LC ATION OF County: Mor	: \A/ATED \A/ELL.									
County Mor	WATER WELL:	Fraction			Sec	tion Number	Townsh	ip Number	Rang	e Number
	ton	NW	1/4 NE	1/4 SI		2	T	34 S	R 40) E(W)
Distance and dire	ection from nearest to	wn or city stre	et address of v	vell if locate	d within city?					-
Within	the City of	Rolla								
WATER WELL	LOWNER: City	of Rolla					Morte	on County	Vested	Right No.
	_							of Agriculture,		J
City, State, ZIP C	•	. Ks. 6	7854					ation Number:		
	L'S LOCATION WITH			D WELL	421'	# ELEVA				
AN "X" IN SEC	CTION BOX:	Depth(s) Gro	oundwater Enco	ountered 1		ft. 2	<u>.</u>	ft. 3		
† -		•						d on mo/day/yr		
NW	NE	1	_ *					hours pu		
	1							hours pu		
<u>•</u> ,,,		Bore Hole D	iameter17	žin. to	421		and	in	. to	
* w	IX	WELL WATE	ER TO BE USE	D AS:	6 Public wate	r supply	8 Air condition	ning 11	Injection w	ell
		1 Dome	estic 3 Fo	edlot	6 Oil field wa	ter supply	9 Dewatering	12	Other (Spe	cify below)
SW	SE	2 Irrigat	ion 4 In	dustrial	7 Lawn and g	arden only	0 Observatio	n well		
1 1 1		1			-			X; If yes		
<u> </u>	_ 		ical/bacteriolog	cai sampie	Submitted to Di	•		fected? Yes		
7.05.05.01.4) 	mitted	= 147							
	NK CASING USED:		•	ht iron	8 Concre			JOINTS: Glue	. X	lamped
(1) Steel	3 RMP (S	SR)	6 Asbest	os-Cement	9 Other	(specify below	<i>(</i>)			
2 PVC	4 ABS		7 Fibergl							
Blank casing dian	neter 85/.8."	.in. to	421ft.,	Dia	in. to		ft., Dia		in. to	f
Casing height abo	ove land surface	12	in., weigh	t 28	3.55	Ibs./	ft. Wall thickn	ess or gauge N	o	322
	EN OR PERFORATIO				7 PV			Asbestos-ceme		
1 Steel	3)Stainles		 5 Fibergi	200		IP (SR)		Other (specify)		
			•			, ,		, , , , , , ,		
2 Brass	4 Galvani		6 Concre		9 AB	5		None used (op		
_	RFORATION OPENI				ed wrapped		8 Saw cut		11 None	(open hole)
(1) Continuou	us slot 3 M	∕lili slot		6 Wire	wrapped		9 Drilled ho			
2 Louvered	shutter 4 k	Key punched		7 Torch	cut		10 Other (sp	ecify)		
SCREEN-PERFO	RATED INTERVALS:	From	280 - 295	ft. to .	. 365-384 .	ft., Fror	n	ft. t	0	
		_	200 476							
		From	390-416	ft. to .					0	<i></i> .f
GRAVE	L PACK INTERVALS					ft., Fror	n	ft. t		
GRAVE	L PACK INTERVALS	: From		ft. to .		ft., Fror	n	ft. t	0	
		: From From		ft. to . ft. to		ft., Fror ft., Fror ft., Fror	n	ft. t	o o	
GROUT MATE	ERIAL: 1 Neat	From From cement	②Cement	ft. to . ft. to grout	③Bento	ft., Fror ft., Fror ft., Fror	n	ft. t	o	
GROUT MATE	FRIAL: 1 Neat	From From cement .ft. to 2	②Cement	ft. to . ft. to grout	③Bento	ft., From tt., F	n	ft. t	o	
GROUT MATE Grout Intervals: What is the neare	ERIAL: 1 Neat From	From From cement .ft. to 2	② Cement 50 ft., n:	ft. to grout	③Bento	ft., From tt., F	n	m14 A	ooft. to bandoned v	ff
GROUT MATE	ERIAL: 1 Neat From	From From cement .ft. to 2	② Cement 50 ft., n:	ft. to . ft. to grout	③Bento	ft., From tt., F	n	m14 A	o	ff
GROUT MATE Grout Intervals: What is the neare	ERIAL: 1 Neat From235 est source of possible nk 4 Late	From cement ft. to 2. contamination ral lines	②Cement 50ft., n:	ft. to grout	(3) Bento	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest	n	π	ooft. to bandoned v	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line	ERIAL: 1 Neat From235 est source of possible nk 4 Late	From From cement . ft. to 2! e contamination ral lines s pool	②Cement 50 ft., n: 7	ft. to grout From	(3) Bento	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel: 12 Fertili	n	π	oo ft. to bandoned v	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess t sewer lines 6 Seel	From From cement . ft. to 2! e contamination ral lines s pool	②Cement 50 ft., n: 7	ft. to ft. to grout From Pit privy Sewage lag	(3) Bento	ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insection	n	n	oo ft. to bandoned v	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	o	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	(3) Bento	ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insection	n	n	o	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
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GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From	② Cement 50 ft., n: 7 8 9	ft. to ft. to grout From Pit privy Sewage lag	3 Bento 1.0 ft.	ft., Fror ft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel s 12 Fertili 13 Insect	n	n	oft. to bandoned vil well/Gas	f f water well well
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GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight Direction from we FROM TO	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep ell? South See att	From From cement ft. to 2. e contamination ral lines s pool page pit LITHOLOGACHED TO CONTRACT	② Cement 50 ft., n: 7 8 9 GIC LOG	ft. to ft. to grout from Pit privy Sewage lag Feedyard	3 Bento	ft., Frorft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel: 12 Fertili 13 Insect How mar TO	nn Other ft., From sock pens storage zer storage ticide storage hy feet? 7!	14 A 15 C 16 C LITHOLOG	oo ft. to bandoned viil well/Gas other (specification)	water well well fy below)
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight Direction from we FROM TO	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cess nt sewer lines 6 Seep	From From cement ft. to 2. e contamination ral lines s pool page pit LITHOLOGACHED TO CONTRACT	② Cement 50 ft., n: 7 8 9 GIC LOG	ft. to ft. to grout from Pit privy Sewage lag Feedyard	3 Bento	ft., Frorft., Fror ft., Fror nite 4 to30 10 Livest 11 Fuel: 12 Fertili 13 Insect How mar TO	nn Other ft., From sock pens storage zer storage ticide storage hy feet? 7!	14 A 15 C 16 C LITHOLOG	oo ft. to bandoned viil well/Gas other (specification)	water well well fy below)
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GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight Direction from we FROM TO CONTRACTOR Completed on (mo Nater Well Contra	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cest t sewer lines 6 Seep ell? South D See att R'S OR LANDOWNE p/day/year)6/. actor's License No	From From From Cement It to 2! Contamination ral lines s pool page pit LITHOLO ached local ached local section in the	CATION: This v	read of the fit of the	3 Bento 1.0 ft. coon FROM as (1) constru	tt., From tt., F	n	(3) plugged unce best of my kn	o	water well well fy below)
GROUT MATE Grout Intervals: What is the neare 1 Septic tan 2 Sewer line 3 Watertight Direction from we FROM TO CONTRACTOR Completed on (mo Nater Well Contra under the busines	FRIAL: 1 Neat From235 est source of possible nk 4 Late es 5 Cesi nt sewer lines 6 Seep ell? South D See att	From From From Cement It to 2! Contamination ral lines s pool page pit LITHOLO ached local ached local section in the	CATION: This variety of a Supprint	return well water well water well water well water wat	3 Bento 1.0 ft. coon FROM as (1) constru Vell Record wa Inc.	tt., From tt., F	n	(3) plugged unce best of my kn	der my juris owledge an	water well well fy below)

				DRILLERS TEST LOG						
CIISI	OMERS	NAM	r Ci	ty of Rolla DATE 6-25-87						
				TEST # 1 E. LOG yes						
				11a, KS 67854 DRILLER Livingston						
				UARTER SE SECTION 2 TOWNSHIP 34 RANGE 40						
-0001			W	ON ALLEN TO THE PROPERTY OF TH						
LOCA	MOIT	NE o	f wate	r tower						
				Well location						
%	FOOTAGE			Static Water Level						
	From	Pay	TO	DESCRIPTION OF STRATA Proposed Well Depth						
	0		2	Top soil						
	2		7	Sand						
	7		23	Brown sandy clay & fine sand streaks						
	_23		27	Sand, fine to med.						
	27		50	Brown, sandy, clay, caliche & few fine sand streaks.						
	50		70	Sand, fine to med., coarse & few gravel streaks						
	70		101	Brown, sandy, clay, limerock						
	101		105	Sand, fine to medium.						
	105		131	Brown, sandy clay and limerock streaks						
40	131	14	145	Sand, fine to med						
	145		180	Brown, sandy clay & few fine sand streaks						
	180		190	Brown, sandy clay & very fine sand streaks						
	190		231	Brown, sandy clay & few fine sand streaks & limerock streaks						
	231		240	Very fine sand & sandy clay streaks						
35	240	07	247	Sand, fine, small & few clay streaks						
	247		260	Brown, sandy clay & few fine sand streaks						
40	260	14	274	Sand, fine small & sandy clay						
	274		280	Brown, sandy clay						
60	280	15	295	Sand, fine to med. coarse, small gravel; loose						
	295		298	Brown clay						
	298		303	Sand fine small & sandy clay						
	303		360	Brown, clay & few fine sand streaks						
15	360	24	384	Sand, fine & brown sandy clay						
	384	-	390	Limerock & clay						
40	390	26	416	Sandstone & few soapstone streaks; drill's loose in places						
				(sluffing brown clay)						
	416	 	420	Red bed						
	-87		6:00	Run 1 1/2 pipe to 409' & 354 1/2" pipe						
6-2	-87	9:00	10:30	Airlift 1 1/2 - 309' - 289' & 249' - 1/2						
				Set up SE						
		-		Pluged hole Pit on the south						
				2" pipe East of test hole about 2'						

GARDEN CITY, KS Phone 276-3278 TEST HOLES * * * HENKLE DRILLING & SUPPLY CO., INC. IRRIGATION HEADQUARTERS

Dug up cement

SUBLETTE, KS Phone 675-4311

* * *IRRIGATION & INDUSTRIAL WELLS * * * * STOCK WELLS