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

1 LOCATION OF WATER WELL: Fraction C OF SE ¼ ¼ NE ¼ | Section Number 31 | Township Number T 29 S | Range Number R 14 E(W)

County: Pratt

Distance and direction from nearest town or city street address of well if located within city?
11 W 1½ S OF SAWYER, KS

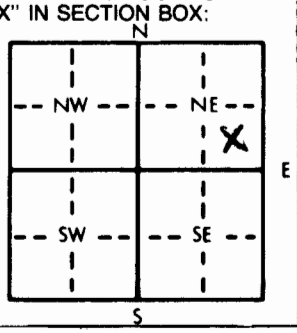
2 WATER WELL OWNER: Landmark Energy

RR#, St. Address, Box # : Great Bend, Kansas 67530

City, State, ZIP Code : Lease; Howell #1

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 146 ft. ELEVATION:

Depth(s) Groundwater Encountered 1. 96 ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL 96 ft. below land surface measured on mo/day/yr 27 July 82

Pump test data: Well water was ft. after hours pumping gpm

Est. Yield 80 gpm: Well water was ft. after hours pumping gpm

Bore Hole Diameter 10 in. to 146 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 X; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes X No

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

Blank casing diameter 5 in. to 126 ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface 12 in., weight lbs./ft. Wall thickness or gauge No. .214

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 126 ft. to 146 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 10 ft. to 146 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 ft. to 10 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 NONE

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	2	Tops soil			
2	35	Clay, brown and tan			
35	50	Sand, fine to coarse and fine to coarse gravel			
50	115	Clay, brown and tan with fine sand and white caliche			
115	150	Sand, fine to coarse and med toc coarse gravel, tight spots			

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) 27 July 82 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 325 This Water Well Record was completed on (mo/day/yr) 29 OCT 82 under the business name of Central Well & Pump 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.

OFFICE USE ONLY T 29 R 14 E(W) SEC. 31 C ¼ SE ¼ NE ¼