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): NE 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: DRL 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.

PZ 417

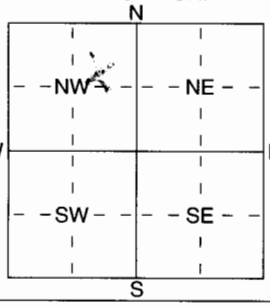
WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. _____

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Wyandotte	NE ¼ NE ¼ NW ¼	7	T 11 S	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 Co.
RR#, St. Address, Box # : 1218 Phillips Bldg 420 S Keeler AVE
City, State, ZIP Code : Bartlesville OK 74004-40
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 40 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: 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 PZ 417
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: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued ..... Clamped .....
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded .....
(2) PVC 4 ABS 7 Fiberglass ..... Threaded X
Blank casing diameter 2 in. to 20 ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.
Casing height above land surface 24" in., weight ..... lbs./ft. Wall thickness or guage No. .....

TYPE OF SCREEN OR PERFORATION MATERIAL: (2) PVC 10 Asbestos-Cement
1 Steel 3 Stainless Steel 5 Fiberglass 8 RMP (SR) 11 Other (Specify) .....
2 Brass 4 Galvanized Steel 6 Concrete tile 9 ABS 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 5 Guazed wrapped 8 Saw cut 11 None (open hole)
1 Continuous slot (3) Mill slot 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) ..... ft.

SCREEN-PERFORATED INTERVALS: From 40 ft. to 20 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 40 ft. to 18 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' Chips 16 Cement grout
Grout Intervals: From 18 ft. to 3 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

What is the nearest source of possible contamination:
10 Livestock pens 14 Abandoned water well
1 Septic tank 4 Lateral lines 7 Pit privy (11) Fuel storage 15 Oil well/Gas well
2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage .....
Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	13	Brn Silty Clay			
13	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) 11-3-04 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) 11-5-04
under the business name of MAXS by (signature) David Dunzle

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.

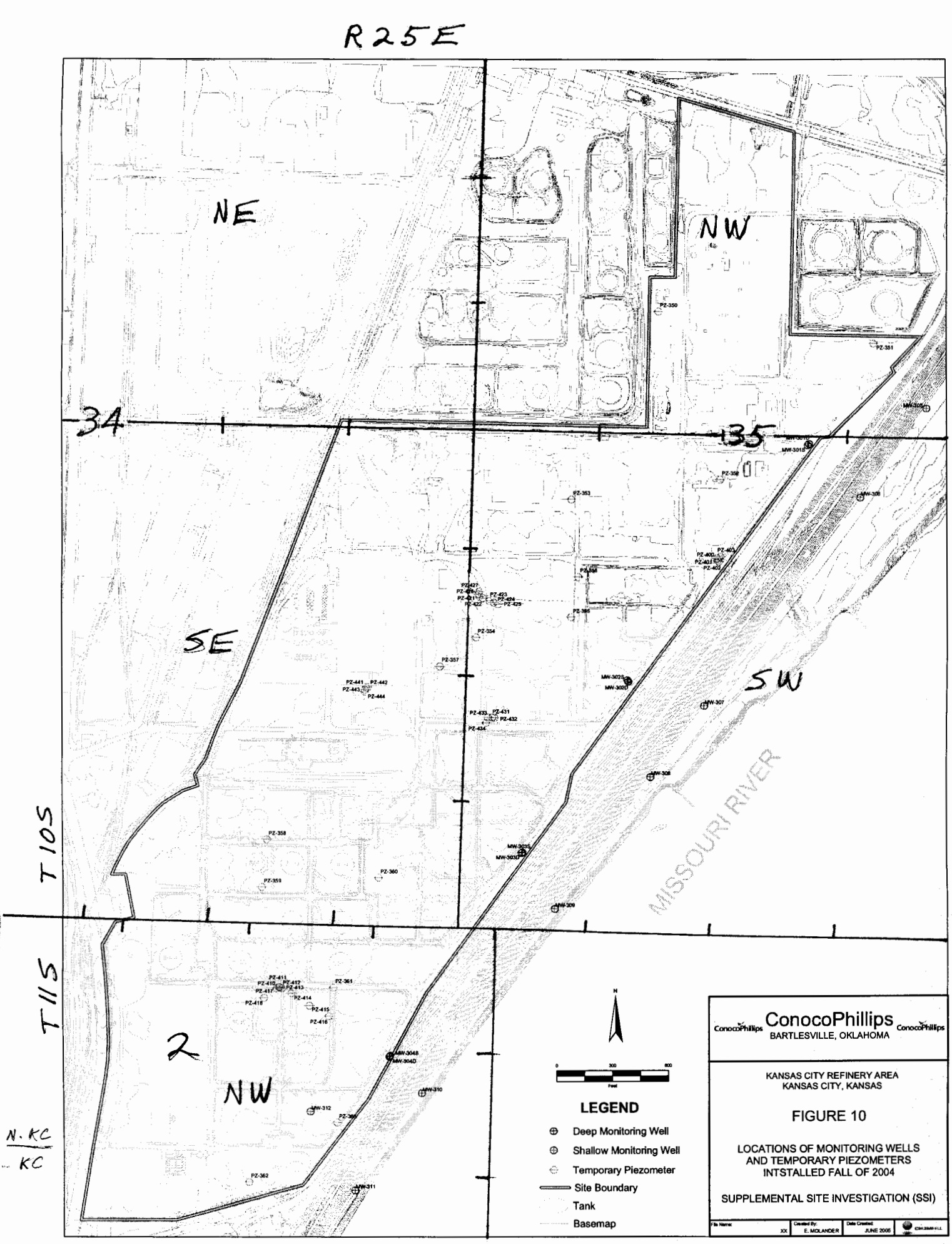
CH2MHILL

PROJECT NUMBER	BORING NUMBER	
321564.SI.01	PZ-417	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : Conoco Phillips - Supplemental SI		NORTHING: 307238.04	EASTING: 2274614.52
ELEVATION : 751.76 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 :		START : 11/05/04 0810	END : 11/05/04 0845

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': Silty clay and gravel fill (CL), medium brown, moist, soft, angular gravel	
5			5.0': Medium stiff	
			8.0': Grading drier, stiff, low plasticity	
10			12.0': Clay fill with gravel (CL), brownish gray (stained), dry to moist, low plasticity, fine to medium gravel 13.0': Silty gravel with trace gravel (CL), black, moist, soft, fine gravel, slight HC odor	
15			16.0': Grades dark brown	
20			22.0': Grades dark gray to black, HC odor	
			24.0': Silty sand (SM), dark gray, moist, fine, poorly graded, HC odor	
25			29.0': Grades olive gray, strong HC odor (light product), slight sheen	
			32.0': Grades brownish gray, increasing moisture 34.0': Grades olive gray, moist to wet	
35			35.0': End of boring	


R25E
NE
NW
SE
SW
34
35
2
NW
T10S
T11S
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 2006

N. KC
KC