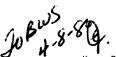
USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

WATER WELL RECORD KSA 820-1201-1215



Kansas Department of Health and Environment-Division of Environment (Water well Contractors) Topeka, Kansas 66620

	County	Fraction		Section (number	Township number	Range number	
1. Location of well:	Kearny	SW 1/4 SW 1/4 SW	1/4	23	3	T 24 s	R 36	
2. Distance and direct & East edge Street address of well	ction from nearest town or city: Jc: of Lakin, go 1/4 i location if in city:	t. of Hwy. 50 mile south	R.R. or			ity of Lakin akin, KS 67860		
4. Locate with "X" i		iketch map:	1 4, 7 5	10, 210 0	Sac. <u>-</u>	6. Bore hole dia. <u>28</u> in Well depth <u>560</u> ft.		
Near SW corner of SW of Sec. 23, T24S, R36W, Kearny County, Kansas. S					To	7 Cable tool Rotary Driven Dug Hollow rod Jetted Bored X Reverse rotary 8. Use: Domestic Public supply Industry Irrigation Air conditioning Stock Lawn Oil field water Other 9. Casing: Material Steel Height: Above or below Threaded Welded X Surface 24 in. RMP PVC Weight 46 lbs./ft Dia. 12 in. ta380 ft. depth Wall Thickness: inches or Dia. 12 in. ta380 ft. depth Wall Thickness: inches or Dia. 12 in. ta380 ft. depth gage No 375		
						10. Screen: Manufacturer's n	Doerr, Johnson	
SEE ATT	ACHED TEST HOLE RE	PORT 2-78				TypeLouver/Wire— Slat/gauze1/32 Set between 380 SEE ATTACHED ft. a Gravel pack? Yes. Size rai	Lengthftftft.	
						11. Static water level:35ft. below land sur	mo./day/yr.	
						12. Pumping level below land 2.74 ft. after 2 h 2.54 ft. after 24 h Estimated maximum yield	ars. pumping 805 g.p.m. 652 g.p.m. 800 g.p.m. ma./day/yr.	
						Pitless adapter 15. Well grouted? Yes With: Neat cement Depth: FromO ft. to		
		THE STATE OF THE S				16. Nearest source of possible ft Direction Well disinfected upon comple	contaminatio Unknown	
						17. Pump: Manufacturer's name Layn Model number 10RKEH	_ HP _75 Volts 460	
						Length of drop pipe 350 Type: Submersible	ft. capacity600_g.p.m.	
	(Use a second sh	eet if needed)				Jet Centrifugal	Reciprocating Other 6	
Topography: Hill Slope Upland Valley	19. Remarks:					20. Water well contractor's control of this well was drilled under my is true to the best of my knaw Layne-Western Business name Address Garden Cin Signed Authorized reput	ertification: v jurisdiction and this report ledge and belief. Co. Inc. 102 License No. ty, KS 67846	

TEST HOLI REPORT



Layne-Western Company, Inc.

rest Drilling . Water Wells . PUMPS P. O. Box 686, W. Hwy. 50 Garden City, Kansas 67846

Contract	Name	City of Lakin TEST HOL	E						
Job No.	<u> </u>	K-857 Date5-5-78 No2-78							
City	1	State Konsos Driller Keeny	,						
	of Test	Hole Approx. 100' N. of Elevation of Test Hole Hole							
	61	Static Water Level							
¼ 36W		4 Sec. 23 of T 24S Measured Hours After	er Completio						
R	· · · · · · · · · · · · · · · · · · ·	Kearny Co., Kansas							
From	То	Description of Strata							
0	4	Top soil							
4	27	Fine to coarse sand and medium gravel							
27	47	Ton clay							
47	82	Blue clay							
82	96	Fine to coarse sand and medium gravel							
96 156	156 178	Blue clay with sandy blue clay streaks Fine to coarse sand and medium gravel with clay streaks, tight with loose streaks							
178	204	Fine to course sand and medium gravel, clay streaks, loose							
204	216	Tan sandy clay with sand streaks and caliche streaks, loose							
216	290	Fine to coarse sand with clay streaks and caliche streaks, loose							
290	298	Ton sondy clay with caliche streaks, tight Fine to coarse sand with sandstone streaks, caliche streaks and							
298	344	Fine to codrse sand with sandstone streaks, caliche streaks and clay streaks dirty							
344	415	Shale with sandstone streaks, hard	1/2						
415	440	Sandstone, loose	2						
440	446	Shale							
446	470	Sandstone with shale streaks, tight							
470	524	Shale, hard							
524	535	Sandstone with shale streaks, tight	·						
535	541	Shale							
541	556	Sandstone, loose	1.5						
Remarks: 556	585	Shale							

City of Lakin Lakin, Kansas 67860

Subject:

City Municipal Well No. 8

Gentlemen:

This letter is written to provide you a report concerning the above subject well which we recently completed for you.

The well was drilled a total depth of 550', and it was screened and cased as shown below:

0 - 380' Casing 380 - 4001 Doerr screen 400 - 4401 Johnson screen 440 - 4461 Casina 446 - 4561 Johnson 466 - 4781 Doerr / 478 - 4901 Casing 490 - 498! Doerr 498 - 5081 Casing 508 - 5121 Doerr 512 - 5201 Casing 520 - 5361 Doerr 536 -⁄556' Johnson ا 560 کسر 560 Casing

The Doerr screen is made of Armco iron metal and the Johnson is wire-wrapped stainless steel. The well was gravel-packed from the bottom up to a point 357' below ground level where a 3' clay and sand seal was placed. From 354' to the surface, the annulus between the 12" casing and the 28" drilled hole was filled with concrete.

City of Lakin July 18, 1978

The well was bailed and pumped for developmental purposes and on June 5, 1978, the preliminary test was conducted. The static water level was 35', and the results of the two hour preliminary test were as follows:

805 gpm @ 274' Pumping Water Level (239' drawdown)

The final 24 hour pumping test was started on June 6, 1978, at a pumping rate of 652 gpm. After pumping 25½ hours at this rate, the well revealed a 254' Pumping Water Level (219' drawdown). Based upon this test, we have selected a pump which will yield from 600 gpm to 700 gpm depending upon the length of time that the unit is operated.

A sample of water was taken at the completion of the test pumping, and submitted to Wilson Laboratories for their chemical analysis. A copy of this analysis is attached and it shows an acceptable quality water for your use.

Very truly yours,

Robert L. Vincent, District Manager LAYNE-WESTERN COMPANY, INC.

RLV/jh Attachment