

County: Hodgeman Fraction SW SW SW Sec. 18 T 23 S R 23 E/W W

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

(to rectify lacking or incorrect information)

Owner: Tug Hill Oper. LLC

Location was listed as:

Location changed to:

Section-Township-Range: 18-23S-23W

18-23S-23W

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

SW SW SW

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

Verification method: Written & legal descriptions, information on associated oil well in KGS database, and mapping tool on KGS website.

initials: ARL date: 5/10/2013

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

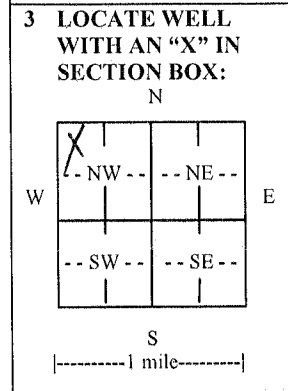
Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: HODGEMAN, CO	Fraction ¼ ¼ ¼ ¼	Section Number 18	Township No. T 23 S	Range Number R 23 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here .
 JETMORE, KS: JCT HWY 283 & 156: 2.9 ON E SIDE APPRX 100'

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: TUG HILL OPER LLC
 RR#, Street Address, Box #: 126 S MAIN ST.
 City, State, ZIP Code : PRATT KS 67124



4 DEPTH OF COMPLETED WELL 300 ft.
 Depth(s) Groundwater Encountered (1) 100 ft. (2) ft. (3) ft.
 WELL'S STATIC WATER LEVEL 100 ft. below land surface measured on mo/day/yr. 10-23-121.....
 Pump test data: Well water was 196 ft. after 1 hours pumping. 90 gpm
 EST. YIELD 90 gpm. Well water was ft. after hours pumping gpm
 Bore Hole Diameter 10 3/4 in. to 300 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 .6 in. to 300 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 200 ft. to 300 ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 130 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	4	SURFACE			
4	14	CLAY TAN			
14	140	BLACK CLAY			
140	180	LIGHT BLUE CLAY			
180	207	TAN CLAY			
207	219	CLAY & SMALL STREAKS OF SAND			
219	240	SAND			
240	272	LIGHT BLUE CLAY			
272	281	CLAY/SMALL STREAKS OF SAND			

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) 10-24-12 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) 10-24-12 under the business name of Howard Dlng Co Box 806 Beaver Ok 73932.. 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 666 12-1367. 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>.