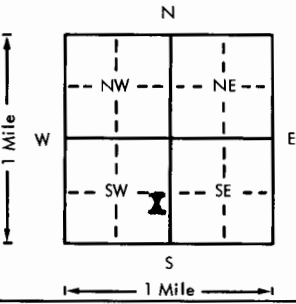
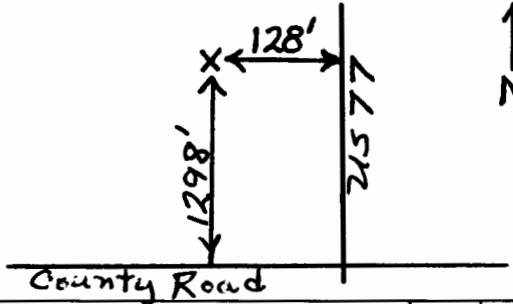


USE TYPEWRITER OR BALL
POINT PEN-PRESS FIRMLY,
PRINT CLEARLY.

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 Butler	Fraction NE 1/4 SE 1/4 SW 1/4	Section number 14	Township number T 25 S	Range number R 5 E
2. Distance and direction from nearest town or city: Street address of well location if in city: 1 1/2 mile north of El Dorado on US 77				3. Owner of well: Kansas Dept. of transportation R.R. or street: Fifth District City, state, zip code: Hutchinson, Kansas		
4. Locate with "X" in section below:		Sketch map:		6. Bore hole dia 5 5/8 . Completion date 6-12-81 Well depth 165 ft.		
				7. Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Reverse rotary		
5. Type and color of material				8. Use: <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input checked="" type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Stock <input type="checkbox"/> Lawn <input type="checkbox"/> Oil field water <input type="checkbox"/> Other		
				9. Casing: Material <input type="checkbox"/> Height: Above or below <input type="checkbox"/> Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface 31 in. RMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Weight 1.26 lbs./ft. Dia. 6 in. to 48 ft. depth Wall Thickness: inches or Dia. 4 in. to 165 ft. depth Gauge No. 20		
Clay, Silty, brown and reddish brown				10. Screen: Manufacturer's name Pumpco Type PVC Dia. 4 Slotted Length 46.4 Feet Set between 1117 ft. and 157.1 ft. Gravel pack? No Size range of material		
				11. Static water level: 53.6 ft. below land surface Date 6-24-81 12. Pumping level below land surfaces: 79.2 ft. after 5 hrs. pumping 42.0 g.p.m. ft. after hrs. pumping g.p.m. Estimated maximum yield 100+ g.p.m.		
Shale, clayey and silty, green-gray				13. Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date		
Shale, maroon and green				14. Well head completion: <input type="checkbox"/> Pitless adapter 31 inches above grade		
Shale, limy, green-gray				15. Well grouted? Yes With: <input checked="" type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From 1.0 ft. to 48.8 ft.		
Limestone, light brown to gray				16. Nearest source of possible contamination: None ft. Direction Type Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Shale, blue-green				17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name Model number HP Volts Length of drop pipe ft. capacity g.p.m. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other		
Limestone, thin shale partings, gray to dark gray				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. K-DOT Business name License No. Address Signed Date Authorized representative		
Limestone, tan-gray to gray, cherty						
Shale, gray and green-gray						
(Use a second sheet if needed)						
18. Elevation: 1349.85 Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input type="checkbox"/> Valley		19. Remarks: This well will supply water to be used for pollution control with the district Hot-Mix Asphalt Plant.				



REPORT OF INORGANIC WATER ANALYSIS

STATE OF KANSAS
DEPARTMENT OF HEALTH & ENVIRONMENT
OFFICE OF LABORATORIES AND RESEARCH
FORBES BLDG. 740, TOPEKA, KANSAS 66620

Address inquiries to:
Division of Environment
Mail samples to:
Environmental Laboratories

Lab. No. 1651

Acct. Oil Field

Copies To:

Oil Field
SCD
Ks. Geol. Survey ✓
Lawrence, Ks. c/o
Howard O'Connor
Don Brison
Ks. Dept. of Trans.
Eldorado, 67042
Larry Rockers
2300 Van Buren
Topeka, Ks. 66601

LOCALITY Butler County COLLECTED BY Don Brison
DATE COLLECTED 3/17/82 DATE REC'D 3/18/82 DATE REPORTED APR 2 1982

Remarks:

Lab. No. 1651
Source: NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 14-25-5E
Depth of Water Well
165'

Lab. No. _____
Source: _____

Lab. No. _____
Source: _____

Results expressed in
Milligrams Per Liter

pH	.....	.....	.....	.....
Total Hardness (as CaCO ₃)	..... <u>330</u> .....	.....	.....	.....
Calcium (Ca ⁺⁺) <u>73</u> .....	.....	.....	.....
Magnesium (Mg ⁺⁺) <u>36</u> .....	.....	.....	.....
Sodium (Na ⁺) <u>45</u> .....	.....	.....	.....
Total Alkalinity (as CaCO ₃)	..... <u>326</u> .....	.....	.....	.....
Chloride (Cl) <u>43</u>
Sulfate (SO ₄) <u>96</u>
Nitrate (as N) <u>0.0</u>
Fluoride (F) <u>1.3</u>
Iron <u>0.13</u>
Manganese <u>0.00</u>
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F-0