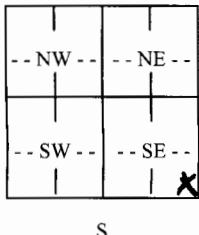
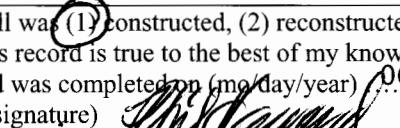


## WATER WELL RECORD

## Form WWC-5

Division of Water Resources; App. No.

20060247

<b>1 LOCATION OF WATER WELL:</b> County: Gray		Fraction SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$	Section Number 10	Township Number T 29S S	Range Number R 30W E/W		
Distance and direction from nearest town or city street address of well if located within city? Copeland: 1 1/2 NE on 56-- 1 1/4 S and 330' NW into--			<b>Global Positioning Systems</b> (decimal degrees, min. of 4 digits) Latitude: _____ Longitude: _____ Elevation: _____ Datum: _____ Data Collection Method: _____				
<b>2 WATER WELL OWNER:</b> Energy Operations KS RR#, St. Address, Box # : 9393 West 110th Street Ste 500 City, State, ZIP Code Overland Park, KS 66210							
<b>3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:</b> N  W E S	<b>4 DEPTH OF COMPLETED WELL</b> .....420..... ft. Depth(s) Groundwater Encountered (1).....210..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 210..... ft. below land surface measured on mo/day/yr 6/13/06 Pump test data: Well water was 210..... ft. after 1..... hours pumping 100..... gpm Est. Yield 100 gpm: Well water was ..... ft. after ..... hours pumping ..... gpm WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well ..... Was a chemical/bacteriological sample submitted to Department? Yes ..... No X.....; If yes, mo/day/yr Sample was submitted ..... Water well disinfected? Yes X..... No .....						
<b>5 TYPE OF CASING USED:</b> 1 Steel 3 RMP (SR) 5 Wrought Iron 8 Concrete tile 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Blank casing diameter .....6..... in. to 360..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.		CASING JOINTS: Glued X..... Clamped..... Welded..... Threaded.....					
Casing height above land surface.....24..... in., Weight....4,074.....lbs./ft. Wall thickness or guage No. SDR-21.316.....							
<b>TYPE OF SCREEN OR PERFORATION MATERIAL:</b> 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 9 ABS 11 Other (Specify) ..... 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)							
<b>SCREEN OR PERFORATION OPENINGS ARE:</b> 1 Continuous slot 3 Mill slot 5 Guazed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) .....							
SCREEN-PERFORATED INTERVALS: From.....360..... ft. to 420..... ft., From ..... ft. to ..... ft. to ..... ft. From ..... ft. to ..... ft., From ..... ft. to ..... ft. to ..... ft.							
GRAVEL PACK INTERVALS: From.....175..... ft. to 420..... ft., From ..... ft. to ..... ft. to ..... ft. From ..... ft. to ..... ft., From ..... ft. to ..... ft. to ..... ft.							
<b>6 GROUT MATERIAL:</b> 1 Neat cement 2 Cement grout 3 Bentonite 4 Other ..... hole plug..... Grout Intervals: From .....1..... ft. to 25..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.							
What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide Storage 16 Other (specify) 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well below) 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well ..... Direction from well? .....Southeast..... How many feet? .....250.....							
FROM	TO	LITHOLOGIC LOG		FROM	TO	PLUGGING INTERVALS	
0	2	Top Soil		282	296	Tan & Blue Sandy Clay	
2	35	Tan Clay		296	326	Sand & Blue Clay Streaks	
35	82	Clay & Sandy Clay		326	342	Sandy Clay	
82	97	Sand		342	415	Med Sand	
97	152	Med Sand		415	420	Tan & Red Sandy Clay	
152	162	Clay					
162	191	Med Sand					
191	198	Clay					
198	270	Med Sand					
270	282	Med & Course Sand					
<b>7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 06-13-06 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. KWCL 430. This Water Well Record was completed on (mo/day/year) 06-13-06 under the business name of Howard Drilling Co., Beaver, OK by (signature) 							

**INSTRUCTIONS:** Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies 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. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdhe.state.ks.us/geo/waterwells>.