

1 LOCATION OF WATER WELL
 County: **Stafford** Fraction: **NW 1/4 NW 1/4 NW 1/4** Section Number: **7** Township Number: **T 21 S** Range Number: **R 11 E (W)**

Distance and direction from nearest town or city? **4 mi E, 10 mi N Hudson, Kansas** Street address of well if located within city? **N/A**

2 WATER WELL OWNER: **Kansas Geological Survey/Groundwater Management District #5**
 RR#, St. Address, Box # : Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : **St. John, Kansas 67576** Application Number:

3 DEPTH OF COMPLETED WELL: **236** ft. Bore Hole Diameter: **9 7/8** in. to **236** ft., and in. to ft.
 Well Water to be used as:
 1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well
 2 Irrigation 4 Industrial 6 Oil field water supply 9 Dewatering (12) Other (Specify below)
 7 Lawn and garden only 10 Observation well **Research**

Well's static water level: **33.95** ft. below land surface measured on **Jan.** month **6** day **83** year
 Pump Test Data : Well water was ft. after hours pumping gpm
 Est. Yield gpm: Well water was ft. after hours pumping gpm

4 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 dia: **5.0** in. to **231** ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface: **16** in., weight lbs./ft. Wall thickness or gauge No: **Schd #40**

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)
 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)

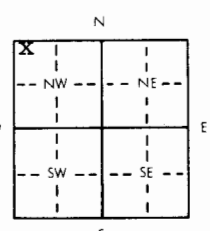
Screen-Perforation Dia: **5.0** in. to **236** ft., Dia in. to ft., Dia in. to ft.
 Screen-Perforated Intervals: From **231** ft. to **236** ft., From ft. to ft., From ft. to ft.
 Gravel Pack Intervals: From **229** ft. to **236** ft., From ft. to ft., From ft. to ft.

5 GROUT MATERIAL: 1 **(Neat cement)** 2 Cement grout 3 Bentonite 4 Other
 Grouted Intervals: From **129** ft. to **229** ft., From **0** ft. to **10** ft., From ft. to ft.
 What is the nearest source of possible contamination: **none known**
 1 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well
 2 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well
 3 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below)
 13 Watertight sewer lines
 Direction from well How many feet ? Water Well Disinfected? Yes **(No)**

Was a chemical/bacteriological sample submitted to Department? Yes **(No)** If yes, date sample was submitted month day year: Pump Installed? Yes **(No)**

If Yes: Pump Manufacturer's name Model No. HP Volts
 Depth of Pump Intake ft. Pumps Capacity rated at gal./min.
 Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was **(1)** constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on month day year
 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No.
 This Water Well Record was completed on month day **27** year under the business name of **Patrick M Cobb** by (signature)

7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

 ELEVATION: **1809**

| FROM | TO | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|------|-----|---|------|-----|---|
| *0 | 1 | Topsoil | 50 | 60 | Sandy clay, tan-pinkish gray, very fine-fine sand & gravel, some pebbles, QA; blue clay stringers |
| 1 | 4 | Sandy clay, white, fine | | | |
| 4 | 7 | Clay, yellow | 60 | 117 | |
| 7 | 30 | Sandy clay, pink-tan; fine qtz. arkose; gravel at 20 feet | | | |
| 30 | *31 | Sand, fine-med., qtz. arkose (QA) | | | continued on attached sheet |
| 31 | 34 | Sandy clay, tan w/caliche | | | |
| 34 | 50 | Sand & gravel, fine-coarse QA; cobbles 40-50' | | | |

Depth(s) Groundwater Encountered 1 ft. 2 ft. 3 ft. 4 ft. (Use a second sheet if needed)

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, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

*Abbreviated log - detailed log available from KGS

OFFICE USE ONLY
T 21
R 11
E W W SEC 7
NW 1/4
NW 1/4
NW 1/4

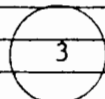
BIG BEND GMD#5-KGS
WATER QUALITY
OBSERVATION WELL
NETWORK

SITE NUMBER : 18 (KP3)
SITE LOCATION: NW NW NW

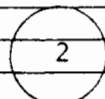
LEGAL LOCATION: 7-21-11W
COUNTY : STAFFORD

WELL LOG

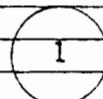
| FROM | TO | LITHOLOGIC LOG | OWNER: SCHLOCKTERNEIER |
|------|-----|--|------------------------|
| 0 | 1 | topsoil | |
| 1 | 4 | white clay and silt with fine quartz sand | |
| 4 | 7 | yellow clay | |
| 7 | 15 | pinkish-tan silty clay with fine qtz. arkosic sand; streaks of yellow sandy clay | |
| 15 | 20 | sandy clay, light tan; fine grained qtz. arkosic sand; trace of gravel at 20' | |
| 20 | 30 | pinkish tan sandy clay; trace of caliche | |
| 30 | 31 | qtz. arkosic sand, fine to med. grained | |
| 31 | 34 | tan sandy clay with caliche | |
| 34 | 50 | qtz. arkosic sand and gravel, fine to coarse, clean; cobbles in lower 10' | |
| 50 | 55 | tan sandy clay | |
| 55 | 60 | pinkish grey sandy clay; trace of grey sandy silt, fine grained | |
| 60 | 65 | fine gravel; coarse sand, qtz. arkosic; trace of blue sandy clay; small pebbles | |
| 65 | 95 | stringers of blue clay in coarse qtz. arkosic fine to coarse gravel | |
| 95 | 117 | fine to coarse qtz. arkosic sand; blue clay; fine gravel | |
| 117 | 122 | blue-green sandy clay and brown to greenish brown clay | |
| 122 | 125 | grey clay | |
| 125 | 135 | grey and tan clay lenses, some white and orange clay | |
| 135 | 149 | gravel | |
| 149 | 152 | brown clay and tan clay | |
| 152 | 164 | fine to coarse sand and fine gravel | |
| 164 | 168 | clay | |
| 168 | 170 | sand and gravel (same as 152' to 164') | |
| 170 | 192 | tan clay with gravel streaks | |
| 192 | 200 | fine to coarse sand and fine to med. gravel | |
| 200 | 214 | same with cobbles; trace of fine sandstone | |
| 214 | 236 | siltstone, red--PERMIAN | |



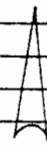
TD=50'
45'/5'



TD=202'
197'/5'



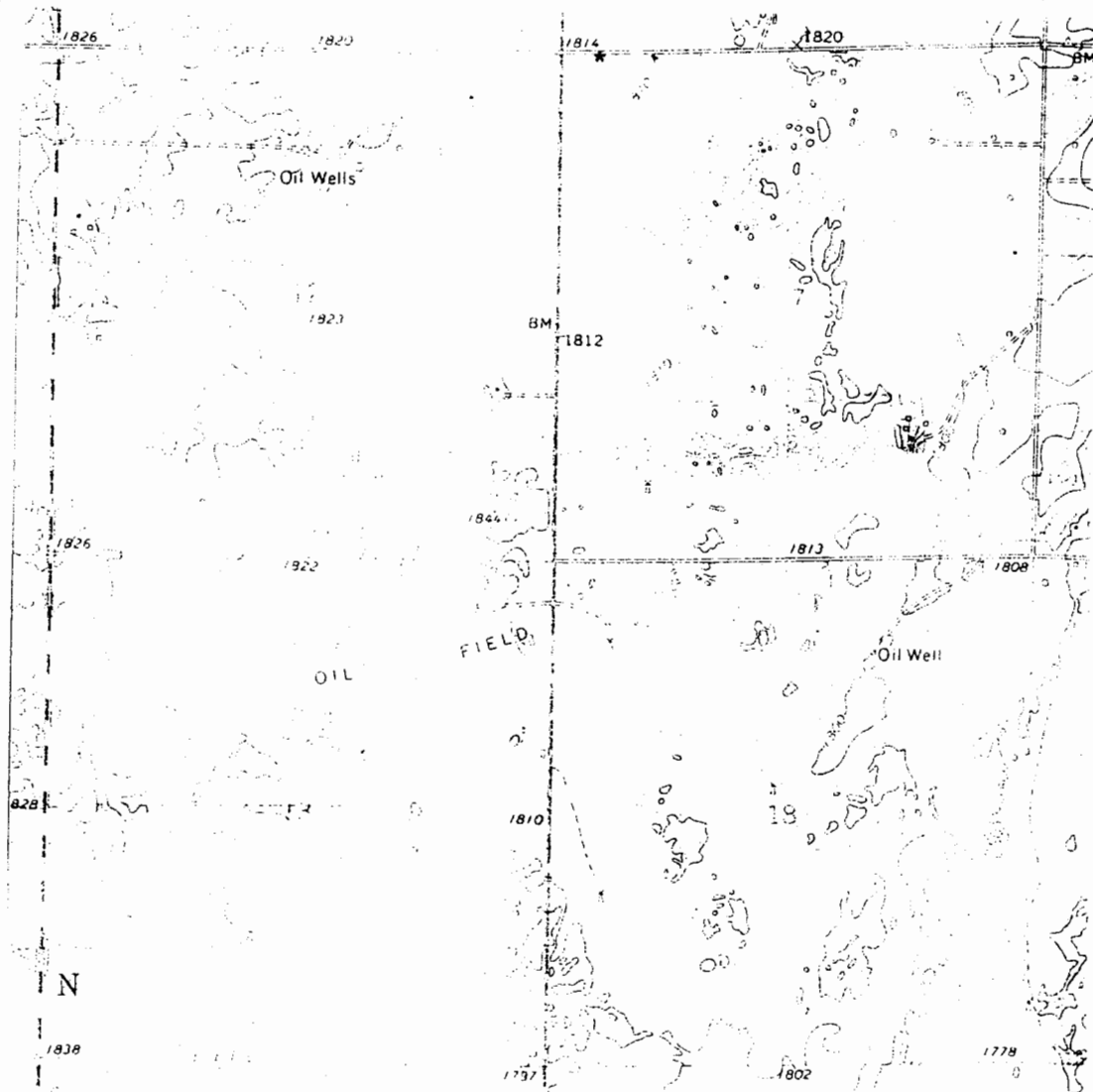
TD=236'
231'/5'



N

SITE NUMBER : 18(KP3)
SITE LOCATION : NW NW NW
LEGAL LOCATION: SEC7 T21S R11W
COUNTY : STAFFORD

LANDOWNER: ED SCHLOCKTERMEIER
ADDRESS : RURAL ROUTE
ELLINWOOD, KANSAS 67526
PHONE NO.: 316-564-2184



WELL LOCATION *