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GROUND WATER LEVELS
in the
SOUTHERN HIGH PLAINS
DESIGNATED GROUND WATER BASIN
1992



COLORADO DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER

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WATER LEVELS IN THE SOUTHERN HIGH PLAINS
DESIGNATED GROUND WATER BASIN

1992

The purpose of this report is to furnish results of water-level measurements from monitoring wells in the Southern High Plains Designated Ground Water Basin made during the spring of 1992. The project is done in cooperation with local well owners and the Southern High Plains Ground Water Management District. Funding for this project is supplied in part from well permit fees collected and managed by the Colorado Division of Water Resources as a result of the passage of Senate Bill 200 during the 1987 legislative session. Well measurements were made by Mr. Lloyd Hershey of the Division.

During the well measuring period, 78 well site were visited and 68 wells measured. Ten wells were not measured due to pumping of the well. Measurements were made approximately one month later than last year due to scheduling problems. Wells measured are completed in either the Ogallala, Dakota, Cheyenne or Docum Aquifers or in some combination of aquifers. The aquifers are designated on hydrographs and data sheets as follows:

To	Ogallala Aquifer
Kd	Dakota Aquifer
Kc	Cheyenne Aquifer
TRd	Docum Aquifer

Of the wells measured both in 1991 and 1992, 28 showed water level rises; 29 showed water level decreases and two showed no change. The average change for all wells was a decline of 0.65 feet. Changes per aquifer or aquifer combination are as follows:

<u>AQUIFER</u>		<u>AQUIFER COMBINATIONS</u>	
Ogallala (To)	- 0.3 feet	Ogallala/Dakota (To,Kd)	- 2.1 feet
		Ogallala/Docum (To,TRd)	- 8.5 feet
Dakota (Kd)	+ 0.6 feet	Dakota/Cheyenne (Kd,Kc)	- 2.5 feet
Cheyenne (Kc)	+ 0.4 feet	Dakota/Cheyenne/Docum (Kd,Kc,TRd)	+ 2.3 feet
Docum (TRd)	- 0.4 feet		

Because we were unable to measure the wells at the same time as in the past, no analysis of water level changes will be made at this time. More detailed analyses will be made in future reports.

WATER LEVEL MEASUREMENTS
IN THE
SOUTHERN HIGH PLAINS, COLORADO
1992

WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC02404713ACB	T 24 S R 47 W 13	NWSWNE	COOK, J.J.	3890	110.00	04/24/64			Kd, Kc
					0.00	/ /			
					0.00	/ /			
					110.10	03/14/90		NEW IN 1990	
					0.00	/ /			
					114.40	04/04/92			
SC02504416ACC	T 25 S R 44 W 16	SWSWNE	DUVAL RANCHES INC	3900	100.00	04/01/69			Kd
					0.00	/ /			
					0.00	/ /			
					97.45	03/16/90		NEW IN 1990	
					0.00	/ /			
					97.95	04/06/92			
SC02604107CBB	T 26 S R 41 W 07	NWNWSW	BARTH, RBT. J.	3655	0.00	/ /			Kd, Kc, TRd
					0.00	/ /			
					0.00	/ /			
					295.50	03/12/90			
					0.00	/ /		Pumping in 91	
						04/05/92		PUMPING	
SC02604321ADA	T 26 S R 43 W 21	NESENE	FLETCHER, C.H.	3880	70.00	02/22/63	0.20		Kd, Kc
					0.00	/ /			
					0.00	/ /			
					107.68	03/16/90		NEW IN 1990	
					107.50	03/11/91			
					107.30	04/07/92			
SC02604323CCC	T 26 S R 43 W 23	SWSWSW	FLETCHER, C.H.	3870	210.00	05/28/65	-4.00		Kd, Kc
					0.00	/ /			
					0.00	/ /			
					191.00	03/16/90		NEW IN 1990	
					191.40	03/11/91			
					195.40	04/07/92			
SC02704220CCC	T 27 S R 42 W 20	SWSWSW	WEEKS RANCH	0	0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					167.20	04/05/92		IN 92	NEW
SC02704229BDA	T 27 S R 42 W 29	NESENW	WEEKS RANCHES INC.	3820	150.00	07/05/63			Kd, Kc, TRd
					0.00	/ /			
					0.00	/ /			
					169.60	03/31/90		NEW IN 1990	
					0.00	/ /			
						04/08/92		PUMPING	

WATER LEVEL MEASUREMENTS
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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC02704229CBB	T 27 S R 42 W 29	NNWWSW	WEEKS RANCHES INC.	3825	147.00	09/16/67			To
					0.00	/ /			
					0.00	/ /			
					162.48	03/19/90		NEW IN 1990	
					0.00	/ /			
			04/08/92		PUMPING				
SC02704502CAB	T 27 S R 45 W 02	NNNESW	BROWN,L,& K.	4140	83.00	12/21/70	2.90		Kd,Kc
					0.00	/ /			
					0.00	/ /			
					94.12	03/15/90		NEW IN 1990	
					93.80	03/11/91			
			90.90	04/07/92					
SC02704510ADA	T 27 S R 45 W 10	NESENE	BROWN,L.& K.	4160	203.00	01/15/77	-0.30		J,TRd
					0.00	/ /			
					0.00	/ /			
					206.84	03/15/90		NEW IN 1990	
					207.50	03/11/91			
			207.80	04/07/92					
SC02704607BCD	T 27 S R 46 W 07	SESWNW	EMICH,R.& H.	4360	180.00	10/21/71	-0.50		Kc
					0.00	/ /			
					0.00	/ /			
					241.83	03/26/90			
					240.50	03/11/91			
			241.00	04/10/92					
SC02704815CDD	T 27 S R 48 W 15	SESESW	FLOATING W RANCH	4600	45.00	10/01/68	-0.40		To
					0.00	/ /			
					0.00	/ /			
					57.10	03/27/90		NEW IN 1990	
					55.40	04/02/91			
			55.80	04/02/92					
SC02804304ADD	T 28 S R 43 W 04	SESENE	NUSSEER,D.	3940	0.00	/ /	-0.60		To
					0.00	/ /			
					0.00	/ /			
					210.76	03/21/90		NEW IN 1990	
					210.50	03/11/91			
			211.10	04/05/92					
SC02804304BDD	T 28 S R 43 W 04	SESENW	SCHNABEL,D.L.	3950	207.00	03/30/72	-1.30		To
					0.00	/ /			
					0.00	/ /			
					217.80	03/21/90		NEW IN 1990	
					217.20	03/11/90			
			218.50	04/05/92					

WATER LEVEL MEASUREMENTS
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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC02804308CDD	T 28 S R 43 W 08	SESESW	MEYERS,S.	3970	210.00	07/17/79			To,Kd,Kc
					0.00	/ /			
					0.00	/ /			
					201.45	03/20/90		NEW IN 1990	
					0.00	/ /		Pumping in 91	
					201.90	04/05/92			
SC02804321BDD	T 28 S R 43 W 21	SESESW	GRIFFIN,L.& OTHERS	3960	135.00	08/29/64	2.85		To,Kd
					0.00	/ /			
					0.00	/ /			
					187.63	03/20/90		NEW IN 1990	
					190.00	03/12/91			
					187.15	04/05/92			
SC02804329AAA	T 28 S R 43 W 29	NENENE	COGBURN,A.	3940	129.00	09/24/64	-7.00		To,Kd
					0.00	/ /			
					0.00	/ /			
					172.39	03/20/90		NEW IN 1990	
					165.00	03/12/91			
					172.00	04/07/92			
SC02804410AAA	T 28 S R 44 W 10	NENENE	COGBURN, B.	4057	212.70	02/17/84	-1.50		Kc
					208.50	03/01/88			
					210.25	03/15/89		NOT MEASURED IN 90	
					0.00	/ /			
					220.00	03/11/91			
					221.50	04/05/92			
SC02804501CC	T 28 S R 45 W 01	SWSW	Belin,Oscar & Alta	4185	295.00	04/24/64	6.80		Kd,TRd
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					280.00	03/12/91			
					273.20	04/07/92			
SC02804514CCC	T 28 S R 45 W 14	SWSWSW	AUSMUS,G.& S.	4205	205.00	03/23/64	-2.50		Kc
					0.00	/ /			
					0.00	/ /			
					234.46	03/21/90		NEW IN 1990	
					230.10	03/12/91			
					232.60	04/05/92			
SC02804524ADC	T 28 S R 45 W 14	SWSENE	AUSMUS,G.& S.	4150	190.00	04/23/65	-2.25		Kd,Kc,J,TRd
					0.00	/ /			
					0.00	/ /			
					241.83	03/21/90		NEW IN 1990	
					237.00	03/12/91			
					239.25	04/04/92			

WATER LEVEL MEASUREMENTS
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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC02804613BCC	T 28 S R 46 W 13	SWSWNW	KITZMILLER,K.& M.	4300	147.00	07/23/65	1.80	NEW IN 1990	Kc (?)
					0.00	/ /			
					0.00	/ /			
					168.81	03/26/90			
					170.00	03/12/91			
168.20	04/05/92								
SC02804616BCB	T 28 S R 46 W 16	NWSWNW	KITZMILLER,MARY F.	4385	80.00	08/22/63	2.10	NEW IN 1990	Kd
					0.00	/ /			
					0.00	/ /			
					160.95	03/26/90			
					162.40	03/12/91			
160.30	04/08/92								
SC02804918CBB	T 28 S R 49 W 18	NWNWSW	JAGGER,E.L.	4600	0.00	/ /	-0.20	NEW IN 1990	Kd
					230.00	04/30/88			
					0.00	/ /			
					169.00	03/26/90			
					167.80	04/02/91			
168.00	04/02/92								
SC02904315CCB	T 29 S R 43 W 15	NWSWSW	COMMERCE RANCH	3913	61.67	02/17/84	-2.30	NEW IN 1990	JTRd
					70.00	03/01/88			
					72.57	03/15/89			
					74.30	03/20/90			
					75.00	03/11/91			
77.30	04/07/92								
SC02904316BCB	T 29 S R 43 W 16	NWSWNW	COMMERCE RANCH	3939	10.00	01/01/51	-27.10	WELL #1 NEW IN 1990 RECENT PUMPING	Kd
					0.00	/ /			
					0.00	/ /			
					131.00	03/20/90			
					133.40	03/12/91			
160.50	04/07/92								
SC02904316CBB	T 29 S R 43 W 16	NWNWSW	COMMERCE RANCH	3936	10.00	01/01/51	-15.90	WELL #2 NEW IN 1990	Kd,Kc
					0.00	/ /			
					0.00	/ /			
					129.70	03/20/90			
					137.00	03/12/91			
152.90	04/07/92								
SC02904321BAD	T 29 S R 43 W 21	SENENW	COMMERCE RANCH	3915	93.00	04/16/73	-2.50	NEW IN 1990	Kd,Kc
					0.00	/ /			
					0.00	/ /			
					79.15	03/20/90			
					76.00	03/11/91			
78.50	04/07/92								

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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC02904331CCC	T 29 S R 43 W 31	SWSWSW	THOMPSON,H.J.	3964	55.00	04/20/60			Kd,Kc
					0.00	/ /			
					0.00	/ /			
					98.50	03/20/90		NEW IN 1990	
					117.50	03/13/91			
						04/07/92		PUMPING	
SC02904605BCB	T 29 S R 46 W 05	NWSWNW	WILSON,F.	4380	78.40	01/15/65	3.30		Kd
					0.00	/ /			
					7.00	03/15/89		NOT MEASURED IN 90	
					0.00	/ /			
					80.00	03/12/91			
					76.70	04/08/92			
SC02904607BBB	T 29 S R 46 W 07	NWNWNW	CHENOWETH,M.V.	4380	70.00	07/01/83	21.50		Kd
					0.00	/ /			
					0.00	/ /			
					87.92	03/22/90		NEW IN 1990	
					86.00	03/12/91			
					64.50	04/08/92			
SC02904828BBB	T 29 S R 48 W 28	NWNWNW	BANDER,M.R.	4675	135.00	05/05/55	0.10		Kd,Kc
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					139.00	04/02/91			
					138.90	04/08/92			
SC03004120CBB	T 30 S R 41 W 20	NWNWSW	DILLINGER, ARDEN	3684	76.60	01/24/67	-7.35		To
					86.40	03/03/88			
					0.00	/ /		NOT MEASURED IN 89	
					97.50	03/20/90			
					84.40	03/13/91			
					91.75	04/07/92			
SC03004217CCB	T 30 S R 42 W 17	NWSWNW	SPIRITUAL SC. CHURCH	3830	172.60	02/20/84	-5.20		Kc
					141.90	03/03/88			
					147.07	03/15/89			
					150.10	03/20/90			
					161.40	03/13/91			
					166.60	04/07/92			
SC03004309BBB	T 30 S R 43 W 09	NWNWNW	FARMERS HOME ADM.	3923	38.00	02/21/38			Kd,Kc,TRd
					0.00	/ /			
					0.00	/ /			
					123.50	03/20/90		NEW IN 1990	
					0.00	/ /		Did not measure in 91	
					132.80	04/07/92			

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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC03004513CCC	T 30 S R 45 W 13	SWSWSW	B & L FARMS	4149	239.60	02/09/84	1.00		Kc
					234.60	03/02/88			
					221.46	03/15/89			
					243.50	03/19/90			
					241.50	03/13/91			
					240.50	04/04/92			
SC03004302BCB	T 30 S R 46 W 17	NWSWNW	MUNDELL, J.	3864	150.00	12/30/64	-1.85		Kd
					0.00	/ /			
					0.00	/ /			
					50.30	03/20/90		NEW IN 1990	
					49.10	03/12/91			
					50.95	04/07/92			
SC03004625DAB2	T 30 S R 46 W 25	NNESE	WARD, H.	4238	70.00	02/21/84	7.00		Kd
					67.50	03/02/88			
					69.95	03/15/89			
					69.00	03/19/90			
					78.50	03/13/91			
					71.50	04/04/92			
SC03004631AC	T 30 S R 46 W 31	SWNE	TWN.OF SPRINGFIELD	4390	87.00	09/14/71			Kc
					0.00	/ /			
					0.00	/ /			
					104.00	06/20/90			Not
					0.00	/ /		measured in 91	
					100.40	04/10/92			
SC03004827ADD	T 30 S R 48 W 27	SESENE	MINNICK, W & E	4672	137.30	02/17/84	-0.40		Kd
					136.00	03/04/88			
					135.70	03/15/89			
					136.00	03/23/90			
					135.70	04/02/91			
					136.10	04/03/92			
SC03004911CBB	T 30 S R 49 W 11	NNWNW	JESSER, HARVEY	4788	0.00	/ /	1.00		Kc
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					146.00	04/02/91			
					145.00	04/02/92			
SC03004933BCB	T 30 S R 49 W 33	NWSWNW	DEEDS, GUY JR.	4870	80.00	03/20/68			Kd
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					88.30	04/03/91			

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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC03104117AAD	T 31 S R 41 W 17	SESENE	C.D.M. TRUST	3682	93.30	02/14/84	-11.90	PUMPING	To
					93.00	03/03/88			
					92.20	03/15/89			
					97.80	03/19/90			
					95.00	03/13/91			
					106.90	04/07/92			
SC03104333BAA	T 31 S R 43 W 33	NENENW	BURCHFIELD, W.K.	3920	116.80	02/21/84		NOT MEASURED IN 90 Pumping in 91 PUMPING	Kd,Kc,TRd
					113.00	03/02/88			
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
SC03104408CBA	T 31 S R 44 W 08	NENSW	COTTRELL, KEN	4098	77.40	02/09/84	-0.80	OIL ON WATER SURFACE	Kc
					75.40	03/02/88			
					77.00	03/15/89			
					82.30	03/19/90			
					77.30	03/13/91			
SC03104412CCC	T 31 S R 44 W 12	SWSWS	HEFLEY RANCH	4032	101.80	02/12/84		Pumping in 91 PUMPING	To
					105.00	03/02/88			
					106.58	03/15/89			
					106.80	03/19/90			
					0.00	/ /			
SC03104604BC	T 31 S R 46 W 04	SNNW	TWN.OF SPRINGFIELD	4403	85.00	02/25/65		Well #11 PUMPED IN LAST WEEK	Kd,Kc
					0.00	/ /			
					0.00	/ /			
					102.00	06/20/90			
					0.00	/ /			
SC03104821CAD	T 31 S R 48 W 21	SESEW	KIRKENDALL, RBT.	4738	125.00	03/16/67	3.40		Kd
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					99.80	04/03/91			
96.40	04/04/92								
SC03105006ADA	T 31 S R 50 W 06	NESENE	U.S. GOVERNMENT	5178	125.40	02/17/84	1.85		Kd
					126.00	03/04/88			
					125.90	03/15/89			
					126.30	03/23/90			
					127.95	04/03/91			
					126.10	04/03/92			

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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC03204105ABB	T 32 S R 41 W 05	NNWNE	HUME, J.	3681	30.00	05/17/73			TRd
					0.00	/ /			
					0.00	/ /			
					89.50	03/19/90		NEW IN 1990	
					90.00	03/13/91			
						04/07/92		PUMPING	
SC03204105BCC	T 32 S R 41 W 05	SWSNW	HUME, J.	3692	40.00	04/04/72			TRd
					0.00	/ /			
					0.00	/ /			
					101.00	03/20/90		NEW IN 1990	
					99.00	03/13/91		Oily water surface	
						04/07/92		PUMPING	
SC03204106ABC	T 32 S R 41 W 06	SNNNE	HUME, J.	3699	30.00	11/22/71			TRd
					0.00	/ /			
					0.00	/ /			
					95.00	03/19/90		NEW IN 1990	
					95.00	03/13/91			
						04/07/92		PUMPING	
SC03204235DCB	T 32 S R 42 W 35	NWSWE	COGBURN, A.	3759	110.00	02/04/71	-14.20		To, TRd
					0.00	/ /			
					0.00	/ /			
					147.00	03/20/90		NEW IN 1990	
					147.00	03/13/91			
					161.20	04/07/92		PUMPING TO NE	
SC03204408DCC	T 32 S R 44 W 08	SWSWE	BROOKS, R. & F.	4100	56.00	05/01/56	-2.50		Kd
					0.00	/ /			
					0.00	/ /			
					76.30	03/23/90		NEW IN 1990	
					75.30	03/12/91		Oily water surface	
					77.80	04/09/92			
SC03204609ADD	T 32 S R 46 W 09	SENEE	CRANE, W.	4404	110.00	03/27/68	3.00		Kd, Kc
					0.00	/ /			
					0.00	/ /			
					136.50	03/22/90		NEW IN 1990	
					139.80	03/14/91			
					136.80	04/19/92			
SC03204835BCC	T 32 S R 48 W 35	SWSNW	SCHALLER CHAS.	4663	0.00	/ /	2.50		Kc
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					265.50	04/03/91			
					263.00	04/03/92			

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WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC03304212CBB	T 33 S R 42 W 12	NNWSW	COGBURN,A.	3755	110.00	01/18/69	-2.75		To,TRd
					0.00	/ /			
					0.00	/ /			
					131.00	03/21/90		NEW IN 1990	
					129.50	03/13/91			
					132.25	04/07/92			
SC03304313DBB	T 33 S R 43 W 13	NNWSE	MIDWAY TRUST	3880	83.00	05/04/76	-5.60		TRd
					0.00	/ /			
					0.00	/ /			
					167.10	03/21/90		NEW IN 1990	
					164.90	03/13/91			
					170.50	04/07/92			
SC03304417CBA	T 33 S R 44 W 17	NENWSW	U.S.FOREST SERVICE	4130	0.00	/ /	0.35		Kd
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					134.20	03/13/91			
					133.85	04/09/92			
SC03304626BBB	T 33 S R 46 W 26	NNWNW	FARMERS HOME ADMTN.	4340	236.00	05/10/76	-0.60		Kc
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					252.80	03/14/91			
					253.40	04/04/92			
SC03304630BBB	T 33 S R 46 W 30	NNWNW	FARMERS HOME ADMST.	4435	175.00	02/27/76	-7.85		Kd,Kc
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					244.90	03/14/91			
					252.75	04/04/92			
SC03304909BCD	T 33 S R 49 W 09	SWSSE	U.S.FOREST SERVICE	4872	180.00	07/05/82	0.50		Kd
					0.00	/ /			
					0.00	/ /			
					0.00	/ /			
					196.20	04/03/91			
					195.70	04/03/92			
SC03305006CAD	T 33 S R 50 W 06	SENESEW	NEILL,H,& B.	5001	65.00	07/22/70	1.30		Kd,Kc
					0.00	/ /			
					0.00	/ /			
					60.75	03/21/90		NEW IN 1990	
					62.05	04/03/91			
					60.75	04/04/92			

WATER LEVEL MEASUREMENTS
IN THE
SOUTHERN HIGH PLAINS, COLORADO
1992

WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC03404205DAD	T 34 S R 42 W 05	SENESE	WRAY, P.&A.	3758	85.00	02/12/84	1.30		TRd
					85.30	03/03/88			
					85.22	03/15/89			
					85.70	03/21/90			
					86.30	03/13/91			
					85.00	04/07/92			
SC03404205ADA1	T 34 S R 42 W 05	NESENE	COLO.INTRST.GAS	3828	143.00	06/26/80	0.00	FLANK WELL 1	TRd
					0.00	/ /			
					0.00	/ /			
					145.00	03/06/90		NEW IN 1990	
					145.00	04/08/91			
					145.00	01/23/92			
SC03404205ADA2	T 34 S R 43 W 05	NESENE	COLO INTERST GAS	3826	153.00	06/30/80	0.00	FLANK WELL 2	TRd
					0.00	/ /			
					0.00	/ /			
					156.00	03/06/90		NEW IN 1990	
					155.00	04/08/91			
					155.00	01/23/92			
SC03404309DCC	T 34 S R 43 W 09	SWSWSE	ALLEY LAND & CATTLE	3965	100.00	05/25/61	1.40		TRd
					0.00	/ /			
					0.00	/ /			
					103.00	02/21/90		NEW IN 1990	
					105.00	03/13/91			
					103.60	04/07/92			
SC03404320CCC	T 34 S R 43 W 20	SWSWSW	ALLEY LAND & CATTLE	3863	87.00	12/05/66	3.10		TRd
					0.00	/ /			
					0.00	/ /			
					81.80	03/21/90		NEW IN 1990	
					83.10	03/13/91			
					80.00	04/09/92			
SC03404508BBB	T 34 S R 45 W 08	NNWNW	HUME, M.&L.	4273	232.60	02/12/84	11.00		To
					231.90	03/03/88			
					233.00	03/15/89			
					232.30	03/21/90			
					242.00	03/14/91			
					231.00	04/09/92			
SC03404715BAA	T 34 S R 47 W 15	NENENW	ROGERS,C.& V.	4483	308.00	11/03/71			Kc
					0.00	/ /			
					0.00	/ /			
					321.00	03/21/90		NEW IN 1990	
					299.50	03/14/91			
						04/04/92		PUMPING	

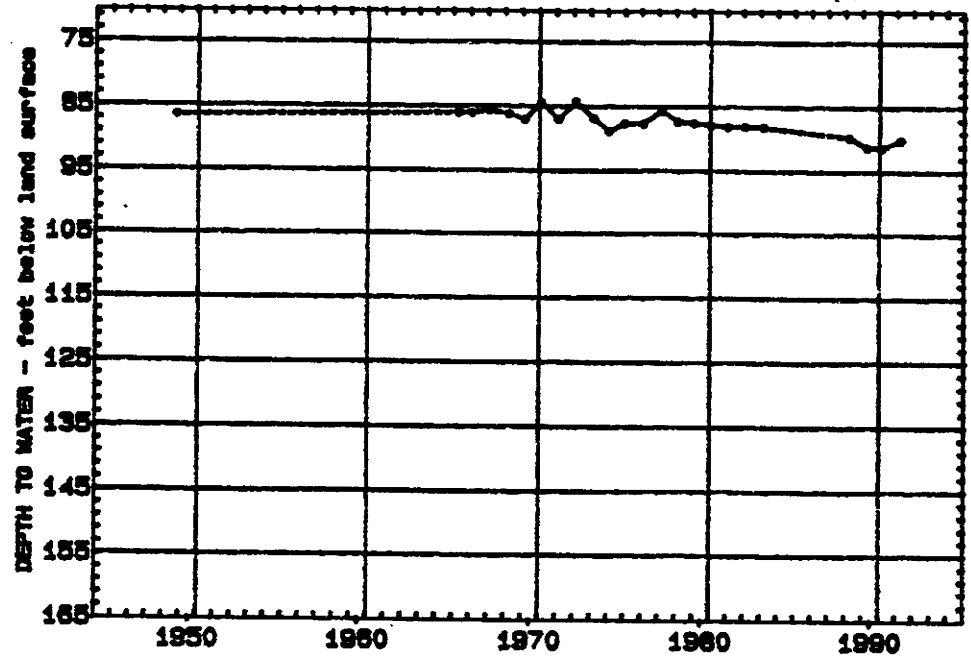
WATER LEVEL MEASUREMENTS
IN THE
SOUTHERN HIGH PLAINS, COLORADO
1992

WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV	WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER	
SC03404716CAC	T 34 S R 47 W 16	SWSNW	ROGERS,C.& V.	4494	280.00	03/24/64	8.80		Kc	
					0.00	/ /				
					0.00	/ /				
					288.10	02/21/90				NEW IN 1990
					286.20	03/14/91				
277.40	04/04/92	PUMPING								
SC03404808BCC	T 34 S R 48 W 08	SWSNW	US GOVERNMENT	4587	88.15	02/17/84	1.20		To	
					0.00	/ /				
					89.75	03/15/89				NEW IN 89
					91.20	03/21/90				
					91.30	03/03/91				
90.10	04/04/92									
SC03404826DDC	T 34 S R 48 W 26	SWSSE	USDA FOREST SERV.	4443	66.80	08/20/47	1.00		Kd	
					0.00	/ /				
					66.24	03/16/89				
					68.00	03/21/90				NEW IN 1990
					68.40	04/04/91				
67.40	04/04/92									
SC03504510BCB	T 35 S R 45 W 10	NWSNW	HALLENBACK, G.&M.	4103	155.20	02/12/84	-0.05		Kd	
					158.80	03/03/88				
					157.90	03/15/89				
					158.00	03/21/90				
					158.20	03/14/91				
158.25	04/09/92									
SC03504603CAA	T 35 S R 46 W 03	NESWS	DIXON, W.M.J.	4195	107.00	08/22/62	1.10		Kc	
					0.00	/ /				
					0.00	/ /				
					97.00	03/21/90				NEW IN 1990
					96.70	03/14/91				
95.60	04/14/92									
SC03505003AAC	T 35 S R 50 W 03	SWSNE	WELBORN,J.M.	4470	26.00	05/23/64	0.50		Gal + TRd	
					0.00	/ /				
					0.00	/ /				
					0.00	/ /				
					19.90	04/04/91				
19.40	04/03/92									
SC03505012BBA	T 35 S R 50 W 12	NENNW	WELBORN,J.M.	4411	17.00	07/23/61	-1.80	NORTHERN OF TWO WELLS	TRd	
					0.00	/ /				
					0.00	/ /				
					38.50	03/21/90				NEW IN 1990
					33.00	04/04/91				
34.80	04/03/92									

WATER LEVEL MEASUREMENTS
 IN THE
 SOUTHERN HIGH PLAINS, COLORADO
 1992

WELL NUMBER	TWNSHP RANGE	SEC QUARTER	WELL OWNER	ELEV WATER LEVEL	DATE	CHANGE 1991/92	REMARKS	AQUIFER
SC03505012BDB	T 35 S R 50 W 12	NWSEW	WELBORN, J.M.	4410	30.00 07/12/61	-1.20	SOUTHERN OF TWO WELLS	TRd
					0.00 / /			
					0.00 / /			
					32.70 03/21/90		NEW IN 1990	
					29.50 04/04/91			
					30.70 04/03/92			

LOCATION: BCC 8 34S 48W
 DEPTH: 122 feet AQUIFER: T₀



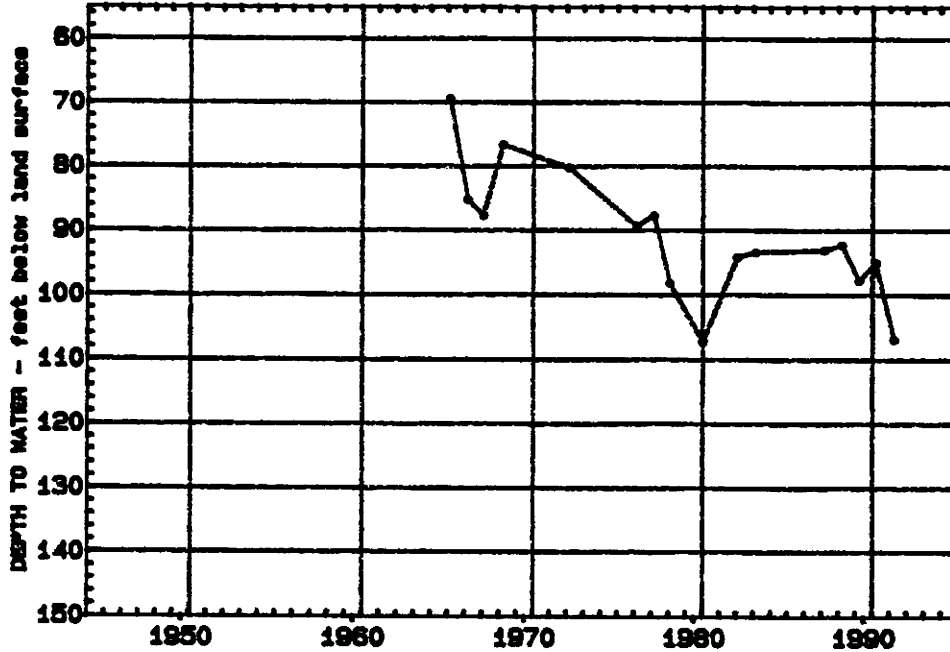
WELL #: 13 (13) LOCATION: BCC 8 34S 48W AQUIFER:
 DEPTH: 122 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

SEP 20, 1949	86.50	FEB 15, 1970	87.10	JAN 17, 1975	88.90	JAN 8, 1980	87.50	MAR 15, 1989	89.75
APR 15, 1966	86.00	FEB 4, 1971	84.40	DEC 24, 1975	87.60	JAN 8, 1981	87.90	MAR 21, 1990	91.20
JAN 15, 1967	86.10	FEB 7, 1972	87.08	JAN 26, 1977	87.66	JAN 12, 1982	88.08	MAR 3, 1991	91.30
JAN 15, 1968	85.60	FEB 6, 1973	84.25	FEB 16, 1978	85.60	JAN 19, 1983	88.03	APR 4, 1992	90.10
MAR 15, 1969	86.20	FEB 19, 1974	86.88	JAN 24, 1979	87.32	FEB 17, 1984	88.15		

MAXIMUM DEPTH TO WATER: 91.30 on MAR 3, 1991 MINIMUM DEPTH TO WATER: 84.25 on FEB 6, 1973 difference: 7.05

LOCATION: AAD 17 31S 41W
 DEPTH: 140 feet AQUIFER: T₀



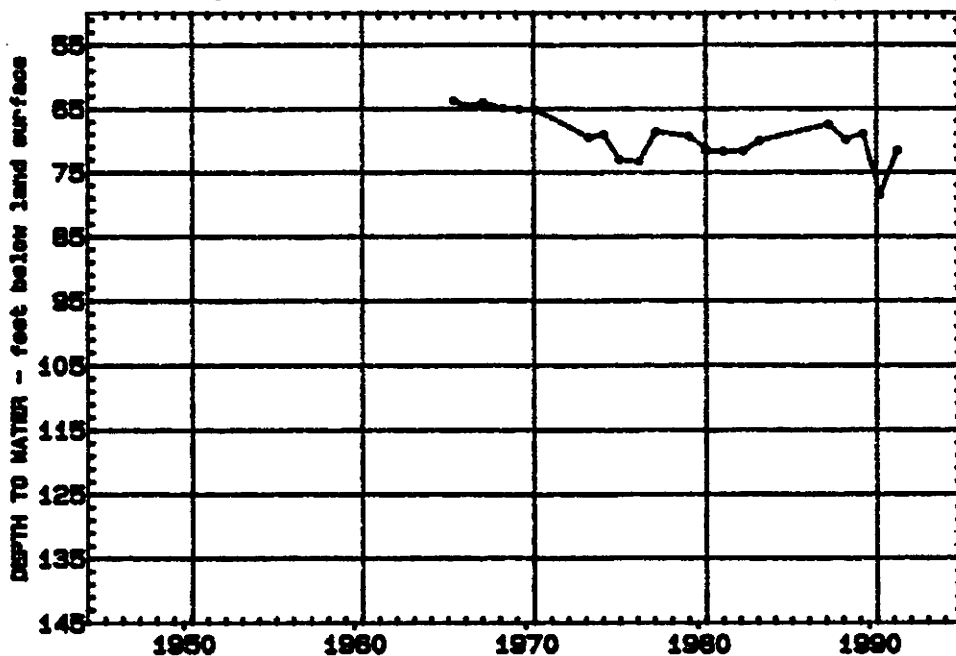
WELL #: 7 (7) LOCATION: AAD 17 31S 41W AQUIFER:
 DEPTH: 140 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

JAN 18, 1966	69.40	FEB 8, 1973	80.25	JAN 25, 1979	98.19	FEB 14, 1984	93.34	MAR 19, 1990	97.80
FEB 9, 1967	85.20	FEB 3, 1977	89.28	JAN 7, 1981	107.25	MAR 3, 1988	93.00	MAR 13, 1991	95.00
JAN 5, 1968	87.70	FEB 14, 1978	87.66	JAN 19, 1983	94.10	MAR 15, 1989	92.20	APR 7, 1992	106.90
MAR 6, 1969	76.60								

MAXIMUM DEPTH TO WATER: 107.25 on JAN 7, 1981 MINIMUM DEPTH TO WATER: 69.40 on JAN 18, 1966 difference: 37.85

LOCATION: DAB2 25 30S 46W
 DEPTH: 100 feet AQUIFER: Kd



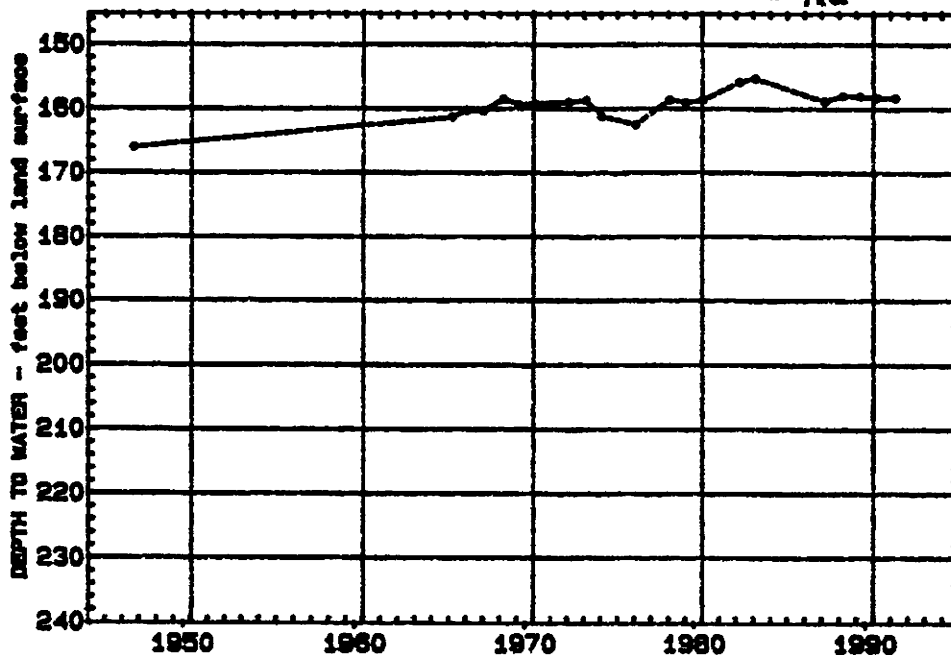
WELL #: 15 (15) LOCATION: DAB2 25 30S 46W AQUIFER:
 DEPTH: 100 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

APR 15, 1966	63.70	FEB 3, 1971	65.20	FEB 14, 1978	68.60	JAN 13, 1982	71.69	MAR 15, 1989	69.95
JAN 15, 1967	64.60	MAR 14, 1974	69.62	JAN 8, 1980	69.30	MAR 8, 1983	71.65	MAR 19, 1990	69.00
JAN 15, 1968	64.00	JAN 18, 1975	69.10	JAN 7, 1981	71.38	FEB 21, 1984	70.01	MAR 13, 1991	78.50
MAR 15, 1969	64.90	DEC 23, 1975	73.00	JAN 13, 1981	71.69	MAR 2, 1988	67.50	APR 4, 1992	71.50
FEB 15, 1970	65.10	FEB 4, 1977	73.30						

MAXIMUM DEPTH TO WATER: 78.50 on MAR 13, 1991 MINIMUM DEPTH TO WATER: 63.70 on APR 15, 1966 difference: 14.80

LOCATION: BCB 10 35S 45W
 DEPTH: 175 feet AQUIFER: Kd



WELL #: 14 (14) LOCATION: BCB 10 35S 45W AQUIFER:
 DEPTH: 175 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

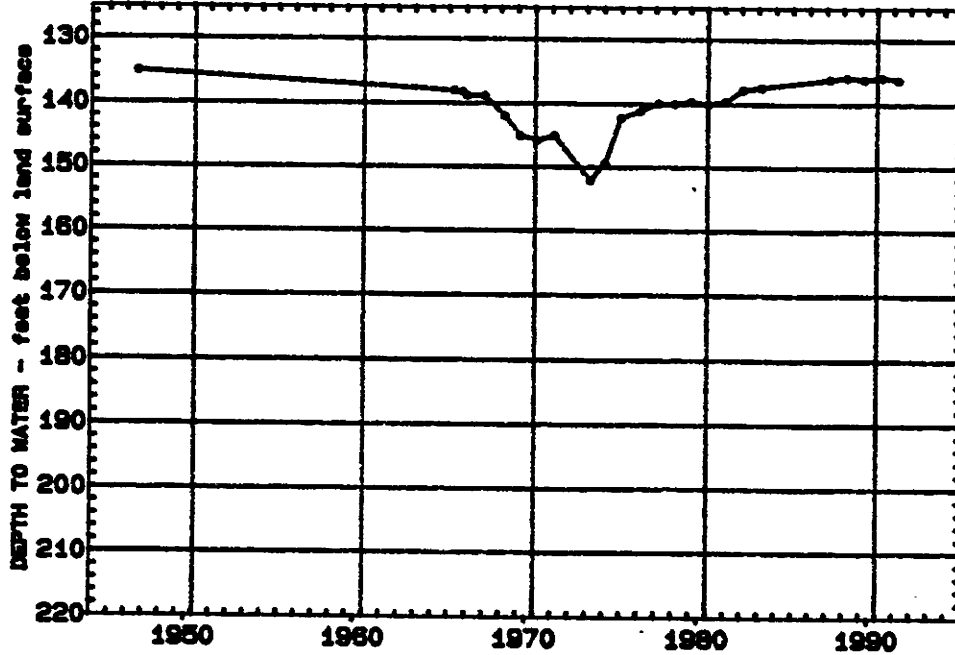
AUG 20, 1947	166.00	FEB 15, 1970	159.30	JAN 17, 1975	161.14	JAN 8, 1981	158.63	MAR 15, 1989	157.90
MAR 15, 1966	161.30	FEB 5, 1971	159.20	JAN 26, 1977	162.45	MAR 7, 1983	155.80	MAR 21, 1990	158.00
JAN 15, 1967	160.20	FEB 6, 1973	158.90	JAN 24, 1979	158.57	FEB 12, 1984	155.20	MAR 14, 1991	158.20
JAN 15, 1968	160.30	FEB 19, 1974	158.62	JAN 8, 1980	159.04	MAR 3, 1988	158.80	APR 9, 1992	158.25
MAR 15, 1969	158.40								

MAXIMUM DEPTH TO WATER: 166.00 on AUG 20, 1947

MINIMUM DEPTH TO WATER: 155.20 on FEB 12, 1984

difference: 10.80

LOCATION: ADD 27 30S 48W
 DEPTH: 245 feet AQUIFER: Kd



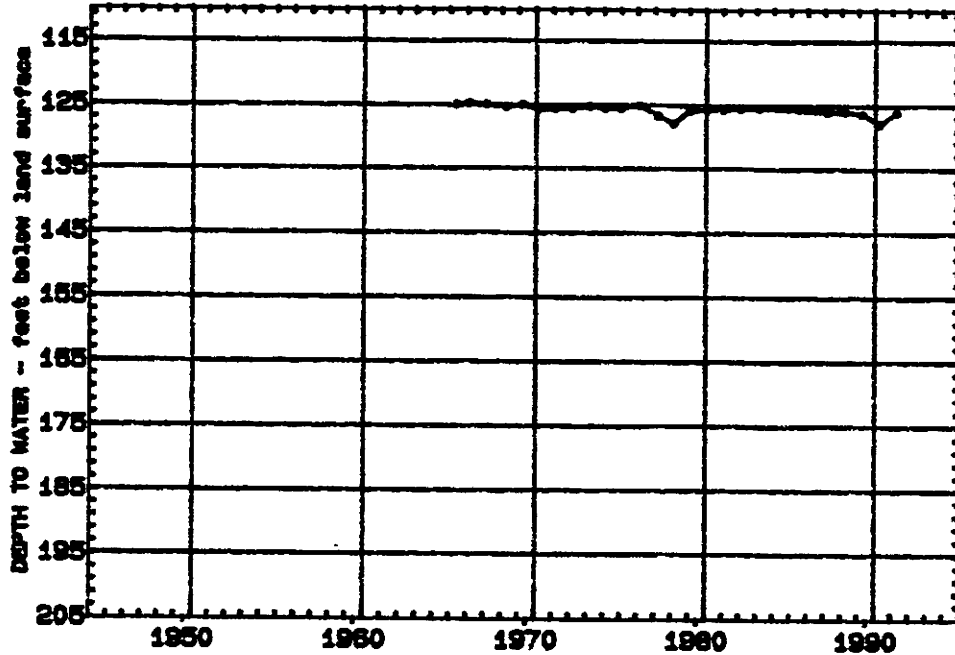
WELL #: 6 (6) LOCATION: ADD 27 30S 48W AQUIFER:
 DEPTH: 245 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

AUG 20, 1947	135.10	MAR 15, 1969	142.00	JAN 18, 1975	149.40	JAN 7, 1980	139.56	MAR 4, 1988	136.00
APR 15, 1966	138.00	FEB 15, 1970	145.20	DEC 23, 1975	142.20	JAN 6, 1981	140.00	MAR 15, 1989	135.70
OCT 15, 1966	138.20	FEB 2, 1971	145.90	JAN 26, 1977	141.11	JAN 11, 1982	139.52	MAR 23, 1990	136.00
JAN 15, 1967	138.80	FEB 8, 1972	145.14	FEB 16, 1978	139.83	JAN 20, 1983	137.70	APR 2, 1991	135.70
JAN 15, 1968	138.80	MAR 15, 1974	152.10	JAN 23, 1979	139.92	FEB 17, 1984	137.33	APR 3, 1992	136.10

MAXIMUM DEPTH TO WATER: 152.10 on MAR 15, 1974 MINIMUM DEPTH TO WATER: 135.10 on AUG 20, 1947 difference: 17.00

LOCATION: ADA 6 31S 50W
 DEPTH: 164 feet AQUIFER: Kd



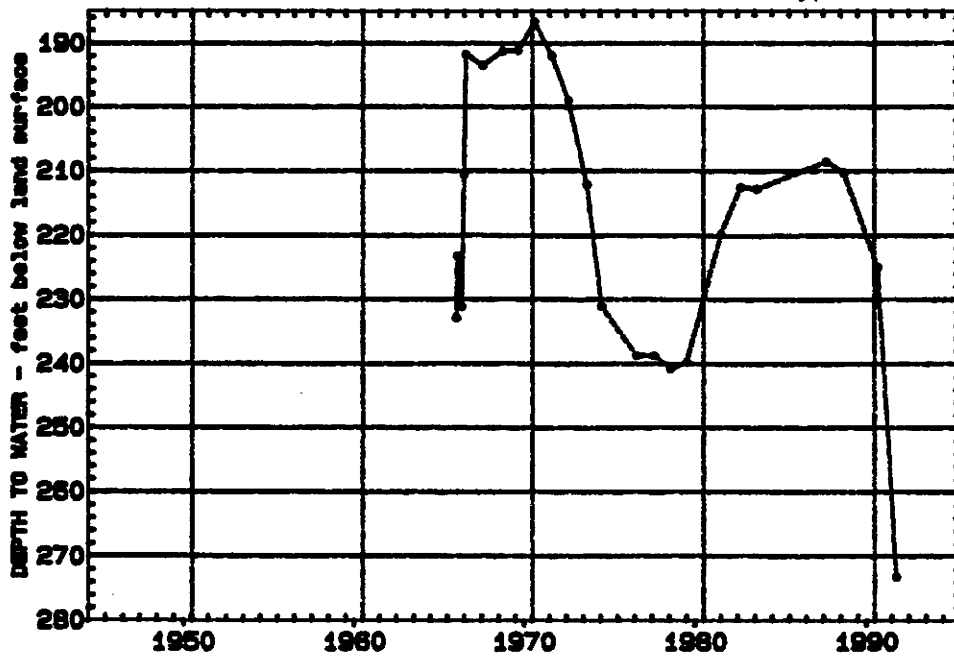
WELL #: 11 (11) LOCATION: ADA 6 31S 50W AQUIFER:
 DEPTH: 164 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

APR 15, 1966	124.90	FEB 4, 1971	125.70	DEC 24, 1975	125.50	JAN 8, 1981	125.68	MAR 15, 1989	125.90
JAN 15, 1967	124.70	FEB 7, 1972	125.55	JAN 26, 1977	125.01	JAN 12, 1982	125.60	MAR 23, 1990	126.30
JAN 15, 1968	124.90	FEB 7, 1973	125.55	FEB 16, 1978	126.60	JAN 19, 1983	125.45	APR 3, 1991	127.95
MAR 15, 1969	125.30	FEB 19, 1974	125.16	JAN 23, 1979	127.90	FEB 17, 1984	125.39	APR 3, 1992	126.10
FEB 15, 1970	124.90	JAN 18, 1975	125.48	JAN 8, 1980	125.80	MAR 4, 1988	126.00		

MAXIMUM DEPTH TO WATER: 127.95 on APR 3, 1991 MINIMUM DEPTH TO WATER: 124.70 on JAN 15, 1967 difference: 3.25

LOCATION: AAA 10 28S 44W
 DEPTH: 417 feet AQUIFER: Kc



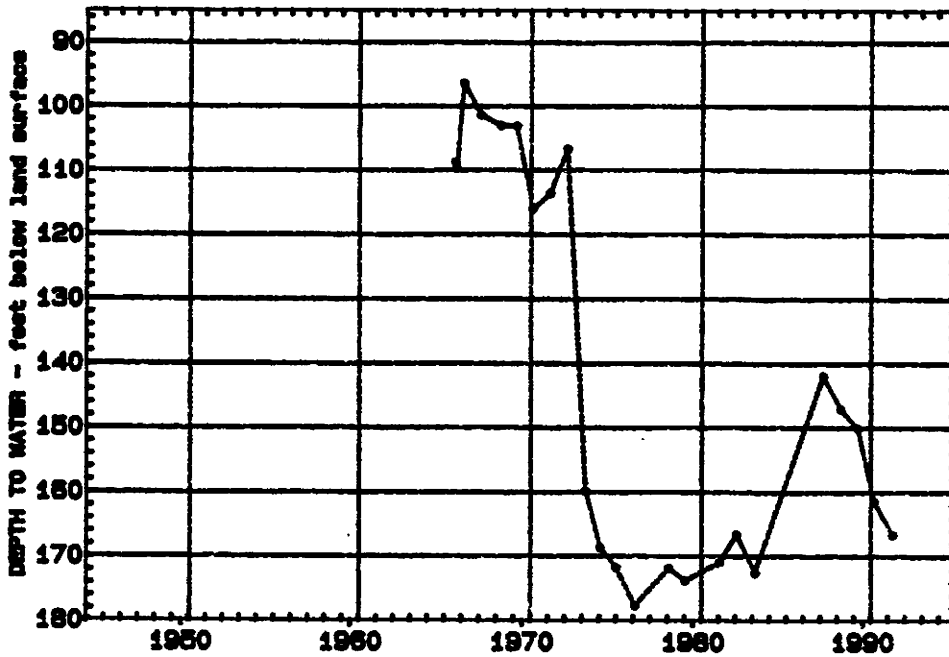
WELL #: 1 (1) LOCATION: AAA 10 28S 44W AQUIFER:
 DEPTH: 417 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

JUN 15, 1966	232.90	JAN 15, 1967	191.70	FEB 9, 1972	191.94	FEB 15, 1978	238.73	FEB 17, 1984	212.75
JUL 15, 1966	223.20	JAN 15, 1968	193.50	FEB 7, 1973	198.98	JAN 25, 1979	240.72	MAR 1, 1988	208.50
AUG 15, 1966	223.30	MAR 15, 1969	191.20	MAR 13, 1974	212.10	JAN 9, 1980	239.68	MAR 15, 1989	210.25
OCT 15, 1966	231.20	FEB 15, 1970	191.10	JAN 17, 1975	231.04	JAN 13, 1982	219.69	MAR 11, 1991	225.00
DEC 7, 1966	210.50	FEB 5, 1971	186.60	FEB 3, 1977	238.73	MAR 8, 1983	212.45	APR 5, 1992	273.20

MAXIMUM DEPTH TO WATER: 273.20 on APR 5, 1992 MINIMUM DEPTH TO WATER: 186.60 on FEB 5, 1971 difference: 86.60

LOCATION: CCB 17 30S 42W
 DEPTH: 393 feet AQUIFER: Ke



WELL #: 4 (4) LOCATION: CCB 17 30S 42W AQUIFER:
 DEPTH: 393 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

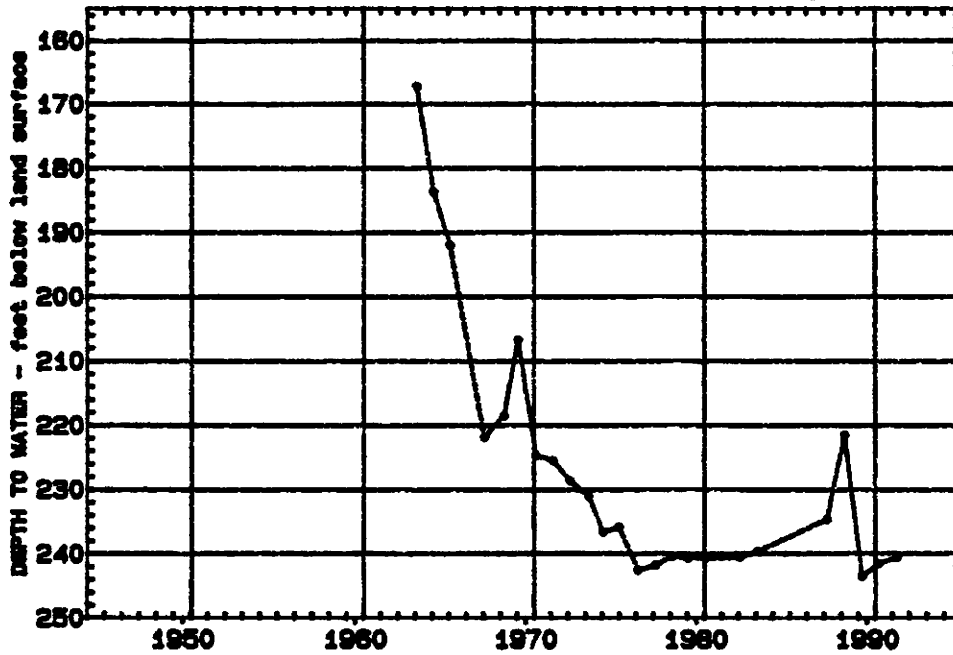
JUL 15, 1966	108.70	FEB 15, 1970	103.10	JAN 16, 1975	168.60	JAN 12, 1982	170.89	MAR 15, 1989	147.07
AUG 15, 1966	109.70	FEB 3, 1971	116.00	DEC 23, 1975	171.70	JAN 19, 1983	166.52	MAR 20, 1990	150.10
JAN 15, 1967	96.40	FEB 8, 1972	113.60	FEB 3, 1977	177.61	FEB 20, 1984	172.55	MAR 13, 1991	161.40
JAN 15, 1968	101.30	FEB 7, 1973	106.58	JAN 25, 1979	171.74	MAR 3, 1988	141.90	APR 7, 1992	166.60
MAR 15, 1969	103.00	MAR 14, 1974	159.84	JAN 9, 1980	173.70				

MAXIMUM DEPTH TO WATER: 177.61 on FEB 3, 1977

MINIMUM DEPTH TO WATER: 96.40 on JAN 15, 1967

difference: 81.21

LOCATION: CCC 13 30S 45W
 DEPTH: 330 feet AGUIFER: *Ke*



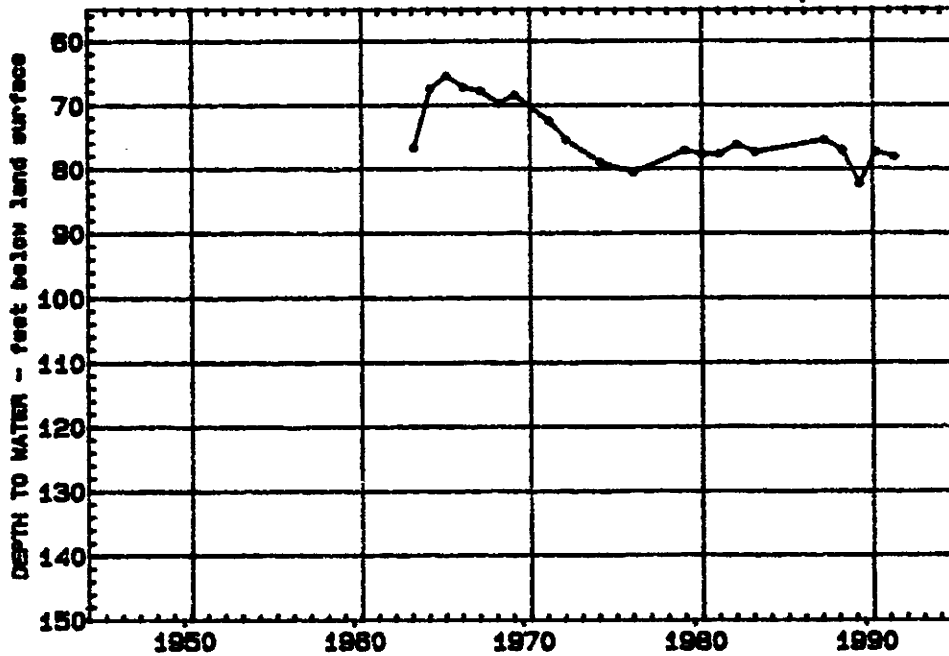
WELL #: 5 (5) LOCATION: CCC 13 30S 45W AGUIFER:
 DEPTH: 330 feet SURFACE ELEVATION: feet above NSL MEASURED BY: DWR

(all water levels are in feet below land surface)

JAN 15, 1964	167.20	JAN 15, 1970	206.70	JAN 17, 1975	236.60	JAN 9, 1980	240.66	MAR 15, 1989	221.46
JAN 15, 1965	183.70	FEB 3, 1971	224.70	DEC 23, 1975	235.80	JAN 13, 1981	240.65	MAR 19, 1990	243.50
JAN 15, 1966	192.00	FEB 10, 1972	225.55	FEB 4, 1977	242.51	JAN 19, 1983	240.50	MAR 13, 1991	241.50
JAN 15, 1968	221.90	FEB 6, 1973	228.66	FEB 14, 1978	241.74	FEB 9, 1984	239.59	APR 4, 1992	240.50
MAR 15, 1969	218.50	MAR 14, 1974	231.02	JAN 25, 1979	240.38	MAR 2, 1988	234.60		

MAXIMUM DEPTH TO WATER: 243.50 on MAR 19, 1990 MINIMUM DEPTH TO WATER: 167.20 on JAN 15, 1964 difference: 76.30

LOCATION: CBA 8 31S 44W
 DEPTH: 130 feet AQUIFER: *Kc*



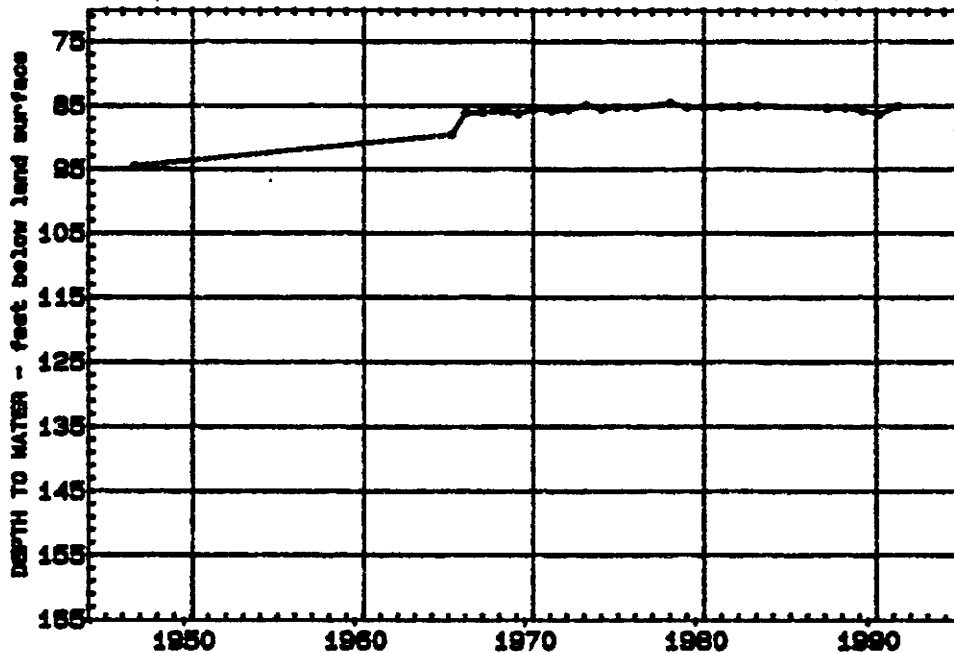
WELL #: 9 (9) LOCATION: CBA 8 31S 44W AQUIFER:
 DEPTH: 130 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

JAN 15, 1964	76.70	FEB 21, 1969	69.70	JAN 29, 1975	78.92	JAN 13, 1982	77.64	MAR 15, 1989	77.00
JAN 15, 1965	67.40	FEB 5, 1970	68.40	JAN 20, 1977	80.58	JAN 19, 1983	76.20	MAR 19, 1990	82.30
JAN 15, 1966	65.40	FEB 5, 1972	72.40	JAN 8, 1980	77.08	FEB 9, 1984	77.35	MAR 13, 1991	77.30
JAN 15, 1967	67.20	FEB 6, 1973	75.48	JAN 8, 1981	77.71	MAR 2, 1988	75.40	APR 7, 1992	78.10
JAN 15, 1968	67.72								

MAXIMUM DEPTH TO WATER: 82.30 on MAR 19, 1990 MINIMUM DEPTH TO WATER: 65.40 on JAN 15, 1966 difference: 16.90

LOCATION: DAD 5 34S 42W
 DEPTH: 103 feet AQUIFER: Rd



WELL #: 12 (12) LOCATION: DAD 5 34S 42W AQUIFER:
 DEPTH: 103 feet SURFACE ELEVATION: feet above MSL MEASURED BY: DWR

(all water levels are in feet below land surface)

AUG 20, 1947	94.50	FEB 15, 1970	86.20	JAN 16, 1975	85.43	JAN 6, 1981	85.17	MAR 15, 1989	85.22
MAR 15, 1966	89.60	FEB 5, 1971	85.40	DEC 23, 1975	85.20	JAN 12, 1982	85.11	MAR 21, 1990	85.70
JAN 15, 1967	86.10	FEB 8, 1972	85.72	FEB 4, 1977	85.19	JAN 18, 1983	85.05	MAR 13, 1991	86.30
JAN 15, 1968	86.00	FEB 8, 1973	85.52	JAN 24, 1979	84.50	FEB 12, 1984	85.00	APR 7, 1992	85.00
MAR 15, 1969	85.80	FEB 19, 1974	84.87	JAN 9, 1980	85.17	MAR 3, 1988	85.30		

MAXIMUM DEPTH TO WATER: 94.50 on AUG 20, 1947 MINIMUM DEPTH TO WATER: 84.50 on JAN 24, 1979 difference: 10.00