	
5					5.0': Silty sand (SM), brown, moist, trace gravel, fill	
					7.0': Poorly graded sand (SP), brown, moist, fine to medium	
					8.5': Silty clay (CL), dark gray, moist, slight odor, plastic	
					9.0'-9.5': Clayey silt (MH), moist, plastic, no odor	
10						
					12.5': Silty sand (SM), gray, moist	
					14.0': Poorly graded sand (SP), gray, moist, fine to medium, HC odor	
15					15.0': Poorly graded sand (SP), dark gray, moist, fine to medium, strong HC odor	
					17.0': Silty sand (SM), dark gray, moist, strong odor	
					19.0': Sand with clay and silt (SM-SC), moist, fine	
20					20.0': Gray, wet, odor, sheen	
					22.0': Silty sand (SM), gray, wet, fine, odor, sheen	
					24.0': Poorly graded sand (SP), very wet, fine, (muddy) sheen	
25						
					29.0': Poorly graded sand (SP-SM), dark gray, wet (sticky), slight odor	
35					34.0': Poorly graded sand (SP), dark gray, wet slurry, slight odor; End of boring	


R25E
NE
NW
SE
SW
34
35
T10S
T11S
2
NW
MISSOURI RIVER
N
0
300
600
Feet
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
N. KC
KC
R25E