

1 LOCATION OF WATER WELL		Fraction	Section Number	Township Number	Range Number
County: <u>Morton</u>		<u>SW 1/4 SW 1/4 SW 1/4</u>	<u>#25</u>	<u>T 34 S</u>	<u>R 40 EW</u>
Distance and direction from nearest town or city: <u>South Rolla, Mo 4 1/2 Miles</u>			Street address of well if located within city?		
2 WATER WELL OWNER: <u>Northern Natural Gas Co</u>					
RR#, St. Address, Box #: <u>RT-1 Box 17</u>					
City, State, ZIP Code: <u>Hugoton, Mo 67951</u>					
Board of Agriculture, Division of Water Resources Application Number: <u>31989</u>					
3 DEPTH OF COMPLETED WELL: <u>355</u> ft. Bore Hole Diameter: <u>10</u> in. to <u>355</u> ft., and <u> </u> in. to <u> </u> ft.					
Well Water to be used as:					
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	
Well's static water level: <u>177</u> ft. below land surface measured on <u>7</u> month <u>19</u> day <u>1979</u> year					
Pump Test Data: Well water was <u>180</u> ft. after <u>one</u> hours pumping. <u>23.5</u> gpm					
Est. Yield gpm: Well water was <u> </u> ft. after <u> </u> hours pumping <u> </u> gpm					
4 TYPE OF BLANK CASING USED:					
1 Steel		3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)	
2 PVC		4 ABS	7 Fiberglass		
Blank casing dia: <u>5</u> in. to <u>355</u> ft., Dia <u> </u> in. to <u> </u> ft., Dia <u> </u> in. to <u> </u> ft.					
Casing height above land surface: <u>24</u> in., weight <u>5" iron</u> lbs./ft. Wall thickness or gauge No. <u>258</u>					
TYPE OF SCREEN OR PERFORATION MATERIAL:					
1 Steel		3 Stainless steel	5 Fiberglass	8 RMP (SR)	11 Other (specify) <u>saw cut</u>
2 Brass		4 Galvanized steel	6 Concrete tile	9 ABS	12 None used (open hole)
Screen or Perforation Openings Are:					
1 Continuous slot		3 Mill slot	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
2 Louvered shutter		4 Key punched	6 Wire wrapped	9 Drilled holes	
			7 Torch cut	10 Other (specify)	
Screen-Perforation Dia: <u>5</u> in. to <u> </u> ft., Dia <u> </u> in. to <u> </u> ft., Dia <u> </u> in. to <u> </u> ft.					
Screen-Perforated Intervals: From <u>265</u> ft. to <u>280</u> ft., From <u>300</u> ft. to <u>320</u> ft.					
From <u>345</u> ft. to <u>355</u> ft., From <u> </u> ft. to <u> </u> ft.					
Gravel Pack Intervals: From <u> </u> ft. to <u> </u> ft., From <u> </u> ft. to <u> </u> ft.					
From <u> </u> ft. to <u> </u> ft., From <u> </u> ft. to <u> </u> ft.					
5 GROUT MATERIAL:					
1 Neat cement		2 Cement grout	3 Bentonite	4 Other	
Grouted Intervals: From <u>4</u> ft. to <u>14</u> ft., From <u> </u> ft. to <u> </u> ft., From <u> </u> ft. to <u> </u> ft.					
What is the nearest source of possible contamination:					
1 Septic tank		4 Cess pool	7 Sewage lagoon	10 Fuel storage	14 Abandoned water well
2 Sewer lines		5 Seepage pit	8 Feed yard	11 Fertilizer storage	15 Oil well/Gas well
3 Lateral lines		6 Pit privy	9 Livestock pens	12 Insecticide storage	16 Other (specify below)
Direction from well: <u>West</u> How many feet: <u>60</u> ? Water Well Disinfected? Yes <u>X</u> No <u> </u>					
Was a chemical/bacteriological sample submitted to Department? Yes <u> </u> No <u>X</u> If yes, date sample was submitted <u> </u> month <u> </u> day <u> </u> year					
Pump Installed? Yes <u>X</u> No <u> </u>					
If Yes: Pump Manufacturer's name: <u>Roda</u> Model No. <u>19D18P</u> HP <u>2</u> Volts <u>208</u>					
Depth of Pump Intake: <u>220</u> ft. Pumps Capacity rated at <u>23.5</u> gal./min.					
Type of pump:					
1 Submersible		2 Turbine	3 Jet	4 Centrifugal	5 Reciprocating
					6 Other
6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on <u>July</u> month <u>23</u> day <u>1979</u> year					
and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>127</u>					
This Water Well Record was completed on <u> </u> month <u> </u> day <u> </u> year under the business name of <u>Slocum Well Drilling</u> by (signature) <u>Paul Slocum</u>					
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM TO LITHOLOGIC LOG		FROM TO LITHOLOGIC LOG	
		0 80 Sand fine tan to brown		330 345 Clays + sand fine	
		80 92 Caliche's Redish		345 355 " + sand coarse	
		92 112 Sand			
		112 132 Clays + silts balls Compact			
		132 143 Shale blue Gray			
		143 151 Sand brown			
		151 180 silts Compact w/sand			
		180 220 " w/caliche stringers			
		220 300 " w/silt balls brown			
		300 320 Sand w/gravel			
320 330 Clay s + silts					
ELEVATION: <u>320</u> <u>330</u>					
Depth(s) Groundwater Encountered 1. <u>177</u> ft. 2. <u> </u> ft. 3. <u> </u> ft. 4. <u> </u> ft. (Use a second sheet if needed)					
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, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.					