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|---------------------------|----------------------------------|----------------------|---------------------------|--------------------------|
| 1 LOCATION OF WATER WELL: | Fraction SW 1/4 NW 1/4 NW 1/4 | Section Number 13 | Township Number T 34 S | Range Number R 24 E/W |
|---------------------------|----------------------------------|----------------------|---------------------------|--------------------------|

County: MORTON
 Distance and direction from nearest town or city street address of well if located within city?
2 miles south of Rolla, Kansas

| | | |
|---------------------------|---|---|
| 2 WATER WELL OWNER: | USDA FOREST SERVICE CIMARRON NATIONAL GRASSLAND | Board of Agriculture, Division of Water Resources |
| RR#, St. Address, Box # : | P.O. BOX J 242 HWY 56 EAST | Application Number: |
| City, State, ZIP Code : | ELKHART KANSAS 67950 | |

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| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: | 4 DEPTH OF COMPLETED WELL: 297 ft. ELEVATION: 3400 |
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Depth(s) Groundwater Encountered 1. 132 ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL 132 ft. below land surface measured on mo/day/yr

Pump test data: Well water was 132 ft. after 1 1/2 hours pumping 20 gpm

Est. Yield 80 gpm: Well water was ft. after hours pumping gpm

Bore Hole Diameter 9 7/8 in. to 297 ft., and in. to ft.

WELL WATER TO BE USED AS:

| | | | | |
|--------------|--------------|--------------------------|--------------------|--------------------------|
| 1 Domestic | 3 Feedlot | 6 Oil field water supply | 8 Air conditioning | 11 Injection well |
| 2 Irrigation | 4 Industrial | 7 Lawn and garden only | 9 Dewatering | 12 Other (Specify below) |

STOCK 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

| | | | |
|------------------------------|----------------|-----------------|---------------------------------------|
| 5 TYPE OF BLANK CASING USED: | 5 Wrought iron | 8 Concrete tile | CASING JOINTS: Glued <u>X</u> Clamped |
|------------------------------|----------------|-----------------|---------------------------------------|

1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded

2 PVC 4 ABS 7 Fiberglass Threaded

Blank casing diameter 5 in. to 257 ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface 30 in., weight lbs./ft. Wall thickness or gauge No. SCH 40

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 257 ft. to 297 ft., From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 20 ft. to 257 ft., From ft. to ft., From ft. to ft.

| | | | | |
|-------------------|---------------|----------------|-------------|---------|
| 6 GROUT MATERIAL: | 1 Neat cement | 2 Cement grout | 3 Bentonite | 4 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:

| | | | | |
|--------------------------|-----------------|-----------------|------------------------|--------------------------|
| 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? How many feet?

| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|-----|---|------|----|--------------------|
| 0 | 130 | SURFACE | | | |
| 130 | 180 | MED TO FINE SAND (60ft) | | | |
| 180 | 220 | FINE SAND WITH CLAY STREAKS(20ft) | | | |
| 220 | 240 | FINE SAND (20ft) | | | |
| 240 | 260 | MED SAND AND COURSE SAND(20ft) | | | |
| 260 | 270 | FINE SAND (10ft) | | | |
| 270 | 280 | FINE SAND AND COURSE SAND STREAKS(20ft) | | | |
| 280 | 297 | SAND WIHT CLAY BOTTOM (5ft) | | | |

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| 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) NOV. 20 1991 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 164 This Water Well Record was completed on (mo/day/yr) under the business name of Houch Bros. Drllg by (signature) M. Beard |
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