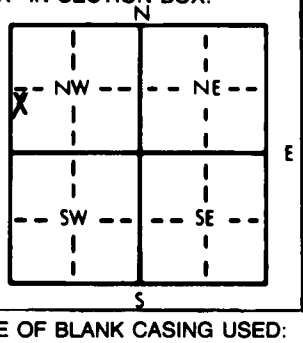
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Hamilton | Fraction: NW ¼ SW ¼ NW ¼ | Section Number: 31 | Township Number: T 24 S | Range Number: R 41 E(W)

Distance and direction from nearest town or city street address of well if located within city?
6m. South 7m west Syracuse Ks

2 WATER WELL OWNER: Harry Reed
RR#, St. Address, Box # : Box 133
City, State, ZIP Code : Coolidge, Ks 67836
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 380 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 160 ft. below land surface measured on mo/day/yr 6-1-86
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield 30 gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 18 in. to ft., and in. to ft.
WELL WATER TO BE USED AS: (1) Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below)
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: (2) PVC 1 Steel 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)
CASING JOINTS: Glued Clamped Welded Threaded
Blank casing diameter in. to ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 18 in., weight lbs./ft. Wall thickness or gauge No.
TYPE OF SCREEN OR PERFORATION MATERIAL: (7) PVC 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)
SCREEN-PERFORATED INTERVALS: From 200 ft. to 380 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From ft. to 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 15 ft., From ft. to ft., From ft. to ft.
What is the nearest source of possible contamination:
1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)
Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	42	Fine Sand - Tan			
42	67	Fine Gravel			
67	74	Clay + Gravel			
74	148	Shale w Sandstone Layers			
148	152	Sandstone Hard - Fine, Silty			
152	185	Shale			
185	318	Sandstone v fine, Silty			
318	332	Sandstone - Med. Soft			
332	380	Sandstone - Hard			

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) 6-1-86 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 365 This Water Well Record was completed on (mo/day/yr) 7-10-86 under the business name of Norman Hill Drilling Co. 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 Protection, Topeka, Kansas 66620-7320, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼

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DIVISION OF ENVIRONMENT

USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

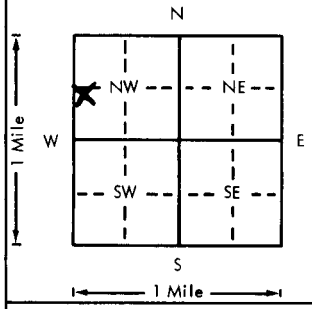
Kansas Department of Health and Environment-Division of Environment
(Water well Contractors)
Topeka, Kansas 66620

1. Location of well:	County	Fraction	Section number	Township number	Range number
	Hamilton	NW 1/4 SW 1/4 NW 1/4	31	T 24 S	R 41 E/W

2. Distance and direction from nearest town or city: 6mi South 7mi West Syracuse, Ks.
Street address of well location if in city:

3. Owner of well: Harry Reed
R.R. or street: Box 133
City, state, zip code: Coolidge, Ks 67836

4. Locate with "X" in section below: Sketch map:



6. Bore hole dia. 7⅞ in. Completion date
Well depth 380 ft. 6-1-86

7. __ Cable tool X Rotary __ Driven __ Dug
__ Hollow rod __ Jetted __ Bored __ Reverse rotary

8. Use: __ Domestic __ Public supply __ Industry
__ Irrigation __ Air conditioning X Stock
__ Lawn __ Oil field water __ Other

9. Casing: Material ____ Height: Above ~~or below~~
Threaded ____ Welded ____ Surface 18 in.
RMP ____ PVC X Weight ____ lbs./ft.
Dia. 6 in. to 380 ft. depth Wall Thickness: inches or
Dia. ____ in. to ____ ft. depth gage No. SDR-17

5. Type and color of material	From	To
Fine Sand - Tan	0	42
Fine Gravel	42	67
Clay & Gravel - Brown	67	74
Shale - Blue with Sandstone Layers	74	148
Sandstone Hard - Fine. - Silty	148	152
Shale - Blue with Sandstone Layers	152	185
Sandstone V Fine, Silty - Grey with shale layers	185	318
Sandstone Med Soft - Tan	318	332
Sandstone - Hard with soft layers	332	380

(Use a second sheet if needed)

10. Screen: Manufacturer's name Pearless
Type PVC Dia. 6 in
Slot/gauze .032 Length 180
Set between 200 ft. and 380 ft.
____ ft. and ____ ft.
Gravel pack? Yes Size range of material Bardseye

11. Static water level: mo./day/yr.
160 ft. below land surface Date 6-1-86

12. Pumping level below land surfaces:
____ ft. after ____ hrs. pumping ____ g.p.m.
____ ft. after ____ hrs. pumping ____ g.p.m.
Estimated maximum yield 30 g.p.m.

13. Water sample submitted: mo./day/yr.
__ Yes X No Date ____

14. Well head completion:
X Pitless adapter ____ Inches above grade

15. Well grouted? yes
With: X Neat cement ____ Bentonite ____ Concrete
Depth: From 0 ft. to 15 ft.

16. Nearest source of possible contamination:
ft. ____ Direction ____ Type ____
Well disinfected upon completion? X Yes ____ No

17. Pump: Not installed
Manufacturer's name Goulds
Model number 10ES1540 HP 1½ Volts 230
Length of drop pipe 280 ft. capacity 10 g.p.m.
Type:
X Submersible ____ Turbine
____ Jet ____ Reciprocating
____ Centrifugal ____ Other

18. Elevation:

Topography:
____ Hill
____ Slope
X Upland
____ Valley

19. Remarks:

20. Water well contractor's certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Norman Hill Drilling Co 365
Business name License No.
Address P.O. Box 783 Lamar CO. 81052
Signed Norman L. Hill Date 7-10-86
Authorized representative

T R W Sec 1/4 1/4 1/4

Forward the white, blue and pink copies to the Department of Health and Environment

Form WWC-5