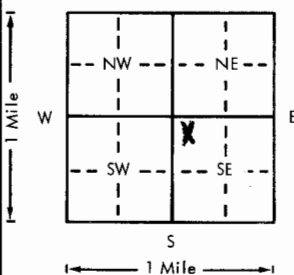


USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

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 Grant	Fraction NW 1/4 SE 1/4	Section number 14	Township number T 29 S R 35	Range number 35																																								
2. Distance and direction from nearest town or city: 5 mi N of Ryus, Kansas. Street address of well location if in city:			3. Owner of well: Kirby Clawson R.R. or street: City, state, zip code: Satanta, Kansas 67870																																										
4. Locate with "X" in section below: N W E S 1 Mile 1 Mile			Sketch map: 																																										
5. Type and color of material			6. Bore hole dia. <u>26</u> in. Completion date <u>6/28/77</u> Well depth <u>654</u> ft.																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; height: 20px;">See Attachment</td> <td style="width:10%; text-align: center;">From</td> <td style="width:10%; text-align: center;">To</td> <td style="width:30%;"></td> </tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr> </table>			See Attachment	From	To																																						7. <input type="checkbox"/> Cable tool <input 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 checked="" type="checkbox"/> Reverse rotary		
			See Attachment	From	To																																								
			8. Use: <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input checked="" 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 <u>Steel</u> Height: <u>(Above)</u> or below Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Surface <u>12</u> in. RMP <input type="checkbox"/> PVC <input type="checkbox"/> Weight <u>31</u> lbs./ft. Dia. <u>16</u> in. to <u>654</u> ft. depth Wall Thickness: inches or Dia. <u> </u> in. to <u> </u> ft. depth gage No. <u>.219</u>																																										
			10. Screen: Manufacturer's name <u>Johnson</u> Type <u>Continuous</u> Dia. <u>16</u> Slot/gauze <u>.080</u> Length <u>40</u> Set between <u>280</u> ft. and <u>320</u> ft. <u> </u> ft. and <u> </u> ft. Gravel pack? <u>Yes</u> Size range of material <u>#1 coarse</u>																																										
			11. Static water level: <u> </u> mo./day/yr. <u>315</u> ft. below land surface Date <u>6/30/77</u>																																										
			12. Pumping level below land surfaces: <u>334</u> ft. after <u> </u> hrs. pumping <u>1,600</u> g.p.m. <u> </u> ft. after <u> </u> hrs. pumping <u> </u> g.p.m. Estimated maximum yield <u>1,800</u> g.p.m.																																										
			13. Water sample submitted: <u> </u> mo./day/yr. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date <u> </u>																																										
			14. Well head completion: <input type="checkbox"/> Pitless adapter <u>12</u> Inches above grade																																										
			15. Well grouted? <u>Yes</u> With: <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From <u>0</u> ft. to <u>10</u> ft.																																										
			16. Nearest source of possible contamination: <u>None</u> ft. <u> </u> Direction <u> </u> Type <u>Observed</u> Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																										
			17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name <u> </u> Model number <u> </u> HP <u> </u> Volts <u> </u> Length of drop pipe <u> </u> ft. capacity <u> </u> 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																																										
18. Elevation:			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. Henkle Drilling & Sply 145 Business name License No. Address Box 639, Garden City, KS. Signed <u>Orville Richmond</u> Date <u>7/1</u> Authorized representative																																										
19. Remarks: <u>x Flat</u> Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input type="checkbox"/> Valley																																													

T 29 S R 35 E
 Sec 14 NW 1/4 SE 1/4

Forward the white, blue and pink copies to the Department of Health and Environment

Form WWC-5

DRILLERS TEST LOG

CUSTOMERS NAME Kirby Clawson DATE 8-21-76
 STREET ADDRESS _____ TEST # 5
 CITY & STATE Satanta, Kansas DRILLER Geist
 COUNTY Haskell QUARTER SE SECTION 14 TOWNSHIP 29 RANGE 35
 LOCATION Approximately 150' SE of Test # 3

WELL LOCATION

#	DRILLED		FOOTAGE	STATIC WATER LEVEL
	FROM	PAY		PROPOSED WELL DEPTH
	0		2	Top soil, Mixed 4 sacks of Gel.
	2		16	Fine sand. Loose., few clay st. Used water.
	16		48	Brown sandy clay, sand st., few limestone st. Used a little water. Loose in places.
	48		52	Brown clay, firm and sticky
	52		68	Brown sandy clay, limestone st. and few sand st.
	68		78	Sand fine to med. clay st. Loose.
	78		88	Brown sandy clay and sand st. Drilled rough.
	88		105	Sand fine to med. coarse, loose. Used water. Hard ledge 105'
	105		129	Brown sandy clay, few sand st., few, small gravel, few ledges.
	129		206	Sand fine to med. coarse, loose. and ragged. Few, small gravel. Used water. Few clay st.
	206		211	Brown clay firm, and sticky.
	211		266	Blue clay, firm and sticky
	266		275	Brown clay, ticky.
	275		300	Sand fine to medium, few clay st.
70	300	42	342	Sand fine to medium coarse, small gravel, drills ragged. Used water.
35	342	10	352	Sand fine to medium, loose. Used water. Few clay st.
35	352	9	361	Sand fine to medium coarse, few, small gravel, drills ragged. Used water. Hard from 357 to 360'
65	361	7	368	Sand fine to medium, a lot of clay st. Drilled loose in places.
55	368	16	384	Sand fine to medium, few coarse, few, small gravel. Loose. Few ledges.
70	384	20	404	Sand fine to medium coarse, small gravel, few large, used water, drilled hard in places.
	404		455	Brown clay, few sand st. few ledges. Brown sandy clay, drilled loose. Used some water, few, small gravel.
60	455	28	483	Sand fine to med., few clay st. Loose Used some water.
	483		500	Limestone, hard. Used pulldown all the way. Mixed 3 sacks of Gel. Changed bits, (42"), few sand and brown gravel

HENKLE DRILLING & SUPPLY CO., INC.

GARDEN CITY, KANSAS
 Phone 276-3278

SUBLETTE, KANSAS
 Phone 675-4311

TEST HOLES DOMESTIC WELLS STOCK WELLS IRRIGATION & INDUSTRIAL WELLS

DRILLERS TEST LOG

CUSTOMERS NAME Kirby Clawson DATE 8-27-76
 STREET ADDRESS _____ TEST # 5 Continued
 CITY & STATE Satanta, Kansas DRILLER Geist - R. log
 COUNTY Grant QUARTER SE SECTION 14 TOWNSHIP 29 RANGE 35
 LOCATION 150 Ft. SE of Test # 4

WELL LOCATION

#	DRILLED FROM	PAY	FOOTAGE TO	STATIC WATER LEVEL
				PROPOSED WELL DEPTH
60	500	17	517	5 Brown rock, sand st. and linerock st. Drilled rough. Used pulldown. Used water.
	517		530	Brown clay and sandstone. St. Drills loose and ragged. Used a little water.
	530		550	Clay and shale. Very sticky, few ledges.
	550		560	Shale and Dakota, Loose.
Good	560	25	585	Dakota, used a lot of water. 2 sacks of bran.
Good	585	25	610	6 Soapstone and Dakota, 3 sacks of Gai. Used water. Loose.
Good	610	10	620	Dakota and soapstone st. Cheyenne. Loose. Used water.
Good	620	25	645	Tan soapstone and Dakota. Loose in places. Used pulldown some. Used water. Two sack sof Gai.
	645		652	Limestone and tan soapstone
	652		660	Soapstone and red bed.
		214		
				12 sacks of Gai 2 sacks of Bran 1 sack of lime
				Set up South Pit on the West
				TOTAL DEPTH 645'

HENKLE DRILLING & SUPPLY CO., INC.

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