

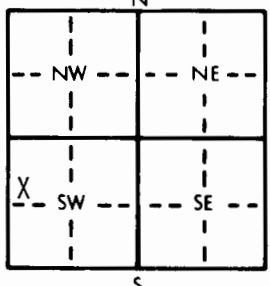
LOCATION OF WATER WELL: County: Butler Fraction: SW 1/4 NW 1/4 SW 1/4 Section Number: 29 Township Number: T 24 S Range Number: R 4 EW

Distance and direction from nearest town or city street address of well if located within city?

SEE ATTACHED #4B

WATER WELL OWNER: ENGINEERING ENTERPRISES, INC. Board of Agriculture, Division of Water Resources Application Number: RR#, St. Address, Box #: 1225 WEST MAIN SUITE 215 City, State, ZIP Code: NORMAN, OK 73069

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: DEPTH OF COMPLETED WELL: 46 ft. ELEVATION: 1341.05



Depth(s) Groundwater Encountered: 1. 7 ft. 2. 40 ft. 3. ft. WELL'S STATIC WATER LEVEL: ft. below land surface measured on mo/day/yr Pump test data: Well water was ft. after hours pumping gpm Est. Yield ? gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter: in. to 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) MONITOR 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well Was a chemical/bacteriological sample submitted to Department? Yes No X If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No X

TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped 2 PVC 4 ABS 7 Fiberglass 9 Other (specify below) Welded Threaded X Blank casing diameter: 4 in. to 36 ft., Dia. in. to ft., Dia. in. to ft. Casing height above land surface: 36 in., weight lbs./ft. Wall thickness or gauge No. SCH40

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 36 ft. to 46 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 33 ft. to 46 ft., From ft. to ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grout Intervals: From 0 ft. to 31 ft., From 31 ft. to 33 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 How many feet? 20

Table with columns: FROM, TO, LITHOLOGIC LOG. Content: SEE ATTACHED

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) 6-5-86 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 458 This Water Well Record was completed on (mo/day/yr) 7-11-86 under the business name of JIM WINNEK, INC. by (signature) [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, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

TEST HOLE NUMBER 4B

Job Potwin Terminal, Kansas Location SE of Tank 95

Date 2/20/86 Logged By C. Bartlett

Drilling Company Jim Winnek, Inc. Driller Bob Maston Rig Air Rotary













Hole Size 4-3/4" pilot, 7-7/8" Casing Details 4" threaded flush joint

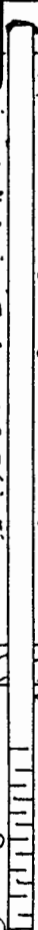
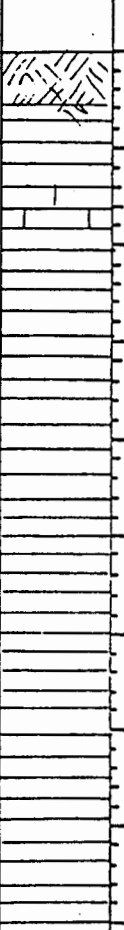
PVC (Triloc) 10 ft 20 slot screen 38 1/2 ft blank

G. L. Elev. 1341.05 M. P. 2.8 Elev. M. P. 1343.85

8-12 gravel pack

LEGEND:

| | | | | | |
|---------|---|--------------|---|-------------|---|
| Topsoil |  | Sand |  | Limestone |  |
| Clay |  | Bentonite |  | Native Fill |  |
| Shale |  | Cement Grout |  | PVC Casing |  |
| Silt |  | Gravel Pack |  | PVC Screen |  |

| Casing | Log | Description | Remarks |
|--|---|---------------------------------------|---------|
|  |  | 0 Topsoil, brown Shale, brown, tan | |
| | | 5 Limestone, white, gray, some water | |
| | | 10 Shale, brown, tan | |
| | | 15 Shale, gray | |
| | | 20 Shale, tan | |
| | | 25 Shale, tan | |
| | | 30 Shale, green | |
| | | 35 Shale, red | |
| | | 40 Shale, green, water | |