1 LOCATION OF WATER WELL:	Fraction	Section Number   Township N	lumber   Range Number
County: Harvey	SE 1/4 SE 1/4 SE	1/4 23 T 23	s R 3 W
Distance and direction from nearest tow	wn or city street address of well if located wit wy. 50, 510 feet west of center of V	hin city? Willow Lake Road	
2 WATER WELL OWNER: City of			
	S. Spring Lake Road	Board of Agri	culture, Division of Water Resources
	ead, Kansas 67056	Application N	umber:
3 LOCATE WELL'S LOCATON WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL	252 ft. ELEVATION:	1440
N N	Depth(s) Groundwater Encountered 1	<b>63.25</b> ft. 2	ft. 3
A X C : T : T		.25 ft. below land surface measured	
T NA NE	Pump test data: Well water w		hours pumping gpm
	Est. Yield gpm: Well water w	vas ft. after	hours pumping gpm control hours pumping gpm no
<u>®</u> W E	[	752 ft. and	in. to ft. Spining 11 Injection well
		olic water supply 8 Air conditions field water supply 9 Dewatering	oning 11 Injection well 12 Other (Specify below)
SW SE		vn and garden (domestic) 10 Monitorin	
<b>▼</b>	Was a chemical/bacteriological sample sub	bmitted to Department? Yes No X	If yes, mo/day/yr sample was
S	submitted	Water Well Disinfect	ed? Yes No X
5 TYPE OF BLANK CASING USED:	5 Wrought Iron	8 Concrete tile CASING JOI	
1 Steel 3 RMP (		9 Other (specify below)	Welded
Blank casing diameter 2	7 Fiberglass in to 232 ft. Dia		Threaded X
Blank casing diameter  Casing height above land surface	in. to <b>232</b> ft., Dia <b>36</b> in., weight <b>0</b>	in. to ft., Dia  Ibs./ft. Wall thickness or	in. to ft.
TYPE OF SCREEN OR PERFORATION			estos-cement
1 Steel 3 Stainle	3	8 RMP (SR) 11 Oth	er (specify)
2 Brass 4 Galvai SCREEN OR PERFORATION OPENIN	nized steel 6 Concrete tile		e used (open hole)
	NGS ARE: 5 Gauzed Mill slot 6 Wire wro	wrapped 8 Saw cut apped 9 Drilled holes	11 None (open hole)
•	Key punched 7 Torch c		I
SCREEN-PERFORATED INTERVALS:	: From <b>232</b> ft. to	252 ft. From	ft. to ft.
	From ft. to	ft. From	ft. to
GRAVEL PACK INTERVALS:	From 230 ft. to	252 ft. From	ft. to ft.
6 GROUT MATERIAL: 1 Neat of	From ft. to	ft. From 3 Bentonite 4 Other Volc	ft. to ft.
	cement 2 Cement grout ft. to 230 ft. From	3 Bentonite 4 Other <b>VOIC</b> ft. to ft. From	ft. to ft.
What is the nearest source of possible of	11. 1 10111	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 la	•	16 Other (specify below)
3 Watertight sewer lines Direction from well?	6 Seepage pit 9 Feedyard	13 Insecticide storage	
FROM TO CODE	LITHOLOGIC LOG	How many feet? FROM TO PL	UGGING INTERVALS
Sec	e attached log		
7 CONTRACTOR'S OR LANDOWNER	R'S CERTIFICATION: This water well was	constructed, (2) reconstructed, or (3) plu	gged under my jurisdiction and was
completed on (mo/day/yr)	08/23/2006	and this record is true to the best of r	
Water Well Contractor's License No.	102	This Water Well Record was completed	V/1. 1111 1 1/2
under the business name of	Layne Christensen Compa s and circle the correct answers. Send three cop	by (signat <del>ure)</del>	un nua
Jackson St., Ste. 420, Topeka, Kansas	s and circle the correct answers. Send three cops 66612-1367. Telephone: 913-296-5545. Sen	d one to WATER WELL OWNER and retain of	one for your records.

## **TEST HOLE REPORT**

## LAYNE Western, a Div. of LAYNE Christensen Wichita, Kansas

Contract Name: Wichita ASR	Test Hole No.	RRW3 MW2
	Date:	August 23, 2006
	Driller:	Tom Atherton

Location of Test Hole:	Elevation of Test Hole:
	Static Water Level:
Page 1 of 3	Measured Hours After Completion

From	То	Description of Strata
0	5	red-orange sandy silty clay, low plastic
5	10	red-orange clayey silty sand, fine to coarse gravel
10	15	red-orange silty sand, fine to coarse with gravel, slight clay
15	20	orange silty sand, fine to coarse with gravel
20	25	orange, olive silty sandy clay, medium plastic, fine to coarse with gravel
25	30	orange, olive silty sandy clay, medium plastic, fine to coarse with gravel
30	35	orange silty sand, very fine to coarse with gravel, slight clay
35	40	orange silty sand, very fine to coarse with gravel, slight clay
40	45	orange silty sand, very fine to coarse with gravel, slight clay
45	50	orange silty sand, very fine to coarse with gravel, slight clay
50	55	orange silty sand, very fine to coarse with gravel, slight clay
55	60	orange silty sand, very fine to coarse with gravel, slight clay
60	65	orange, olive silty sand, very fine to coarse with gravel, slight clay
65	70	orange, olive silty sand, very fine to coarse with gravel, slight clay
70	75	olive silty sand, fine to coarse with gravel, slight clay
75	80	olive silty sand, fine to coarse with gravel, slight clay
80	85	olive silty sand, fine to coarse with gravel, slight clay
85	90	olive silty sand, fine to coarse with gravel, slight clay
90	95	olive, orange silty sand, fine to coarse with gravel, slight clay

## **TEST HOLE REPORT**

## LAYNE Western, a Div. of LAYNE Christensen Wichita, Kansas

Contract Name: Wichita ASR	Test Hole No.	RRW3 MW2
	Date:	August 23, 2006
	Driller:	Tom Atherton

Location of Test Hole:	Elevation of Test Hole:
	Static Water Level:
Page 2 of 3	Measured Hours After Completion

From	То	Description of Strata
95	100	olive, orange silty sand, very fine to coarse with gravel, slight clay
100	105	olive, orange clayey silty sand, fine to coarse
105	110	olive, orange clayey silty sand, fine to coarse
110	115	olive clayey silty sand, fine to coarse with gravel
115	120	olive clayey silty sand, fine to coarse with gravel
120	125	olive silty clayey sand, fine to coarse with gravel, medium plastic
125	130	olive silty clayey sand, fine to coarse with gravel, medium plastic
130	135	olive silty clayey sand, fine to coarse with gravel, clay lens
135	140	olive silty clayey sand, fine to coarse with gravel, clay lens
140	145	olive, clayey silty sand, fine to coarse with gravel, clay lens
145	150	olive, silty sand, fine to medium, slight clay
150	155	olive, silty sand, fine to medium, slight clay
155	160	olive, silty sand, fine to medium, clay lens
160	165	olive silty clay, medium to high plastic, sand lens
165	170	olive silty clayey sand, fine to coarse with gravel, clay lens
170	175	olive clayey silty sand, fine to medium
175	180	gray-olive sandy silty clay, medium to high plastic, sand lens
180	185	olive-gray sandy silty clay, medium to high plastic
185	190	olive-gray sandy silty clay, medium to high plastic

# TEST HOLE REPORT

#### LAYNE Western, a Div. of LAYNE Christensen Wichita, Kansas

Contract Name: Wichita ASR	Test Hole No.	RRW3 MW2
	Date:	August 23, 2006
	Driller:	Tom Atherton

Location of Test Hole:	Elevation of Test Hole:
	Static Water Level:
Page 3 of 3	Measured Hours After Completion

From	То	Description of Strata
190	195	olive-gray sandy silty clay, medium to high plastic
195	200	olive-gray sandy silty clay, medium to high plastic
200	205	olive-gray sandy silty clay, medium to high plastic
205	210	orange, olive-gray sandy silty clay, medium to high plastic, sand lens
210	215	olive-gray sandy silty clay, medium to high plastic
215	220	olive-gray sandy silty clay, medium to high plastic
220	225	olive silty sand, fine to coarse
225	230	olive silty sand, fine to coarse
230	235	olive silty sand, fine to coarse, slight clay
235	240	olive silty sand, fine to coarse, slight clay
240	245	olive clayey silty sand, fine to coarse
245	250	olive clayey silty sand, fine to coarse
250	255	olive clayey silty sand to shale at 252 feet
-		bottom of hole at 255 feet