WATER WELL RECORD **Form WWC-5** Division of Water Resources App. No. 23,109

1 LOCATION OF WATER WELL: County: Hamilton | Fraction: ¼ NE ¼ NW ¼ NW ¼ | Section Number: 13 | Township No. T 26 S | Range Number R 43 ☐E ☑W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐.
Approx. 13 miles South and 12 miles west of Syracuse

Global Positioning System (GPS) information:
Latitude: 37.79633 (in decimal degrees)
Longitude: 101.97724 (in decimal degrees)
Elevation: 3504
Datum: ☐ WGS 84, ☐ NAD 83, ☑ NAD 27
Collection Method:
☑ GPS unit (Make/Model: Magel./Triton 300)
☐ Digital Map/Photo, ☐ Topographic Map, ☐ Land Survey
Est. Accuracy: ☐ <3 m, ☐ 3-5 m, ☐ 5-15 m, ☐ >15 m

2 WATER WELL OWNER: Kevin Fox
RR#, Street Address, Box #: P.O. Box 624
City, State, ZIP Code : Syracuse, KS 67878

3 LOCATE WELL WITH AN "X" IN SECTION BOX:

N
W | X | NW | NE | E
| SW | SE |
S
|---------1 mile---------|

4 DEPTH OF COMPLETED WELL 725 ft.
Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.
WELL'S STATIC WATER LEVEL 286 ft. below land surface measured on mo/day/yr. 10/15/09
Pump test data: Well water was 358 ft. after 8 hours pumping 1215 gpm
EST. YIELD.....gpm. Well water was.....ft. after..... hours pumping..... gpm
Bore Hole Diameter 24 in. to 725 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 .....
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 .....
CASING JOINTS: ☐ Glued ☐ Clamped ☑ Welded ☐ Threaded
Casing diameter 16 in. to 725 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.
Casing height above land surface 12 in., Weight 42.09 lbs./ft., Wall thickness or gauge No. 250
TYPE OF SCREEN OR PERFORATION MATERIAL:
☑ Steel ☐ Stainless Steel ☐ PVC ☐ Other (Specify) .....
☐ Brass ☐ Galvanized Steel ☐ None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE:
☑ 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 348 ft. to 408 ft., From 480 ft. to 720 ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 20 ft. to 725 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 0 ft. to 20 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 114' East & 40' North Distance from well North & East

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		Not Enough Room - See Attached Log.			

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) 10/15/09 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/year) 11/13/09 under the business name of Henkle Drilling & Supply Co. Inc. by (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 785-296-5522. 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.

KSA 82a-1212 Check: ☑ White Copy, ☐ Blue Copy, ☐ Pink Copy

Henkle

PAGE #1

DRILLING & SUPPLY CO., INC.

A Hydro Resources Company

3795 W. Jones Ave.
620-277-2389
FAX 620-277-0224

KEVIN FOX 620-384-4853

P.O. Box 639
GARDEN CITY, KS 67846

CUSTOMER'S NAME Kevin Fox KFox1@PLD.Com DATE 9-17-09
STREET ADDRESS P.O. Box 624 TEST # 1 E. LOG Yes
CITY & STATE Syracuse, KS. 67878 DRILLER David Reisser
COUNTY Hamilton QUARTER NW SECTION 13 TOWNSHIP 26 RANGE 43
RIG # 38 WO 4280

LOCATION From old well - 114' W + 40' S

G.P.S - 37.796330°N 101.97724°W Elev - 3504

Page #1 Well Location

STATIC WATER LEVEL: 280' = water level
Proposed Well Depth: 725

%	FOOTAGE From	Pay	To	DESCRIPTION OF STRATA
	0		2	Surface
	2		20	Brown Clay Caliche, few sands
	20		50	Tan Clay (Sticky + Fine) few sand
	50		78	Brown Clay (Firm + sticky) few sand
	78		86	Sand (fine to med. coarse
	86		139	Brown Clay (firm few sticky)
	139		215	Brown Clay (firm) few limerock few sand
	215		236	Sand fine to med. coarse, small gravel, few clay
	236		242	Brown Clay
	242		253	Sand fine to med. rounds, small to few med gravel
	253		263	Sandstone (brown + yellow) (tight) sandstone (used some water mixed brown) 6
	263		271	Sandstone
	271		297	Sandstone (Hard) sandstone (used a little water mixed brown) 3
	297		330	Gray Shale, few weathered shale (Slightly clayey)
15%	330	20	350	Sandstone (Fairly loose, used some water mixed rust + brown) sandstone 2x3
20%	350	19	369	Sandstone (loose to fairly loose, used some water) (L.L.S)
15%	369	11	380	Sandstone (tight used a little water (LLS.) sandstone
15%	380	15	395	Sandstone (tight few loose used a little water) (LLS) sandstone
10%	395	13	408	Sandstone (HARD) only sandstone
	408	—	472	Shale limestone (HARD) Very Hard 426-433' 447-455'
	472	—	473	Iron Pirite (extremely HARD)
	473	—	476	Gray Shale limestone (Very Hard) 2x3
10%	476	16	492	Gray Sandstone (tight) sandstone (lost water a 479' mixed rust + brown)
10%	492	8	500	Sandstone sandstone (Hard)
10%	500	5	505	Sandstone (tight) sandstone few limestone (used a little water)
20%	505	25	530	Sandstone (Fairly loose used some water mixed + brown) 2x2
15%	530	18	548	Sandstone (Tan) (tight) sandstone
10%	548	16	564	Sandstone (Gray tan) (tight few hard) sandstone
	564	—	574	Red Shale, few limestone (Hard) sandstone
				End of Page #1
			641	

PAGE #2

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620-277-2389
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P.O. Box 639
GARDEN CITY, KS 67846

CUSTOMER'S NAME Kevin Fox (CONT.)
STREET ADDRESS
CITY & STATE
COUNTY Hamilton QUARTER NW SECTION 13 TOWNSHIP 26 RANGE 43
RIG # 38 WO 4280

DATE 9-17-09
TEST # 1 E. LOG Yes
DRILLER David Frizzell

LOCATION From old well - 114' W + 40' S
G.P.S - 37.79633°N 101.97724°W Elev - 3504

Page #2 Well Location

STATIC WATER LEVEL:
Proposed Well Depth: 725'

%	FOOTAGE From	Pay	To	DESCRIPTION OF STRATA
10%	574	11	585	Sandstone (few) tight + hard) scoopstone
10%	585	13	598	Scoopstone, Red shale, sandstone (Hard)
	598	—	606	Red shale (Hard) scoopstone
10%	606	35	641	Sandstone (slightly cemented to tight) scoopstone, few limestone
15%	641	29	670	Sandstone (fairly loose to few loose), scoopstone (used a little water)
10%	670	24	694	Sandstone (tight, few hard) scoopstone (bad stuffing)
	694	—	702	Scoopstone, limestone, few sandstone
10%	702	25	727	Sandstone, scoopstone (tight)
	727		740	Last circ, hung, pulled stem
		303		

- Test Rig -
- Set up West -
- Pit to North
12 - Max Gel
13 - Gator Grout
7 - Bentonite Plug
1 - Perma Plug
16 - Brew