

1 LOCATION OF WATER WELL	Fraction	Section Number	Township Number	Range Number
County: <u>Pratt</u>	<u>SE</u> 1/4 <u>SE</u> 1/4 <u>SE</u> 1/4	<u>1</u>	T <u>26</u> S	R <u>11</u> <u>W</u>

Distance and direction from nearest town or city? Two mi. west of Turon

Street address of well if located within city?

2 WATER WELL OWNER: KGS / GWMD *5

RR#, St. Address, Box #

City, State, ZIP Code

Board of Agriculture, Division of Water Resources
Application Number: NA

3 DEPTH OF COMPLETED WELL: 150 ft. Bore Hole Diameter: 9 7/8 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	6 Oil field water supply
2 Irrigation	4 Industrial	7 Lawn and garden only
		9 Dewatering
		10 Observation well
		12 Other (Specify below) <u>Research</u>

Well's static water level: 27.9 ft. below land surface measured on Jan month 28 day 1983 year

Pump Test Data: Well water was ... ft. after ... hours pumping ... gpm

Est. Yield: Well water was ... ft. after ... hours pumping ... gpm

4 TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)
<u>2 PVC</u>	4 ABS	7 Fiberglass	

Blank casing dia: 5.0 in. to 1.95 ft. Dia. in. to ... ft. Dia. in. to ... ft. Dia. in. to ... ft.

Casing height above land surface: ... in. weight ... lbs./ft. Wall thickness or gauge No. Schd #40

TYPE OF SCREEN OR PERFORATION MATERIAL:

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:

1 Continuous slot	<u>3 Mill slot</u>	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: 5.0 in. to ... ft. Dia. in. to ... ft. Dia. in. to ... ft. Dia. in. to ... ft.

Screen-Perforated Intervals: From 145 ft. to 150 ft., From ... ft. to ... ft., From ... ft. to ... ft., From ... ft. to ... ft.

Gravel Pack Intervals: From 142 ft. to 150 ft., From ... ft. to ... ft., From ... ft. to ... ft., From ... ft. to ... ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other

Grouted Intervals: From 138 ft. to ... ft., From ... ft. to ... ft., From ... ft. to ... ft., From ... ft. to ... ft.

What is the nearest source of possible contamination: none known

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)
			13 Watertight sewer lines	

Direction from well ... How many feet ... ? Water Well Disinfected? Yes No

Was a chemical/bacteriological sample submitted to Department? Yes No If yes, date sample was submitted ... month ... day ... year

Pump Installed? Yes No

If Yes: Pump Manufacturer's name ... Model No. ... HP ... Volts

Depth of Pump Intake ... ft. Pumps Capacity rated at ... 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 6 month 25 day 81 year

and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. ...

This Water Well Record was completed on ... month ... day ... year under the business name of ... by (signature)

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
	0	4	topsoil	85	91	sand, coarse, with white clay
	4	14 14	sand, fine thru coarse	91	105 111	sand, coarse to fine
	14	29	fine sand	111	140 137	sand, fine
	29	46	sand medium & coarse	140 137	161	silt stone, sandy, red
	46	63	clay, tan, with varying amount of coarse sand: caliche zones at 49', 53', 60'			
	63	77	clay, white, with varying amounts of coarse sand			
	77	85	sand, coarse with white clay stringers			

ELEVATION: 1767.8

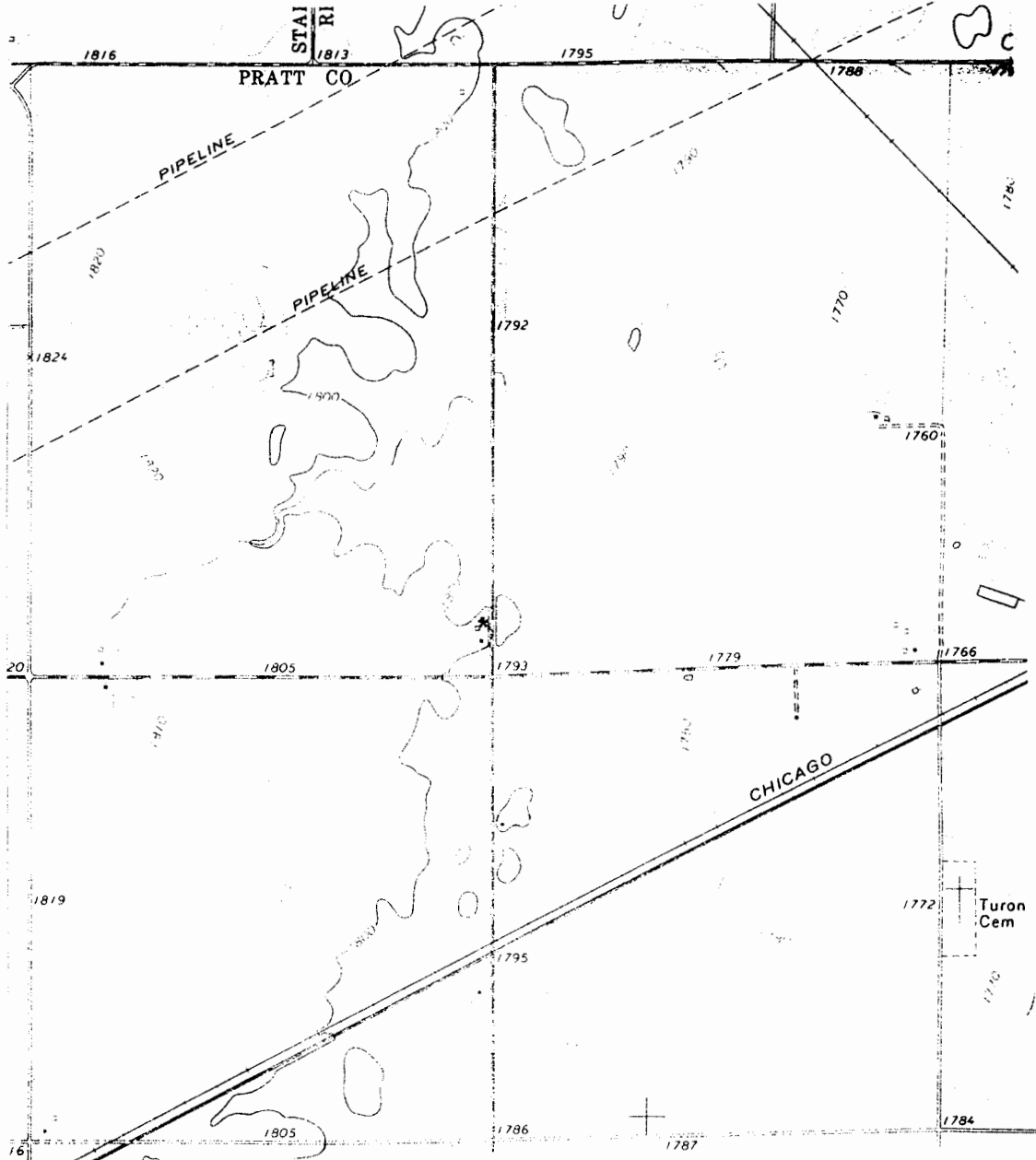
Depth(s) Groundwater Encountered 1. ... ft. 2. ... ft. 3. ... ft. 4. ... ft. (Use a second sheet if needed)

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.

SITE NUMBER : 21
SITE LOCATION : SE SE SE
LEGAL LOCATION: SE1 T26S R11W
COUNTY : PRATT

LANDOWNER: RON SCHWERTFEGER
ADDRESS : RURAL ROUTE 1
TURON, KANSAS 67583
PHONE NO.: 316-497-6905

Clear, 1801



WELL LOCATION *

WIRE LINE LOG DATA

Site #	Well #	Time	Date	Type of Log		Depth of Well From Log	Date Last Pumped	Comments
				G=Gamma C=Cond. T=Temp.				
21	#2	10:15 AM	6/21/84	C		118		Started logging from W.L. of 25.5 ft to bottom of 116.4 ft <u>Probe clean on bottom</u>
21	#1		6/21/84	G		118 150		Started logging from bottom of Loss Gamma Probe (Lost Gamma probe at 11:00 AM)
21	#2	3:30 PM	7/26/84	C		118 ft		Started logging from W.L. of 25.9 ft to the bottom of 116.0 ft
21	#2	5:00 PM	7/26/84	Caliper		118 ft		Started logging from bottom of 116.5 ft
21	#1	4:00 PM	7/26/84	C		150 ft		Started logging from W.L. of 28.6 ft to the bottom of 143 ft
21	#1	4:30 PM	7/26/84	G		150 ft		Red mud on bottom of Probe Started logging from bottom of 142.3 ft lots of red mud on the bottom.

H. I. YARDS		FORESIGHT		
YARDS	ELEV. YARDS	YARDS	CHECK	DIST. COLOR
-2		Elevation brought forward from page		
NONE				
THH THH III				2.25 FT ABOVE
CASING	1 (5 FT)			GROUND
ED CASING	(THH IIII) (20 FT)			+ 13' + 1'
Y + 6' BIT				= 21 FT
S ON RIG				
FROM 186 TO 76				
STARTED DRILLING		11:30 AM		
STOPPED		5:15 P		
PACK, 8 FT, FROM 194 TO 186				
DEPTH = 9(20) + (5) + (14) - .25(10) - (2.25) = 194.25				
FRI, JUNE 19, 2.0 HRS				
MENT. PICKED UP JUNE 19 BEFORE GOING				
1, MONDAY, 3:30 P - , WELL 20-2				
JUNE				
III				
CASING, 5 FT, FROM 46 TO 51				
ED CASING III (20 FT) 9 FT, 28" above ground				
ED EXCEPT TOP 10 FEET				
GRAVEL PACK				
DEPTH BELOW GROUND = 40 FT +				
- 2 FT 4" - 2(3") = 51 FT, 2 INCHES				
RM 20-2 20-3				
THAT THE BOTTOM CAP FELL				
DURING INSTALLATION. DRILLER USUALLY				
GLUE BOTTOM CAP ON.				

ELEV. FEET	PRATT COUNTY	DESCRIPTIONS
		Arrived SA
		Started Drilling 9:30A
		Stopped 2:30P
		Left at 8 P
	WELL 21-1	
	17 stems on rig	
	15' Kelly + 6' BIT	21 FT TOTAL
0-4	TOPSOIL	
4-10	fine/medium/coarse sand, quartz/trkose (at)	
10-14	same	
14-17	very fine sand	
17-21	same	
21-35	NO SAMPLES	
35-41	medium/coarse sand	
41-46	same	
46-48.49	tan clay and coarse sand, some caliche	
49-50	hard zone, caliche, tan clay, coarse sand	
50-55	tan clay, coarse sand, some caliche	
55-63	less clay, hard zone at 60 FT	
63-69	white clay, coarse sand	
69-77	less clay	
77-85	coarse sand, some tan clay	
85-91	coarse sand, some white clay	
91-105	coarse sand, possibly fines washed out	
105-111	fine to coarse sand	
111-126	fine sand	
126-140	same	
→ 140-156	Red Red	
156-161	coral, retrieved ≈ 3 FT, possibly sandstone and silt.	
* 14 CEMENT BAGS PICKED UP AT GREEN LUMBER		
GRAVEL PACK, 5 FT. [OBSERVATIONS] →		
CAPS 1		
MUD III		
CEMENT THH THH I		
UNSLOTTED CASING THH 11 (20'), 9.5' / 2' above ground		
SLOTTED 5 FT, FROM 150.5 TO 145.5		
PAGE CHECK		
COLLARS 1		
TOTAL CASED LENGTH; 7(20) + (9.5 - 2) / (-.25)(2) = 150.5		

ELEV.—ELEV. SUMS FOR PAGE
B. S.—F. S.

Date: _____, 19____, Lev. _____ Rec. _____

Line from _____, via _____

BACKSIGHT		H. I. YARDS		FORESIGHT			
COLOR	DIST.	CHECK	YARDS	ELEV. YARDS	YARDS	CHECK	DIST. COLOR

ELEV. FEET

DESCRIPTIONS

Elevation brought forward from page _____

Well # 3 48

Well #2 118

5" PVC USED THROUGHOUT

WELL 21-1

DRILLED 15 FT INTO RED ROCK, THEN
 CORED 6 FT AND RETRIEVED ABOUT 3 FT.
 CASING ONLY EXTENDS TO 150.5 FT.
 DROPPED CORE BLOCKED CASING
 ADVANCE/PLACEMENT. DRILLER CUT
 CIRCULATION SHORT, POSSIBLE THAT
 SIGNIFICANT CAVING OCCURRED DURING
 PLACEMENT OF CASING. THEY WERE
 NOT ABLE TO BACKFLUSH, EVEN
 THOUGH SCREENED CASING WAS NOT
 INTO THE CORE HOLE (WHICH WOULD CREATE
 LARGE FLOW RESISTANCE). THEY WENT
 BACK DOWN THE OUTSIDE AND FLUSHED
 TO CLEAR DEBRIS. THEN THEY
 DROPPED IN THE 2" GRAVEL PACK (5 FT),
 BUT I DOUBT THAT A PROPER PACK
 WAS PLACED. THEN THEY TRIED DROPPING
 THE STEM TO INJECT GROUT, BUT
 COULD ONLY REACH 138 FT AFTER MUCH
 FRUSTRATING EFFORT.

→ GROUTED ; 138 TO 28

- SEPARATION OF BED ROCK FROM
 LOWER AQUIFER INCOMPLETE.

SUMS FOR PAGE

ELEV.—ELEV.

SUMS FOR PAGE

PAGE CHECK

B. S.—F. S.