

ASSIGNMENT OF WATER WELL TO LANDOWNER

COPY

Allen & Dorothy Worcester
3166 Y Road
Hill City, Kansas 67642-1483,

are the landowners on which a water well is located approximately

335' FSL & 985' FEL
Section 13-6S-22W
Graham County, Kansas.

Said water well was drilled on or about February 24, 2011
under Temporary Permit File No. 20110074.

As landowners, we hereby request that Ritchie Exploration, Inc. (operator) leave the water well unplugged, and we agree to properly maintain said well, and upon abandonment of said well, we will assume all responsibility for the plugging of said water well in accordance with the requirements of the Kansas Department of Health and Environment regulations K.A.R. 28-30-7. To be effective August 1, 2011.

LANDOWNERS:

Allen Worcester
Allen Worcester

Dorothy Worcester
Dorothy Worcester

OPERATOR:

Ritchie Exploration, Inc.
PO Box 783188
Wichita, KS 67278-3188
(316) 691-9500
A. Scott Ritchie III
A. Scott Ritchie III, President

✓ Kansas Dept. of Health & Environment
Bureau of Water – Geology Section
1000 S.W. Jackson, Suite #420
Topeka, KS 66612-1367

Kansas Dept. of Agriculture
Division of Water Resources
109 SW 9th Street, 2nd Floor

RECEIVED
AUG 10 2011
BUREAU OF WATER

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No. 20110074

1 LOCATION OF WATER WELL: Graham	Fraction NE ¼ SW ¼ SE ¼ SE ¼	Section Number 13	Township Number T 6 S	Range Number R 22 <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"/> 13 north of Hill city-6 east-1/2 north, 2 south, west into		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 Allen Worcester RR#, St. Address, Box # 3166 Y Road City, State, ZIP Code Hill City, KS 67642				

3 LOCATE WELL WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL <u>130</u> ft.
	Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft.
	WELL'S STATIC WATER LEVEL _____ ft. below land surface measured on mo/day/yr _____
	Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
	EST. YIELD _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
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 checked="" type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input 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	

5 TYPE OF CASING USED: Steel PVC Other _____

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter 4.5 in. to 90 ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft.

Casing height above land surface 18 in., Weight 2.38 lbs./ft. Wall thickness or gauge No. .248

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 90 ft. to 130 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From 20 ft. to 130 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 None
 Direction from well _____ Distance from well _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	Surface			
2	12	Loess			
12	22	Fine sand w/clay & caliche			
22	38	Clay w/caliche lenses			
38	60	Clay & caliche w/fine sand lenses			
60	72	Fine sand & sandy clay mis w/clay & Caliche strks			
72	130	Fine to some med sand w/clay & caliche Strks			
130		Yellow ochre/flint			

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) 2/17/11 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 554 of 783. This Water Well Record was completed on (mo/day/year) 2-25-2011 under the business name of Woofter Pump & Well Inc. by (signature) _____

INSTRUCTIONS: 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 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>.