LOCATION OF WATER WELL:	Fraction			Se	ction Number	Townsh	ip Number		R	ange N	umber
County: NEMAHA	NE	1/4 NE	1/4 NI	E 1/4	1	Т	3 9			13	E/MX
Distance and direction from nearest	town or city stre	et address	of well if locate	ed within city?			100				
OUTSIDE CITY				W1.05 W 1-15	2 200						
WATER WELL OWNER: CI	TTY OF SABE	ETHA									
RR#, St. Address, Box # :						Board	of Agricult	ure, Di	vision	of Wate	er Resource
City, State, ZIP Code : SI	EBATHA, KAN	ISAS		V			ation Numb		10.223		4
LOCATE WELL'S LOCATION W			TED WELL.	275	ft. ELEVA						
AN "X" IN SECTION BOX:			Encountered								
- III X			R LEVEL								
1   1   1			lata: Well wat								
NW NE			pm: Well wat					•			-
	Charles and the Control of the Contr	And the second s	المارية								333333
w I I	WELL WATE	St.		5 Public wat							
-   i   i	1 Dome			6 Oil field wa							helow)
SW SE	2 Irrigat			7 Lawn and						Carried Charles	
											nla was sut
		icai/pacterio	ological sample	Submitted to L	and a comment of the second of			-	_		pie was sur
5	mitted	5 144				ter Well Disin					
TYPE OF BLANK CASING USE			ought iron		rete tile						oed
1 Steel 3 RMP			pestos-Cement			•					
2 PVC 4 ABS			erglass								
Blank casing diameter			*								
Casing height above land surface.			eight			ft. Wall thickn	ess or gau	ge No.			
TYPE OF SCREEN OR PERFORA	TION MATERIAL			7 P\	_		Asbestos-				
1 Steel 3 Stain	less steel		erglass		MP (SR)						
2 Brass 4 Galv	anized steel	6 Cor	ncrete tile	9 AE	BS .	12	None use				
SCREEN OR PERFORATION OPE	NINGS ARE:		5 Gau	zed wrapped		8 Saw cut			11 No	ne (ope	n hole)
1 Continuous slot	3 Mill slot		6 Wire	wrapped		9 Drilled ho	oles				
1 Continuous stot	3 141111 0101		0 110								
	4 Key punched		7 Torc	ch cut		10 Other (sp					
	4 Key punched			ch cut	ft., Fro	10 Other (sp					
2 Louvered shutter	4 Key punched LS: From		7 Torc	th cut		10 Other (sp		ft. to.			
2 Louvered shutter	4 Key punched LS: From		7 Torc	th cut	ft., Fro	10 Other (sp m	· · · · · · · · · · · · · · · · · · ·	ft. to.			
2 Louvered shutter CAN SCREEN-PERFORATED INTERVAL	4 Key punched LS: From		7 Torc	h cut	ft., Fro	10 Other (sp m		ft. to. ft. to. ft. to.		 	
2 Louvered shutter SCREEN-PERFORATED INTERVA GRAVEL PACK INTERVA	4 Key punched LS: From From		7 Torcft. toft. toft. toft. to .	th cut	ft., Fro	10 Other (sp m		ft. to. ft. to. ft. to. ft. to			
2 Louvered shutter SCREEN-PERFORATED INTERVA GRAVEL PACK INTERVA 6 GROUT MATERIAL: 1 No	4 Key punched LS: From From LS: From From eat cement	2 Cem	7 Torc	X3 Bent	ft., From tt., From tt., From onite 4	10 Other (spmmmmmmmmm		ft. to. ft. to. ft. to. ft. to.			
2 Louvered shutter SCREEN-PERFORATED INTERVA GRAVEL PACK INTERVA 6 GROUT MATERIAL: 1 No	4 Key punched LS: From From LS: From From eat cementft. to2	2 Cem	7 Torc	X3 Bent	ft., From ft., From ft., From ft., From onite 4	10 Other (spmmmmmmmmm	m	ft. to. ft. to. ft. to. ft. to.	ft. to		
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi	4 Key punched LS: From From LS: From From eat cementft. to2	2 Cem	7 Torc	X3 Bent	ft., From ft., From ft., From ft., From onite 4	10 Other (spmmmm	m	ft. to. ft. to. ft. to. ft. to. ft. to	ft. to		
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi  1 Septic tank 4 L	4 Key punched LS: From From LS: From From eat cementft. to2 ible contamination	2 Cem	7 Torc	X3 Bent	ft., Froi ft., Froi onite 4 to	10 Other (spmmmm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba	ft. to	o	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C	4 Key punched LS: From From LS: From From eat cementft. to 2 ible contamination ateral lines less pool	2 Cem	7 Torc	X3 Bent	ft., Froi ft., Froi onite 4 to	10 Other (spmmmmm Other ft., Fro tock pens storage	m	ft. to. ft. to. ft. to. ft. to. 14 Aba	ft. to	ed wate	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi  1 Septic tank 4 L  2 Sewer lines 5 C  3 Watertight sewer lines 6 S	4 Key punched LS: From From LS: From From eat cementft. to 2 ible contamination ateral lines less pool	2 Cem	7 Torcft. toft. toft	X3 Bent	ft., Froi ft., Froi onite 4 to	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba	ft. to	ed wate	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi  1 Septic tank 4 L  2 Sewer lines 5 C  3 Watertight sewer lines 6 S	4 Key punched LS: From From LS: From From eat cementft. to 2 ible contamination ateral lines less pool	2 Cem 20 ft.	7 Torcft. toft. toft	X3 Bent	ft., Froift., Froi ft., Froi onite 4 to 10 Lives 11 Fuel 12 Fertii 13 Insec	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementft. to2 sible contamination ateral lines less pool eepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 No Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO SEE AT	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO SEE AT	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO SEE AT	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO SEE AT	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO SEE AT	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO SEE AT	4 Key punched LS: From From LS: From From eat cementt. to 2 sible contamination ateral lines leess pool leepage pit	2 Cem 20 ft. n:	7 Torcft. toft. toft	X3 Bent	ft., From the ft	n Other (spm	m	ft. to. ft. to. ft. to. ft. to. 14 Aba 15 Oil	ft. to andone well/G er (sp	ed wate as well ecify be	
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO  SEE AT	4 Key punched LS: From From LS: From From eat cementft. to 2 ible contamination ateral lines eepage pit  LITHOLO TACHED LOG	2 Cem	7 Torcft. toft. toft	X3 Bent ft.	tt., From tt., F	10 Other (spmmmmmmm	LITHO	ft. to. ft. to	ft. to andone well/G er (sp	ed water as well becify be	ftft ftft ftft
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO  SEE AT	4 Key punched LS: From From LS: From From eat cementft. to 2 ible contamination ateral lines less pool leepage pit  LITHOLO TACHED LOG	2 Cem	7 Torce ft. to ft. ft. ft. ft. ft. ft. ft. ft. f	X3 Bent ft.	ft., From tt., F	10 Other (spm	LITHC	ft. to. ft. to	ft. to andone well/G er (sp	ed wate as well ecify be	ftft ftft r well
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From 0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO  SEE AT  7 CONTRACTOR'S OR LANDOW  completed on (mo/day/year) 9	4 Key punched LS: From From LS: From From eat cementft. to 2 ible contamination ateral lines less pool leepage pit  LITHOLO TACHED LOG	2 Cem 20 ft. in: GIC LOG	7 Torc	X3 Bent ft.	tt., From tt., F	10 Other (spm	(3) plugger	ft. to. ft. to	ft. to andone well/G er (sp	ed wate as well ecify be	ftft.  ftft.  ftft.  r well  alow)
2 Louvered shutter  SCREEN-PERFORATED INTERVAL  GRAVEL PACK INTERVAL  6 GROUT MATERIAL: 1 Ne  Grout Intervals: From 0  What is the nearest source of possi 1 Septic tank 4 L 2 Sewer lines 5 C 3 Watertight sewer lines 6 S  Direction from well?  FROM TO  SEE AT  7 CONTRACTOR'S OR LANDOW  completed on (mo/day/year) 9  Water Well Contractor's License No	4 Key punched LS: From From LS: From From eat cementft. to 2 ible contamination ateral lines less pool leepage pit  LITHOLO TACHED LOG	2 Cem 20 ft. n: GIC LOG	7 Torce ft. to ft. ft. to ft. to ft. ft. to ft. ft. to ft. ft. to ft. ft. ft. ft. ft. ft. ft. ft. ft.	X3 Bent ft.	tt., From tt., F	10 Other (spm	(3) plugger	ft. to. ft. to	ft. to andone well/G er (sp	ed wate as well ecify be	ftft ftft r well



## test hole report Layne-Western Company, Inc.

Contract Name City of Sabetha			etha		TEST HOLE		
Job No	A-150			Date9-09-85	Area D-2 Station 6		
City	Sabetha			StateKansas	Driller J. Von Holt		
Fest Hole Loca	tion						
		Distance	and Direct	TEST LOC	revious Test Hole		
	1	1		TEST LOG	Static Water LevelMeasured		
EDOM	70	MARSH FUNNEL	MUD PIT		Hours After Completion		
FROM	то	VISCOSITY SECONDS	LOSS INCHES		FORMATION		
0.0	2.0			Topsoil			
2.0	7.0			Brown silty clay	, moist, stiff		
7.0	24.0			Yellow-brown sil	ty sandy clay, moist, stiff		
24.0	35.0			Gray silty clay, moist, very stiff, trace bould			
35.0	36.0			White & black Quartz like rock, very hard			
36.0	38.0			Yellow-brown ver	y sandy clay		
38.0	39.0			Gray very sandy	clay		
39.0	44.0			Gray fine to ver	y fine sand, trace med. & cl:		
44.0	46.0			Gray very sandy	clay, soft		
46.0	53.0			Gray fine to very fine sand, very dense			
53.0	55.0			Gray very sandy clay, soft			
55.0	67.0			Gray fine to very fine sand, very dense			
67.0	73.0			Same, trace clay			
73.0	75.0			Same, with bould	ers		
75.0	81.0			Gray fine to ver	y fine sand, very dense		
NOTES: Siz	e of Pit		×		X		
					DEEP		



## test hole report Layne-Western Company, Inc.

					**************************************
Contract Name	Cit	y of Sa	abetha		TEST HOLE
Job No	A-150			Date9-10-85	Area D-2 Station 6
City	Sabetha		-	State Kansas	Driller J. Von Holt
Test Hole Loca	tion				
		Distance	and Direct	ion from Permanent Landmark or Pr	evious Test Hole
		MARSH		7207 200	Static Water LevelMeasured
FROM	то	FUNNEL	MUD PIT		Hours After Completion
		VISCOSITY	INCHES		FORMATION
81.0	101.0			Gray sandy clay,	stiff
101.0	103.0			Gray medium to f	ine sand, trace lcay
103.0	145.0			Gray sandy clay.	trace gravel & boulders
145.0	146.0			Gray limestone b	
146.0	180.0			Gray sandy clay	
180.0	253.0			Grav sandy clav.	trace boulders & gravel
253.0	257.0	50	6	Gray coarse sand trace clay & fin	to gravel with boulders,
257.0	259.0			Gray very sandy	clay, with gravel & boulder
259.0	259.5			Gray limestone	
259.5	262.0			Gray shale	
262.0	263.5			Dark gray limest	one
263.5	275.0			Gray shale	
275.0	Total	Depth			
NOTES: Size	e of Pit	1	×		X
275.0	Total		X.		X