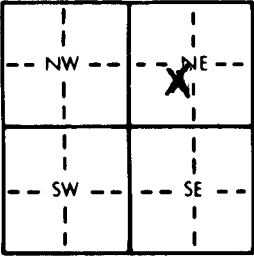


1 LOCATION OF WATER WELL: County: Morton	Fraction NE 1/4 SW 1/4 NE 1/4	Section Number 15	Township Number T 32 S	Range Number R 40 EW
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Distance and direction from nearest town or city street address of well if located within city?

6.5 mi E of Richfield,

2 WATER WELL OWNER: Harris Oil & Gas RR#, St. Address, Box #: P.O. Box 976 City, State, ZIP Code: Liberal, Ks 67905-0976	#1-715 Breeding Board of Agriculture, Division of Water Resources Application Number: 990013
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3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 	4 DEPTH OF COMPLETED WELL: 260 ft. ELEVATION: Depth(s) Groundwater Encountered 1. 215 ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL 215 ft. below land surface measured on mo/day/yr 12-18-98 Pump test data: Well water was 242 ft. after 1 hours pumping 60 gpm Est. Yield 60 gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter 11 in. to 260 ft., and in. to ft. 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 Lawn and garden only 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
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5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) 7 Fiberglass Blank casing diameter 6 in. to 260 ft. Dia in. to ft. Dia in. to ft. Casing height above land surface 24 in., weight 2.902 lbs./ft. Wall thickness or gauge No. 280 SDR 21 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 7 Torch cut 10 Other (specify) SCREEN-PERFORATED INTERVALS: From 160 ft. to 260 ft. From ft. to ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 140 ft. to 260 ft. From ft. to ft. From ft. to ft. From ft. to ft.
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6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Hole Plug Grout Intervals: From 0 ft. to 20 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 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) 13 Insecticide storage Direction from well? West How many feet? 250
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FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	76	Clay			
76	81	Clay / Sandy Clay			
81	90	Sand			
90	97	Sandstone			
97	115	Caliche / Clay / Sandstone			
115	140	Caliche/ Clay			
140	160	Sandy Clay / Sand			
160	181	Sand / Sandy Clay			
181	220	Sand			
220	247	Coarse Sand / Sandstone			
247	260	Red Bed			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 12-18-98 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/yr) 12-18-98 under the business name of Howard Drlg. Box 806 Beaver, Ok 73932 by (signature) <i>Howard Drlg.</i>
