

# 2017 Water-Level Data Acquisition Statistics

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The 2017 water-level data were published on the Web and not in paper form. Both the current year's measurements and historical water-level data are archived and maintained on the KGS website in the WIZARD database at [www.kgs.ku.edu/Magellan/WaterLevels/index.html](http://www.kgs.ku.edu/Magellan/WaterLevels/index.html). The township-range-section identifier and the depth to water for each well measured in 2017 are provided in tabular form as part of this report and can be found online under the heading "2017 Reports" at [www.kgs.ku.edu/Hydro/Levels/index.html](http://www.kgs.ku.edu/Hydro/Levels/index.html).

## 2017 Water-Level Data Acquisition Statistics

### Summary

The field-measurement phase of the 2017 annual cooperative water-level measurement program was successfully completed by the Kansas Geological Survey (KGS) and the Division of Water Resources (DWR), Kansas Department of Agriculture, prior to March 1, 2017. The annual program is designed to regionally sample the High Plains aquifer in Kansas so trends can be established and evaluated for effective incorporation into water-resource management strategies. Water levels were recorded in 97.5% of the 1,384 network wells in 2017. The KGS measured 559 wells and the three DWR offices (Garden City, Stafford, and Stockton) measured 825 wells. Data acquisition by KGS staff was completed in January.

A spatial analysis of the 2016 annual network well distribution identified nine locations that required additional water-level data to permit continuous and uniform sampling of the High Plains aquifer. Researchers then identified wells in these locations that have sufficient construction and historical information and landowner cooperation to attempt a water-level measurement. Of the 19 wells designated to replace existing wells or fill gaps in the network, 15 were measured and were incorporated into the network for 2018. They will be measured in all future measurement campaigns unless the wells become unreliable or are plugged. Yearly geostatistical studies will define undersampled areas and assist in selecting optimum locations for replacement wells to eliminate holes in the hexagonal network used to assure uniform sampling of the aquifer.

<b>January 2017 Acquisition</b>	<b>KGS</b>	<b>DWR</b>	<b>Total</b>
Number of network wells in 2017	559	825	1,384
Number of counties	16	32	48
2017 provisional (new) wells	9	10	19
# provisional wells measured	6	9	15
# wells successfully measured	545	805	1,350
# wells MIA*	14	22	36
# wells measured for quality assurance (QA)	56	—	56
# wells targeted for removal	6	0	6

\*Wells with zero depth reading, where measurement failed, or that were marked for removal.

### **KGS Field Crew, January 2017**

Joe Anderson, Brett Bennett, Rex Buchanan, Rick Miller, Ed Reboulet, Jeremy Scobee, Brett Wedel, and Brownie Wilson

### Wells Measured in 2017

<b>Type of Well</b>	<b>KGS</b>	<b>DWR</b>	<b>Total</b>
Irrigation	466	606	1,072
Unused (monitor or abandoned)	66	154	220
Stock	11	48	59
Household	6	2	8
<b>Depth to Water</b>			
Less than 100 ft	116	517	633
100 to 200 ft	267	194	461
200 to 300 ft	144	55	199
More than 300 ft	18	39	57
<b>Drill Depth of Well</b>			
Unknown	63	119	182
Less than 100 ft	47	260	307
100 to 200 ft	115	230	345
200 to 300 ft	169	115	284
300 to 400 ft	84	35	119
More than 400 ft	81	66	147
<b>Measurement Characteristics</b>			
Oil on the water	58 (10.2%)	51 (6.2%)	109 (7.8%)
Difficult measurement			
(restrictions, snags, catches)	36 (6.3%)	33 (4.0%)	69 (5.0%)

In-field confidence in a particular measurement was qualitatively determined through inspection of chalk cut while general accuracy was quantitatively appraised using historical and local trends.

### Measurement Confidence

<b>Wells Measured Only</b>	<b>KGS</b>	<b>DWR</b>	<b>Total</b>
Once	484	736	1,220
Twice	56	43	99
Three times	5	26	31
Four times	0	0	0
<b>Total Measurements</b>			
Primary and Quality Assurance (QA)	676	916	1,592
<b>Measurements Judged</b>			
Excellent	438	534	972
Good	77	220	297
Fair	35	56	91

## 2017 Provisional Wells

### KGS (9 new wells—6 measured)

30S 23W 18D 01	Clark
11S 35W 12ABC 01	Logan
32S 30W 25BBB 01	Meade
02S 35W 13BAA 01	Rawlins
04S 32W 09CCC 01	Rawlins
04S 33W 19BCB 01	Rawlins
31S 33W 02DAB 01	Seward
32S 31W 01DBB 01	Seward
10S 41W 33ABB 01	Sherman

### DWR (10 new wells—9 measured)

25S 17W 26B 01	Edwards
26S 34W 03BBD 01	Finney
25S 28W 14CBC 01	Gray
28S 32W 08ADD 01	Haskell
27S 09W 18AAC 01	Kingman
29S 06W 24CDD 01	Kingman
20S 02W 34CBD 01	McPherson
29S 14W 31ACA 01	Pratt
24S 08W 01BBB 01	Reno
19S 32W 16BCD 01	Scott

## Wells Tagged in 2017 for Removal from the Network and Reason

### KGS (6 wells)

09S 39W 02BAB 01	Sherman	Well reworked—No MP access in 2017.
11S 33W 14DCC 01	Logan	Lots of restrictions with a big one at 125 ft.
23S 42W 19CBB 01	Hamilton	
31S 32W 31BBB 01	Seward	Oily!
32S 36W 21AAC 01	Stevens	Well abandoned. Pump gone, hole covered w/cap.
32S 42W 32CAA 01	Morton	Concrete disk over well.

### DWR (0 wells)

No wells were tagged for removal by DWR in 2017.

## Appendices

The two appendices to this report are summary tables.

Appendix A Contains a summary of information for all wells measured by the KGS. This appendix includes county, well legal description (ID), and 2017 depth of water below ground surface (BGS). Quality Assurance measurements (QA) and Provisional wells (PROV) are also identified.

Appendix B Contains a summary of information for all wells measured by the DWR. This appendix includes county, well legal description (ID), and 2017 depth of water below ground surface (BGS). Provisional wells (PROV) are also identified.

Both the current year's measurements and historical water-level data are archived and maintained at the KGS in a centralized database (WIZARD) that can be accessed at the KGS website at [www.kgs.ku.edu/Magellan/WaterLevels/index.html](http://www.kgs.ku.edu/Magellan/WaterLevels/index.html). The township-range-section identifier and the water level for each well measured are also provided in tabular form as part of this report, which can be found online at [www.kgs.ku.edu/Hydro/Levels/index.html](http://www.kgs.ku.edu/Hydro/Levels/index.html) under the heading "2017 Reports."

**APPENDIX A**  
**Water Levels in Wells Measured by the KGS by County, 2017**  
**Including Provisional Well (PROV) and Quality Assurance (QA) Measurements**

Well ID	Level	QA Meas	Well ID	Level	QA Meas
CHEYENNE COUNTY			CLARK COUNTY		
01S 38W 02CDC 01	29.77		30S 23W 18D 01	119.76	
01S 38W 08DCC 01	13.19		30S 24W 08DBA 01	64.14	
01S 38W 30CAB 01	12.06		FORD COUNTY		
01S 39W 25CBC 01	10.24		25S 22W 20AAA 01	51.97	
02S 37W 17CDD 01	216.64		25S 22W 27CCD 01	38.83	
02S 37W 33DCC 01	219.45		25S 23W 11CCC 01	67.77	
02S 38W 27DAD 01	230.23		25S 25W 32CDD 01	218.62	
02S 39W 26DAA 01	UTM		25S 25W 32DAD 01	79.48	* 79.53
02S 40W 28DBA 01	109.15		25S 26W 20ABC 01	121.62	
02S 40W 32BCB 01	129.13		25S 26W 25CDD 01	87.43	
02S 41W 29AAC 01	247.47	* 247.64	26S 21W 25CCC 01	7.84	
02S 41W 33DBC 01	236.39		26S 22W 21DCD 01	33.80	
03S 37W 19BBC 01	241.09		26S 22W 24AAB 01	38.13	
03S 37W 21DDD 01	234.58		26S 23W 02ABB 02	197.22	
03S 37W 36ADB 01	224.25		26S 23W 10DAD 01	191.45	
03S 38W 04BCC 01	219.79	* 219.77	26S 24W 29DDD 01	165.65	
03S 38W 21BCB 01	254.37		26S 24W 31DDA 01	45.61	
03S 38W 25BBB 01	234.15		26S 24W 33CDA 01	UTM	
03S 39W 04CCC 01	66.08		26S 25W 16DCC 01	166.22	
03S 39W 20DAC 01	144.56		26S 26W 18CCB 01	68.70	
03S 39W 24DDD 01	230.70		26S 26W 36DCC 01	72.97	
03S 39W 32BDB 01	159.14		27S 21W 10BDD 01	5.96	
03S 40W 29ABC 02	10.64	* 10.63	27S 21W 18CDC 01	72.27	
03S 40W 35AAC 01	101.77		27S 23W 24BCB 02	73.85	
03S 41W 33ABB 01	159.41		27S 23W 28AAA 01	91.29	
04S 37W 17AAC 01	212.53		27S 23W 36CCC 01	62.09	
04S 37W 25DCA 01	171.83		27S 24W 03BBD 01	41.57	
04S 38W 04BAC 01	231.03		27S 24W 03CDD 01	38.63	
04S 38W 20CCC 01	170.42		27S 24W 09AAD 01	49.44	
04S 38W 21ADC 01	199.26		27S 24W 16BAC 01	104.85	
04S 39W 15CCA 01	149.83		27S 24W 26DAA 01	116.92	
04S 40W 08BCA 01	73.82		27S 25W 09ADB 01	96.10	
04S 41W 16DAA 01	17.93		27S 25W 25BBB 01	140.97	
04S 41W 23AAA 01	132.92		27S 26W 04BBD 01	134.19	
04S 41W 25BCB 02	151.40		28S 21W 10DDD 01	58.33	
04S 41W 29DCD 01	65.78		28S 21W 23DBC 01	92.17	
04S 42W 02BCC 01	216.71		28S 21W 25ABB 01	84.57	
04S 42W 16CCD 01	93.75		28S 22W 05ADD 01	25.40	
05S 37W 15DBB 01	159.44		28S 22W 12CAC 01	71.93	
05S 38W 13BAD 01	90.87		28S 22W 32BAB 01	136.67	
05S 38W 22ACB 01	115.04	* 114.89	28S 23W 18BAB 01	158.38	
05S 39W 06DAA 01	227.28		28S 24W 08DCC 01	162.82	
05S 39W 11CBC 01	173.68		28S 24W 22CDA 01	127.03	
05S 39W 25CDA 01	147.48		28S 24W 35CAB 01	121.49	
05S 40W 14BCD 01	244.65		28S 25W 06ABB 01	172.35	
05S 40W 18ADB 01	250.96	* 250.94	28S 25W 19BBB 01	168.44	
05S 40W 27BBA 01	232.03		28S 26W 06ABB 01	201.80	
05S 41W 34CBB 01	212.86		28S 26W 13CAA 01	164.00	
05S 42W 04AAB 01	18.45		29S 21W 05BBB 01	110.35	
05S 42W 14DCC 01	144.44	* 143.99	29S 21W 20CAD 01	145.69	
			29S 22W 17DAD 01	142.35	
			29S 22W 36ACA 01	146.38	

Well ID	Level	QA Meas	Well ID	Level	QA Meas
29S 23W 16DDB 01	-----	214.55	LOGAN COUNTY		
29S 24W 01ABA 01	-----	161.88	11S 32W 01BCC 01	-----	119.70
29S 24W 13BCA 01	-----	124.14	11S 32W 19AAB 01	--QA--	110.82 * 110.99
29S 24W 18BAA 01	--QA--	163.44 * 163.34	11S 32W 31CCD 01	-----	66.65
29S 25W 10BBBC01	-----	179.42	11S 32W 36ABA 01	-----	98.69
29S 26W 29ABB 01	-----	139.95	11S 33W 10BDD 01	-----	119.30
29S 26W 36BBB 02	-----	52.10	11S 34W 13AAB 01	-----	143.40
GREELEY COUNTY			11S 34W 16CDB 01	-----	117.10
16S 39W 15CDC 01	-----	168.34	11S 34W 33DDC 01	-----	137.00
16S 40W 15ACC 01	-----	177.56	11S 35W 12ABC 01	PROV17	161.80
16S 40W 26ADA 01	-----	133.80	12S 32W 16ACA 01	-----	27.15
16S 41W 11CCB 01	-----	207.67	12S 32W 35DAA 01	-----	22.79
16S 42W 12CAA 01	-----	242.62	13S 36W 20CCB 01	-----	9.17
16S 42W 22BCB 01	-----	207.02	MEADE COUNTY		
16S 42W 25AAA 01	-----	209.62	30S 26W 04CBB 02	-----	126.66
17S 39W 02BAA 01	-----	136.36	30S 26W 32DDD 01	-----	30.02
17S 39W 22ABB 01	-----	146.65	30S 27W 20ABA 01	-----	138.88
17S 39W 31DAB 01	--QA--	127.18 * 128.44	30S 27W 23ABB 04	-----	122.40
17S 40W 15CCB 01	-----	148.35	30S 27W 27BBB 01	-----	99.30
17S 40W 17BBA 01	-----	191.87	30S 28W 17ABB 01	-----	221.95
17S 40W 31BBA 01	--QA--	UTM * 167.79	30S 29W 28BBB 01	-----	218.02
17S 42W 28DAB 01	-----	27.34	30S 30W 04DBB 01	-----	286.00
18S 39W 07BBD 01	-----	118.83	30S 30W 28ABB 01	--QA--	276.20 * 279.00
18S 39W 19CDA 01	-----	77.14	31S 26W 30BBB 01	-----	112.20
18S 39W 24AAC 01	-----	146.36	31S 27W 20AAA 02	-----	101.62
HAMILTON COUNTY			31S 28W 02CCC 01	--QA--	183.05 * 183.03
21S 39W 07CBA 01	-----	176.37	31S 28W 10BCB 02	-----	198.90
23S 42W 26DCA 02	--QA--	24.75 * 24.77	31S 28W 26ABB 01	-----	104.60
23S 42W 27DDB 01	-----	21.75	31S 29W 02DBB 01	-----	237.80
23S 42W 34CBB 01	-----	10.14	31S 29W 24DCC 01	-----	240.50
23S 43W 21ABA 03	-----	13.91	31S 29W 30AAA 01	-----	225.91
23S 43W 23BCB 01	-----	20.98	31S 30W 16BCD 01	-----	279.45
23S 43W 25CBD 03	-----	7.99	32S 28W 04ADD 01	-----	99.25
23S 43W 26BCC 01	--QA--	10.53 * 10.53	32S 29W 22DCC 01	-----	193.09
24S 39W 19CBC 01	-----	9.14	32S 30W 09CCC 01	-----	262.60
24S 39W 35BAC 01	-----	8.88	33S 28W 29BCB 01	-----	20.09
24S 39W 35CBA 01	-----	17.27	33S 29W 19D 01	-----	194.15
24S 40W 07CBB 01	-----	14.27	33S 30W 22ADD 01	-----	247.53
24S 40W 17BBB 01	-----	13.02	34S 28W 05BDA 01	-----	28.62
24S 40W 23AAB 01	-----	26.07	34S 29W 32BA 01	-----	161.12
24S 40W 31BBB 01	-----	62.97	34S 30W 22CBC 01	-----	228.14
24S 41W 01DAD 01	-----	24.08	35S 30W 10CDA 01	-----	31.56
24S 43W 03BDD 01	-----	49.04	MORTON COUNTY		
25S 39W 23BDD 01	--QA--	86.60 * 86.61	31S 39W 18CCC 01	-----	241.06
25S 40W 01CA 01	-----	50.41	31S 40W 11A 01	-----	277.26
25S 40W 26BBB 01	-----	229.60	31S 41W 07CDD 01	-----	134.96
25S 43W 03ABB 01	-----	272.89	31S 41W 31CBC 01	--QA--	103.02 * 100.51
25S 43W 25CCD 02	-----	307.09	31S 42W 29AAB 01	-----	115.19
26S 41W 20BCD 01	-----	70.66	31S 43W 03CB 01	-----	64.24
26S 41W 32DAC 01	--QA--	337.89 * 316.23	31S 43W 20CBC 01	-----	115.28
26S 42W 10BBB 04	-----	201.64	32S 39W 06BBB 01	-----	236.89
26S 42W 17CBB 01	-----	272.80	32S 40W 07BDC 01	-----	122.88
26S 42W 22DCC 02	-----	280.66	32S 40W 21ADB 01	--QA--	195.37 * 195.66
26S 43W 25DCC 01	PROV17	311.84	32S 41W 15CDC 01	--QA--	26.47 * 26.72
			32S 41W 35DCC 01	-----	188.56
			32S 42W 32CAA 01	-----	NMT

Well ID	Level	QA Meas	Well ID	Level	QA Meas	
32S 42W 35ABD 02	-----	160.09	05S 33W 29BDA 01	-----	26.70	
32S 43W 08CBD 01	-----	145.67	05S 34W 15AAA 01	PROV16	175.46	
32S 43W 28BBC 01	-----	92.49	05S 35W 11CCC 01	-----	150.83	
33S 39W 16ABB 01	--QA--	104.29	* 100.85	05S 35W 30CBC 01	-----	183.59
33S 40W 23ADD 01	-----	93.21	05S 36W 21BCD 01	-----	26.67	
33S 40W 27CCC 01	-----	86.43				
33S 41W 03ADA 01	-----	176.10				
33S 41W 33AAC 01	-----	62.97				
33S 42W 21BCB 01	-----	104.19				
33S 43W 09DBA 01	-----	110.08				
34S 39W 06CCA 01	-----	134.18				
34S 40W 16ABB 01	-----	156.20				
34S 40W 27BBB 01	--QA--	188.27	* 187.59			
34S 41W 06CCA 01	-----	42.79				
34S 41W 26DCD 01	-----	162.65				
34S 41W 28CBA 01	-----	129.80				
34S 42W 05BDC 01	-----	40.96				
34S 42W 22CDB 01	--QA--	86.44	* 86.39			
35S 39W 06CDD 01	-----	268.60				
35S 40W 03BBB 03	-----	198.15				
35S 41W 16CCD 01	-----	221.42				
35S 42W 16DCC 01	-----	263.79				
35S 43W 04AAC 01	-----	119.22				
35S 43W 13BDB 01	-----	240.75				
RAWLINS COUNTY						
01S 33W 24DADD01	-----	197.57				
01S 35W 24CCA 01	-----	116.30				
02S 31W 03CAD 01	-----	20.37				
02S 32W 13ACAA01	--QA--	17.24	* 17.63			
02S 32W 20DCD 01	-----	21.84				
02S 33W 26DCC 01	-----	29.20				
02S 35W 13BAA 01	PROV17	167.85				
02S 36W 11BBCC01	--QA--	193.32	* 192.59			
02S 36W 36BAA 01	-----	179.82				
03S 31W 07CBD 01	-----	UTM				
03S 33W 03DCC 02	-----	33.64				
03S 33W 08CDC 01	-----	25.05				
03S 34W 03ABB 01	--QA--	15.70	* 15.56			
03S 34W 27CAD 01	--QA--	10.30	* 10.20			
03S 35W 18CBB 01	-----	208.99				
03S 35W 24CBB 01	-----	25.73				
03S 36W 14CBB 01	--QA--	216.13	* 216.20			
03S 36W 17CCC 01	-----	227.13				
03S 36W 21DBC 01	-----	216.66				
04S 31W 16ABD 01	-----	11.97				
04S 32W 09CCC 01	PROV17	68.18				
04S 33W 10ABC 01	-----	140.41				
04S 33W 14DAC 01	-----	22.91				
04S 33W 19BCB 01	PROV17	84.90				
04S 34W 08ABA 02	-----	20.90				
04S 34W 33CBC 01	--QA--	119.84	* 121.92			
04S 35W 09AB 01	-----	186.05				
04S 35W 29DDD 01	-----	149.82				
04S 36W 23CBB 01	-----	227.85				
04S 36W 23DCA 01	-----	223.78				
05S 31W 10DDA 01	-----	44.98				
05S 31W 20CCA 01	-----	37.49				
05S 32W 14CDD 01	-----	128.95				
05S 33W 10DAA 01	PROV16	108.79				
SEWARD COUNTY						
31S 31W 03CCC 01	-----	279.90				
31S 32W 01ABC 01	-----	293.40				
31S 32W 28DCA 01	--QA--	282.40	* 286.26			
31S 32W 31BBB 01	-----	273.12				
31S 33W 06CBD 01	-----	321.84				
31S 33W 20DBB 01	-----	269.62				
31S 34W 15ADA 01	-----	289.60				
31S 34W 30DBA 01	-----	274.77				
32S 31W 01DBB 01	PROV17	272.63				
32S 31W 08BBA 01	PROV16	271.90				
32S 31W 26CAA 01	--QA--	279.59	* 279.59			
32S 32W 14BBB 02	-----	285.55				
32S 32W 19BAB 02	PROV16	271.44				
32S 33W 32DBD 01	-----	210.08				
32S 34W 10DAA 01	-----	284.57				
32S 34W 20BAD 01	-----	322.85				
33S 31W 09AAB 01	-----	245.14				
33S 31W 28BBC 01	-----	231.22				
33S 32W 02AAC 01	-----	254.42				
33S 32W 28CDD 02	-----	73.60				
33S 33W 12AAD 01	-----	43.05				
33S 33W 20BCC 01	-----	241.47				
33S 34W 17DCC 01	--QA--	249.76	* 250.90			
34S 31W 01CAA 01	-----	249.33				
34S 31W 22BDD 03	-----	54.86				
34S 31W 30BBB 01	-----	225.13				
34S 32W 29BAA 01	-----	214.67				
34S 32W 35ADA 01	-----	207.33				
34S 33W 02CBA 01	-----	233.48				
34S 33W 07CCB 01	--QA--	UTM	* 194.42			
34S 34W 16DAA 01	-----	259.01				
35S 31W 10AAC 01	-----	207.99				
35S 33W 15ABC 02	-----	162.84				
35S 33W 16BCA 01	-----	170.82				
35S 34W 10BBB 01	-----	163.55				
SHERMAN COUNTY						
06S 37W 07BBA 01	-----	15.40				
06S 37W 16CDD 01	-----	188.59				
06S 37W 19ABB 02	PROV17	171.04				
06S 38W 09ABD 01	-----	174.52				
06S 38W 18DBD 01	-----	147.46				
06S 40W 10AAC 01	-----	187.85				
06S 40W 13CBC 01	-----	175.98				
06S 40W 30DCC 01	--QA--	190.70	* 190.45			
06S 41W 27DBD 01	-----	190.77				
06S 42W 02AAA 01	-----	218.46				
06S 42W 22DCC 01	-----	228.81				
06S 42W 30ADA 01	-----	230.88				
07S 37W 04BBC 01	-----	166.09				
07S 37W 05CCB 01	-----	165.58				
07S 38W 28DAA 01	--QA--	169.38	* 169.39			



Well ID	Level	QA Meas	Well ID	Level	QA Meas
07S 39W 01DCD 01	-----	149.70	28S 41W 34BDD 01	-----	326.35
07S 39W 09BBB 01	-----	135.02	28S 42W 20BCC 01	-----	255.82
07S 39W 27BDC 01	PROV16/QA	185.80 * 186.97	28S 42W 32BBB 01	-----	220.45
07S 40W 06ADB 01	-----	189.89	28S 43W 01BAA 01	-----	273.78
07S 40W 29BBA 01	-----	163.50	29S 39W 21DBD 01	-----	297.89
07S 40W 35BBB 01	-----	151.55	29S 40W 02CCB 02	-----	378.31
07S 40W 36BAB 01	-----	160.13	29S 40W 06BCC 01	-----	355.48
07S 41W 07BCB 01	-----	228.90	29S 40W 28ABB 01	-----	336.41
07S 41W 28DBB 01	-----	155.60	29S 41W 14CDC 01	-----	316.34
07S 42W 07DAA 01	-----	217.03	29S 42W 27DAD 01	-----	237.20
07S 42W 27AAB 01	-----	194.35	29S 43W 21DCDD01	-----	114.94
08S 37W 03ADB 01	-----	179.84	29S 43W 33CDB 01	-----	161.62
08S 37W 21CCC 01	-----	161.28	30S 39W 23BBB 02	-----	293.37
08S 37W 32ABB 01	-----	116.45	30S 40W 12BBB 02	-----	346.98
08S 38W 17CDD 01	-----	194.09	30S 40W 33CCB 01	-----	198.45
08S 38W 24AAB 01	--QA--	142.07 * 141.96	30S 41W 13CCC 02	-----	204.82
08S 39W 15CCC 02	-----	192.74	30S 41W 23DDB 01	-----	198.18
08S 40W 12DBA 01	-----	192.07	30S 42W 16BDB 01	-----	184.53
08S 40W 17CDB 01	-----	160.80			
08S 41W 17CBA 01	-----	172.76			
08S 41W 25BBC 01	-----	149.75			
08S 42W 15DDB 01	-----	164.02			
08S 42W 31DCD 01	-----	110.64			
09S 37W 07DDB 01	-----	95.99			
09S 38W 13BCC 01	-----	83.38			
09S 39W 01DBA 01	-----	167.91			
09S 39W 03ACA 01	PROV17	200.07			
09S 39W 10CCB 01	--QA--	172.77 * 172.58			
09S 39W 19CCC 02	-----	167.70			
09S 40W 10BBA 01	-----	190.15			
09S 40W 13CDC 01	-----	192.28			
09S 40W 29BBB 01	--QA--	203.03 * 203.15			
09S 41W 05DCC 01	-----	213.48			
09S 41W 14BBC 01	-----	233.33			
09S 41W 34BAB 01	-----	206.89			
09S 42W 14AAA 01	-----	212.09			
09S 42W 35ABB 01	-----	198.04			
10S 37W 23CDD 01	-----	155.57			
10S 40W 10ADC 01	-----	26.68			
10S 41W 01DAA 01	PROV17	NMT			
10S 41W 15CAD 01	-----	44.45			
10S 41W 28ACD 01	PROV17	132.70			
10S 42W 20ABB 01	-----	153.95			
10S 42W 24BAB 01	-----	127.82			
STANTON COUNTY					
27S 39W 27BBA 01	-----	293.47			
27S 40W 10CAA 01	-----	208.48			
27S 40W 25CBC 01	-----	248.37			
27S 41W 07DCC 01	-----	230.29			
27S 41W 35CCC 01	-----	207.68			
27S 42W 17CCC 01	-----	270.66			
27S 42W 36BCB 01	-----	294.26			
27S 43W 09CBB 01	-----	269.24			
28S 39W 16CCC 01	-----	241.18			
28S 39W 36ABB 02	-----	254.42			
28S 40W 12DDD 02	--QA--	252.74 * 252.69			
28S 41W 02CCC 01	--QA--	265.63 * 265.20			
28S 41W 17CDD 01	-----	273.87			
STEVENS COUNTY					
31S 35W 21CCC 01	-----	352.58			
31S 36W 02CDD 01	-----	210.62			
31S 37W 09BBC 01	-----	319.93			
31S 37W 13BDD 01	-----	327.63			
31S 37W 22BCC 01	-----	331.13			
31S 38W 17ADB 01	--QA--	276.42 * 281.90			
31S 39W 03DCC 01	--QA--	232.09 * 232.12			
31S 39W 25ABB 01	-----	212.50			
32S 35W 08DDD 01	-----	225.70			
32S 35W 32DCD 01	-----	269.85			
32S 36W 03DDC 01	-----	313.77			
32S 36W 21AAA 01	PROV17	316.77			
32S 37W 10DCC 01	--QA--	211.81 * 199.85			
32S 37W 26BAC 01	-----	161.16			
32S 38W 11CBB 01	-----	236.33			
32S 39W 14DDD 01	-----	123.45			
33S 35W 23CBB 01	-----	274.00			
33S 36W 02CCC 01	-----	244.55			
33S 36W 25CDD 01	-----	291.94			
33S 37W 08BCB 01	-----	202.10			
33S 37W 28CAC 01	-----	204.47			
33S 37W 35ACD 01	-----	239.22			
33S 38W 06AAB 01	-----	105.05			
33S 38W 10ACC 01	-----	236.89			
33S 38W 33CAA 01	--QA--	276.30 * 276.28			
34S 35W 26ACC 01	-----	271.65			
34S 36W 10CAC 01	-----	258.04			
34S 37W 27ABC 03	-----	205.70			
34S 37W 35AAD 01	-----	196.20			
34S 38W 02ADC 01	-----	249.06			
34S 38W 21DCCB01	-----	312.90			
34S 39W 15CAD 01	-----	171.08			
35S 35W 15BCC 01	-----	207.14			
35S 36W 01AAA 01	-----	214.08			
35S 37W 02DDD 02	-----	186.89			
35S 37W 16BCC 02	-----	240.20			
35S 38W 07CCC 01	-----	312.10			

Well ID	Level	QA Meas	Well ID	Level	QA Meas
THOMAS COUNTY			10S 34W 12BCD 01	--QA--	184.95 * 181.03
06S 31W 03ADB 01	-----	120.78	10S 35W 09ABB 01	-----	109.45
06S 31W 14BCA 01	-----	97.90	10S 36W 16CCC 01	-----	146.26
06S 31W 19ABA 01	-----	126.16	WALLACE COUNTY		
06S 31W 33CCD 01	-----	52.37	11S 38W 35CCC 02	-----	133.72
06S 32W 12CBC 01	-----	123.16	11S 42W 08DDC 01	-----	124.52
06S 32W 29CDC 01	-----	137.49	11S 42W 10AAD 01	-----	138.98
06S 33W 02CDD 01	-----	126.13	13S 39W 33BBB 01	-----	25.75
06S 33W 07BBB 01	--QA--	149.90 * 147.63	13S 42W 22CDB 01	-----	80.17
06S 33W 23DDD 01	-----	20.65	13S 43W 36ABB 02	-----	241.10
06S 34W 11CDD 01	-----	172.28	14S 39W 28CAA 01	-----	165.98
06S 34W 17CBC 01	-----	169.53	14S 40W 14CCC 01	-----	140.19
06S 35W 02CDD 01	-----	140.44	14S 41W 22BBC 02	-----	206.23
06S 35W 26ACB 01	-----	170.26	14S 42W 10BAA 01	--QA--	271.50 * 271.23
06S 36W 01CAC 01	-----	185.03	14S 42W 10CAA 01	PROV16/QA	263.08 * 262.26
06S 36W 07BBB 01	-----	197.69	14S 42W 13AAD 01	-----	247.58
06S 36W 11ACC 01	-----	191.46	14S 42W 27BAB 01	PROV16	261.58
06S 36W 30DCB 01	-----	179.26	14S 42W 32DBB 01	-----	250.82
06S 36W 34DDB 01	-----	121.32	14S 43W 25ACC 01	-----	258.73
07S 31W 01DCA 01	-----	140.79	15S 38W 05CCB 01	-----	111.43
07S 32W 07ACA 01	-----	94.47	15S 38W 14CCD 01	-----	120.38
07S 32W 13DBD 01	-----	137.13	15S 38W 21CCC 01	-----	170.51
07S 32W 33BCB 01	-----	141.01	15S 39W 02BCA 01	-----	165.70
07S 33W 07BDA 01	-----	172.04	15S 39W 06CBC 01	-----	197.91
07S 34W 08DDD 01	-----	58.53	15S 39W 08ACC 01	--QA--	196.26 * 196.30
07S 34W 25AAA 01	-----	134.10	15S 39W 26ACC 01	-----	194.94
07S 34W 26DBD 01	-----	135.16	15S 40W 03BAB 01	-----	181.94
07S 35W 09CCC 01	-----	149.07	15S 40W 06BDB 01	-----	210.68
07S 36W 17CCC 01	-----	169.53	15S 40W 09DCB 01	-----	193.39
08S 31W 03CDD 01	-----	171.30	15S 40W 22ADC 01	-----	184.51
08S 31W 20CDD 01	-----	153.34	15S 41W 09BDD 01	-----	197.29
08S 32W 07BAA 01	-----	149.14	15S 41W 27CBC 01	-----	234.14
08S 32W 12DBC 01	-----	152.45	15S 41W 36DDB 02	-----	196.48
08S 32W 32DAA 01	-----	131.83	WICHITA COUNTY		
08S 33W 34BBC 01	-----	177.84	16S 35W 06AAB 01	-----	78.93
08S 34W 01BAC 01	-----	149.92	16S 35W 13CCC 01	-----	168.95
08S 34W 06CBC 01	-----	153.97	16S 35W 18CBB 01	-----	141.55
08S 34W 23CBD 01	-----	207.80	16S 35W 32ACB 02	-----	168.15
08S 34W 29CCC 01	-----	231.05	16S 36W 27BBB 02	-----	167.98
08S 35W 04CCC 01	-----	100.86	16S 36W 34CCC 02	-----	158.78
08S 36W 15CBB 01	-----	94.44	16S 37W 17BBB 01	-----	172.84
08S 36W 31BCD 01	-----	47.68	16S 37W 30BAB 01	-----	182.06
09S 31W 10BDD 01	-----	106.85	16S 37W 35ACC 01	-----	177.69
09S 31W 17CCC 01	-----	110.20	16S 38W 04ABC 01	-----	180.55
09S 31W 36AAB 01	-----	163.78	16S 38W 16CCC 01	PROV16	159.02
09S 32W 03AAA 01	-----	117.21	16S 38W 26BBB 01	-----	163.84
09S 32W 27BCD 01	-----	142.12	17S 35W 02ABC 01	-----	170.89
09S 33W 10BAD 01	-----	146.50	17S 35W 18DCC 01	-----	174.10
09S 33W 33BBB 01	--QA--	220.35 * 219.28	17S 35W 27CCC 01	-----	168.95
09S 33W 35AAD 01	--QA--	190.30 * 189.75	17S 35W 30CBB 02	-----	182.91
09S 34W 12ADA 01	-----	195.64	17S 36W 34BCD 01	-----	184.07
09S 34W 17ABA 01	-----	169.74	17S 37W 08BAA 02	-----	157.69
09S 35W 20DCA 01	-----	131.25	17S 37W 13CDD 01	-----	149.87
10S 31W 26AAA 01	-----	16.78	17S 37W 28CBC 01	-----	174.10
10S 31W 29AAB 01	--QA--	107.71 * 97.84	17S 37W 36BCC 01	-----	166.47
10S 32W 11BAA 01	-----	137.94	17S 38W 21BBB 01	-----	134.84
10S 32W 29DCB 01	-----	114.19	17S 38W 28CCC 01	-----	157.10
10S 33W 06BBC 02	--QA--	206.90 * 205.27			
10S 33W 11BAB 01	--QA--	178.74 * 177.85			
10S 33W 19CBD 01	-----	108.94			

Well ID	Level	QA Meas
18S 35W 08BBC 02 --QA--	141.90	* 141.37
18S 35W 14DCD 01 --QA--	117.07	* 118.45
18S 35W 31DDD 01 -----	104.60	
18S 36W 15DBD 01 -----	102.97	
18S 37W 21BBB 01 -----	167.17	
18S 37W 25ABC 01 -----	130.38	
18S 38W 02BCC 01 -----	171.49	
18S 38W 12CCB 02 -----	177.35	
18S 38W 20ACC 02 -----	147.35	
18S 38W 31DBC 01 -----	118.83	
19S 35W 01ABB 01 -----	110.62	
19S 35W 08BBB 01 --QA--	105.97	* 105.65
19S 36W 15BAA 01 -----	82.56	
19S 37W 22AAB 01 -----	103.30	
19S 38W 24DAB 01 -----	94.34	
19S 38W 31CBC 01 -----	143.89	
20S 38W 02ACD 01 -----	104.39	
20S 38W 17CBD 01 -----	140.03	
20S 38W 28DAB 01 -----	130.02	

END APPENDIX A

**APPENDIX B**  
**Water Levels in Wells Measured by the DWR by County, 2017**  
**Including Provisional Well Measurements (PROV)**

Well ID	Level	Well ID	Level
<b>BARBER COUNTY</b>		04S 28W 30DDD 01	86.08
30S 11W 11CCA 01	47.94	04S 30W 06CCC 02	18.65
30S 11W 33ADA 01	21.67	05S 26W 05ADD 01	119.07
30S 12W 04CCC 01	69.45	05S 26W 26DDA 01	21.25
<b>BARTON COUNTY</b>		05S 26W 33DCC 01	17.08
18S 14W 27CDD 01	38.59	05S 27W 21CCA 01	98.52
18S 15W 28CCC 03	13.59	05S 28W 07BBC 01	22.04
19S 11W 19BDD 01	20.20	05S 28W 10BBB 01	8.48
19S 11W 26BDA 01	14.10	05S 28W 14ADD 01	130.34
19S 12W 28DBC 02	15.13	05S 28W 17DAC 01	96.53
19S 13W 08BAD 01	17.70	05S 29W 22CBB 01	15.92
19S 13W 33DDB 01	9.73	05S 30W 15CCB 01	91.83
19S 14W 06BBB 02	14.74	05S 30W 25BBC 01	116.14
19S 14W 23BBC 02	15.48	05S 30W 35BCB 01	120.70
19S 14W 32B 01	30.58	<b>EDWARDS COUNTY</b>	
19S 14W 36BBC 01	10.76	24S 16W 12CBD 01	28.68
20S 11W 06CCC 01	10.28	24S 17W 20ADC 01	45.05
20S 11W 26AAC 01	10.17	24S 17W 24DDD 01	41.14
20S 12W 03DAC 01	7.25	24S 18W 13DAC 01	43.38
20S 12W 23CCA 01	13.70	24S 18W 17ABD 01	34.79
20S 13W 17DDC 01	13.85	24S 18W 28DAC 01	45.30
20S 13W 24DCB 02	19.99	24S 19W 34ADD 01	8.24
20S 13W 31D 01	23.41	25S 16W 02BBB 01	29.61
20S 14W 22CDC 01	15.79	25S 16W 27AAC 01	21.09
20S 15W 24DBD 01	13.04	25S 17W 01DAB 01	39.59
20S 15W 33ADD 01	20.41	25S 17W 17AAC 01	46.94
<b>DECATUR COUNTY</b>		25S 17W 26B 01	PROV17 29.93
01S 27W 17ADA 01	89.68	25S 17W 31BBD 02	42.79
01S 27W 26BBA 01	32.65	25S 18W 09AAA 01	46.19
01S 28W 15BBC 01	149.85	25S 18W 20AAB 01	52.14
01S 29W 03DDB 01	NMT	25S 18W 33CDC 01	49.74
01S 29W 19ACD 01	22.52	25S 19W 08BDD 01	7.75
01S 30W 20CDC 01	77.25	25S 19W 26DDB 01	48.08
01S 30W 34DDD 01	39.15	25S 20W 03BCD 01	29.43
02S 26W 11BBA 01	74.83	25S 20W 19CDA 01	65.59
02S 28W 13ABA 01	30.55	25S 20W 26AAC 01	PROV16 6.87
02S 29W 01DDD 02	PROV16 118.38	26S 16W 10CCC 01	17.60
02S 30W 18ACC 01	26.84	26S 16W 18CAC 01	26.15
03S 26W 05CAD 01	PROV16 158.29	26S 16W 31CCA 01	42.99
03S 28W 06DCB 01	31.19	26S 16W 34ABC 01	31.42
03S 28W 32BCA 01	120.09	26S 17W 14BAA 01	35.78
03S 29W 12BBB 01	18.86	26S 17W 33DDB 01	37.60
03S 29W 17DCB 01	27.30	26S 18W 15DCB 01	50.38
03S 29W 31DCC 01	31.59	26S 19W 16BCB 02	49.89
03S 30W 03CAB 01	90.34	26S 19W 31AAC 01	52.92
03S 30W 26BBB 01	13.54	26S 19W 34BBD 01	57.02
04S 26W 08DDD 01	28.89	26S 20W 20BBC 01	15.53
04S 26W 19DCA 01	13.23	<b>ELLIS COUNTY</b>	
04S 27W 17DAC 01	95.85	13S 18W 29CCC 01	20.25
04S 27W 33BBB 01	17.82	14S 18W 12AAD 01	27.45
04S 28W 15AAA 01	83.24	15S 18W 27CBC 02	11.00
		15S 19W 25CAB 01	15.85

Well ID	Level	Well ID	Level
FINNEY COUNTY		25S 34W 08CAB 01	269.72
21S 31W 26CCC 01	77.40	26S 31W 01DDA 02	195.42
21S 32W 20CBD 01	142.30	26S 31W 06BBB 02	174.22
21S 32W 26DAA 01	119.69	26S 31W 15BCC 01	200.70
21S 33W 29BBC 01	106.36	26S 32W 27DAC 01	285.62
21S 34W 14DBB 01	99.50	26S 33W 10CCD 01	258.52
22S 27W 14ADC 01	185.53	26S 33W 20ACC 02	PROV16 296.14
22S 31W 08CCC 01	126.40	26S 33W 30ADC 01	305.10
22S 32W 08ACB 01	128.68	26S 34W 03BBD 01	PROV17 283.24
22S 32W 21CDC 01	148.32	GOVE COUNTY	
22S 33W 04DDCD02	129.88	11S 26W 04CDC 01	74.78
22S 33W 32ABC 01	172.10	11S 27W 08DBB 01	118.00
22S 33W 36BCCC01	158.10	11S 27W 13ABB 01	159.07
22S 34W 18CDD 01	152.80	11S 27W 36BCC 01	79.53
22S 34W 26CCC 01	183.54	11S 28W 08AAA 02	118.26
23S 27W 22DAB 01	77.68	11S 28W 26ABB 01	95.52
23S 28W 22DCD 01	76.48	11S 29W 04DAD 01	111.72
23S 29W 30BBB 01	97.34	11S 29W 33BBA 01	103.56
23S 29W 34CDD 01	97.55	11S 30W 27ABB 01	127.99
23S 30W 04ACC 01	79.82	11S 30W 28CBA 01	125.61
23S 30W 19CCB 01	96.90	11S 30W 36CBB 01	106.68
23S 31W 03DCD 01	122.45	11S 31W 12AAB 01	108.55
23S 31W 17ABA 01	129.20	11S 31W 27ADC 01	58.18
23S 31W 28CDD 02	159.90	11S 31W 35BDC 01	102.76
23S 32W 26ACC 01	203.48	12S 26W 12BCC 01	37.46
23S 32W 31BCC 01	PROV17 NMT	12S 26W 24CBA 01	12.87
23S 32W 31CCA 01	152.04	12S 27W 10CCB 01	79.25
23S 33W 07BBC 01	PROV17 NMT	12S 27W 14DDD 01	94.96
23S 33W 26ABB 02	171.80	12S 28W 07DDD 01	51.42
23S 33W 28CDC 02	182.23	12S 28W 13ABA 01	73.06
23S 33W 34ABC 01	179.27	12S 29W 10BBD 01	94.47
23S 34W 06AADA02	209.73	12S 30W 13CCB 01	17.05
23S 34W 10ACB 01	200.25	12S 31W 21CAA 01	PROV16 22.78
23S 34W 17CCC 01	181.20	13S 26W 20CBC 01	15.33
23S 34W 21DDC 01	181.97	13S 27W 16BDD 01	PROV16 18.80
23S 34W 32BCC 02	146.32	13S 28W 14AC 01	17.39
24S 31W 27CCB 01	203.75	13S 30W 08ABC 01	43.40
24S 32W 10ACA 01	122.52	13S 31W 05CAB 01	37.38
24S 32W 19CAB 01	106.73	GRAHAM COUNTY	
24S 32W 25CBB 02	66.75	06S 21W 19CDC 02	96.24
24S 32W 36ABC 01	67.25	06S 21W 33DDD 01	28.58
24S 33W 09CCD 01	147.12	06S 22W 19CCC 01	100.55
24S 33W 09CCD 02	32.12	06S 23W 13BBB 01	46.89
24S 33W 09CCD 03	147.24	06S 23W 17CCA 01	60.74
24S 33W 18BDB 01	151.84	06S 24W 14AAA 01	106.95
24S 33W 18BDB 02	173.15	06S 24W 28BAB 01	93.06
24S 33W 19DBB 02	224.92	06S 25W 12CCC 01	138.69
24S 33W 28DAA 01	191.30	06S 25W 28CBC 01	112.61
24S 33W 34CAC 01	223.99	07S 22W 10BBC 01	9.32
24S 34W 01BCBB01	133.92	07S 22W 19BBB 01	33.99
24S 34W 17DCA 01	141.96	07S 23W 17BBD 01	100.12
25S 31W 16ACA 01	66.20	07S 24W 08CBA 01	125.24
25S 32W 07CAC 01	213.64	07S 25W 24BBB 01	87.19
25S 32W 22DBC 01	192.12	07S 25W 33DDD 01	99.95
25S 32W 31DDC 01	236.62	08S 21W 17ABB 01	22.55
25S 32W 35ACA 01	185.44	08S 22W 18CDC 01	8.03
25S 33W 05ABD 01	235.35	08S 24W 23ACC 01	32.29
25S 33W 09ABD 01	230.60		
25S 33W 15DAC 01	256.24		
25S 33W 16DCC 01	151.60		

Well ID	Level	Well ID	Level
08S 25W 24BAB 01 -----	29.07	25S 29W 10DDC 01 -----	193.48
09S 21W 19AAB 01 -----	17.88	25S 30W 25BCC 01 -----	91.95
09S 21W 34BAA 01 -----	27.80	25S 30W 28C 01 -----	98.75
09S 22W 32ABAA01 -----	44.65	26S 27W 12CDD 01 -----	UTM
09S 23W 26BAA 01 -----	42.53	26S 28W 06DDB 02 -----	46.73
09S 24W 22BAA 01 -----	91.33	26S 28W 25DAA 01 -----	163.38
09S 25W 05BBD 01 -----	81.86	26S 29W 26DBA 01 PROV16	187.95
09S 25W 14DDD 01 -----	84.83	26S 30W 01ABC 01 -----	164.30
09S 25W 29BBB 01 -----	130.53	26S 30W 24DDD 01 -----	182.59
09S 25W 35ADD 01 -----	94.34	27S 27W 07ADC 01 -----	139.45
10S 24W 10ADD 01 -----	41.95	27S 28W 05AAA 01 -----	205.65
10S 24W 23DCC 01 -----	5.71	27S 28W 26ADD 01 -----	208.42
10S 25W 22AAA 01 -----	21.53	27S 28W 26ADD 02 -----	306.52
GRANT COUNTY			
27S 35W 17ADD 01 -----	359.90	27S 28W 30CDD 01 -----	179.59
27S 35W 25BDC 01 -----	346.61	27S 29W 27CAA 01 -----	227.65
27S 36W 01ADB 01 -----	329.78	27S 30W 08BBA 01 -----	169.19
27S 36W 21DCD 01 -----	355.58	27S 30W 23BBC 01 -----	248.00
27S 37W 16AAD 01 -----	300.69	28S 29W 16ACC 01 -----	183.02
27S 38W 12ADC 01 -----	226.48	28S 29W 32CCA 01 -----	172.45
27S 38W 21BCC 01 -----	240.23	28S 30W 17BAB 01 -----	264.72
28S 35W 03DBB 01 -----	376.07	29S 28W 28CDC 01 -----	183.89
28S 35W 36ABC 01 -----	359.05	29S 29W 27BCB 02 -----	206.31
28S 36W 09B 01 -----	326.53	29S 30W 08CCB 01 -----	258.53
28S 36W 18ABC 01 -----	271.36	29S 30W 22BBC 02 -----	289.88
28S 36W 24AAD 01 -----	368.23	HARVEY COUNTY	
28S 37W 10ADB 01 -----	272.30	22S 02W 05CBD 01 -----	54.60
28S 37W 33DDC 01 -----	96.02	22S 02W 29BBA 01 -----	19.20
28S 38W 12BCB 02 -----	258.89	22S 03W 02DCD 01 -----	35.80
28S 38W 33BDB 01 -----	273.61	22S 03W 29BDB 01 -----	7.89
29S 35W 07CBD 01 -----	272.83	22S 03W 35AAA 01 -----	7.33
29S 36W 04BAC 01 -----	327.27	23S 01W 19BCA 01 -----	43.39
29S 36W 19BCB 01 -----	264.99	23S 02W 22CCD 01 -----	12.75
29S 36W 33ADB 01 -----	259.19	23S 03W 06DDD 01 -----	65.55
29S 37W 29BBA 01 -----	316.33	23S 03W 14AAC 01 -----	34.90
29S 38W 07CCB 01 -----	272.00	23S 03W 32DCC 03 -----	6.30
30S 35W 02DBC 01 -----	369.43	24S 01W 05AAB 01 -----	19.20
30S 35W 19BCD 01 -----	310.18	24S 01W 19BCC 01 -----	11.82
30S 36W 01BBB 01 -----	254.28	24S 01W 22BCC 01 -----	26.03
30S 36W 32BBC 01 -----	275.75	24S 02W 04CCD 01 -----	25.72
30S 37W 15CBB 01 -----	284.02	24S 02W 28DDD 01 -----	14.70
30S 38W 13CCC 01 -----	311.27	24S 03W 15DAA 03 -----	6.91
30S 38W 15DBC 01 -----	254.98	HASKELL COUNTY	
GRAY COUNTY			
24S 27W 08CCC 01 -----	93.61	27S 31W 09CDB 01 -----	255.63
24S 27W 14ABB 01 -----	67.59	27S 31W 24CDC 02 -----	264.34
24S 27W 29BCC 01 -----	111.00	27S 31W 36BDC 01 -----	301.57
24S 27W 31CDD 01 -----	115.63	27S 32W 06BCC 01 -----	302.51
24S 28W 28BBA 01 -----	133.23	27S 32W 15CAB 02 -----	296.87
24S 28W 31DD 01 -----	176.93	27S 33W 19CDB 01 -----	351.58
24S 29W 16DCA 01 -----	142.77	27S 33W 26CDB 01 -----	364.28
24S 29W 18CCB 01 -----	163.28	27S 34W 16DDD 02 -----	307.26
24S 30W 15CCC 02 -----	182.62	27S 34W 28DAA 02 -----	331.59
24S 30W 31ABB 01 -----	192.35	28S 31W 19AAA 01 -----	346.08
25S 27W 33ABB 01 -----	156.89	28S 31W 35CCB 01 -----	267.34
25S 28W 14CBC 01 PROV17	154.40	28S 32W 08ADD 01 PROV17	384.33
25S 29W 07BCB 01 -----	208.95	28S 33W 07CBB 01 -----	423.51
		28S 33W 20ACD 01 -----	413.23
		28S 34W 35CBB 01 -----	387.31

Well ID	Level	Well ID	Level
29S 31W 09CBB 01	319.32	26S 37W 06ACB 01	28.12
29S 32W 19CCC 01	388.90	26S 37W 23BBC 01	252.08
29S 33W 28BCB 02	381.44		
30S 31W 09CBB 01	313.18	KINGMAN COUNTY	
30S 32W 22BBB 01	338.37	27S 06W 12CCD 01	9.56
30S 32W 35BBA 01	307.76	27S 06W 16CCB 01	6.28
30S 33W 14CBD 01	370.35	27S 07W 03ADC 02	6.10
30S 34W 05BBB 01	367.76	27S 08W 14DDC 01	0.90
30S 34W 11BBC 01	PROV16 369.82	27S 08W 17DAC 01	35.21
30S 34W 31BDB 01	207.69	27S 08W 35CBC 01	21.60
HODGEMAN COUNTY		27S 10W 03DDD 01	56.62
22S 24W 15BDA 01	270.87	27S 10W 17DDD 01	67.58
22S 24W 26DDA 01	163.38	28S 07W 29CDD 01	26.34
22S 24W 35DAC 01	117.61	28S 07W 35CCD 01	22.40
23S 22W 07DAA 01	102.64	28S 08W 21BBB 01	2.68
23S 23W 04AAD 01	33.83	28S 09W 01BCC 01	7.17
23S 23W 04DCA 01	31.18	28S 09W 21AAA 01	29.89
23S 23W 12ABD 01	124.31	28S 09W 29CCC 01	35.28
23S 24W 11DAA 01	136.43	28S 09W 34AAB 01	44.82
23S 26W 07CCC 01	329.20	28S 10W 16BCB 01	52.86
23S 26W 20CCC 01	44.87	29S 06W 20ACC 01	PROV16 18.85
23S 26W 20DCC 01	69.88	29S 06W 24CDD 01	PROV17 10.00
23S 26W 31CDD 01	68.68	29S 08W 06DBC 01	19.43
24S 23W 03CCC 01	64.88	29S 09W 18DCB 01	66.58
24S 23W 06AAB 01	227.47	29S 09W 23DDD 01	12.73
24S 24W 02CCC 01	63.28	29S 10W 19DDB 01	25.16
24S 24W 20CCC 01	64.31	30S 05W 12CCA 02	22.08
24S 25W 22BAB 01	83.09	30S 10W 05BBD 01	47.90
KEARNY COUNTY		30S 10W 13AAC 01	75.64
22S 35W 23CDD 01	131.69	30S 10W 28DAC 01	23.20
22S 37W 34BBC 01	143.14	KIOWA COUNTY	
23S 35W 05ACC 01	164.68	27S 16W 10BAC 01	39.46
23S 35W 09ADD 01	PROV17 NMT	27S 16W 19BBD 01	44.46
23S 35W 12CCC 02	193.17	27S 16W 28CDD 01	76.44
23S 35W 24BBB 02	183.32	27S 17W 21ADC 01	48.47
23S 35W 25BBB 03	155.63	27S 18W 09ABD 01	75.31
23S 36W 04CBB 01	151.87	27S 18W 13AAA 01	40.94
23S 36W 32BBB 02	250.42	27S 18W 18DDC 01	34.05
23S 37W 04ABC 01	212.15	27S 18W 22ADC 01	41.74
23S 38W 36BAA 03	238.97	27S 18W 35AAC 01	48.98
24S 35W 09CCC 02	73.12	27S 19W 16DBD 01	74.86
24S 35W 11CBC 01	52.95	27S 20W 26ABD 02	56.96
24S 36W 01ADA 01	PROV16 103.25	27S 20W 32ABD 01	58.01
24S 36W 23CBB 02	44.40	28S 16W 12BCA 01	114.92
25S 35W 02BAA 01	214.34	28S 16W 17AAC 01	131.24
25S 35W 26BBB 01	279.08	28S 16W 31DCA 01	77.02
25S 36W 05BCA 01	7.85	28S 17W 01CAB 01	72.27
25S 36W 14B 01	152.86	28S 17W 15DDB 01	107.52
25S 36W 35CBB 01	PROV17 205.44	28S 18W 19CCB 01	99.21
25S 37W 15ABA 02	5.54	28S 18W 25CAC 01	117.52
25S 38W 08CAA 01	46.09	28S 19W 10AAC 01	106.79
25S 38W 20ACC 01	69.49	28S 19W 33CBD 01	139.72
26S 35W 04AAD 01	272.13	28S 20W 30ACA 01	50.41
26S 35W 29BBD 01	279.53	29S 16W 02ADB 02	PROV16 56.12
26S 35W 36DDB 01	292.31	29S 17W 04ABC 01	57.30
26S 36W 21DDB 01	296.84	29S 17W 12DAA 01	54.63
		29S 18W 07BBD 01	156.41

Well ID	Level
29S 19W 22BAA 01	159.06
29S 20W 11CDD 01	169.17

LANE COUNTY

16S 29W 26CCD 01	113.46
16S 29W 33BAB 01	114.85
16S 30W 29CDD 01	132.68
17S 27W 20CCC 01	100.57
17S 27W 26CCC 01	94.69
17S 28W 07BBB 01	108.72
17S 28W 15BBC 01	114.43
17S 28W 26ABB 01	108.56
17S 28W 34CBB 01	98.13
17S 29W 07DAA 01	127.25
17S 29W 36BAA 01	94.80
17S 30W 20BBB 01	122.14
18S 27W 13CCC 01	89.07
18S 28W 18ACC 01	66.61
18S 29W 04DDA 01	74.45
18S 29W 23DBC 01	15.78
18S 30W 02AAA 01	92.97
18S 30W 02BBB 01	PROV16 83.24
18S 30W 04BAB 01	83.57
18S 30W 23AAA 01	56.06

MCPHERSON COUNTY

18S 03W 30CCC 02	PROV17 117.76
18S 04W 21CCC 01	15.00
19S 01W 32DAC 01	45.70
19S 03W 16BCB 01	104.04
19S 04W 15AAC 01	90.06
20S 01W 22BBB 01	7.81
20S 02W 34CBD 01	PROV17 16.62
20S 03W 22DAA 01	48.94
20S 03W 30BBB 01	64.46
20S 04W 02DAD 01	PROV16 78.28
20S 04W 15BDD 01	63.19
20S 04W 27DBD 01	52.17
21S 02W 36ABD 01	10.59
21S 03W 06CBD 01	53.86
21S 03W 11AAC 01	45.89
21S 03W 33BBC 01	47.70
21S 04W 26CDC 03	34.45

NESS COUNTY

16S 24W 15ABB 01	27.76
16S 26W 24DDA 01	61.17
18S 21W 25AAB 01	27.09
18S 21W 31CAA 01	27.68
18S 24W 36ADB 01	32.98
18S 25W 33BBC 01	26.70
18S 26W 06BAB 02	6.79
19S 23W 01CCB 01	93.92
19S 23W 08CBB 01	20.06
20S 22W 20CCC 04	35.01
20S 22W 35BCC 01	35.32
20S 23W 32CDA 03	39.51
20S 26W 07BDC 01	20.38

Well ID	Level
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NORTON COUNTY

01S 21W 08CCD 01	142.02
01S 21W 28CCD 01	86.42
01S 22W 33DCC 01	97.62
01S 24W 13BCB 01	111.39
01S 25W 25BBB 01	36.72
02S 21W 02DDB 01	24.84
02S 21W 18CAA 01	13.83
02S 21W 33CCC 01	86.10
02S 21W 36CAA 01	114.07
02S 22W 28DCC 01	33.37
02S 23W 05DCA 01	92.18
02S 23W 22AAA 01	71.27
02S 23W 36BAC 01	24.64
02S 24W 16ADC 01	137.60
02S 25W 14AAA 01	129.52
02S 25W 35DBD 01	87.91
03S 21W 29DCC 01	102.91
03S 22W 27BBA 01	151.45
03S 23W 34ADD 02	83.83
03S 25W 33AAD 01	29.19
04S 21W 35DDC 01	14.69
04S 23W 19DDB 01	133.27
04S 25W 28BAA 01	150.65
04S 25W 34CDC 01	87.84
05S 21W 25ADC 01	137.65
05S 22W 18CCD 01	9.14
05S 24W 14BDC 01	12.79
05S 24W 20CCC 01	11.35
05S 25W 28DCC 01	18.99

OSBORNE COUNTY

06S 12W 23CDC 02	PROV16 21.70
07S 12W 28ABA 01	33.20
07S 15W 10CCC 01	17.54

PAWNEE COUNTY

21S 15W 11CBB 01	10.45
21S 15W 17CCC 01	15.63
21S 15W 31BAD 01	19.97
21S 19W 27CCC 01	54.82
21S 20W 29BBB 01	53.94
22S 15W 03AAA 01	36.49
22S 15W 03AAA 02	38.45
22S 15W 13DCA 02	49.70
22S 15W 33DDD 01	42.45
22S 16W 03CBC 02	15.19
22S 16W 06BBA 01	15.11
22S 16W 23AAA 01	44.15
22S 16W 32CDD 02	39.58
22S 17W 05BBC 02	23.14
22S 17W 18AAD 01	36.46
22S 17W 24CBC 01	11.86
22S 17W 27BBD 01	19.41
22S 18W 04BCC 02	36.61
22S 19W 07AAA 01	77.14
23S 15W 12DDB 01	33.01
23S 16W 11CDC 02	30.37



Well ID	Level	Well ID	Level
23S 16W 35CCD 02 -----	33.62	29S 14W 12BAA 04 -----	104.57
23S 17W 25AAC 01 -----	30.70	29S 14W 31ACA 01 PROV17	102.56
23S 17W 33CCA 02 -----	38.79	29S 15W 22DDD 01 -----	23.71
23S 18W 13DDD 01 -----	UTM		
23S 18W 28DAD 01 -----	8.35		
23S 18W 36DAC 01 -----	32.64		
PHILLIPS COUNTY		RENO COUNTY	
01S 16W 10ABA 01 -----	17.48	22S 04W 12CDA 01 -----	31.62
01S 16W 31CBB 01 -----	42.95	22S 06W 18BCB 01 -----	9.07
01S 17W 21DDD 01 -----	43.20	22S 06W 28CCB 01 -----	9.20
01S 17W 31AAA 01 -----	15.70	22S 07W 16BAD 01 -----	8.50
01S 18W 06BDD 01 -----	27.39	22S 08W 33CCD 02 -----	NMT
01S 18W 34DCD 01 -----	78.96	22S 09W 03BBD 01 -----	32.56
01S 20W 02CCB 01 -----	77.55	22S 09W 25BBA 01 -----	20.88
01S 20W 32ACB 01 -----	21.74	22S 10W 02DCC 01 -----	8.33
02S 18W 06BBC 01 -----	99.15	22S 10W 08BBB 01 -----	UTM
02S 19W 09BBB 01 -----	116.60	22S 10W 30DAA 01 -----	12.35
02S 20W 28BDD 01 -----	36.73	23S 04W 03BAB 02 -----	5.28
04S 18W 27DDD 03 -----	9.27	23S 04W 16BBB 01 -----	25.60
04S 19W 35DDD 01 -----	21.40	23S 05W 05DDC 01 -----	12.05
PRATT COUNTY		23S 05W 31CCB 01 -----	12.10
26S 11W 01DDB 01 -----	28.20	23S 06W 31DCB 01 -----	32.95
26S 11W 27AAC 01 -----	28.84	23S 07W 20BCC 01 -----	3.97
26S 11W 29BCB 01 -----	20.87	23S 08W 18AAD 01 -----	6.62
26S 12W 02ABA 01 -----	37.95	23S 08W 22AB 01 -----	7.11
26S 12W 17CCA 01 -----	40.77	23S 09W 05CBD 01 -----	17.20
26S 12W 34CDC 01 -----	47.27	23S 09W 21DDB 01 -----	11.62
26S 12W 34CDC 02 -----	45.07	23S 09W 35CCC 01 -----	23.30
26S 13W 16DAA 02 -----	29.40	23S 10W 01AAA 03 -----	11.89
26S 13W 19BBB 01 -----	31.35	23S 10W 29DCA 01 -----	18.12
26S 13W 34BCB 01 -----	56.71	24S 04W 05CBD 02 -----	9.22
26S 14W 17DBC 01 -----	34.77	24S 04W 25BBD 01 -----	4.78
26S 15W 01AAB 01 -----	27.06	24S 04W 31DAB 02 -----	23.34
26S 15W 17BBC 01 -----	28.29	24S 05W 10CCA 01 -----	21.48
27S 11W 12CBC 01 -----	53.85	24S 06W 03AAB 01 -----	29.80
27S 11W 18CAA 01 -----	69.53	24S 06W 23CBA 01 -----	11.88
27S 12W 33CBA 01 -----	4.31	24S 07W 28AAA 01 -----	13.10
27S 13W 13DDC 01 -----	63.37	24S 08W 01BBB 01 PROV17	8.36
27S 13W 19A 01 -----	64.94	24S 08W 18BAC 01 -----	UTM
27S 14W 03DAC 01 -----	51.92	24S 09W 19DDB 01 -----	27.65
27S 15W 02ABC 01 -----	42.25	24S 10W 06DBB 01 -----	25.25
27S 15W 05CDB 01 -----	UTM	24S 10W 31CBC 01 -----	12.19
27S 15W 32CCA 01 -----	63.46	25S 04W 02ABB 01 -----	8.19
27S 15W 36ADD 01 -----	84.84	25S 07W 07BBD 01 -----	24.71
28S 11W 12ACC 01 -----	38.69	25S 07W 36CCC 01 -----	28.94
28S 11W 20CAC 01 -----	72.89	25S 09W 01DCD 01 -----	16.04
28S 12W 21BAD 01 -----	85.76	25S 09W 17B 01 -----	21.77
28S 13W 02DDC 01 -----	14.69	25S 09W 30DDA 01 -----	18.00
28S 13W 17AAA 01 -----	74.43	25S 10W 14BBB 01 -----	30.30
28S 13W 26DCB 01 -----	95.02	25S 10W 19ABD 01 -----	38.25
28S 14W 14CCC 01 -----	83.57	26S 06W 13BAB 01 -----	7.80
28S 15W 23CCD 01 -----	112.40	26S 07W 12DCC 02 -----	37.56
29S 11W 29AAD 01 -----	66.99	26S 08W 06DCC 01 -----	6.29
29S 12W 20CCD 01 -----	99.92	26S 08W 30DBB 01 -----	42.57
29S 13W 12ABB 01 -----	75.53	26S 09W 18AAA 01 -----	8.17
29S 13W 31CAA 01 -----	36.56	26S 09W 31DCC 01 -----	58.02 * 58.31
		26S 09W 34DBD 01 -----	27.13
		26S 10W 18CDC 01 -----	28.37
		26S 10W 32BBD 02 -----	30.72

Well ID	Level	Well ID	Level
RICE COUNTY		20S 34W 15BAA 01	103.54
19S 10W 07DDB 01	9.36	20S 34W 36CCD 01	68.76
19S 10W 36CDC 01	12.59	SEDGWICK COUNTY	
20S 08W 22AAA 01	14.08	25S 01W 07ABD 01	14.00
20S 09W 28ACD 01	19.59	25S 01W 28DBA 01	11.67
20S 10W 27BBB 01	34.06	25S 02W 22BBB 01	6.78
21S 07W 26CCA 01	12.81	25S 02W 23DBD 02	10.31
21S 08W 09CBD 01	11.65	25S 03W 03DDD 01	9.50
21S 08W 25ABB 01	5.26	25S 03W 15CCC 01	18.55
21S 08W 32DBB 01	7.69	26S 01W 12BAD 01	14.29
21S 09W 02DDA 01	13.33	26S 01W 19ABA 01	6.28
21S 10W 07CCA 01	5.55	26S 02W 08AAB 01	29.08
ROOKS COUNTY		26S 02W 29AAA 01	21.49
06S 19W 17BBB 01	16.00	26S 03W 02AAC 01	16.91
07S 17W 14CDD 01	15.77	SHERIDAN COUNTY	
09S 17W 33BBC 01	33.97	06S 26W 26CBB 01	171.89
09S 19W 32DDD 01	29.86	06S 27W 05CBB 01	111.14
09S 20W 32AAA 01	40.61	06S 27W 08DCA 01	20.23
09S 20W 34AAD 01	55.99	06S 27W 19ADC 01	41.30
SCOTT COUNTY		06S 27W 25ABA 01	166.86
16S 31W 31BCB 01	139.78	06S 28W 21BCD 01	122.83
16S 32W 16BCA 01	154.80	06S 28W 28CDA 01	55.64
16S 33W 19BBC 01	167.96	06S 29W 10DBC 01	138.23
16S 33W 33BAA 01	164.92	06S 29W 24ABB 01	121.40
16S 34W 13BBB 01	168.82	06S 30W 13BAA 01	136.97
16S 34W 29CBB 01	180.70	06S 30W 14CCD 01	120.48
17S 31W 04DCC 01	138.48	07S 26W 12BDB 01	104.55
17S 31W 19CDA 01	149.28	07S 26W 19BBC 01	134.10
17S 31W 35CCB 01	107.16	07S 26W 28CAB 01	161.71
17S 32W 16BBB 01	176.05	07S 27W 07A 01	175.86
17S 32W 27BBB 01	162.33	07S 27W 22DAC 01	126.85
17S 33W 07BBA 01	161.34	07S 28W 08DCC 01	190.82
17S 33W 14ACB 01	161.74	07S 28W 36ABA 01	158.30
17S 34W 16ACB 02	148.50	07S 29W 05BBB 01	131.07
17S 34W 25DBB 02	149.36	07S 29W 27CCC 01	216.45
18S 31W 24BCB 01	70.02	07S 29W 30ABA 01	193.16
18S 32W 14BBB 01	125.26	07S 30W 08CBB 01	124.68
18S 32W 17ABA 02	145.59	07S 30W 27DDD 01	192.83
18S 33W 01AAA 01	139.74	08S 26W 14DAA 01	15.30
18S 33W 03CCB 01	139.26	08S 26W 16CDD 01	37.12
18S 33W 25BBB 01	136.204	08S 27W 11DCD 01	12.93
18S 34W 25BBD 01	133.63	08S 27W 18DAA 01	18.28
18S 34W 34BBC 01	113.92	08S 27W 33BBD 01	20.61
19S 31W 17ADA 01	72.80	08S 27W 35CBB 01	130.28
19S 32W 06CCB 01	89.47	08S 28W 11DAA 01	109.40
19S 32W 16BCD 01	66.46	08S 28W 16AAC 01	117.59
19S 32W 32ACB 01	100.06	08S 28W 17BDA 01	139.40
19S 33W 06DBB 01	62.50	08S 29W 01BDD 01	183.28
19S 33W 15DBD 01	134.94	08S 30W 05CDD 01	202.19
19S 33W 29CBB 03	119.47	08S 30W 11CBC 01	223.11
19S 34W 19DCCC01	128.00	08S 30W 13ADA 01	188.15
20S 31W 15DAB 01	20.83	08S 30W 30AAB 01	171.18
20S 32W 30BCD 01	134.41	09S 26W 22BBB 01	137.64
20S 33W 09BBB 01	105.17	09S 26W 32BCD 01	90.44
20S 33W 21ABA 01	135.89	09S 27W 12CCC 01	111.59
20S 33W 36CAD 01	124.70	09S 27W 20CBD 01	147.21
		09S 27W 31ABB 01	98.23

Well ID	Level
09S 28W 04BCC 01	32.79
09S 28W 15CBA 01	172.69
09S 29W 03AAA 01	127.68
09S 29W 17BAB 01	126.01
09S 30W 09CAA 01	158.75
09S 30W 35BBB 01	163.27
10S 26W 12AAD 01	24.69
10S 27W 20CBC 02	24.82
10S 27W 22DBA 01	22.47
10S 28W 05DDB 01	122.77
10S 29W 02DDD 01	96.63
10S 29W 20CAA 01	74.49
10S 30W 08DDD 01	107.79
10S 30W 12ADA 01	112.33

STAFFORD COUNTY

21S 11W 07BBB 01	17.63
21S 12W 06CCB 02	26.38
21S 13W 27DDD 02	12.86
21S 14W 22AAC 02	25.68
21S 14W 32BAC 02	34.40
22S 11W 07BBB 01	4.14
22S 12W 05BBD 01	23.28
22S 12W 36BBB 02	5.49
22S 13W 12CAC 02	20.98
22S 13W 29DAD 01	21.75
22S 14W 14CCA 01	29.21
22S 14W 35DDB 01	33.45
23S 11W 22BCC 01	26.45
23S 11W 36CCA 01	20.28
23S 12W 07DBD 02	8.65
23S 12W 22BCC 01	13.58
23S 12W 36BBC 01	17.80
23S 13W 08CCB 01	15.63
23S 13W 30CBB 01	14.15
23S 13W 35CCA 01	22.98
23S 14W 15ADD 01	14.85
24S 11W 17DDB 01	21.90
24S 12W 04CDB 01	22.88

Well ID	Level
24S 12W 17CAB 01	29.84
24S 12W 34ABC 01	23.53
24S 13W 16ACA 01	24.39
24S 13W 20CDD 01	25.89
24S 13W 36DDD 01	25.84
24S 14W 17AAC 02	34.54
24S 14W 31BBD 01	22.86
24S 15W 10BAB 01	30.58
24S 15W 32DBC 01	30.08
25S 11W 23DDD 01	21.00
25S 12W 11AAA 01	17.70
25S 12W 24DDB 01	17.11
25S 13W 16AAC 01	34.10
25S 13W 31DDA 01	27.57
25S 13W 36DCC 01	19.09
25S 14W 04AAD 01	14.83
25S 14W 30CDB 01	19.06
25S 15W 29BBD 01	15.04

TREGO COUNTY

11S 21W 29DDD 01	95.90
11S 21W 33DAA 01	70.17
11S 22W 34AAA 01	82.24
11S 24W 20CCC 01	62.41
12S 21W 05AAA 01	92.47
12S 21W 05DDD 01	77.55
12S 21W 06CBB 01	96.70
12S 21W 08DDD 01	37.54
12S 22W 08BAB 01	86.87
12S 22W 19CBB 01	90.18
12S 22W 23ABC 01	78.00
12S 23W 20CCC 01	17.77
12S 24W 21DDD 01	16.38
13S 23W 24AAB 01	28.72
14S 25W 13ABC 01	15.34

END APPENDIX B