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

(to rectify lacking or incorrect information)

County: McPherson

Location listed as:	**Location changed to:**
Section-Township-Range: None Given	5 - 20S - 3W
Fraction (¼ ¼ ¼):	NE SE SE

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Latitude and longitude, conversion tool on KGS website, and mapping tool on KGS website.

initials: ERf date: 6/6/2006

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.

WATER WELL RECORD VMP07 B **Form WWC-5** Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: McPherson	Fraction ¼ ¼ ¼	Section Number	Township Number T S	Range Number R E/W

Distance and direction from nearest town or city street address of well if located within city? North of Frontier Road on 14th Avenue, McPherson, KS

Global Positioning Systems (decimal degrees, min. of 4 digits)
Latitude: 38° 20.214 = 38.3369° N
Longitude: 97°40.077 = 97.6679° W
Elevation:
Datum:
Data Collection Method:

2 WATER WELL OWNER: El Paso Merchant Energy Company
RR#, St. Address, Box # : El Paso Corporation
Environmental Remediation Department
City, State, ZIP Code : 2 North Nevada Avenue, Room 432
Colorado Springs, Co 80903

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

N / W / E / S — NW, NE, SW, SE

4 DEPTH OF COMPLETED WELL 57 ft.

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** ....

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 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 ✓........

Blank casing diameter ....1.... in. to ....50.... ft., Diameter........ in. to .... ft., Diameter........ in. to ....ft.
Casing height above land surface........ in., Weight........lbs./ft. Wall thickness or guage No. 5........

TYPE OF SCREEN OR PERFORATION MATERIAL:
1 Steel 3 Stainless Steel 5 Fiberglass **(7) PVC** 9 ABS 11 Other (Specify) ....
2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)

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

SCREEN-PERFORATED INTERVALS: From....50.... ft. to ....55.... ft., From .... ft. to .... ft.
From........ ft. to .... ft., From .... ft. to .... ft.

GRAVEL PACK INTERVALS: From....49.... ft. to ....57.... ft., From .... ft. to .... ft.
From....40.... ft. to ....40.5.... ft., From .... ft. to .... ft.

6 GROUT MATERIAL: **(1) Neat cement** 2 Cement grout **(3) Bentonite** 4 Other ....
Grout Intervals: From ....40.5.... ft. to ....47.... ft., From ....47.... ft. to ....49.... 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 13 Insecticide Storage 16 Other (specify below)
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well ....

Direction from well? .... How many feet? ....

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	57	Reddish Brown Silty Clay			
		moist with silty sand layers			

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) ....04/03/06.... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. ....551.... This Water Well Record was completed on (mo/day/year) 04/19/06........ under the business name of Associated Environmental Industries Corp. (signature) [signature]

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. Visit us at http://www.kdhe.state.ks.us/geo/waterwells.

KSA 82a-1212

Associated Environmental Industries, Corp.

PO Box 5300 Norman, Oklahoma 73070
Phone: (405) 360-1434 FAX: (405) 360-1480

The purpose of the multi-level wells at McPherson was to monitor the vapors in the unsaturated zone at various depth intervals during a Soil Vapor Extraction Pilot Test to be conducted by our client, MWH Americas.