

2010 Water Level Data Acquisition Statistics

Brett Bennett and Mary Brohammer
Exploration Services Section
Kansas Geological Survey
1930 Constant Avenue
Lawrence, Kansas 66047

The 2010 Water Level data were published on the Web and not in paper form. You can search for specific wells on the Kansas Geological Survey website at www.kgs.ku.edu/Magellan/WaterLevels/index.html

2010 Water Level Data Acquisition Statistics

Summary

The field-measurement phase of the 2010 annual cooperative water-level measurement program was successfully completed by both the Kansas Geological Survey (KGS) and the Division of Water Resources (DWR), Kansas Department of Agriculture, prior to March 1, 2010. 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 95.9% of the 1,406 network wells in 2010. The KGS measured 501 wells and the three DWR offices (Garden City, Stafford, and Stockton) measured 905 wells. Data acquisition by KGS staff was completed in January.

Based on spatial analysis of the 2009 annual network-well distribution, 12 locations were identified that required additional water-level data to permit continuous and uniform sampling of the High Plains aquifer. Wells were identified in these locations with sufficient construction and historical information and landowner cooperation to attempt a water-level measurement. Of the 12 wells, all 12 were actually measured. These 12 provisional wells were incorporated into the network for 2011 and will be measured in all future measurement campaigns unless the wells become unreliable or are plugged. Yearly geostatistical studies will define undersampled areas and will be used to select optimum locations for replacement wells to eliminate extraneous holes in the hexagonal network.

January 2010 Acquisition	KGS	DWR	Total
Number of network wells in 2010	501	905	1,406
Number of counties	14	33	47
2010 provisional (new) wells	6	6	12
# provisional wells measured	6	5	11
# wells successfully measured	482	878	1,360
# wells MIA	19	33	52
# QA wells (KGS only)	50		
# wells targeted for removal	3	7	10

KGS Field Crew, January 2010

Joe Anderson, Brett Bennett, Nathan Corbin, Ed Reboulet, Justin Schwarzer, Brett Wedel, Tony Wedel, and Brownie Wilson

Wells Measured in 2010

Type of Well	KGS	DWR	Total
Irrigation	410	643	1,053
Unused (monitor or abandoned)	64	190	254
Stock	16	58	328
Household	6	9	15
Depth to Water			
Less than 100 ft	98	559	657
100 to 200 ft	245	235	480
200 to 300 ft	131	54	185
More than 300 ft	8	30	38
Drill Depth of Well			
Unknown	67	141	208
Less than 100 ft	44	278	322
100 to 200 ft	99	255	354
200 to 300 ft	140	127	267
300 to 400 ft	82	42	124
More than 400 ft	69	68	137
Measurement Characteristics			
Oil on the water	54 (10.8%)	93 (10.2%)	147 (10.4%)
Difficult measurement (restrictions, snags, catches)	19 (3.8%)	50 (5.5%)	69 (4.9%)

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

Wells Measured Only	KGS	DWR	Total
Once	462	836	1,298
Twice	20	42	62
Three times	0	0	0
Four times	0	0	0
Total Measurements			
Primary, QA, and QC	502	920	1,422
Measurements Judged			
Excellent	426	640	1,066
Good	48	231	279
Fair	9	8	17

2010 Provisional Wells

KGS (6 new wells—6 measured)

09S 33W 10BAD 01	Thomas
09S 39W 19CCC 02	Sherman
16S 35W 18CBB 01	Wichita
16S 42W 12CAA 01	Greeley
32S 29W 22DCC 01	Meade
27S 40W 10CAA 01	Stanton

DWR (6 new wells—5 measured)

16S 34W 13BBB 01	Scott
18S 29W 23DBC 01	Lane
20S 22W 20CCC 04	Ness
23S 16W 11CDC 02	Pawnee
23S 33W 26ABB 02	Finney
27S 31W 18BAB 01	Haskell

Wells Tagged in 2010 for Removal from the Network and Reason

KGS (3 wells)

07S 42W 17CCC 01	Sherman	Well is gone
08S 42W 31DCD 01	Sherman	Underground pipe joint broken; unable to measure
24S 40W 17BBB 01	Hamilton	MP full of mud and grease, UTM for three years

DWR (7 wells)

11S 22W 19ADD 01	Trego	Unmeasurable for three years
07S 28W 21ABB 01	Sheridan	Pipe is gone
25S 12W 16DCA 01	Stafford	Unmeasurable for three years
25S 14W 21DDB 01	Stafford	Clogged, no alternate MP
27S 07W 23BCC 01	Kingman	Well has been removed
27S 14W 21CAB 01	Pratt	Well is plugged
29S 33W 34DDD 01	Haskell	Dry well

Appendices

The two appendices to this report are summary tables.

Appendix A Contains a summary of information for all wells measured by KGS. This appendix includes only county, well legal description (ID), and 2010 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 DWR. This appendix includes only county, well legal description (ID), and 2010 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. Just the Township-Range-Section identifier and the water level for each well measured are also provided in tabular form at www.kgs.ku.edu/Hydro/Levels/index.html.

APPENDIX A
Water Levels in Wells Measured by KGS by County, 2010
Including Provisional Wells (PROV) and Quality Assurance Measurements (QA)

Well ID	Level	QA Meas	Well ID	Level	QA Meas
CHEYENNE COUNTY			16S 42W 25AAA 01	198.13	
01S 38W 02CDC 01	27.20		17S 39W 02BAA 01	131.36	
01S 38W 08DCC 01	13.77		17S 39W 22ABB 01	143.06	
01S 38W 30CAB 01	10.93		17S 40W 15CCB 01	149.14	
01S 39W 25CBC 01	8.68		17S 40W 17BBA 01	189.68	
02S 37W 17CDD 01	214.40		17S 40W 31BBA 01	167.12	
02S 37W 33DCC 01	217.35		17S 42W 28DAB 01	26.46	
02S 38W 27DAD 01	229.82		18S 39W 07BBD 01	116.56	
02S 39W 26DAA 01	84.10		18S 39W 19CDA 01	77.25	
02S 40W 28DBA 01	109.45		18S 39W 24AAC 01	143.44	
02S 40W 32BCB 01	129.30		HAMILTON COUNTY		
02S 41W 27BBD 01	199.81		21S 39W 07CBA 01	182.75	
02S 41W 33DBC 01	UTM		23S 42W 19CBB 01	24.50	
03S 37W 19BBC 01	236.25		23S 42W 26DCA 02	24.88	
03S 37W 21DDD 01	228.34		23S 42W 27DDB 01	21.97	* 27.97
03S 37W 36ADB 01	217.56		23S 42W 34CBB 01	10.56	
03S 38W 04BCC 01	217.90		23S 43W 21ABA 03	13.98	
03S 38W 21BCB 01	245.77		23S 43W 23BCB 01	20.74	
03S 38W 25BBB 01	232.23		23S 43W 25CBD 03	7.96	
03S 39W 04CCC 01	65.63		23S 43W 26BCC 01	6.95	
03S 39W 20DAC 01	143.62		24S 39W 19CBC 01	8.95	* 8.90
03S 39W 24DDD 01	229.11		24S 39W 22CCB 01	11.63	
03S 39W 32BDB 01	159.89		24S 39W 35BAC 01	8.45	
03S 40W 29ABC 02	9.73		24S 39W 35CBA 01	16.50	
03S 40W 35AAC 01	101.59	* 101.60	24S 40W 07CBB 01	14.49	
03S 41W 33ABB 01	158.28		24S 40W 17BBB 01	13.94	
04S 37W 17AAC 01	205.68		24S 40W 23AAB 01	25.90	
04S 37W 25DCA 01	165.30		24S 40W 31BBB 01	61.73	
04S 38W 04BAC 01	227.85	* 227.89	24S 41W 01DAD 01	24.51	
04S 38W 20CCC 01	166.24		24S 42W 28DDD 01	UTM	
04S 38W 21ADC 01	194.76		25S 39W 02CAD 01	30.99	
04S 39W 15CCA 01	146.99		25S 39W 23BDD 01	85.65	
04S 41W 16DAA 01	16.91		25S 40W 01CA 01	49.11	
04S 41W 23AAA 01	124.85		25S 40W 26BBB 01	231.68	
04S 41W 25BCB 02	149.01		25S 43W 03ABB 01	272.67	
04S 42W 02BCC 01	214.93		25S 43W 25CCD 01	192.12	
04S 42W 16CCD 01	93.77		26S 41W 20BCD 01	60.04	
05S 37W 15DBB 01	154.88	* 154.81	26S 41W 32DAC 01	223.69	
05S 38W 13BAD 01	85.14		26S 42W 10BBB 04	173.72	
05S 38W 22ACB 01	106.68		26S 42W 17CBB 01	241.37	
05S 39W 06DAA 01	222.38		26S 42W 22DCC 02	241.71	
05S 39W 11CBC 01	163.73		26S 43W 25DCC 01	274.13	
05S 39W 25CDA 01	141.71		LOGAN COUNTY		
05S 40W 14BCD 01	238.06		11S 32W 01BCC 01	117.89	
05S 40W 18ADB 01	241.62		11S 32W 19AAB 01	106.12	
05S 40W 27BBA 01	225.23		11S 32W 31CCD 01	65.31	
05S 41W 34CBB 01	208.99	* 209.02	11S 32W 36ABA 01	95.45	
05S 42W 04AAB 01	17.33		11S 33W 10BDD 01	118.75	
05S 42W 14DCC 01	140.97		11S 33W 14DCC 01	134.27	
GREELEY COUNTY			11S 34W 13AAB 01	143.39	* 143.92
16S 39W 02BDC 01	172.00		11S 34W 16CDB 01	119.17	
16S 40W 15ACC 01	172.22		11S 34W 33DDC 01	137.72	
16S 40W 17CBC 01	187.30		12S 32W 16ACA 01	26.80	
16S 40W 26ADA 01	128.57		12S 32W 35DAA 01	26.00	
16S 41W 11CCB 01	197.86		13S 36W 20CCB 01	9.00	
16S 42W 12CAA 01	231.04				
16S 42W 22BCB 01	205.60				

Well ID	Level	QA Meas	Well ID	Level	QA Meas
MEADE COUNTY			34S 42W 22CDB 01	-----	83.72
30S 26W 04CBB 02	-----	105.88	34S 43W 08DCA 01	-----	128.95
30S 26W 32DDD 01	-----	24.81	35S 39W 06CDD 01	-----	245.58
30S 27W 20ABA 01	-----	111.58	35S 40W 03BBB 03	-----	191.68
30S 27W 23ABB 01	-----	94.36	35S 41W 16CCD 01	-----	219.69
30S 27W 27BBB 01	-----	73.05	35S 42W 16DCC 01	-----	247.36
30S 28W 17ABB 01	-----	201.24	35S 43W 04AAC 01	-----	111.86
30S 29W 28BBB 01	-----	224.71	35S 43W 13BDB 01	-----	227.20
30S 30W 04DBB 01	-----	262.14	RAWLINS COUNTY		
30S 30W 28ABB 01	-----	252.41	01S 33W 24DADD01	-----	199.42
31S 26W 30BBB 01	-----	108.53	01S 33W 29CCC 01	-----	109.11
31S 27W 20AAA 02	-----	81.27	01S 35W 24CCA 01	-----	117.67
31S 28W 02CCC 01	-----	165.71	02S 31W 03CAD 01	-----	17.47
31S 28W 10BCB 02	-----	179.69	02S 32W 13ACAA01	-----	15.06
31S 28W 26ABB 01	--QA-	79.73 *	02S 32W 20DCD 01	-----	15.91
31S 29W 02DBB 01	-----	219.07	02S 33W 26DCC 01	-----	28.04
31S 29W 25AAA 02	--QA--	UTM *	02S 35W 13ABB 01	-----	165.81
31S 29W 30AAA 01	-----	213.28	02S 35W 32DAAB01	-----	123.82
31S 30W 16BCD 01	--QA--	258.96 *	02S 36W 11BBCC01	-----	191.46
32S 28W 04ADD 01	-----	90.22	02S 36W 36BAA 01	--QA--	177.89 *
32S 29W 22DCC 01	PROV10	181.69	03S 31W 07CBD 01	-----	142.14
32S 30W 09CCC 01	-----	242.79	03S 33W 03DCC 02	-----	30.82
32S 30W 25A 02	-----	207.31	03S 33W 08CDC 01	--QA--	20.66 *
33S 28W 29BCB 01	-----	16.83	03S 34W 03ABB 01	-----	14.67
33S 29W 19D 01	-----	181.95	03S 34W 26BAC 01	-----	8.70
33S 29W 36AAB 01	--QA--	92.62 *	03S 35W 18CBB 01	--QA--	205.70 *
33S 30W 09C 01	-----	UTM	03S 35W 24CBB 01	-----	22.98
34S 28W 05BDA 01	-----	27.27	03S 36W 14CBB 01	-----	212.05
34S 29W 32BA 01	-----	159.34	03S 36W 17CCC 01	-----	222.15
34S 30W 22CBC 01	-----	218.13	03S 36W 21DBC 01	-----	211.94
35S 30W 10CDA 01	-----	30.20	04S 31W 16ABD 01	--QA--	8.12 *
MORTON COUNTY			04S 33W 10ABC 01	--QA--	139.77 *
31S 39W 18CCC 01	-----	233.45	04S 33W 14DAC 01	-----	16.62
31S 40W 11A 01	-----	234.86	04S 34W 08ABA 02	-----	18.81
31S 40W 29ABB 01	-----	193.82	04S 34W 33CBC 01	-----	117.30
31S 41W 07CDD 01	-----	134.05	04S 35W 09AB 01	--QA--	185.92 *
31S 41W 31CBC 01	-----	97.84	04S 35W 29DDD 01	-----	149.59
31S 42W 29AAB 01	-----	110.24	04S 36W 23CBB 01	-----	222.92
31S 43W 03CB 01	-----	63.45	04S 36W 23DCA 01	--QA--	220.00 *
31S 43W 14DDC 01	-----	76.36	05S 31W 10DDA 01	-----	39.88
32S 39W 06BBB 01	-----	228.68	05S 31W 20CCA 01	-----	33.28
32S 40W 07BDC 01	-----	119.66	05S 32W 14CDD 01	-----	127.46
32S 40W 21ADB 01	-----	189.98	05S 33W 29BDA 01	--QA--	23.27 *
32S 41W 15CDC 01	-----	27.86	05S 34W 01BBB 01	-----	110.43
32S 41W 35DCC 01	-----	179.23	05S 35W 11CCC 01	-----	148.50
32S 42W 26CDD 01	-----	159.59	05S 35W 30CBC 01	-----	177.27
32S 42W 32CAA 01	-----	45.47	05S 36W 21BCD 01	-----	23.60
32S 43W 08CBD 01	-----	116.43	SEWARD COUNTY		
32S 43W 28BBC 01	-----	81.17	31S 31W 03CCC 01	-----	268.28
33S 39W 04DBB 02	-----	125.69	31S 32W 01ABC 01	-----	280.64
33S 39W 16ABB 01	-----	93.82	31S 32W 28DCA 01	-----	267.96
33S 40W 27CCC 01	-----	83.64	31S 32W 31BBB 01	-----	255.87
33S 41W 03ADA 01	-----	165.71	31S 33W 06CBD 01	-----	296.15
33S 41W 33AAC 01	-----	62.40	31S 33W 20DBB 01	-----	254.25
33S 42W 21BCB 01	-----	96.98	31S 34W 30DBA 01	--QA--	263.07 *
33S 43W 09DBA 01	-----	104.01	32S 31W 03DAA 01	-----	252.59
34S 39W 06CCA 01	-----	128.01	32S 31W 08BBB 01	-----	256.84
34S 40W 16ABB 01	-----	152.28	32S 31W 26CAA 01	-----	263.30
34S 41W 06CCA 01	-----	41.49	32S 32W 14BBB 02	-----	267.74
34S 41W 26DCD 01	--QA--	159.05 *	32S 32W 19BAB 01	-----	253.90
34S 41W 28CBA 01	-----	123.45	32S 33W 32DBD 01	-----	198.09
34S 42W 05BDC 01	-----	40.56			

Well ID	Level	QA Meas	Well ID	Level	QA Meas	
32S 34W 10DAA 01	--QA--	272.34 *	272.72	09S 39W 02BAB 01	-----	197.09
32S 34W 32BBB 01	-----	237.28		09S 39W 10CCB 01	-----	166.48
33S 31W 09AAB 01	-----	232.95		09S 39W 19CCC 02	PROV10	161.09
33S 31W 20ACA 01	-----	UTM		09S 40W 13CDC 01	-----	185.19
33S 32W 02AAC 01	-----	241.33		09S 40W 29BBB 01	-----	188.29
33S 32W 28CDD 02	-----	65.41		09S 41W 05DCC 01	-----	202.02
33S 33W 12AAD 01	-----	32.28		09S 41W 14BBC 01	-----	217.13
33S 33W 20BCC 01	--QA--	227.89 *	227.90	09S 41W 34BAB 01	-----	181.68
33S 34W 17DCC 01	-----	200.18		09S 42W 14AAA 01	-----	208.21
34S 31W 01CAA 01	-----	238.62		09S 42W 35ABB 01	-----	189.59
34S 31W 30BBB 01	-----	221.52		10S 37W 23ABB 01	-----	207.35
34S 32W 29BAA 01	--QA--	195.24 *	195.22	10S 40W 10ADC 01	-----	24.91
34S 32W 35ADA 01	-----	202.77		10S 41W 15CAD 01	-----	40.69
34S 33W 07CCB 01	-----	180.96		10S 42W 20ABB 01	-----	146.16
34S 34W 16DAA 01	-----	220.06		10S 42W 24BAB 01	-----	116.16
35S 31W 10AAC 01	-----	203.55				
35S 32W 06CBB 01	-----	UTM		STANTON COUNTY		
35S 33W 16BCA 01	-----	154.68		27S 39W 27BBA 01	-----	266.46
35S 34W 10BBB 01	-----	134.74		27S 40W 10CAA 01	PROV10	183.76
				27S 40W 25CBC 01	-----	226.71
SHERMAN COUNTY				27S 41W 07DCC 01	-----	218.75
06S 37W 07BBA 01	-----	11.19		27S 41W 35CCC 01	-----	201.02
06S 37W 16CDD 01	-----	182.07		27S 42W 17CCC 01	-----	260.67
06S 37W 19ABB 01	-----	168.28		27S 43W 09CBB 01	--QA--	269.35 *
06S 38W 09ABD 01	-----	171.00		28S 39W 16CCC 01	-----	225.95
06S 38W 18DBD 01	-----	143.60		28S 39W 36ABB 02	-----	246.54
06S 40W 10AAC 01	-----	178.82		28S 40W 04CCC 01	-----	265.11
06S 40W 13CBC 01	-----	162.65		28S 40W 12DDD 02	--QA--	241.02 *
06S 40W 30DCC 01	-----	183.37		28S 41W 02CCC 01	-----	UTM
06S 41W 19DBD 01	-----	203.76		28S 41W 17CDD 01	-----	273.39
06S 41W 27DBD 01	--QA--	180.62 *	180.60	28S 41W 34BDD 01	-----	323.81
06S 42W 02AAA 01	-----	213.17		28S 42W 20BCC 01	-----	253.55
06S 42W 22DCC 01	-----	219.24		28S 42W 32BBB 01	-----	218.47
06S 42W 30ADA 01	--QA--	222.87 *	223.10	28S 43W 01BAA 01	-----	268.99
07S 37W 04BBC 01	-----	158.97		29S 39W 05CCC 01	PROV09/QA	279.28 *
07S 37W 05CCB 01	-----	159.00		29S 39W 21DBD 01	-----	260.01
07S 38W 28DAA 01	-----	161.72		29S 40W 06BCC 01	-----	350.72
07S 39W 01DCD 01	-----	144.76		29S 40W 28ABB 01	-----	319.49
07S 39W 09BBB 01	-----	128.67		29S 41W 14CDC 01	-----	312.88
07S 39W 24BAA 01	-----	163.98		29S 42W 08CDC 01	-----	185.17
07S 40W 06ADB 01	-----	182.95		29S 42W 27DAD 01	-----	235.10
07S 40W 29BBA 01	-----	157.09		29S 43W 21DCDD01	-----	101.15
07S 40W 35BBB 01	-----	143.29		29S 43W 33CDB 01	-----	130.64
07S 40W 36BAB 01	-----	149.99		30S 39W 23BBB 02	-----	265.75
07S 41W 07BCB 01	-----	218.49		30S 40W 12BBB 02	-----	328.19
07S 41W 28DBB 01	-----	147.55		30S 40W 33CCB 01	-----	196.87
07S 42W 07DAA 01	-----	208.62		30S 41W 13CCC 02	-----	199.05
07S 42W 27AAB 01	-----	186.30		30S 41W 23DDB 01	-----	196.51
08S 37W 03ADB 01	-----	173.34		30S 42W 16BDB 01	-----	178.44
08S 37W 21CCC 01	-----	156.83		30S 43W 34BBA 01	-----	78.05
08S 37W 32ABB 01	-----	116.06		30S 43W 36BB 01	-----	86.47
08S 38W 17CDD 01	-----	183.14				
08S 38W 24AAB 01	--QA--	137.20 *	136.88	STEVENS COUNTY		
08S 39W 15CCC 02	PROV09	183.88		31S 35W 21CCC 01	-----	339.54
08S 40W 12DBA 01	--QA--	182.77 *		31S 36W 02CDD 01	-----	202.13
08S 40W 17CDB 01	-----	154.38		31S 37W 09BBC 01	-----	291.65
08S 40W 25AAC 01	-----	195.40		31S 37W 13BDD 01	-----	292.03
08S 41W 17CBA 01	-----	166.87		31S 37W 22BCC 01	-----	306.90
08S 41W 25BBC 01	-----	140.74		31S 37W 30DDB 01	-----	326.64
08S 42W 15DDB 01	--QA--	151.47 *	151.40	31S 38W 17ADB 01	-----	276.68
08S 42W 31DCD 01	-----	UTM		31S 39W 03DCC 01	-----	220.45
09S 37W 07DDB 01	-----	95.08		31S 39W 25ABB 01	--QA--	203.68 *
09S 38W 13BCC 01	-----	82.28		32S 35W 08DDD 01	-----	214.09
09S 39W 01DBA 01	-----	163.19				

Well ID	Level	QA Meas	Well ID	Level	QA Meas
32S 35W 32DCD 01	-----	236.62	08S 34W 01BAC 01	-----	140.27
32S 36W 03DDC 01	--QA--	* 286.51	08S 34W 06CBC 01	-----	148.44
32S 36W 21AAC 01	-----	217.51	08S 34W 23CBD 01	-----	199.36
32S 37W 10DCC 01	-----	189.74	08S 34W 29CCC 01	-----	222.26
32S 37W 26BAC 01	--QA--	* 150.04	08S 35W 04CCC 01	-----	98.09
32S 38W 11CBB 01	-----	210.84	08S 36W 15CBB 01	-----	90.99
32S 39W 14DDD 01	-----	104.98	08S 36W 31BCD 01	-----	46.32
33S 35W 23CBB 01	--QA--	* 240.15	09S 31W 10BDD 01	-----	100.33
33S 36W 02CACC01	-----	249.87	09S 31W 17CCC 01	--QA--	* 103.88
33S 37W 17CCC 01	-----	169.07	09S 31W 36AAB 01	-----	158.00
33S 37W 28CAC 01	-----	176.48	09S 32W 03AAA 01	-----	110.23
33S 37W 35ACD 01	-----	213.34	09S 32W 27BCD 01	-----	136.49
33S 38W 06AAB 01	-----	100.39	09S 33W 10BAD 01	PROV10	144.10
33S 38W 10ACC 01	-----	208.13	09S 33W 33BBB 01	-----	212.42
33S 38W 33CAA 01	-----	245.38	09S 33W 35AAD 01	-----	184.18
34S 35W 10BCC 01	-----	284.91	09S 34W 12ADA 01	--QA--	* 189.15
34S 35W 26ACC 01	--QA--	* 241.25	09S 34W 17ABA 01	-----	163.94
34S 36W 10CAC 01	-----	233.97	09S 35W 20DCA 01	-----	130.97
34S 37W 27ACB 01	-----	174.07	10S 31W 26AAA 01	-----	15.10
34S 37W 29BBD 01	-----	219.31	10S 31W 29AAB 01	-----	97.42
34S 37W 35AAD 01	-----	167.80	10S 32W 11BAA 01	-----	134.07
34S 38W 02ADC 01	-----	224.18	10S 32W 29DCB 01	-----	107.67
34S 38W 21DCCB01	-----	285.09	10S 33W 06BBC 01	-----	202.12
34S 39W 15CAD 01	-----	159.58	10S 33W 11BAB 01	-----	173.44
35S 35W 15BCC 01	-----	178.31	10S 33W 19CBD 01	-----	107.80
35S 36W 01AAA 01	-----	193.44	10S 34W 12BCD 01	-----	177.38
35S 37W 16BCC 01	-----	202.74	10S 34W 29BEC 01	-----	111.57
35S 38W 07CCC 01	--QA--	*	10S 35W 09ABB 01	-----	109.55
			10S 36W 16CCC 01	-----	141.61
THOMAS COUNTY			WALLACE COUNTY		
06S 31W 03ADB 01	-----	118.69	11S 38W 35CCC 02	-----	123.79
06S 31W 14BCA 01	--QA--	* 95.16	11S 42W 08DDC 01	-----	118.86
06S 31W 19ABA 01	-----	123.88	11S 42W 10AAD 01	-----	135.09
06S 31W 33CCD 01	-----	45.80	13S 39W 33BBB 01	-----	26.87
06S 32W 12CBC 01	-----	121.40	13S 43W 36ABB 01	-----	222.03
06S 32W 29CDC 01	-----	130.55	14S 39W 28CAA 01	-----	161.13
06S 33W 02CDD 01	-----	124.61	14S 40W 14CCC 01	-----	130.89
06S 33W 07BBB 01	-----	143.54	14S 41W 22BBC 02	--QA--	* 186.26
06S 33W 23DDD 01	-----	16.12	14S 42W 10BAA 01	-----	242.22
06S 34W 11CDD 01	-----	170.04	14S 42W 13AAD 01	-----	220.80
06S 34W 17CBC 01	-----	165.51	14S 42W 32DBB 01	-----	234.15
06S 35W 02CDD 01	-----	136.66	15S 38W 05CCB 01	-----	111.66
06S 35W 26ACB 01	-----	168.45	15S 38W 14CCD 01	-----	116.66
06S 36W 01CAC 01	-----	178.67	15S 38W 21CCC 01	-----	168.24
06S 36W 07BBB 01	-----	193.28	15S 39W 02BCA 01	-----	162.16
06S 36W 11ACC 01	-----	188.29	15S 39W 06CBC 01	-----	189.18
06S 36W 30DCB 01	-----	169.62	15S 39W 08ACC 01	-----	189.43
06S 36W 34DDB 01	-----	114.47	15S 39W 26ACC 01	-----	187.98
07S 31W 01DCA 01	-----	134.28	15S 40W 03BAB 01	-----	168.23
07S 32W 07ACA 01	-----	88.93	15S 40W 09DCB 01	-----	184.47
07S 32W 13DBD 01	-----	129.88	15S 40W 22ADC 01	-----	172.80
07S 32W 33BCB 01	-----	134.34	15S 41W 09BDD 01	-----	190.15
07S 33W 07BDA 01	-----	165.68	15S 41W 27CBC 01	-----	225.09
07S 34W 08DDD 01	-----	53.18	15S 41W 36DDB 02	-----	184.39
07S 34W 25AAA 01	-----	125.57	15S 42W 32BDA 01	-----	246.22
07S 34W 26DBD 01	-----	129.83			
07S 35W 09CCC 01	-----	143.19	WICHITA COUNTY		
07S 36W 17CCC 01	-----	160.26	16S 35W 06AAB 01	-----	76.37
08S 31W 03CDD 01	-----	165.52	16S 35W 13CCC 01	-----	163.68
08S 31W 20CDD 01	-----	144.57	16S 35W 18CBB 01	PROV10	139.19
08S 32W 07BAA 01	-----	141.67	16S 36W 27BBB 02	-----	160.82
08S 32W 12DBC 01	--QA--	* 145.53	16S 36W 30CBC 01	-----	171.38
08S 32W 32DAA 01	-----	126.56			
08S 33W 34BBC 01	-----	171.80			

Well ID	Level	QA Meas	Well ID	Level	QA Meas
16S 36W 34CCC 02	-----	152.28	18S 35W 31DDD 01	--QA--	102.58 * 102.77
16S 37W 17BBB 01	-----	167.77	18S 36W 15DBD 01	-----	100.56
16S 37W 30BAB 01	-----	175.47	18S 37W 21BBB 01	-----	163.70
16S 38W 04ABC 01	--QA--	173.62 * 173.53	18S 37W 25ABC 01	-----	126.57
16S 38W 26BBB 01	-----	157.46	18S 38W 02BCC 01	--QA--	165.92 * 165.85
17S 35W 02ABC 01	-----	165.43	18S 38W 20ACC 02	-----	143.24
17S 35W 18DCC 01	-----	170.82	18S 38W 23BAB 01	-----	34.20
17S 35W 27CCC 01	-----	156.13	18S 38W 31DBC 01	-----	118.98
17S 35W 30CBB 02	-----	177.50	19S 35W 01ABB 01	--QA--	108.72 * 108.74
17S 36W 33BCB 01	-----	174.22	19S 35W 08BBB 01	-----	103.90
17S 37W 08BAA 02	-----	152.18	19S 36W 15BAA 01	-----	81.50
17S 37W 13CDD 01	-----	140.00	19S 37W 22AAB 01	--QA--	104.64 * 104.61
17S 37W 28CBC 01	--QA--	163.35 * 163.02	19S 38W 24DAB 01	-----	93.99
17S 37W 36BCC 01	-----	155.99	19S 38W 31CBC 01	-----	143.86
17S 38W 21BBB 01	-----	133.30	20S 36W 24ACC 01	-----	99.29
17S 38W 28CCC 01	-----	153.38	20S 38W 02ACA 01	-----	104.82
18S 35W 08BBC 02	-----	137.95	20S 38W 17CBD 01	-----	140.05
18S 35W 14DCD 01	-----	115.31			

END APPENDIX A

APPENDIX B
Water Levels in Wells Measured by DWR by County, 2010
Including Provisional Wells (PROV)

Well ID	Level	Well ID	Level
BARBER COUNTY		05S 27W 21CCA 01	99.59
30S 11W 11CCA 01	40.77	05S 28W 07BBC 01	15.61
30S 11W 17AAC 01	UTM	05S 28W 10BBB 01	8.12
30S 11W 33ADA 01	18.00	05S 28W 14ADD 01	130.14
30S 12W 04CCC 01	64.56	05S 28W 17DAC 01	95.90
		05S 29W 09CAB 01	72.09
		05S 29W 22CBB 01	11.26
		05S 30W 15CCB 01	90.28
		05S 30W 25BBC 01	114.47
		05S 30W 35BCB 01	119.37
BARTON COUNTY		EDWARDS COUNTY	
18S 14W 27CDD 01	35.19	24S 16W 12CBD 01	22.63
18S 15W 28CCC 03	10.20	24S 17W 20ADC 01	40.41
19S 11W 19BDD 01	19.47	24S 17W 24DDD 01	34.34
19S 11W 26BDA 01	13.00	24S 18W 13DAC 01	39.11
19S 12W 28DBC 02	14.72	24S 18W 17ABD 01	30.25
19S 13W 08BAD 01	14.44	24S 18W 28DAC 01	39.96
19S 13W 33DDB 01	9.36	24S 19W 34ADD 01	7.80
19S 14W 06BBB 02	12.10	25S 16W 02BBB 01	22.44
19S 14W 36BBC 01	9.43	25S 16W 27AAC 01	14.57
20S 11W 06CCC 01	8.96	25S 17W 01DAB 01	32.04
20S 11W 26AAC 01	7.61	25S 17W 17AAC 01	40.38
20S 12W 03DAC 01	5.95	25S 17W 31BBD 01	37.59
20S 12W 23CCA 01	7.67	25S 18W 09AAA 01	40.03
20S 13W 17DDC 01	10.84	25S 18W 20AAB 01	46.58
20S 13W 24DCB 01	14.27	25S 18W 33CDC 01	43.08
20S 13W 31D 01	19.07	25S 19W 08BDD 01	6.09
20S 14W 22CDC 01	14.42	25S 19W 26DDB 01	42.20
20S 15W 24DBD 01	11.07	25S 19W 31CAB 01	19.59
20S 15W 33ADD 01	15.34	25S 20W 03BCD 01	27.92
		25S 20W 34CCC 01	9.62
		26S 16W 10CCC 01	11.03
		26S 16W 18CAC 01	19.01
		26S 16W 31CCA 01	36.33
		26S 16W 34ABC 01	23.88
		26S 17W 14BAA 01	28.91
		26S 17W 33DDB 01	31.20
		26S 18W 15DCB 01	44.37
		26S 18W 31CCC 01	UTM
		26S 19W 16BCB 02	44.45
		26S 19W 31AAC 01	47.28
		26S 19W 34BBD 01	50.44
		26S 20W 20BBC 01	14.17
		ELLIS COUNTY	
		12S 20W 07ABA 01	30.78
		13S 18W 29CCC 01	21.04
		14S 18W 12AAD 01	25.41
		15S 18W 27CBC 02	12.95
		15S 19W 25CAB 01	15.68
		FINNEY COUNTY	
		21S 31W 26CCC 01	76.30
		21S 32W 20CBD 01	140.10
		21S 32W 26DAA 01	113.90
		21S 33W 29BBC 01	96.10
DECATUR COUNTY			
01S 27W 17ADA 01	90.34		
01S 27W 26BBA 01	30.78		
01S 28W 15BBC 01	151.59		
01S 29W 03DDB 01	29.15		
01S 29W 19BDD 01	20.24		
01S 30W 20CDC 01	77.32		
01S 30W 34DDD 01	36.92		
02S 26W 11BBA 01	77.20		
02S 26W 29BAD 01	154.63		
02S 28W 13ABA 01	29.01		
02S 29W 01DDD 01	150.59		
03S 26W 30CBB 02	117.55		
03S 28W 06DCB 01	31.26		
03S 28W 32BCA 01	123.28		
03S 29W 12BBA 01	19.69		
03S 29W 17DCB 01	21.19		
03S 29W 31DCC 01	27.81		
03S 30W 03CAB 01	90.87		
03S 30W 26BBB 01	13.19		
04S 26W 08DDD 01	28.09		
04S 26W 19DCA 01	13.91		
04S 27W 17DAC 01	95.48		
04S 27W 33BBB 01	17.40		
04S 28W 15AAA 01	84.61		
04S 28W 30DDD 01	86.64		
04S 30W 06CCC 02	15.81		
05S 26W 05ADD 01	120.29		
05S 26W 26DDA 01	20.92		
05S 26W 33DCC 01	16.66		

Well ID	Level
11S 30W 36CBB 01	103.66
11S 31W 12AAB 01	103.18
11S 31W 27ADC 01	54.74
11S 31W 35BDC 01	100.58
12S 26W 12BCC 01	33.93
12S 26W 24CBA 01	10.20
12S 27W 10CCB 01	74.89
12S 27W 14DDD 01	92.55
12S 28W 07DDD 01	47.99
12S 28W 13ABA 01	70.42
12S 29W 10BDBB01	90.56
12S 30W 13CCB 01	8.08
13S 26W 20CBC 01	13.25
13S 27W 16CA 02	18.28
13S 28W 14AC 01	21.58
13S 30W 08BDA 01	40.90
13S 31W 05CAB 01	40.13

GRAHAM COUNTY

06S 21W 19CDC 02	96.53
06S 21W 33DDD 01	25.98
06S 22W 19CCC 01	100.50
06S 23W 13BBB 01	46.75
06S 23W 17CCA 01	61.27
06S 24W 14AAA 01	108.97
06S 24W 28BAB 01	94.44
06S 25W 12CCC 01	141.25
06S 25W 28CBC 01	112.28
07S 22W 10BBC 01	8.22
07S 22W 19BBB 01	31.45
07S 23W 17BBD 01	97.02
07S 24W 08CBA 01	124.39
07S 25W 24BBB 01	86.19
07S 25W 33DDD 01	99.66
08S 21W 17ABB 01	22.33
08S 22W 18CDC 01	7.56
08S 24W 23ACC 01	33.98
08S 25W 24BAB 01	28.49
09S 21W 19AAB 01	18.20
09S 21W 34BAA 01	30.12
09S 22W 32ABAA01	46.20
09S 23W 26BAA 01	41.85
09S 24W 22BAA 01	87.00
09S 25W 05BBD 01	81.22
09S 25W 14DDD 01	85.52
09S 25W 29BBB 01	130.30
09S 25W 35ADD 01	91.55
10S 24W 10ADD 01	41.57
10S 24W 23DCC 01	5.22
10S 25W 22AAA 01	21.16

GRANT COUNTY

27S 35W 17ADD 01	334.91
27S 35W 25BDC 01	316.19
27S 36W 01ADB 01	308.44
27S 36W 21DCC 01	334.49
27S 37W 16AAD 01	247.64
27S 37W 21BDD 01	230.13
27S 38W 12ADC 01	210.17
27S 38W 21BCC 01	236.88
28S 35W 03DBB 01	338.19
28S 35W 36ABC 01	349.19
28S 36W 09B 01	321.33

Well ID	Level
28S 36W 18ABC 01	258.48
28S 36W 24AAD 01	358.15
28S 37W 02BBB 04	271.34
28S 37W 10ADB 01	251.43
28S 37W 33DDC 01	72.40
28S 38W 12BCB 02	255.16
28S 38W 33BDB 01	267.33
29S 35W 07CBD 01	261.78
29S 35W 24BAA 01	379.48
29S 36W 04BAC 01	291.70
29S 36W 19BCB 01	225.57
29S 36W 33ADB 01	264.68
29S 37W 29BBA 01	303.23
29S 38W 20CDC 01	236.40
30S 35W 02DBC 01	350.05
30S 35W 19BCD 01	269.35
30S 36W 01BBB 01	237.21
30S 36W 32BBC 01	247.67
30S 37W 03DBA 01	324.46
30S 37W 15CBB 01	264.76
30S 38W 13CCC 01	264.73
30S 38W 15DBC 01	230.73

GRAY COUNTY

24S 27W 08CCC 01	91.40
24S 27W 14ABB 01	67.02
24S 27W 29BCC 01	108.14
24S 27W 31CDD 01	110.80
24S 28W 28BBA 01	128.05
24S 28W 31DD 01	161.83
24S 29W 16DCA 01	133.82
24S 29W 18CCB 01	157.95
24S 30W 15CCC 02	175.02
25S 27W 33ABB 01	151.49
25S 29W 07BCB 01	186.96
25S 29W 14ABB 01	175.35
26S 27W 12CDD 01	65.08
26S 27W 27DCC 01	115.14
26S 28W 06DDB 02	35.70
26S 28W 10ACB 02	59.04
26S 29W 34C 01	187.35
26S 30W 01ABC 01	125.13
26S 30W 24DDD 01	162.83
27S 27W 07ADC 01	134.94
27S 27W 10CDB 01	174.82
27S 28W 05AAA 01	181.83
27S 28W 26ADD 01	203.97
27S 28W 26ADD 02	281.28
27S 28W 30CDD 01	156.69
27S 29W 27CAA 01	186.49
27S 30W 08BBA 01	164.21
27S 30W 23BBC 01	214.32
28S 27W 03BBB 01	207.70
28S 29W 16ACC 01	179.64
28S 29W 32CCA 01	158.39
28S 30W 17BBA 01	228.12
28S 30W 24BAB 01	UTM
29S 27W 30BCC 01	168.11
29S 28W 28CDC 01	167.72
29S 29W 27BCB 01	186.15
29S 30W 08CCB 01	235.46
29S 30W 22BBC 02	264.77

Well ID	Level	Well ID	Level
HARVEY COUNTY		24S 23W 03CCC 01	63.87
22S 01W 15AAD 01	3.13	24S 23W 06AAB 01	58.59
22S 02W 05CBD 01	50.62	24S 24W 02CCC 01	70.71
22S 02W 29BBA 01	21.73	24S 24W 20CCC 01	64.71
22S 03W 02DCD 01	37.05	24S 25W 22BAB 01	84.94
22S 03W 29BAD 01	10.29	KEARNY COUNTY	
22S 03W 35AAA 01	10.50	22S 35W 23CDD 01	130.64
23S 01W 28AAD 01	UTM	22S 37W 34BBC 01	134.37
23S 02W 22CCD 01	14.84	23S 35W 05ACC 01	148.41
23S 02W 34DCC 01	26.96	23S 35W 12CCC 02	153.96
23S 03W 06DDD 01	68.70	23S 35W 16BBC 01	134.79
23S 03W 14AAC 01	32.02	23S 35W 24BBB 02	144.20
23S 03W 32DCC 03	6.94	23S 35W 25BBB 03	114.63
24S 01W 05AAB 01	23.68	23S 36W 04CBB 01	142.47
24S 01W 19BCC 01	16.13	23S 36W 32BBB 01	244.28
24S 01W 22BCC 01	27.13	23S 36W 35BBB 01	216.53
24S 02W 28DDD 01	22.64	23S 37W 04ABC 01	189.85
24S 03W 15DAA 01	10.71	23S 38W 36BAA 03	234.84
HASKELL COUNTY		24S 35W 09CCC 02	51.15
27S 31W 18BAB 01	PROV10 236.91	24S 35W 24BCB 01	44.06
27S 31W 24CDC 02	231.95	24S 36W 23CBB 02	34.52
27S 31W 36BDC 01	262.20	25S 35W 02BAA 01	174.08
27S 32W 06CBB 01	276.34	25S 35W 04BDD 01	144.52
27S 32W 19CCD 01	304.70	25S 35W 26BBB 01	246.20
27S 33W 19CDB 01	PROV09 310.15	25S 36W 14B 01	129.70
27S 34W 16DDD 02	279.69	25S 36W 35CCA 01	179.05
27S 34W 28DAA 02	313.30	25S 37W 15ABA 02	7.61
28S 31W 35CCB 01	265.58	25S 38W 08CAA 01	44.48
28S 32W 17CDD 01	374.98	25S 38W 20ACC 01	68.78
28S 33W 07CBB 01	PROV09 404.15	26S 35W 04AAD 01	229.11
28S 33W 20ACD 01	398.76	26S 35W 29BBD 01	268.22
29S 31W 09CBB 01	293.26	26S 35W 36DDB 01	280.41
29S 31W 31BCB 01	307.54	26S 36W 21DDB 01	274.19
29S 32W 04AAA 01	329.64	26S 37W 06ACB 01	28.83
29S 32W 19CCC 01	383.68	26S 37W 23BBC 01	229.28
29S 33W 01AAB 01	387.48	KINGMAN COUNTY	
29S 33W 28BCB 02	368.68	27S 05W 33ABB 02	5.20
30S 31W 09CBB 01	291.06	27S 06W 12CCD 01	8.58
30S 32W 22BBB 01	326.58	27S 06W 16CCB 01	3.97
30S 32W 35BBA 01	289.02	27S 07W 03ADC 02	7.35
30S 33W 14CBD 01	358.06	27S 08W 14DDC 01	.54
30S 34W 05BBB 01	365.61	27S 08W 17DAB 01	36.59
30S 34W 15BAA 01	361.79	27S 08W 35CBC 01	20.99
30S 34W 31BDB 01	193.92	27S 10W 03DDD 01	52.68
HODGEMAN COUNTY		27S 10W 17DDD 01	64.38
22S 22W 13CCC 01	38.66	28S 07W 29CDD 01	22.43
22S 24W 14BBC 01	258.80	28S 07W 35CCD 01	18.71
22S 24W 15BDA 01	259.12	28S 08W 21BBB 01	2.35
22S 24W 26DDA 01	159.97	28S 08W 26ABC 01	UTM
22S 24W 35DAC 01	116.02	28S 09W 01BCC 01	7.12
23S 22W 07DAA 01	96.98	28S 09W 21AAA 01	27.80
23S 23W 04AAD 01	30.28	28S 09W 29CCC 01	32.06
23S 23W 04DCA 01	29.11	28S 09W 34AAB 01	41.92
23S 23W 12ABD 01	104.79	28S 10W 16BCB 01	49.52
23S 24W 11DAA 01	130.28	29S 08W 06DBC 01	PROV09 19.14
23S 26W 07CCC 01	329.62	29S 10W 19DDB 01	23.18
23S 26W 20CCC 01	43.90	30S 05W 12CCA 01	18.34
23S 26W 26AAD 01	68.31	30S 10W 05BBD 01	42.94
23S 26W 31CDD 01	68.22	30S 10W 13AAC 01	71.34
24S 21W 20CBB 01	71.98	30S 10W 28DAC 01	19.91

Well ID	Level
KIOWA COUNTY	
27S 16W 10BAC 01	32.04
27S 16W 19BBD 01	37.81
27S 16W 28CDD 01	70.32
27S 17W 21ADC 01	43.49
27S 18W 13AAA 01	34.12
27S 18W 18DDC 01	27.19
27S 18W 22ADC 01	33.73
27S 18W 35AAC 01	42.84
27S 20W 26ABD 02	52.21
27S 20W 32ABD 01	55.25
28S 16W 12BCA 01	108.75
28S 16W 17AAC 01	122.82
28S 16W 31DCA 01	73.06
28S 17W 01CAB 01	66.24
28S 17W 15DDB 01	102.25
28S 18W 19CCB 01	95.73
28S 18W 25CAC 01	113.61
28S 19W 10AAC 01	105.79
28S 19W 33CBD 01	137.67
28S 20W 12BBD 01	64.96
28S 20W 30ACA 01	47.92
29S 16W 02ADB 01	52.93
29S 17W 04ABC 01	53.91
29S 17W 12DAA 01	50.24
29S 18W 02ACC 01	145.85
29S 18W 07BBD 01	155.16
29S 19W 22BAA 01	157.61
29S 20W 11CDD 01	167.32
LANE COUNTY	
16S 29W 26CCD 01	111.60
16S 29W 33BAB 01	112.89
16S 30W 24DCC 01	123.36
16S 30W 29CDD 01	130.70
17S 27W 20CCC 01	101.21
17S 27W 26CCC 01	95.60
17S 28W 07BBB 01	105.11
17S 28W 15BBC 01	115.59
17S 28W 26ABB 01	107.15
17S 28W 34CBB 01	96.29
17S 29W 10BAC 01	118.35
17S 29W 36BAA 01	90.60
17S 30W 20BBB 01	116.17
18S 27W 13CCC 01	85.24
18S 28W 18ACC 01	61.33
18S 29W 04DDA 01	72.15
18S 29W 23DBC 01	13.06
18S 30W 02AAA 01	89.77
18S 30W 04BAB 01	81.33
18S 30W 23AAA 01	57.22
MCPHERSON COUNTY	
18S 03W 30CCC 01	114.40
18S 04W 21CCC 01	13.51
19S 01W 32DAC 01	UTM
19S 03W 16BCB 01	100.13
19S 04W 15AAC 01	87.48
20S 01W 22BBB 01	6.43
20S 03W 22DAA 01	44.78
20S 03W 30BBA 01	60.35
20S 04W 15BDD 01	58.85

Well ID	Level
20S 04W 27DBD 01	47.98
21S 02W 36ABD 01	10.44
21S 03W 06CBD 01	48.69
21S 03W 11AAC 01	40.57
21S 03W 33BBC 01	44.60
21S 04W 26CDC 03	32.12
NESS COUNTY	
16S 24W 15ABB 01	27.35
16S 26W 24DDA 01	60.12
18S 21W 25AAB 01	25.73
18S 21W 31CAA 01	27.12
18S 24W 36ADB 01	32.48
18S 25W 33BBC 01	19.47
18S 26W 06BAB 02	6.18
19S 23W 01CCB 01	90.20
19S 23W 08CBB 01	17.38
20S 22W 20CCC 04	PROV10 32.72
20S 22W 35BCC 01	31.30
20S 26W 07BDC 01	19.94
NORTON COUNTY	
01S 21W 08CCD 01	141.67
01S 21W 28CCD 01	84.88
01S 22W 33DCC 01	93.06
01S 24W 13BCB 01	112.15
01S 25W 25BBB 01	37.60
02S 21W 02DDB 01	17.13
02S 21W 18CAA 01	11.87
02S 21W 33CCC 01	87.35
02S 21W 36CAA 01	115.59
02S 22W 28DCC 01	30.36
02S 23W 05CCD 01	97.72
02S 23W 22AAA 01	71.38
02S 23W 36BAC 01	22.48
02S 25W 14AAA 01	133.73
02S 25W 35DAA 01	89.73
03S 21W 29DCC 01	104.00
03S 22W 27BBA 01	154.57
03S 25W 33AAD 01	29.41
04S 21W 35DDC 01	13.52
04S 23W 19DDB 01	132.28
04S 25W 28BAA 01	150.86
04S 25W 34CDC 01	87.79
05S 21W 25ADC 01	137.28
05S 22W 18CCD 01	8.76
05S 24W 14BDC 01	12.78
05S 24W 20CCC 01	10.79
05S 25W 28DCC 01	16.91
OSBORNE COUNTY	
06S 12W 23CDC 01	23.83
07S 12W 28ABA 01	32.70
07S 15W 10CCC 01	13.07
PAWNEE COUNTY	
21S 15W 11CBB 01	9.99
21S 15W 17CCC 01	13.64
21S 15W 31BAD 01	18.23
21S 16W 14ADC 01	14.12
21S 19W 27CCC 01	48.65

Well ID	Level	Well ID	Level
25S 07W 36CCC 01	27.79	18S 34W 05CBB 01	119.47
25S 09W 01DCD 01	11.52	18S 34W 25BBD 01	114.33
25S 09W 17B 01	16.55	18S 34W 34BBC 01	114.26
25S 09W 30DDA 01	16.72	19S 31W 17ADA 01	PROV09 72.70
25S 10W 14BBB 01	25.19	19S 32W 06CCB 01	85.66
25S 10W 19ABD 01	27.82	19S 32W 32ACB 01	90.98
26S 06W 13BAB 01	10.24	19S 33W 06DBB 01	61.89
26S 06W 34BBC 01	20.60	19S 33W 15DBD 01	118.60
26S 07W 12DCC 01	34.58	19S 33W 29CBB 02	114.53
26S 08W 06DCC 01	6.48	19S 34W 19DCCC01	128.79
26S 09W 18AAA 01	7.47	20S 31W 15DAB 01	PROV09 20.75
26S 09W 31DCC 01	54.24	20S 32W 30BCD 01	123.66
26S 09W 34DBD 01	25.07	20S 33W 09BBB 01	105.81
26S 10W 18CDC 01	25.73	20S 33W 21ABA 01	134.19
26S 10W 32BBD 01	28.28	20S 33W 36CAD 01	127.38
RICE COUNTY		20S 34W 15BAA 01	102.94
19S 10W 07DDB 01	7.27	20S 34W 36CCD 01	68.68
20S 08W 22AAA 01	12.53	SEDGWICK COUNTY	
20S 09W 12DDA 01	8.17	25S 01W 07ABD 01	19.91
20S 09W 28ACD 01	15.01	25S 01W 14DDD 01	13.03
20S 10W 27BBB 01	31.49	25S 01W 28DBA 01	12.34
21S 07W 04AAC 01	13.12	25S 02W 22BBB 01	6.59
21S 07W 26CBD 01	10.95	25S 02W 23DBD 02	12.01
21S 08W 09CBD 01	7.68	25S 03W 03DDD 01	10.64
21S 08W 25ABB 01	2.85	25S 03W 15CCC 01	18.20
21S 08W 32DBB 01	8.70	26S 01W 12BAD 01	15.27
21S 09W 02DDA 01	8.48	26S 01W 19ABA 01	6.37
21S 10W 16CDC 01	5.02	26S 02W 08AAB 01	27.64
ROOKS COUNTY		26S 02W 29AAA 01	20.69
06S 19W 17BBB 01	13.03	26S 03W 02AAC 01	16.67
07S 17W 14CDD 01	13.58	SHERIDAN COUNTY	
09S 17W 33BBC 01	32.23	06S 26W 26CBB 01	170.15
09S 19W 32DDD 01	28.24	06S 27W 05CBB 01	110.80
09S 20W 32AAA 01	40.03	06S 27W 08DCA 01	17.50
09S 20W 35CBB 01	31.62	06S 27W 19ADC 01	36.90
SCOTT COUNTY		06S 28W 21BCD 01	118.65
16S 31W 31BCB 01	138.49	06S 28W 28CDA 01	51.75
16S 32W 16BCA 01	156.09	06S 29W 10DBC 01	134.15
16S 33W 19BBC 01	165.01	06S 29W 24ABB 01	116.00
16S 33W 33BAA 01	161.20	06S 30W 13BAA 01	132.95
16S 34W 09CCB 01	163.82	06S 30W 14CCD 01	117.90
16S 34W 13BBB 01	PROV10 NMT	07S 26W 12BDB 01	102.45
16S 34W 29CBB 01	171.12	07S 26W 19BBC 01	130.45
17S 31W 04DCC 01	134.31	07S 26W 28CAB 01	158.20
17S 31W 19CDA 01	144.47	07S 27W 07A 01	171.60
17S 31W 35CCB 01	106.32	07S 27W 22DAC 01	121.85
17S 32W 16BBB 01	161.77	07S 28W 08DCC 01	184.60
17S 32W 27BBB 01	158.44	07S 28W 36ABA 01	UTM
17S 33W 07BBA 01	154.68	07S 29W 05BBB 01	124.70
17S 33W 14ACB 01	153.63	07S 29W 27CCC 01	210.19
17S 34W 16ACB 02	145.03	07S 29W 30ABA 01	186.21
17S 34W 25DBB 01	145.52	07S 30W 08CBB 01	117.07
18S 31W 24BCB 01	70.76	08S 26W 14DAA 01	9.46
18S 32W 14BBB 01	123.18	08S 26W 16CDD 01	36.90
18S 32W 17ABA 02	137.32	08S 27W 11DCD 01	11.60
18S 33W 01AAA 01	133.66	08S 27W 18DAA 01	14.86
18S 33W 03CCB 01	131.84	08S 27W 33BBD 01	18.56
18S 33W 05CCC 01	123.36	08S 27W 35CBB 01	126.45
18S 33W 25BBB 01	129.06	08S 28W 11DAA 01	104.80
		08S 28W 16AAC 01	111.55
		08S 28W 17BAD 01	138.83

Well ID	Level
08S 29W 01BDD 01	176.10
08S 30W 05CDD 01	193.74
08S 30W 11CBC 01	216.58
08S 30W 13DAA 01	176.09
08S 30W 30AAB 01	162.19
09S 26W 22BBB 01	135.60
09S 26W 32BCD 01	85.06
09S 27W 12CCC 01	108.25
09S 27W 20CBD 01	145.05
09S 27W 31ABB 01	94.76
09S 28W 04BCC 01	29.72
09S 28W 15CBA 01	169.37
09S 29W 03AAA 01	121.25
09S 29W 17BAB 01	119.95
09S 30W 35BBB 01	155.98
10S 26W 12AAD 01	22.70
10S 27W 20CBC 01	17.67
10S 27W 22DBA 01	18.45
10S 28W 05DDB 01	118.54
10S 29W 02DDD 01	90.40
10S 29W 20CAA 01	69.17
10S 30W 08DDD 01	102.50
10S 30W 12ADA 01	106.80

STAFFORD COUNTY

21S 11W 07BBB 01	11.11
21S 12W 06CCB 02	19.75
21S 13W 27DDD 02	6.63
21S 14W 22AAC 01	18.08
21S 14W 32BAC 01	28.98
22S 11W 07BBB 01	3.94
22S 12W 05BBD 01	13.33
22S 12W 30BBD 01	11.60
22S 12W 36BBB 02	2.73
22S 13W 12CAC 02	15.21
22S 13W 29DAD 01	12.42
22S 14W 14CCA 01	17.26
22S 14W 35DDB 01	25.38
23S 11W 02BBB 01	.39
23S 11W 22BCC 01	18.05
23S 11W 36CCA 01	11.02
23S 12W 07DBD 02	3.97
23S 12W 22BCC 01	8.51
23S 12W 36BBC 01	11.05
23S 13W 08CCB 01	8.79
23S 13W 30CBB 01	10.53

Well ID	Level
23S 13W 35CCA 01	13.51
23S 14W 15ADD 01	7.88
23S 14W 30BBB 01	39.40
24S 11W 17DDB 01	18.78
24S 12W 04CDB 01	13.42
24S 12W 17CAB 01	18.44
24S 12W 34ABC 01	14.30
24S 13W 16ACA 01	15.41
24S 13W 20CDD 01	17.67
24S 13W 36DDD 01	13.06
24S 14W 17AAC 01	30.37
24S 14W 31BBD 01	15.48
24S 15W 10BAB 01	27.48
24S 15W 32DBC 01	22.59
25S 11W 23DDD 01	13.96
25S 12W 11AAA 01	8.83
25S 12W 24DDB 01	10.37
25S 13W 16AAC 01	17.91
25S 13W 31DDA 01	14.62
25S 13W 36DCC 01	9.80
25S 14W 04AAD 01	11.05
25S 14W 30CDB 01	12.97
25S 15W 11BCB 01	9.62
25S 15W 29BBD 01	10.01

TREGO COUNTY

11S 21W 29DDD 01	90.59
11S 21W 33DAA 01	66.63
11S 22W 34AAA 01	81.70
11S 24W 20CCC 01	62.03
12S 21W 05AAA 01	87.34
12S 21W 05DDD 01	73.22
12S 21W 06CBB 01	93.45
12S 21W 08DDD 01	34.97
12S 21W 21ABB 01	UTM
12S 22W 08BAB 01	84.95
12S 22W 19CBB 01	88.27
12S 22W 23ABC 01	76.86
12S 23W 09CBB 01	67.90
12S 23W 11BBB 01	72.53
12S 23W 20CCC 01	17.13
12S 24W 21DDD 01	12.00
13S 23W 24AAB 01	26.23
14S 25W 13ABC 01	15.52

END APPENDIX B