

County: Barber Fraction NE NW NE NE Sec. 10 T 34 S R 13 E/W

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

Owner: Tug Hill Operating LLC

Location was listed as:

Location changed to:

Section-Township-Range: 10-345-13 W

10-345-13 W

Fraction (1/4 1/4 1/4): None Given

NE NW NE NE

Other changes: Initial statements: \_\_\_\_\_

Changed to: \_\_\_\_\_

Comments: \_\_\_\_\_

Verification method: Written & legal descriptions, location given on "intent to drill" in KGS oil & gas well database, and mapping tool on KGS website. initials: WRA date: 10/3/2012

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.  

|  |                              |  |                        |   |
|--|------------------------------|--|------------------------|---|
| <b>1 LOCATION OF WATER WELL:</b><br>County: BARBER CO, KS  | Fraction<br>¼    ¼    ¼    ¼ | Section Number<br>10   | Township No.<br>T 34 S | Range Number<br>R 13 <input type="checkbox"/> E <input checked="" type="checkbox"/> W |
| Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> .<br>hardtner:3 way stop at ,2.4 w on hackberry 6.3n on gyp hill rd 1.4 w on lease rd to loc |                              | <b>Global Positioning System (GPS) information:</b><br>Latitude: ..... (in decimal degrees)<br>Longitude: ..... (in decimal degrees)<br>Elevation: .....<br>Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27<br>Collection Method:<br><input type="checkbox"/> GPS unit (Make/Model: .....)<br><input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey<br>Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m |                        |   |
| <b>2 WATER WELL OWNER:</b> TUG HILL OPER LLC<br>RR#, Street Address, Box #: 550 BAILEY AVE. STE 510<br>City, State, ZIP Code : WORTH TX 76107  |                              |  |                        |   |

|  |   |
|--|---|
| <b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b><br>N<br><br>S<br>-----1 mile----- | <b>4 DEPTH OF COMPLETED WELL</b> 300 ..... ft.<br>Depth(s) Groundwater Encountered (1).63 ..... ft. (2)..... ft. (3)..... ft.<br>WELL'S STATIC WATER LEVEL.....ft. below land surface measured on mo/day/yr. 9-14-12.....<br>Pump test data: Well water was .283 .....ft. after .1 ..... hours pumping. 25 ..... gpm<br>EST. YIELD. 25 .....gpm. Well water was .....ft. after ..... hours pumping ..... gpm<br>Bore Hole Diameter 6 .....in. to .10 3/4 .....ft., and 300 .....in. to .....ft.<br>WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well<br><input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below)<br><input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input type="checkbox"/> Monitoring well .....<br>Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, mo/day/yr sample was submitted.....<br>Water well disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
|--|---|

**5 TYPE OF CASING USED:**  Steel     PVC     Other .....

CASING JOINTS:  Glued     Clamped     Welded     Threaded  
Casing diameter .6 ..... in. to .280 ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
Casing height above land surface .24 ..... in., Weight 4.074 .....lbs./ft., Wall thickness or gauge No. SDR.21-316 .....

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 .280 ..... ft. to .300 ..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From .80 ..... ft. to .300 ..... 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 .1 ..... ft. to .25 ..... 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    | 1   | SURFACE        |      |    |  |
| 1    | 73  | CLAY           |      |    |  |
| 73   | 97  | SILT/SAND      |      |    |  |
| 97   | 300 | SHALE/CLAY     |      |    |  |
|      |     |                |      |    |  |
|      |     |                |      |    |  |
|      |     |                |      |    |  |
|      |     |                |      |    |  |
|      |     |                |      |    |  |

**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) 9-14-12 ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 430 ..... This Water Well Record was completed on (mo/day/year) 9-14-12 ..... under the business name of Howard Drlq Co.Box 806 Beaver, Ok 73932.. 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>.