

## WATER WELL RECORD

## Form WWC-5

Division of Water Resources App. No.

20100284

<b>1 LOCATION OF WATER WELL:</b> County: Reno		Fraction NW ¼ NW ¼ SE ¼ SE ¼		Section Number 17		Township No. T 24 S		Range Number R 9 <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"/> .				<b>Global Positioning System (GPS) information:</b> Latitude: .37.95886..... (in decimal degrees) Longitude: 098.32905..... (in decimal degrees) Elevation: 1602..... Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input checked="" type="checkbox"/> NAD 27 Collection Method: <input type="checkbox"/> GPS unit (Make/Model: <u>Garmin csx</u> ) <input type="checkbox"/> Digital Map/Photo, <input checked="" type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input checked="" type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																																			
<b>2 WATER WELL OWNER:</b> Hesse Petroleum RR#, Street Address, Box #: 400 N. Woodlawn Ste. 7 City, State, ZIP Code : Wichita, Kansas 67208																																																																							
<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> <div style="text-align: center;">N</div> <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">W</td> <td style="width: 40px; text-align: center;">NW</td> <td style="width: 40px; text-align: center;">NE</td> <td style="width: 20px; text-align: center;">E</td> </tr> <tr> <td></td> <td style="text-align: center;">SW</td> <td style="text-align: center;">SE</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> </table> <div style="text-align: center;">S</div> <div style="text-align: center;"> -----1 mile----- </div>				W	NW	NE	E		SW	SE				X		<b>4 DEPTH OF COMPLETED WELL</b> 65..... ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 10..... ft. below land surface measured on mo/day/yr. 7-6-10..... Pump test data: Well water was..... ft. after..... hours pumping..... gpm EST. YIELD..... gpm. Well water was..... ft. after..... hours pumping..... gpm Bore Hole Diameter 9..... in. to 65..... 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 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																																																							
				W	NW	NE	E																																																																
	SW	SE																																																																					
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<b>5 TYPE OF CASING USED:</b> <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 .5..... in. to .45..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft. Casing height above land surface..20..... in., Weight .160..... lbs./ft., Wall thickness or gauge No. ..214..... 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..45..... ft. to ..65..... ft., From ..... ft. to ..... ft. From..... ft. to ..... ft., From ..... ft. to ..... ft. GRAVEL PACK INTERVALS: From..65..... ft. to ..21..... ft., From ..... ft. to ..... ft. From..... ft. to ..... ft., From ..... ft. to ..... ft.																																																																							
<b>6 GROUT MATERIAL:</b> <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other ..... Grout Intervals: From .21..... ft. to .0..... 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 checked="" 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 none..... 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>4</td> <td>Sandy top soil</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>13</td> <td>Tan clay</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13</td> <td>23</td> <td>Medium sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>23</td> <td>28</td> <td>Dark brown tight</td> <td></td> <td></td> <td></td> </tr> <tr> <td>28</td> <td>55</td> <td>Medium sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>55</td> <td>63</td> <td>Tan clay &amp; sm. sand mix 60/40</td> <td></td> <td></td> <td></td> </tr> <tr> <td>63</td> <td>65</td> <td>Tan clay</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	4	Sandy top soil				4	13	Tan clay				13	23	Medium sand				23	28	Dark brown tight				28	55	Medium sand				55	63	Tan clay & sm. sand mix 60/40				63	65	Tan clay																					
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<b>7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> 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) 7-6-10..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. .134..... This Water Well Record was completed on (mo/day/year) 7-16-10..... under the business name of <u>Rosencrantz-Bemis Ent.</u> ..... by (signature) <u>Julian R. Davis</u> .....																																																																							
<b>INSTRUCTIONS:</b> Use typewriter or ball point pen. <u>PLEASE PRESS FIRMLY</u> and <u>PRINT</u> 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 <a href="http://www.kdheks.gov/waterwell/index.html">http://www.kdheks.gov/waterwell/index.html</a> .																																																																							

COPY

## ASSIGNMENT OF WATER WELL TO LANDOWNER

PERMIT NO. 2010028400

This agreement between Hesse Petroleum Company, LLC

And Dale Hinshaw

Certifies that said Landowner hereby accepts the water well drilled as a temporary source

Of water for an oil well drilled for Operator located approximately SW NE SE

In Section 17 Township 24S Range 9W of Reno

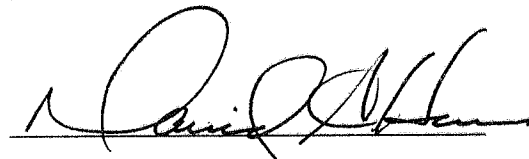
County, Kansas. Landowner hereby agrees that said water well will be for domestic use

Only and when no longer needed, agrees to plug the water well in accordance with the State

Regulation KAR 28-30-7.

Signed this 27th day of January, 2011

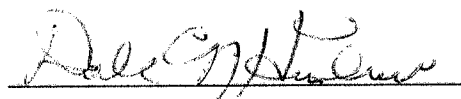
HESSE PETROLEUM CO. LLC:



By: David C. Hesse

Partner

LANDOWNER:



Dale N. Hinshaw

Signature