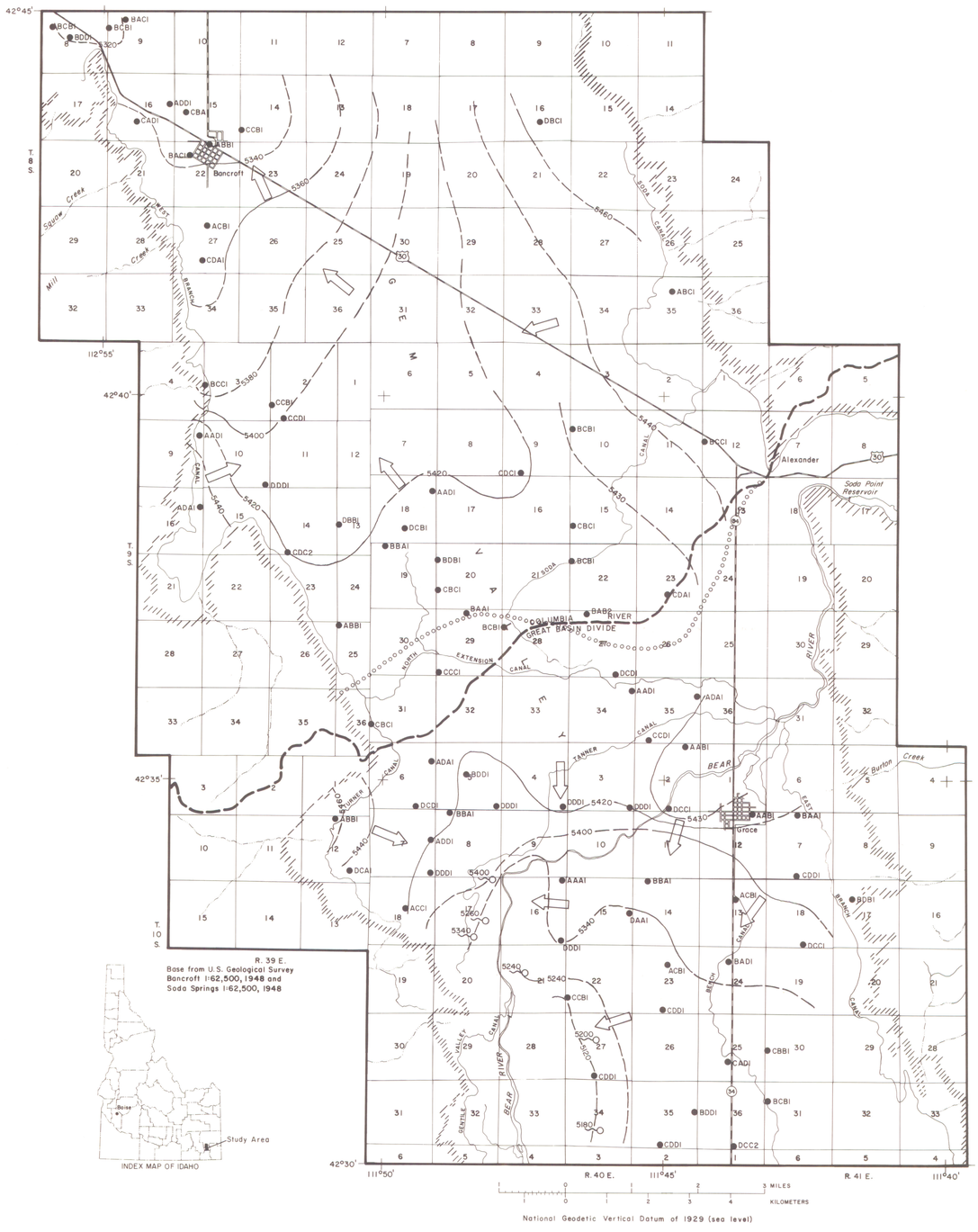
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE STATE OF UTAH
NATURAL RESOURCES AND ENERGY

WATER RESOURCES INVESTIGATIONS REPORT 84-4036



EXPLANATION

—5200— WATER-TABLE CONTOUR--Shows altitude of water table, October 1983. Dashed where approximately located. Contour interval, in feet, is variable. Datum is sea level

GENERALIZED DIRECTION OF GROUND-WATER MOVEMENT

APPROXIMATE LOCATION OF GROUND-WATER DIVIDE

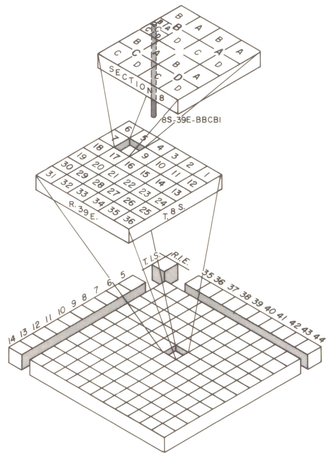
●ABC1 WELL AND ABBREVIATED NUMBER

5340 SPRING--Number is altitude, in feet above sea level

APPROXIMATE BOUNDARY OF LOWLANDS

WELL-NUMBERING SYSTEM

The numbering system used by the U.S. Geological Survey in Idaho indicates the location of wells within the official rectangular subdivision of the public lands, with reference to the Boise base line and meridian. The first two segments of the number designate the township and range. The third segment gives the section number, followed by three letters, which indicate the ¼ section (160-acre tract), the ¼-¼ section (40-acre tract), the ¼-¼-¼ section (10-acre tract); and the serial number of the well within the tract. Quarter sections are lettered A, B, C, and D in counterclockwise order from the northeast quarter of each section (see below). Within the quarter sections, 40-acre and 10-acre tracts are lettered in the same manner. Well 8S-39E-8BCB1 is in the NW¼SW¼NW¼, sec. 18, T. 8 S., R. 39 E., and is the first well inventoried in that tract.



RECORDS OF WELLS

Well No.			Altitude of land surface (feet above sea level)	Reported depth of well (feet below land surface)	Water level		Altitude of water surface (feet above sea level)
Township	Range	Section and sequence No.			Feet below land surface	Date measured (1983)	
8S	39E	8BCB1	5,385	115	64.44	10/27	5,321
		8BDD1	5,390	293	73.95	10/26	5,316
		9BAC1	5,434	585	108.30	10/27	5,326
		9BCB1	5,410	249	94.05	10/27	5,316
		14CCB1	5,431	108	100.53	10/25	5,330
		15CBA1	5,438	173	111.55	10/26	5,326
		16ADD1	5,430	290	94.61	10/26	5,335
		16CAD1	5,432	575	90.49	10/26	5,342
		22ABB1	5,420	111	84.19	10/26	5,336
		22BAC1	5,422	185	84.93	10/26	5,337
		27ACB1	5,462	355	106.65	10/25	5,355
		27CDA1	5,462	120	111.77	10/25	5,350
	40E	16DBC1	5,545	247	76.82	10/25	5,468
		35ABC1	5,630	225	175.67	10/28	5,454
9S	39E	2CCB1	5,475	---	83.63	10/27	5,391
		2CCD1	5,485	---	81.59	10/26	5,403
		3BCC1	5,496	---	132.72	10/25	5,363
		9AAD1	5,484	84	54.00	10/25	5,430
		10DDD1	5,475	91	65.51	10/26	5,409
		13DBB1	5,485	175	72.03	10/27	5,413
		14CDC2	5,490	---	69.62	10/27	5,420
		16ADA1	5,486	51	33.35	10/25	5,453
		25ABB1	5,475	122	41.16	10/25	5,434
	40E	9CDC1	5,580	---	161.24	10/26	5,419
		10BCB1	5,610	200	178.03	10/25	5,432
		12BCC1	5,690	---	246.78	10/26	5,443
		15CBC1	5,626	210	199.96	10/25	5,426
		18AAD1	5,540	---	117.76	10/27	5,422
		18DCB1	5,522	190	96.37	10/26	5,426
		19BBA1	5,505	180	80.67	10/27	5,424
		20BDB1	5,568	243	140.23	10/27	5,428
		20CBC1	5,560	500	135.41	10/28	5,425
		22BCB1	5,630	342	208.39	10/25	5,422
		23CDA1	5,694	350	268.26	10/27	5,426
		27BAB2	5,615	220	190.10	10/27	5,425
		27DCD1	5,596	180	164.31	10/28	5,432
		28BCB1	5,576	200	148.18	10/27	5,428
		29BAA1	5,580	160	150.35	10/28	5,430
		29CCC1	5,542	120	114.80	10/25	5,427
		31CBC1	5,517	140	92.44	10/26	5,425
		34AAD1	5,565	150	142.40	10/27	5,423
		35ADA1	5,570	---	140.90	10/27	5,429
		35CCD1	5,542	---	114.20	10/27	5,428
10S	39E	12ABB1	5,505	100	39.25	10/25	5,466
		12DCA1	5,485	170	52.94	10/25	5,432
	40E	2AAB1	5,520	120	87.78	10/27	5,432
		2DCC1	5,520	---	86.00	10/27	5,434
		3DDD1	5,513	124	93.73	10/26	5,419
		4DDD1	5,513	---	89.60	10/26	5,423
		5BDD1	5,500	208	82.28	10/25	5,418
		5DDD1	5,510	110	98.79	10/27	5,411
		6ADA1	5,520	132	95.05	10/26	5,425
		6DCD1	5,480	75	51.37	10/25	5,429
		7ADD1	5,470	365	54.43	10/26	5,416
		7DDD1	5,470	---	56.14	10/26	5,414
		8BBA1	5,477	300	53.04	10/25	5,424
		12AAB1	5,540	205	114.52	10/26	5,425
		13ACB1	5,525	187	164.64	10/26	5,360
		14BBA1	5,505	225	149.72	10/26	5,355
		15DAA1	5,480	170	143.76	10/27	5,336
		16AAA1	5,500	---	144.10	10/26	5,356
		16DDD1	5,450	170	105.15	10/26	5,345
		18ACC1	5,480	62	57.62	10/25	5,422
		22CCB1	5,210	125	85.25	10/26	5,125
		23ACB1	5,510	---	175.40	10/27	5,335
		23CDD1	5,490	180	175.45	10/27	5,315
		24BAD1	5,515	210	167.12	10/26	5,348
		25CAD1	5,490	192	174.01	10/26	5,316
		27CDD1	5,150	52	33.40	10/25	5,117
		35BDD1	5,378	---	64.55	10/25	5,313
		35CDD1	5,372	70	62.95	10/25	5,309
		36DCC2	5,405	115	90.40	10/25	5,315
	41E	7BAA1	5,580	245	160.82	10/26	5,419
		7CDD1	5,540	180	89.15	10/26	5,451
		17BDB1	5,635	220	190.75	10/28	5,444
		18DCC1	5,515	215	162.24	10/25	5,353
		30CBB1	5,470	---	151.34	10/25	5,319
		31BCB1	5,455	---	138.58	10/25	5,316

WATER-TABLE CONTOURS, DIRECTIONS OF GROUND-WATER MOVEMENT, AND GROUND-WATER DIVIDE, OCTOBER 1983, IN GEM VALLEY, SOUTHEASTERN IDAHO

By
H.W. Young