

County: Barber Fraction N2 SE NW Sec. 8 T 33 S R 10 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: 8-335-10 W

8-335-10 W

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

N2 SE NW

Other changes: Initial statements: Tug Hill Oper LLC

Changed to: Tug Hill Operating, LLC

Comments: _____

Verification method: written & legal descriptions, position on plat map,
and mapping tool & aerial photos on KGS website.

initials: DRK date: 6/28/2013

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: BARBER		Fraction <div style="display: flex; justify-content: space-around;">1/41/41/41/4</div>		Section Number 8	Township No. T 33 S	Range Number R 10 <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"/> . Sharon Ks 4.25 m S on blue stem rd ,W on jog rd 3/10 S on lease rd to loc				Global Positioning System (GPS) information: Latitude: (in decimal degrees) Longitude: (in decimal degrees) Elevation: Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input type="checkbox"/> GPS unit (Make/Model:) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																														
2 WATER WELL OWNER: TUGH HILL OPER LLC RR#, Street Address, Box #: 126 S MAIN ST. City, State, ZIP Code : PRATT, KS 67124																																																																		
3 LOCATE WELL WITH AN "X" IN SECTION BOX: <div style="text-align: center;">N</div> <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 50px; text-align: center;">NW</td> <td style="width: 50px; height: 50px; text-align: center;">NE</td> </tr> <tr> <td style="width: 50px; height: 50px; text-align: center;">SW</td> <td style="width: 50px; height: 50px; text-align: center;">SE</td> </tr> </table> <div style="text-align: center;">S</div> <div style="text-align: center;">-----1 mile-----</div>		NW	NE	SW	SE	4 DEPTH OF COMPLETED WELL 220 ft. Depth(s) Groundwater Encountered (1) 154 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 154 ft. below land surface measured on mo/day/yr. 02-20-13 Pump test data: Well water was 189 ft. after 1 hours pumping 3 gpm EST. YIELD 3 gpm. Well water was ft. after hours pumping gpm Bore Hole Diameter 10 3/4 in. to 220 ft., and in. to ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <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) <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted Water well disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
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5 TYPE OF CASING USED: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other CASING JOINTS: <input checked="" type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input type="checkbox"/> Threaded Casing diameter 6" in. to 220 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: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous slot <input type="checkbox"/> Mill slot <input type="checkbox"/> Gauze wrapped <input type="checkbox"/> Torch cut <input type="checkbox"/> Drilled holes <input type="checkbox"/> None (open hole) <input type="checkbox"/> Louvered shutter <input type="checkbox"/> Key punched <input type="checkbox"/> Wire wrapped <input checked="" type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify) SCREEN-PERFORATED INTERVALS: From 120 ft. to 220 ft., From ft. to ft. From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 80 ft. to 220 ft., From ft. to ft. From ft. to ft., From ft. to ft.																																																																		
6 GROUT MATERIAL: <input checked="" type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input type="checkbox"/> Bentonite <input type="checkbox"/> 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: <input type="checkbox"/> Septic tank <input type="checkbox"/> Lateral lines <input type="checkbox"/> Pit privy <input type="checkbox"/> Livestock pens <input type="checkbox"/> Insecticide storage <input type="checkbox"/> Other (specify below) <input type="checkbox"/> Sewer lines <input type="checkbox"/> Cesspool <input type="checkbox"/> Sewage lagoon <input type="checkbox"/> Fuel storage <input type="checkbox"/> Abandoned water well <input type="checkbox"/> Watertight sewer lines <input type="checkbox"/> Seepage pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer storage <input type="checkbox"/> Oil well/gas well Direction from well Distance from well																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">FROM</th> <th style="width: 10%;">TO</th> <th style="width: 40%;">LITHOLOGIC LOG</th> <th style="width: 10%;">FROM</th> <th style="width: 10%;">TO</th> <th style="width: 20%;">LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>SURFACE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>110</td> <td>CLAY/ROCK</td> <td></td> <td></td> <td></td> </tr> <tr> <td>110</td> <td>200</td> <td>CLAY/INTERMITANT LAYERS OF FINE SAND</td> <td></td> <td></td> <td></td> </tr> <tr> <td>200</td> <td>220</td> <td>CLAY/SHAPE</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>							FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	1	SURFACE				1	110	CLAY/ROCK				110	200	CLAY/INTERMITANT LAYERS OF FINE SAND				200	220	CLAY/SHAPE																																	
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo/day/year) 02-20-13 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) under the business name of Howard drlg Co Box 806 Beaver Ok 73932 by (signature) <i>Howard Drilg Co</i>																																																																		
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 .																																																																		

Check: ☐ White Copy, ☐ Blue Copy, ☐ Pink Copy