WATER WELL RECORD Form WWC-5 KSA 82a-1212

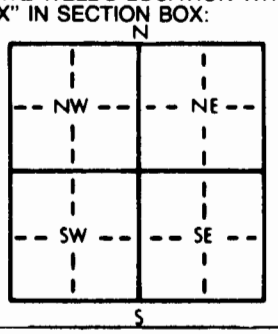
1 LOCATION OF WATER WELL: County: Seward | Fraction: SW¼ SE¼ NW¼ | Section Number: 4 | Township Number: T 35 S | Range Number: R 33 E/W

Distance and direction from nearest town or city street address of well if located within city?
343.5 E Pancake Rd. 48' E of NE Corner of Segar C

2 WATER WELL OWNER: Madden Oil, Co.
RR#, St. Address, Box # : P.O. Box 148
City, State, ZIP Code : Liberal, KS 67905

Board of Agriculture, Division of Water Resources
Application Number:

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




4 DEPTH OF COMPLETED WELL 160.5 ft. ELEVATION: 2833.52 - BOIT
Depth(s) Groundwater Encountered 1. 145.4 ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 144.50 ft. below land surface measured on mo/day/yr 8/25/95
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 8 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)
2 Irrigation 4 Industrial 7 Lawn and garden only (10) Monitoring well
Was a chemical/bacteriological sample submitted to Department? Yes (No); If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes (No)

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
(2 PVC) 4 ABS 7 Fiberglass (Threaded)
Blank casing diameter 4 in. to ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface Flush in., weight 2.071 lbs./ft. Wall thickness or gauge No. Sch. 40
TYPE OF SCREEN OR PERFORATION MATERIAL: (7 PVC) 10 Asbestos-cement
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)
2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
1 Continuous slot (3 Mill slot) 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)
SCREEN-PERFORATED INTERVALS: From 160.0 ft. to 130.0 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 160.5 ft. to 129.0 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 129.0 ft. to 3.0 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? 10'S 4440'W

| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|---|---|---|---|---|---|
| 0 | 38 | Clay w/ Sand Lenses | | | |
| 36 | 165 | Clays | | | |

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) 8/29/95 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 531 This Water Well Record was completed on (mo/day/yr) 10/10/95
under the business name of Geotechnical Services, Inc. by (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, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼