

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

County: Osage

Location listed as:

Location changed to:

Section-Township-Range: 33-13S-16E

4-14S-16E

Fraction (¼ ¼ ¼): SW NW NW NW

SW NW NW NW

Other changes: Initial statements: Owner: Pat Stalcup

Changed to: Patrick Stalcup

Comments:

verification method: Well-site address, area road map, Osage County online parcel search, and mapping tool & aerial photos on KGS website. initials: EPd date: 6/8/2012

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

Form WWC-5

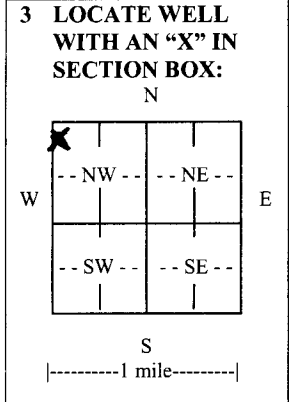
Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Osage Fraction: SW 1/4 NW 1/4 NW 1/4 NW 1/4 Section Number: 33 Township No.: T 13 S Range Number: R 16 NE W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here 10940 S. California Rd

Global Positioning System (GPS) information:
 Latitude: (in decimal degrees)
 Longitude: (in decimal degrees)
 Elevation:
 Datum: WGS 84, NAD 83, NAD 27
 Collection Method:
 GPS unit (Make/Model:)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

2 WATER WELL OWNER: Pat Stakup
 RR#, Street Address, Box #: 10940 S. California Rd
 City, State, ZIP Code: Cardonville, KS 66914



4 DEPTH OF COMPLETED WELL 200 ft. 4-000' bores

Depth(s) Groundwater Encountered (1) None ft. (2) ft. (3) ft.

WELL'S STATIC WATER LEVEL 0 ft. below land surface measured on mo/day/yr.....

Pump test data: Well water was ft. after hours pumping gpm

EST. YIELD 0 gpm. Well water was ft. after hours pumping gpm

Bore Hole Diameter 6 in. to 200 ft., and in. to ft.

WELL WATER TO BE USED AS: Public water supply Geothermal Injection well
 Domestic Feedlot Oil field water supply Dewatering Other (Specify below)
 Irrigation Industrial Domestic-lawn & garden Monitoring well closed loop

Was a chemical/bacteriological sample submitted to Department? Yes No

If yes, mo/day/yr sample was submitted.....

Water well disinfected? Yes No

5 TYPE OF CASING USED: Steel PVC Other H.D. Polyethylene

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter 3 1/4 in. to 200 ft., Diameter in. to ft., Diameter in. to ft.

Casing height above land surface 36 in., Weight 30.1 lbs./ft., Wall thickness or gauge No. 160 P5

TYPE OF SCREEN OR PERFORATION MATERIAL: None

Steel Stainless Steel PVC Other (Specify)
 Brass Galvanized Steel None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: None

Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify)

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

GRAVEL PACK INTERVALS: From ft. to ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From 200 ft. to 3 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination:

Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well

Direction from well Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	4	Soil & clay			
4	9	Limestone			
9	22	Sandstone	200	3	4 Bores drilled with high solids Bentonite grout
22	85	Shale			
85	109	Limestone			
109	148	Shale			
148	169	Limestone			
169	184	Shale			
184	192	Limestone			
192	200	Shale			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 10-13-11 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 561. This Water Well Record was completed on (mo/day/year) 10-14-11 under the business name of Energy Dev. Inc. by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.