

1 LOCATION OF WATER WELL:		Fraction	Section Number	Township Number	Range Number
County: <u>HAMILTON</u>		<u>NE 1/4 NW 1/4 NE 1/4</u>	<u>20</u>	<u>T 25 S</u>	<u>R 43 W</u>
Distance and direction from nearest town or city street address of well if located within city?					
<u>1 1/2 mi. S. & 3/4 mi E. of Coolidge KS.</u>					
2 WATER WELL OWNER: <u>Leland Gangwish</u>		Board of Agriculture, Division of Water Resources			
RR#, St. Address, Box #: <u>19 Hillcrest Drive</u>		Application Number: <u>23,743</u>			
City, State, ZIP Code: <u>Kearney NE 68847-3385</u>					
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: <u>420</u> ft. ELEVATION:			
N +-----+ X +---+ NW NE +---+ +-----+ W E +-----+ SW SE +---+ +-----+ S		Depth(s) Groundwater Encountered 1. <u>182.2</u> ft. 2. _____ ft. 3. _____ ft.			
		WELL'S STATIC WATER LEVEL <u>182.2</u> ft. below land surface measured on mo/day/yr <u>7-30-04</u>			
		Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm			
		Est. Yield <u>800</u> gpm: Well water was <u>301</u> ft. after <u>24</u> hours pumping <u>800</u> gpm			
Bore Hole Diameter: <u>28</u> in. to <u>420</u> 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 <u>(X)</u> If yes, mo/day/yr sample was submitted _____		Water Well Disinfected? <u>(X) Yes</u> No _____			
5 TYPE OF BLANK CASING USED:		CASING JOINTS: Glued _____ Clamped _____			
1 Steel 3 RMP (SR)		Welded _____			
2 PVC <u>(X)</u> 4 ABS		Threaded _____			
Blank casing diameter <u>16</u> in. to <u>320</u> 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 <u>(X)</u> 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 <u>(X)</u> 6 Wire wrapped 9 Drilled holes					
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____					
SCREEN-PERFORATED INTERVALS: From <u>320</u> ft. to <u>420</u> ft., From _____ ft. to _____ ft.					
GRAVEL PACK INTERVALS: From <u>20</u> ft. to <u>420</u> ft., From _____ ft. to _____ ft.					
FROM _____ ft. to _____ ft., FROM _____ ft. to _____ ft.					
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout <u>(X)</u> 3 Bentonite 4 Other _____					
Grout Intervals: From <u>0</u> ft. to <u>20</u> 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					
Direction from well? _____ How many feet? _____					
FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
		<u>Enclosed</u>	<u>0</u>	<u>20</u>	<u>Cement</u>
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) <u>7-30-04</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>123</u> . This Water Well Record was completed on (mo/day/yr) <u>8-27-04</u> under the business name of <u>Ark Valley Pump & Supply</u> by (signature) <u>Dave Smith</u>					
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.					

Ark Valley Pump & Supply

P. O. Box 235
(719) 537-6500 (Office)
(719) 537-6431 (Home)
Holly, Colorado 81047



NEB-KAN

WELL#2

2/24/04

0-15 TOP & CLAY
15-30 Clay (gum-turn blue)
30-75 Clay (blue)
75-90 Clay (gum&blue) & Little fine sand
90-105 Clay (gum & blue) & little fine sand (4Bran)
105-120 Clay (gum & blue) & little fine sand (3 Cotton)
120-125 Clay & Sand
125-135 Clay (gum & Blue)
135-155 Clay (gum)
155-158 Lime (very Hard & very very hard)
158-159 Clay
159-160 Sandstone (very very Hard)
160-165 Shale ~~to Little~~ Sandstone (took Water)
165-180 Shale (sand & Gum)
180-186 Sand (Sand & gum)
186-195 Sandstone (loss) Out Water
195-203 Sandstone (Loss) (Very Hard) (3BRAN)
203-206 Shale (1 cotton)
206-210 Sandstone Circulation back out water (1 BIT)
210-233 Sandstone (Hard & ~~Little~~ Dirt)
233-238 Shale (hard) Rock (very hard)
238-240 Sandstone (hard) & ~~little~~-dirt)
240-253 Sandstone (very hard) ~~Little~~-dirt
253-254 Rock (very very hard)
254-255 Shale (very hard)
255-266 Sandstone (very hard & dirt)
266-267 Rock (very very Hard)
267-270 Shale (very Hard)
270-280 Shale (very hard) & ~~Little~~ Rock (very hard)
280-285 Sandstone (little Hard)
285-292 Sandstone (Hard) & Dirt
292-293 Rock (very very Hard)
293-300 Sandstone (hard & dirt)
300-311 Shale (Hard)

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WELL #2 Continued

311-315 Sandstone (little Hard) took water
New BIT ~~AND RIP~~
315-330 Sandstone (Little Hard) ~~XXXXXXXX~~ DIRT
330-338 Sandstone (dirt)
338-345 Sandstone (Little Hard Little dirt)
345-355 Sandstone ^{Hard} (sand & dirt)
355-383 Sandstone (little hard & Broken)
383-387 Sandstone (very hard)
387-390 Sandstone (Very Hard & little broken)
390-394 Sandstone (very hard)
394-405 Sandstone (hard & sand & little broken)
405-420 Sandstone (very hard & hard & ^{SOFT} sand)
420-422 Sandstone (very hard) & ^{SOFT} sand)
422-435 Sandstone (very hard & very very hard)
435-450 Sandstone (very hard & very very hard) & little dirt)
450-457 Sandstone (very very hard & dirt
457-459 Rock (very very Hard)
459-465 Shale (very hard)
465-480 Shale (very hard) w/ Rock (very ^{very} hard)

Total Depth of well 420 ft.