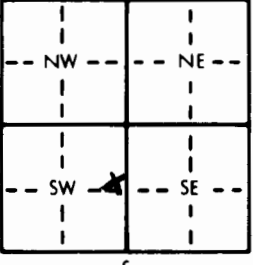


1 LOCATION OF WATER WELL: County: Miami Fraction: SE 1/4 NE 1/4 SW 1/4 Section Number: 4 Township Number: T 16 S Range Number: R 24 E
 Distance and direction from nearest town or city street address of well if located within city? 24564 Lactman Paola, KS. 66071

2 WATER WELL OWNER: Rick Norland
 RR#, St. Address, Box #: 6800 W 194th Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Stillwell, KS 66085 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 175 ft. ELEVATION: 175
 Depth(s) Groundwater Encountered: 1. none ft. 2. 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: 0 gpm; Well water was ft. after hours pumping gpm
 Bore Hole Diameter: 5 1/8 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 X; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No X

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 in. to ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface in., weight lbs./ft. Wall thickness or gauge No.
 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 ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 175 ft. to 0 ft., From ft. to ft., From ft. to ft.
 What is the nearest source of possible contamination: None at time of drilling
 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	3	soil + clay	167	175	grey sandstone, fine grained
3	6	limestone			
6	10	shale			
10	12	limestone			
12	23	shale			
23	36	sandy shale	175	0	High Solids Bentonite
36	38	grey sandstone			
38	48	shale			
48	52	limestone			
52	78	shale			
78	106	sandy shale			
106	115	shale			
115	143	limestone			
143	155	shale			
155	167	limestone			

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) 10-15-97 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 561 This Water Well Record was completed on (mo/day/yr) 10-15-97 under the business name of Trans Energy Dev. Inc. by (signature) [Signature]

OFFICE USE ONLY
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