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

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: ELLSWORTH	NW ¼ SW ¼ NE ¼	28	T 17 S	R 10 E/W

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

2-S OF HOLYROOD,KS.

2 WATER WELL OWNER: HALLWOOD PETROLEUM INC.

RR#, St. Address, Box # : 915 PATTON RD.

City, State, ZIP Code : GREAT BEND,KS, 67530

Board of Agriculture, Division of Water Resources Application Number: 93-0284

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

N / NW / NE / X / W / E / SW / SE / S — 1 Mile

4 DEPTH OF COMPLETED WELL 130 ft. ELEVATION:

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

WELL'S STATIC WATER LEVEL 58 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 9 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 XX 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 X Clamped

1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded

XX PVC 4 ABS 7 Fiberglass Threaded

Blank casing diameter 5 in. to 120 ft., Dia in. to ft., Dia in. to ft.

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

TYPE OF SCREEN OR PERFORATION MATERIAL: XX 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 XX Mill slot 6 Wire wrapped 9 Drilled holes

2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 120 ft. to 130 ft., From ft. to ft.

From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 20 ft. to 130 ft., From ft. to ft.

From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout XX Bentonite 4 Other

Grout Intervals: From 0 ft. to 20 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well

1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well

2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)

3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage NONE

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	TOP SOIL			
3	90	CLAY			
90	130	SANDSTONE			

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) AUGUST 19, 1993 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 462-8 This Water Well Record was completed on (mo/day/yr) OCT. 13, 1993 under the business name of SAM'S WATER WELL SERVICE by (signature) Lora Rayburn

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