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|---|---|----------------------------|----------------------------------|--------------------------------|
| 1 LOCATION OF WATER WELL: County: Grant | Fraction NW 1/4 NE 1/4 NW 1/4 | Section Number 3 | Township Number T 28 S | Range Number R 35 EW |
|---|---|----------------------------|----------------------------------|--------------------------------|

Distance and direction from nearest town or city street address of well if located within city?
Apprx. 6 miles north and 5 miles east of Hickok, Kansas

2 WATER WELL OWNER: **Thomas Koehn**
 RR#, St. Address, Box # : **RFD 1** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : **Ulysses, KS 67870** Application Number:

| | |
|--|--|
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: | 4 DEPTH OF COMPLETED WELL... 530' ft. ELEVATION: |
| | Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. |
| | WELL'S STATIC WATER LEVEL Approx. 260' below land surface measured on mo/day/yr Pump test data: Well water was ft. after hours pumping gpm Est. Yield .. 25 ... gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter. 9. 7/8" in. to 530' 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 Observation well Was a chemical/bacteriological sample submitted to Department? Yes.....No.....; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes <input checked="" type="checkbox"/> No |

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded.....

Blank casing diameter ... **5"**.....in. to ... **530'**..... ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface ... **12"**..... in., weight **2.9** lbs./ft. Wall thickness or gauge No. ... **265"**.....

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify)
 9 ABS 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. **290-300** ft. to ... **480-530** ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From. **10-530** ft. to ft., From ft. to 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. **0-10** ft. to 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? **South** How many feet? **200 ft.**

| FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|------|----|-------------------------|------|----|----------------|
| | | SEE ATTACHED LOG | | | |
| | | | | | |
| | | | | | |

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) ... **10-7-86** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. ... **145** This Water Well Record was completed on (mo/day/yr) ... **10-16-86** under the business name of **Henkle Drilling & Supply CO., Inc.** by (signature) *Bruce J. Reichmuth*

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

DRILLERS TEST LOG

CUSTOMERS NAME Thomas Koehn DATE 10-7-86
 STREET ADDRESS RFD 1 TEST # 2 E. LOG Yes
 CITY & STATE Ulysses, KS 67880 DRILLER Bill Loss
 COUNTY Grant QUARTER NW SECTION 3 TOWNSHIP 28 RANGE 35

LOCATION NE of Trailer House - 75' NE of Hole #1, Telephone Cable 5' North of hole

WELL LOCATION

| % | FOOTAGE | | DESCRIPTION OF STRATA | Static Water Level |
|----|---------|--------|---|---------------------|
| | From | Pay To | | Proposed Well Depth |
| | 0 | 2 | Top Soil | |
| | 2 | 18 | Brown sandy clay | |
| | 18 | 46 | Tan sandy clay and caliche | |
| | 46 | 52 | Sand, fine to medium | |
| | 52 | 69 | Tan sandy clay | |
| | 69 | 79 | Tan sandy clay and few fine to medium sand streaks | |
| | 79 | 117 | Sand, fine to medium, and coarse and small to large gravel (drills rough in places, took alot of water) | |
| | 117 | 130 | Tan sandy clay | |
| | 130 | 140 | Tan clay (sticky) | |
| | 140 | 156 | Sand, fine to medium, and coarse and small gravel | |
| | 156 | 163 | Tan clay | |
| | 163 | 170 | Sand, fine to medium, and several tan clay streaks | |
| | 170 | 185 | Tan clay and limerock streaks | |
| | 185 | 194 | Blue clay (sticky) | |
| | 194 | 208 | Gray Clay (sticky) | |
| | 208 | 226 | Tan sandy clay | |
| | 226 | 252 | Tan sandy clay and fine to medium sand streaks | |
| | 252 | 267 | Sand, fine to medium, and coarse and few sandy clay stks. | |
| | 267 | 291 | Brown sandy clay and few fine sand streaks | |
| 50 | 291 | 11 302 | Sand, fine to medium, coarse and few small gravel | |
| | 302 | 342 | Brown clay-sticky | |
| | 342 | 363 | Brown clay (sticky) and fine sand streaks | |
| | 363 | 382 | Brown and gray clay (sticky) | |
| | 382 | 393 | Gray clay (sticky) | |
| | 393 | 407 | Brown clay (sticky) | |
| | 407 | 430 | Brown clay, few fine sand and limerock streaks | |
| | 430 | 434 | Fine sand and limerock | |
| | 434 | 440 | Brown clay and blue clay streaks | |
| | 440 | 456 | Blue clay and few limerock streaks | |
| | 456 | 466 | Soapstone | |
| | 466 | 480 | Brown sandy clay, fine sand, and few limerock streaks | |
| 35 | 480 | 12 492 | Sand, fine to small and limerock | |
| 20 | 492 | 6 498 | Brown rock, soapstone, and soapstone | |
| 30 | 498 | 26 524 | Yello sandstone and few soapstone streaks | |
| | 524 | 550 | Soapstone (white, yellow and red) | |
| | 550 | 554 | Limerock | |
| | 554 | 560 | Shale | |
| | | | | TOTAL DEPTH: 530' |

GARDEN CITY, KS
 Phone 276-3278

HENKLE DRILLING & SUPPLY CO., INC.
 IRRIGATION HEADQUARTERS

SUBLETTE, KS
 Phone 675-4311

TEST HOLES * * * * * IRRIGATION & INDUSTRIAL WELLS * * * * STOCK WELLS

PAGE 2
DRILLERS TEST LOG

CUSTOMERS NAME Thomas Koehn DATE _____
 STREET ADDRESS _____ TEST # _____ E. LOG _____
 CITY & STATE _____ DRILLER _____
 COUNTY _____ QUARTER _____ SECTION _____ TOWNSHIP _____ RANGE _____

LOCATION _____

| % | FOOTAGE | | DESCRIPTION OF STRATA | Static Water Level _____ | |
|---|---------|--------|--------------------------|---------------------------|-------------|
| | From | Pay To | | Proposed Well Depth _____ | |
| | | | 5" PVC | | |
| | | | PERF PLAIN | | |
| | | | 530-480 | 50' | |
| | | | 480-300 | | 180' |
| | | | 300-290 | 10' | |
| | | | 290-0' | | 290' |
| | | | TOTAL | 60' | 470' |
| | | | 2 5" Caps | | |
| | | | 1 5" Collar | | |
| | | | 2 Gallons - Formaldahyde | | |
| | | | 1 Box Borax | | |
| | | | 5 Bags Celca | | |
| | | | 1 Bag Gel | | |