GSI Job No. 057353 **LDB-4**

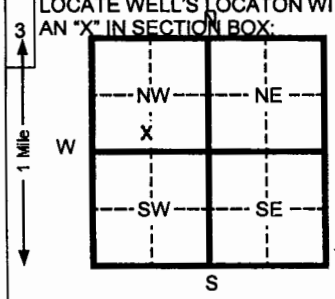
WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. _____

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: **Saline**	**SE ¼ SW ¼ NW ¼**	**12**	T **14** S	R **03** W

Distance and direction from nearest town or city street address of well if located within city?
501 N. Santa Fe Street, Salina

2 WATER WELL OWNER: **KDHE**
RR#, St. Address, Box # : **1000 SW Jackson Ste. 410**
City, State, ZIP Code : **Topeka, KS 66612**
Board of Agriculture, Division of Water Resources
Application Number:

3 LOCATE WELL'S LOCATON WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL **Prod-40** ft. ELEVATION: _____
AS-50
SVE-30
Depth(s) Groundwater Encountered 1 **36** ft. 2 _____ ft. 3 _____ ft.
WELL'S STATIC WATER LEVEL _____ ft. below land surface measured on mo/day/yr _____
Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
Bore Hole Diameter **5 ft** in. to **40 (SVE & Prod)** ft. and **8.5 in** in. to **40-50 (AS)** ft.
WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) **Soil Vapor Extraction (SVE) Air Sparge (AS) Product Recovery (Prod)**
2 Irrigation 4 Industrial 7 Lawn and garden (domestic) 10 Monitoring well
Was a chemical/bacteriological sample submitted to Department? Yes _____ No **X** If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes _____ No **X**

OFFICE USE ONLY

5 TYPE OF BLANK CASING USED: 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued _____ Clamped _____
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
2 PVC 4 ABS 7 Fiberglass _____ Threaded **Flush**
Blank casing diameter **2 (AS)** in. to **48 (AS)** ft., Dia **4 (SVE)** in. to **10 (SVE)** ft., Dia **4 (Prod)** in. to **20 (Prod)** ft.
Casing height above land surface **Flushmount** in., weight **0.703 (AS) 2.0(SVE & Prod)** lbs./ft. Wall thickness or gauge No. **Sch. 40**
TYPE OF SCREEN OR PERFORATION MATERIAL: **7 PVC** 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** 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____
SCREEN-PERFORATED INTERVALS: From **48 (AS)** ft. to **50 (AS)** ft. From **10 (SVE)** ft. to **30 (SVE)** ft.
From **20 (Prod)** ft. to **40 (Prod)** ft. From _____ ft. to _____ ft.
GRAVEL PACK INTERVALS: From **7** ft. to **40** **(SVE & Prod)**
From **38** ft. to **50** **(AS)**

T

R

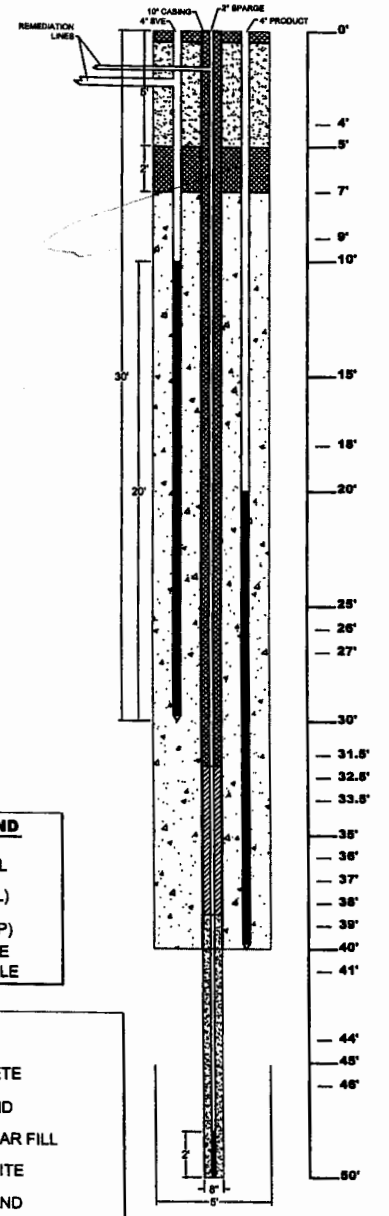
6 GROUT MATERIAL: **1 Neat cement** 2 Cement grout **3 Bentonite** 4 Other _____
Grout Intervals From **0 (1)** ft. to **0.5 (1)** ft. From **5 (1)** ft. to **7 (1)** ft. From **AS-0 (1) AS-32 (3)** ft. to **AS-32 (1) AS-38 (3)** ft.
What is the nearest source of possible contamination:
1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/ Gas well
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
13 Insecticide storage _____
Direction from well? How many feet?

FROM	TO	CODE	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	4	CL	**Back Fill/Clay, soft to firm, low to mod. plast**			
4	27	CL	**Clay, silty, low to mod plasticity, sandstone/ limestone 8"-36" dia. & 2'-6' dia. @ 16'-27'**			
27	36	CL	**Clay, silty, firm to stiff, mod to high plasticity**			**Note:**
36	37	CL	**Clay, silty, trace med.-coarse sand**			**A copy of the well log is attached.**
37	41	SP	**Sand, fine-coarse grain, poorly sorted**			
41	44	CL	**Clay, silty, soft to firm, low to mod plasticity**			
44	45	SP	**Sand, very fine to med grain, mod. sorted**			
45	46	CL	**Clay, silty, soft to firm low to mod plasticity**			
46	50	SP	**Sand, very fine to med. grain, mod. sorted**			

SEC

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/yr) **11-1-05** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **531** This Water Well Record was completed on (mo/day/yr) **12-1-05**
under the business name of **Geotechnical Services, Inc.** by (signature)

INSTRUCTIONS:. Please fill in blanks and circle the correct answers. Send three copies to Kansas Department of Health and Environment, Bureau of Water, 1000 S W Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.



PID	LITHOLOGY
0 (A)	**BACKFILL/ CLAY(CL)** - dark brown, soft to firm, low to moderate plasticity, damp
	CLAY(CL) - light brown, silty, low to moderate plasticity, soft to firm, damp, sandstone/limestone 8"- 36" diameter
4.6 (A)	
0 (A)	**CLAY(CL)** - light brown, very silty, low to moderate plasticity, soft to firm, moist, sandstone/limestone 2"- 6" diameter
11.8 (A)	
84 (S)	
3.3 (A)	
20 (A)	**CLAY(CL)** - light green, silty firm to stiff, moderate to high plasticity, moist
136 (S)	
60 (A)	
33 (A)	
33 (A)	**CLAY(CL)** - dark gray, silty, trace medium to coarse grained sand, saturated ▽ WATER
50 (A)	**SAND(SP)** - dark gray, fine to coarse grained, poorly sorted, saturated
150 (A)	
30 (A)	
	CLAY(CL) - gray, silty, soft to firm, low to moderate plasticity, saturated
	SAND(SP) - gray- brown, very fine to medium grained, moderately sorted, saturated
	CLAY(CL) - gray, silty, soft to firm, low to moderate plasticity, saturated
	SAND(SP) - gray to light brown, very fine to medium grained, moderately sorted, saturated

TOTAL DEPTH 50 FEET

LITHOLOGY LEGEND

- = BACKFILL
- = CLAY (CL)
- = SAND (SP)
- (A) = AIR SAMPLE
- (S) = SOIL SAMPLE

WELL LEGEND

- = CONCRETE
- = FILL SAND
- = GRANULAR FILL
- = BENTONITE
- = 12-20 SAND

SVE DETAILS

ELEVATION
CASING: ____
PAD: ____

PROTECTIVE COVER
TYPE: MANHOLE
SIZE: 18"
PAD SIZE: NA

WELL SEAL
TYPE: CONCRETE
AMOUNT: NA
WATER: NA

WELL PACK
TYPE: ROAD GRAVEL
AMOUNT: NA
WATER: NA

RISER
TYPE: PVC
SCHEDULE: 40
INSIDE DIA.: 4"
LENGTH: 10'

SCREEN
TYPE: PVC
SCHEDULE: 40
SLOT: 0.010
INSIDE DIA.: 4"
LENGTH: 20'

END CAP
TYPE: SLIP
LENGTH: NA

WATER LEVEL OBSERVATIONS
WHILE DRILLING: 34'
END OF DRILLING: NA

DATE DRILLED: 10/26/05
DRILLER: MO-KAN
GEOLOGIST: D. ROY
DRILL METHOD: LARGE DIA. BORING

AS DETAILS

ELEVATION
CASING: ____
PAD: ____

PROTECTIVE COVER
TYPE: MANHOLE
SIZE: 18"
PAD SIZE: NA

WELL SEAL
TYPE: CONCRETE/ BENTONITE
AMOUNT: NA
WATER: NA

WELL PACK
TYPE: 12-20
AMOUNT: 155 lbs.
WATER: NA

RISER
TYPE: PVC
SCHEDULE: 40
INSIDE DIA.: 2"
LENGTH: 48"

SCREEN
TYPE: PVC
SCHEDULE: 40
SLOT: 0.010
INSIDE DIA.: 2"
LENGTH: 5'

END CAP
TYPE: SLIP
LENGTH: NA

WATER LEVEL OBSERVATIONS
WHILE DRILLING: 36'
END OF DRILLING: NA

DATE DRILLED: 11/1/05
DRILLER: GSI
GEOLOGIST: D. ROY
DRILL METHOD: 4.25" Hollow Stem Augers

PRODUCT DETAILS

ELEVATION
CASING: ____
PAD: ____

PROTECTIVE COVER
TYPE: MANHOLE
SIZE: 18"
PAD SIZE: NA

WELL SEAL
TYPE: CONCRETE
AMOUNT: NA
WATER: NA

WELL PACK
TYPE: ROAD GRAVEL
AMOUNT: NA
WATER: NA

RISER
TYPE: PVC
SCHEDULE: 40
INSIDE DIA.: 4"
LENGTH: 20'

SCREEN
TYPE: PVC
SCHEDULE: 40
SLOT: 0.010
INSIDE DIA.: 4"
LENGTH: 20'

END CAP
TYPE: SLIP
LENGTH: NA

WATER LEVEL OBSERVATIONS
WHILE DRILLING: 36'
END OF DRILLING: NA

DATE DRILLED: 10/26/05
DRILLER: MO-KAN
GEOLOGIST: D. ROY
DRILL METHOD: LARGE DIA. BORING

SCALE: 1" = 5.5'
DRAWN BY: C. Epp
PROJ. MANGR: G. ARMSTRONG
DWG #: 057353
DATE: 11/4/05

501 N. SANTA FE
SALINA, KANSAS

SVE/ AS WELL AND BORING LITHOLOGY

GSI GEOTECHNICAL SERVICES, INC.
4803 EAST 47TH STREET SOUTH • WICHITA, KANSAS 67210-1681
Phone: 316-554-0725 • Fax: 316-554-0744

WELL/ BOREHOLE
LDB-4