Montana Bureau of Mines and Geology
A Department of Montana Tech of The University of Montana

Montana Groundwater Assessment Atlas 7B, Map 1
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Data for Water Wells Visited during the Cascade–Teton Groundwater Characterization Study

by

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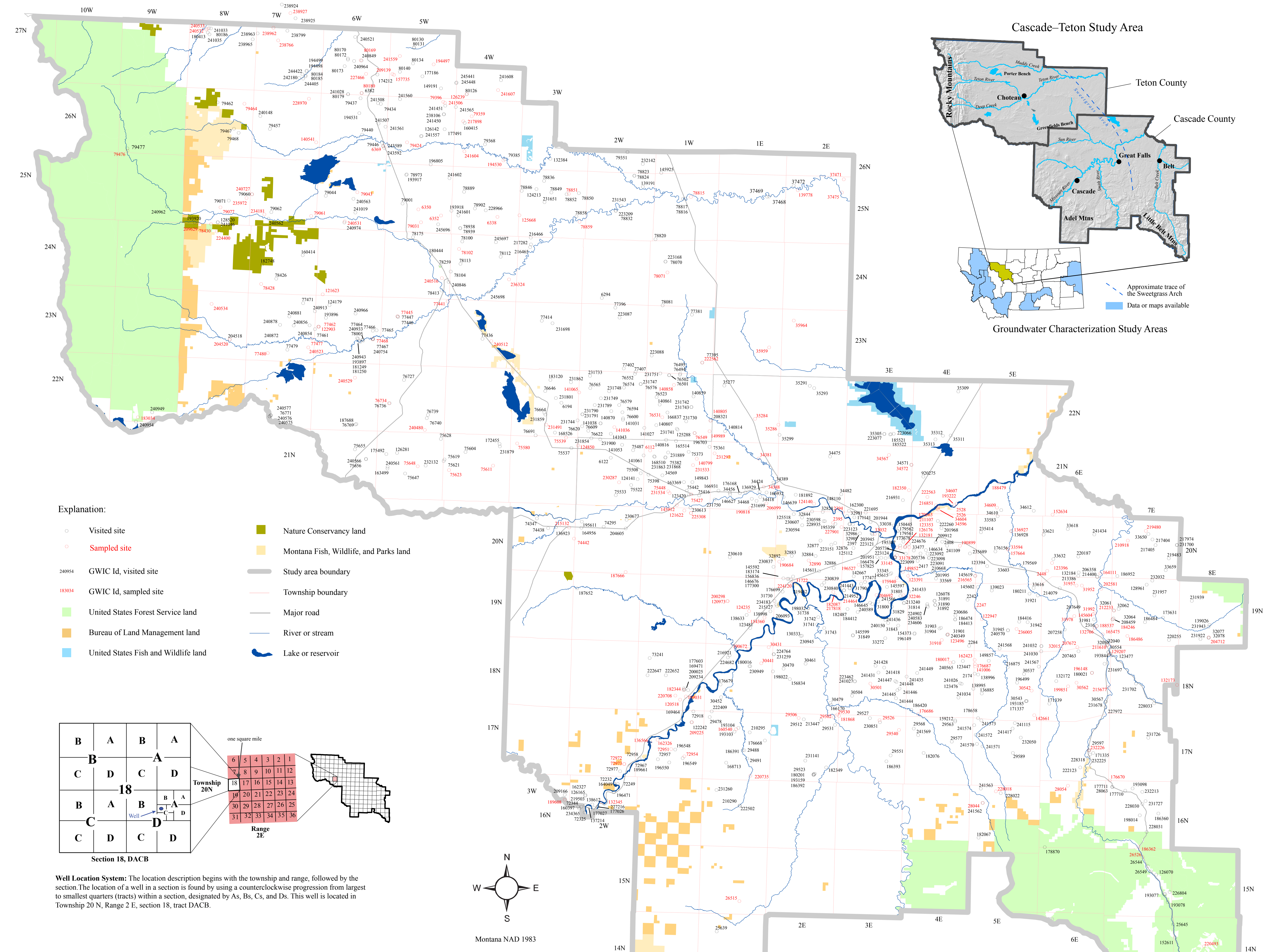

Well Location System: The location description begins with the township and range, followed by the section.The location of a well in a section is found by using a counterclockwise progression from largest to smallest quarters (tracts) within a section, designated by As, Bs, Cs, and Ds. This well is located in Township 20 N, Range 2 E, section 18, tract DACB.

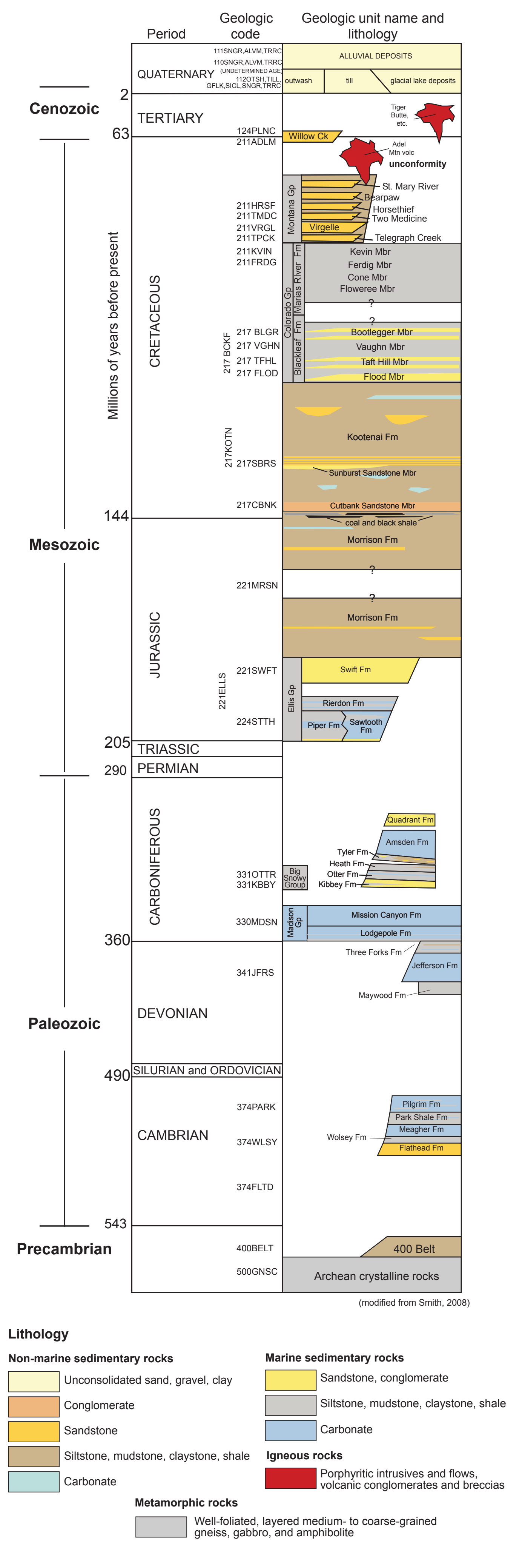

Figure 1. Stratagraphic column.

INTRODUCTION

This map shows locations and selected field data for wells and springs visited by the Montana Characterization Program between March 2005 and July 2008 during the Cascade-Teton Groundwater Characterization Area study. A total of 853 wells, completed in the study area's significant aquifers, were chosen from about 7,800 known water wells. Additionally, 61 springs were inventoried. Some previously visited wells near Belt, Montana (Reiten, and others, 2006) were revisited to gather updated information.

This map is the first of two that describes the hydrogeologic framework of the study area. Geologic structures, mapped extents of geologic units, and cross sections are included on the Hydrogeologic Framework map (Atlas 7, Map 2).

GEOLOGIC UNITS AND THE HYDROGEOLOGIC FRAMEWORK

All visited wells/springs were assigned geologic unit codes (tables 1 and 2; fig. 1) that identify the geologic source and the rocks/materials supplying the water. These units and their relationships to aquifers are described below. Each visited well's water source was assigned by comparing the driller's lithologic log and completion record (when available) to geologic maps by Vuke (2000), Berg (2002, 2008), Berg and Vuke (2002), Vuke and others (2002a,b), and Reynolds and Brandt (2005, 2007). Important stratigraphic distinctions between units have been described and mapped by Cobban and others (1959), Peterson (1966), and Patton (1991). Cobban and Peterson's descriptions and interpretations of the stratigraphic effect of the Sweetgrass Arch (see axis on index map to left) on the presence and absence of rock units from northwest to southeast have required very little refinement. The stratigraphic column (fig. 1) illustrates ages and relationships between the various rock units. There are numerous unconformities that represent missing geologic units and erosion during periodic uplift along the Sweetgrass Arch between the early Cambrian and the late Cretaceous.

Geologic units are part of the hydrogeologic framework when they act as aquifers. An aquifer is a geologic unit (or more than one unit) that can provide adequate quantities of water to a well or spring. The geologic unit, the topographic position, and the well's position in the groundwater flow system (distance from recharge and/or groundwater-residence time along groundwater flow paths) affect water quantity and water quality.

The most important aquifers in the southern half of the study area are sandstone members in the Cretaceous Kootenai Formation and limestone in the Mississippian Madison Group. These aquifers are bordered to the south by the Little Belt Mountains and to the southwest by the Adel Mountain Volcanics. North of the Missouri River, the Madison Group and overlying strata dip further into the subsurface and are covered by Cretaceous Colorado Group shale (central and eastern parts of study area) and the Montana Group, which contains notable intervening water-bearing sandstone units such as the Virgelle Formation (western part of the study area). These rocks are mostly covered by Cenozoic unconsolidated deposits derived from depositional and erosional processes of alpine glaciation from the west and continental glaciation from the north. Where these Cenozoic deposits are permeable and adjacent to surface water, or underlie irrigation projects, they are productive aquifers. In the Greenfields Bench area the underlying Colorado shale produces small amounts of poor-quality water. Farther northwest, the Montana Group's Two Medicine and Virgelle Formations contain sand lenses that are viable groundwater sources. Groundwater is also available to a limited extent from other thin sandy units in the Horsethief and Telegraph Creek Formations.

SITE VISITS

Selected sites were visited to provide baseline data for alluvial and bedrock aquifers. Coordinates for each visited site were determined using a hand-held global positioning system receiver (15 m horizontal accuracy). Elevations and tract locations were determined using USGS 1:24,000 topographic maps. Where possible, data collected included the static water level, water temperature, pH, and the specific conductivity. All reported parameters represent stabilized readings attained after a ~30-minute pumping duration. Staff collected water-quality samples from selected wells and springs after field parameters stabilized and/or three well volumes of water were discharged. Some wells either could not be pumped to measure water-quality parameters or were not accessible to measure water levels. Selected data for the visited wells/springs are included in table 2; well locations and their Groundwater Information Center (GWIC) identification numbers are shown on the map. Selected wells were sampled as indicated in table 2; results for complete water analyses (major ions and trace metals) and nitrate analyses are available from GWIC.

DATA SOURCES

All data, including water-quality analytical results, are available from the MBMG's GWIC database (http://mbmggwic.mtech.edu). Land ownership, hydrography, public land survey, and road data were obtained from the Natural Resource Information System at the Montana State Library in Helena, Montana (http://nris.mt.us).

ACKNOWLEDGMENTS

We thank all property owners who gave permission to visit their wells. Reviews of the map by Tom Patton, Jim Stimson, Kirk Waren, John Metesh, and Ed Deal are greatly appreciated. Many thanks go to Patrick Byrne for his help in identifying wells and his extensive discussion and thoughts about the topography of the Madison Group and the thickness of glacial deposits. Layout by Susan Smith; editing by Susan Barth.

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Author's Note: This map is part of the Montana Bureau of Mines and Geology (MBMG) Groundwater Assessment Atlas for the Cascade–Teton Area groundwater characterization. It is intended to stand alone and describe a single hydrogeologic aspect of the study area, although many of the area's hydrogeologic features are interrelated. For an integrated view of the hydrogeology of the Cascade–Teton Area, the reader is referred to the other maps of Montana Groundwater Assessment Atlas 7 (http://mbmggwic.mtech.edu).

Table 1. Visited wells and springs were assigned a geologic code identifying the geologic unit that provides the water. The code consists of a set of three numbers that indicates the time period during which the geologic unit was deposited (e.g., 111, 120, 330) followed by four letters that abbreviate either a sediment description or the name of the geologic unit (e.g., sand and gravel, SNGR; Blackleaf Formation, BCKF). These codes are also listed in the stratigraphic column, figure 1 (modified from Smith, 2008) which displays the vertical distribution (oldest at the base, youngest at the top) of all the geologic units within the study area. In the stratigraphic column, only those geologic units represented by visited wells/springs are annotated with a geologic code. Brief descriptions of the geologic units are in the "Geologic Unit Descriptions" below.

Geologic Unit	Geologic Unit Codes	Visited Wells	Median Depth (ft)	Visited Springs
Cenozoic sand and gravel, alluvium, terrace	110SNGR, 110ALVM, 110TRRC	32	40	
Holocene sand and gravel alluvium and terrace deposits	111SNGR, 111ALVM, 111TRRC	59	27	2
Pleistocene till and lake deposits	112TILL, 112GFLK, 112SICL	28	89	
Pleistocene sand and gravel, terrace deposits and outwash	112SNGR, 112TTRC, 112OTSH	217	35	
Tertiary plutonic rocks	124PLNC	1	80	
Adel Mountain Volcanics	211ADLM	15	138	3
Cretaceous sedimentary rocks				
Montana Group				
Two Medicine Formation	211TMDC	78	84	3
Virgelle Formation	211VRGL	19	80	1
Telegraph Creek Formation	211TPCK	15	80	
Colorado Group				
Marias River Formation, undiff.	211MRRV	10	135	1
Horsethief Member	211HRSF	1	160	
Kevin Member	211KVIN	10	105	
Ferdig Member	211FRDG	4	110	
Blackleaf Formation, undiff.	217BCKF	38	105	10
Bootlegger Member	217BLGR	8	98	
Vaughn Member	217VGHN	6	60	1
Taft Hill Member	217TFHL	7	110	
Flood Member	217FLOD	11	90	6
Kootenai Formation, undiff.	217KOTN	120	147	17
Sunburst Member	217SBRS	8	73	
Cutbank Member	217CBNK	6	180	
Jurassic sedimentary rocks				
Morrison Formation	221MRSN	10	165	
Ellis Group, undiff.	221ELLS	1	101	
Swift Formation	221SWFT	19	99	2
Sawtooth Formation	224STTH	2	29	
Paleozoic sedimentary rocks				
Big Snowy Group				
Otter Formation	331OTTR			2
Kibbey Formation	331KBBY	4	185	1
Madison Group (Mission Canyon and Lodgepole)	330MDSN	116	450	10
Jefferson Formation	341JFRS	1	178	
Park Formation	374PARK	1	100	
Wolsey Formation	374WLSY	1	270	
Flathead Formation	374FLTD	1	120	2
Precambrian metasedimentary rocks				
Belt Supergroup	400BELT	1	200	
Archean metamorphic rock	500GNSC	8	201	
	Totals	853		61

GEOLOGIC UNIT DESCRIPTIONS

Cenozoic unconsolidated deposits and intrusive rocks

Cenozoic, undifferentiated, sand and gravel, and terrace deposits (110SNGR, 110ALVM, 110TRRC)—Sand and gravel in recent river valleys and on abandoned floodplains (terraces) about 5–15 ft above streams.

Holocene sand and gravel, alluvium, and terrace deposits (111SNGR, 111ALVM, 111TRRC)—Sand and gravel in recent river valleys and on abandoned floodplains (terraces) about 5–15 ft above modern streams.

Pleistocene till and lake deposits (112TILL, 112GFLK)—Till deposits are a mixture of silt, clay, and gravel deposited by or near glaciers. Alpine till deposits are limited in occurrence to the northwestern part of the study area; continental till deposits cover a large portion of the area's north half. Glacial lake deposits are dominated by sequences of silt with thin interbeds of fine sand and clay and occur at many locations. Till thicknesses are from 20 to more than 350 ft. A few wells are completed in sand and gravel lenses within till and lake deposits; most are completed in sand and gravel beneath the glacial deposits.

Pleistocene sand and gravel, terrace deposits, and outwash (112SNGR, 112TRRC, 112OTSH)—Pleistocene sand and gravel, terrace deposits, and outwash are generally gravel with some sand. Sometimes these units may be buried beneath glacial lake deposits or till, but commonly 20- to 60-ft thick deposits on abandoned Pleistocene floodplains (terraces) 20–400 ft above stream valleys and include small areas of pre-Pleistocene (potentially late Tertiary) gravel. There are pre-Pleistocene gravel remnants on east-sloping alluvial surfaces (the Bole Bench, southeast of Choteau). While such deposits are noted on geologic maps (Berg, 2002, 2008), none of the wells visited in this part of the study area are completed in these deposits. These deposits are buried by continental glacial till in the northern part of the area.

Tertiary plutonic rocks (124PLNC)—Eocene intrusions of diorite, quartz monzonite, and quartz syenite scattered across the landscape in the southern part of the study area. Tiger Butte, a prominent feature north of the Little Belt Mountains, is cored by a light brown to gray intrusive rock (quartz syenite). Few wells are completed in Tertiary plutonic rocks because the areas where these rocks occur are limited and remote. Small springs that discharge from these often supply water for domestic use.

Cretaceous sedimentary and igneous rocks

Adel Mountain Volcanics (211ADLM)—Porphyritic intrusive rocks and extrusive flows located in the southwestern part of the study area. Mostly dark gray to red, brownish gray to olive gray breccia, conglomerate, lava flows, or intrusive rocks such as the Antelope Mountain pluton (Vuke, 2000). Wells are completed in sand and gravel interbeds in volcaniclastic deposits and in fractured intrusive rocks.

Montana Group: Horsethief, Two Medicine, Virgelle, and Telegraph Creek Formations (211HRSF, 211TMDC, 211VRGL, 211TPCK)— A transgressive–regressive sequence of marine–non-marine rocks. The Horsethief and Virgelle are dominantly sandstone and form prominent outcrops; the Two Medicine and Telegraph Creek are mudstones with sandstone interbeds. These formations are limited to the northwest corner of the map area generally west and north of Choteau. Thicknesses of individual formations range from 165 ft (Horsethief, Virgelle) to 2,200 ft (Two Medicine). Most wells are completed in the sandstone units.

Colorado Group: Marias River Formation: Kevin, Ferdig Members (211KVIN, 211FRDG, 211MRRV)—The Marias River Formation is a dark gray marine mudstone between 900 and 1,200 ft thick. The formation underlies the sand and gravel deposits capping the prominent Greenfields, Burton, and Porter benches, and various till deposits throughout the northern half of the study area. Wells are completed in thin sandstone beds.

Colorado Group: Blackleaf Formation: Bootlegger, Vaughn, Taft Hill, and Flood Members (217BLGR, 217VGHN, 217TFHL, 217FLOD)—The Blackleaf is a transgressive sequence of sandy units with the exception of the Vaughn member, a non-marine, regressive sequence of bentonitic beds, tuff, and clay-rich sandstone lenses (Peterson, 1966). The individual members range in thickness from 100 to 240 ft. Wells are completed mostly in interbedded sandstone lenses. The formations are exposed mostly in the northern and western parts of the study area.

Kootenai Formation: Cutbank and Sunburst Members (217KOTN, 217CBNK, 217SBRS)— A non-marine sequence of mudstones and shales with two distinct sandstones (Cutbank and Sunburst Members), and an upper set of channel sands, the informal Kk4 member of Vuke and others (2002a). The basal Cutbank Sandstone forms prominent outcrops and overlies a Jurassic coal and black shale interval in the upper Morrison Formation. Thicknesses range from less than 10 to as much as 100 ft. The Sunburst Sandstone is a well-sorted cemented sandstone that is about 50 ft thick; it overlies the informal Kk2 member, a mudstone-dominated unit (Vuke, 2000). Channel sandstones, limey shales, and thin-bedded sandstones of the Kk4 member overlie the Sunburst: some channels in Kk4 eroded down into the basal Cutbank Sandstone.

Jurassic sedimentary rocks

Morrison Formation and Ellis Group (221MRSN, 224STTH, 221ELLS, 221SWFT)—The Morrison Formation is mostly a reddish mudstone that contains minor sandstone, coal, and carbonaceous shale about 200 ft thick. The Morrison top is often marked by a distinctive coal and black shale. Exposure of the Sawtooth Formation is limited to the Rocky Mountain Front and the northeastern flank of the Little Belt Mountains. The Ellis Group includes the Swift, Rierdon, and Sawtooth Formations and ranges from 200 to 500 ft thick. The Swift is a marine unit containing thinning-upward beds of limestone and siltstone and a basal, coarse- to medium-grained, quartz and chert-pebble congomeratic sandstone. The unit thins to the south but can be as much as 39 ft thick. In places it unconformably overlies the Madison Group. In many locations the Swift may be in hydrologic connection with the weathered top of the Upper Madison Group (the Mission Canyon Formation)

Paleozoic sedimentary rocks

Big Snowy Group; Otter Formation and Kibbey Formation (331OTTR, 331KBBY)—The Otter, 300–500 ft thick, is a sequence of shale and siltstone with intervening limestones and mudstone interbeds. The Kibbey is marked in outcrop by its upper weathered red mudstone. This mudstone is interbedded with a quartzose sandstone that provides water to a few wells in the southern section of the study area. Thickness ranges from 0 to 350 ft.

Madison Group (330MDSN)—The Madison Group includes the Mission Canyon and Lodgepole Formations. Both are characterized by dark gray limestone and light brown dolomite rich in chert and crinoid fossils. The Lodgepole ranges in thickness from 400 to 700 ft; the Mission Canyon ranges from 800 to 1,400 ft. At times during uplift along the Sweetgrass Arch, the Madison was exposed, resulting in a reddish, deeply weathered top section and karst development. This karst development in the uppermost Madison is the most important aquifer in the study area, responsible in places for delivering groundwater to overlying formations (most notably the Kootenai Formation at Giant Springs and the Swift Sandstone).

Jefferson, Park, Wolsey, and Flathead Formations (341JFRS, 374PARK, 374WLSY, 374FLTD)—Devonian dolomite and limestone (Jefferson), shale (Park and Wolsey), and Cambrian sandstone (Flathead) that have been faulted and folded. Unit thicknesses are between between 50 and 250 ft. Wells obtain water from fractured zones.

Precambrian meta-sedimentary rocks

Belt Supergroup (400BELT)—Metamorphosed siltstones, claystones, and quartzites that have been faulted and folded. Small outcrops are restricted to the very southern extent of the study area near Kings Hill Pass. Wells obtain water from fractured zones.

Archean metamorphic rocks (500GNSC)—Granitic gneiss with local inclusions of metasedimentary rocks. Wells obtain water from fractured zones.

Table 2. Well inventory data. Data are arranged in ascending township, range, and section order.

Explanation

GWIC Id	Groundwater Information Center identification number
site type	either well or spring
altitude	land-surface altitude feet (ft) above mean sea level (ft-amsl)
total depth	total depth of last casing string set in well and may not reflect depth that water enters (ft)
SWL altitude	static water-level altitude (ft-amsl)
water temp	°C (Celsius)
field sc	specific conductivity (micromhos/cm)
field pH	acidity of water
geologic unit	unit code for well completion (primary code is listed; some wells have a secondary code that can be retrieved from the GWIC database)
water quality	"yes", a complete-major ions and trace metals analysis (blank, no sample taken)

GWIC Id	township	range	section	tract	site type	altitude	total depth	SWL altitude	water temp	field sc	field pH	geologic unit	water quality
168717	13N	08E	4	BDCD	WELL	5800	202	5788	7.8	299	8.1	500GNSC	yes
177536	13N	08E	10	CDAB	WELL	6030	40	6019	7.7	59	7.3	112SNGR	
177609	13N	08E	34	CBDD	WELL	7395	200	7367				400BELT	
25639	14N	01E	8	DBAC	WELL	4800	80	4785				217BCKF	
25645	14N	07E	1	ADDC	WELL	5100	27	5087	8.3	256	7.8	500GNSC	
226785	14N	07E	20	ADAC	SPRING	7000			4.3	26	7.6	374FLTD	
152611	14N	08E	7	CCCC	WELL	5220	160	5189	6.7	319	7.2	500GNSC	
220493	14N	08E	16	DACC	WELL	6080	80	6073	7.4	343	7.3	124PLNC	yes
196897	14N	08E	30	ACAA	WELL	5470	285	5461	6.7	349	7.0	500GNSC	
25649	14N	08E	32	ACCA	WELL	5660	120	5655				500GNSC	
226765	14N	08E	32	DBAB	WELL	5650	265	5641				500GNSC	
26515	15N	01E	27	DCAC	WELL	4640	150	4626	8.6	722	8.01	217KOTN	yes
26526	15N	07E	3	CACD	WELL	4610	35	4600	10.4	564	7.4	112SNGR	yes
26544	15N	07E	10	DABB	WELL	4740	100	4694	8.3	438	7.6	374PARK	
26549	15N	07E	11	CCCD	WELL	4710	11	4701	9.4	492	7.2	112SNGR	
126070	15N	07E	14	ACBB	WELL	4820	270	4725	9.8	664	7.7	374WLSY	
193077	15N	07E	24	CDCD	WELL	4960	225	4912				500GNSC	
226804	15N	07E	24	CDDD	SPRING	5080			6.6	495	7.8	374FLTD	
226797	15N	07E	24	DDBA	WELL	5260	120	5232	7.4	453	7.7	374FLTD	
193078	15N	07E	25	DBDB	WELL	4940	200	4932	7.7	860	9.0	500GNSC	
231260	16N	01E	5	CDCC	SPRING	4600			14.9	248	7.26	211ADLM	
222502	16N	01E	15	BDAC	WELL	4155	27.5		9.1	440	7.12	110SNGR	
210290	16N	01E	15	BDAD	WELL	4155	60	4143				217VGHN	
72249	16N	02W	2	CCDD	WELL	3440	135	3381	10.6	289	7.58	211ADLM	
164049	16N	02W	3	DDDC	WELL	3390	31	3378				110SNGR	
72232	16N	02W	3	DDDD	WELL	3390	22	3377	12	538	7.49	110SNGR	
196471	16N	02W	10	DDAB	WELL	3435	48	3405	8.9	217	7.15	110SNGR	
138612	16N	02W	16	CCCA	WELL	3610	275	3543	13.2	360	7.97	211ADLM	
132345	16N	02W	16	DADC	WELL	3420	25	3407	12.7	425	7.64	110SNGR	yes
162327	16N	02W	17	BAAC	WELL	3750	550	3712	14.3	363	7.92	211ADLM	
126165	16N	02W	17	BADB	WELL	3720	115	3677	11.1	387	7.74	211ADLM	
219503	16N	02W	17	CDDC	WELL	3480		3442				211ADLM	
160397	16N	02W	19	AACA	WELL	3565	198	3420	12.8	305	8.21	110SNGR	
234365	16N	02W	19	ADAC	WELL	3570	285	3422	15.1	514	8.34	211ADLM	
137214	16N	02W	20	ABAA	WELL	3425	40	3406	8.9	461	7.68	110SNGR	
72344	16N	02W	20	BBCA	WELL	3520	113	3433	13.9	278	7.79	211ADLM	
72325	16N	02W	20	CADB	WELL	3440	35	3422	11	373	7.89	110SNGR	
177026	16N	02W	21	ABBC	WELL	3420	146	3406	11.7	322	8.42	110SNGR	
227216	16N	02W	21	ABCB	WELL	3420	18.5	3408				110SNGR	
177027	16N	02W	21	BBDD	WELL	3475	43	3452	10.3	388	7.72	110SNGR	
209166	16N	03W	13	ABBC	WELL	3595	260	3525		388	7.89	211ADLM	
189608	16N	03W	13	DBBD	WELL	3460	100	3450	10.2	344	7.84	211ADLM	yes
228022	16N	05E	4	CADD	SPRING	4860			7.9	490	7.8	330MDSN	
228018	16N	05E	4	CBBB	SPRING	4940			8.4	493	7.4	330MDSN	yes
241563	16N	05E	6	ACAD	SPRING	4960			10.9	423	7.8	330MDSN	
28044	16N	05E	7	DAAC	WELL	4900	30	4891	9.4	493	7.4	330MDSN	yes
241562	16N	05E	7	DAAC	WELL	4900	60	4852				330MDSN	
182067	16N	05E	30	DBCC	WELL	5435	100	5429				330MDSN	
28054	16N	06E	4	ACCD	WELL	4620	180	4496	8	493	7.4	330MDSN	yes
178870	16N	06E	31	DCCD	WELL	4610	27	4595	8	349	7.6	112SNGR	
232213	16N	07E	3	CCDD	SPRING	4950			15.8	1096	7.1	330MDSN	
193098	16N	07E	4	CACA	WELL	4940	185	4871	7.4	1734	7.4	331KBBY	
177710	16N	07E	5	DDCB	WELL	4885	171	4742	8.9	782	7.8	330MDSN	
177711	16N	07E	6	DBAC	WELL	4770	121	4668				330MDSN	
28063	16N	07E	6	DBBA	WELL	4805	90	4734	9.2	623	7.5	331KBBY	
231727	16N	07E	10	DCBB	SPRING	5360			12.7	638	7.5	331OTTR	
186360	16N	07E	14	DCDB	WELL	5270	100	5245	10.9	512	7.6	330MDSN	
228030	16N	07E	15	BBAA	WELL	5140	160	5026	1.2	833	7.3	330MDSN	
198014	16N	07E	22	BBBB	WELL	5310	102	5274	7.8	530	7.5	330MDSN	
228031	16N	07E	27	ACDC	WELL	4840	570		9.5	587	7.6	330MDSN	
186362	16N	07E	33	DDAB	WELL	4590	178	4466	7.7	325	8.0	341JFRS	yes
222409	17N	01E	6	ABAB	WELL	3355	16		12.4	3130	7.64	111SNGR	
29478	17N	01E	6	CAAA	WELL	3345	155		10.6	1176	8.08	112SNGR	
160540	17N	01E	9	DAAB	WELL	3465	75	3450	9.8	1180	7.92	217BLGR	yes
193103	17N	01E	9	DACC	WELL	3470	140	3459	9.7	1065	7.89	217BLGR	
193104	17N	01E	10	BCCA	WELL	3460	60	3443				217VGHN	
210295	17N	01E	11	CCBA	WELL	3515	50	3499				217VGHN	
176668	17N	01E	13	BDDD	WELL	3805	101	3771	9.4	626	7.9	217VGHN	
29488	17N	01E	22	ACAC	WELL	3555	110	3528	10.4	1880	9.2	217BCKF	
186391	17N	01E	22	ACCB	WELL	3540	61	3525	10.1	639	7.27	111ALVM	
29491	17N	01E	27	AAAD	WELL	3600	86		10.2	906	7.77	217VGHN	
168713	17N	01E	28	CBBA	WELL	3675	90	3653	9.5	1287	7.57	211FRDG	
220735	17N	01E	35	CABC	SPRING	3760			13.2	413	7.18	111ALVM	yes
72918	17N	01W	1	BBBC	WELL	3350	20	3337	11.6	756	7.34	111SNGR	
169464	17N	01W	2	BBAD	WELL	3370	40	3339	12.3	1070	7.53	112SNGR	
209225	17N	01W	11	AAAB	WELL	3353	90	3344	10.4	789	7.9	112SNGR	yes
122242	17N	01W	11	AABD	WELL	3350	30	3342	11.9	1722	7.63	111SNGR	
136566	17N	01W	17	CDBC	WELL	3365	38	3354	8.9	434	7.81	111SNGR	yes
162326	17N	01W	17	DADC	WELL	3370	130	3361	9.5	310	7.91	112SNGR	yes
72951	17N	01W	22	BCDC	WELL	3370	40	3354	10.1	591	7.81	111SNGR	yes
196548	17N	01W	22	BDDD	WELL	3370	40	3354				111SNGR	
72954	17N	01W	26	BAAB	WELL	3400	47	3369	10	200	7.67	211ADLM	yes
196549	17N	01W	26	BBDC	WELL	3420	23	3398	11.2	344	7.25	112SNGR	
196550	17N	01W	27	CBCB	WELL	3380	18	3361	10.6	516	7.64	111SNGR	
72957	17N	01W	29	ADDA	WELL	3405	51		12.3	545	7.8	112SNGR	
72958	17N	01W	30	BDBD	WELL	3390	79	3377	11.2	396	7.79	112SNGR	
181868	17N	02E	1	AAAB	WELL	3460	260	3294	12.2	650	7.17	330MDSN	yes
29502	17N	02E	1	ABCC	WELL	3425	39	3415	11.3	430	7.64	112SNGR	yes
29531	17N	02E	1	DCDC	WELL	3435	65	3426	10.1	642	7.16	221MRSN	
213447	17N	02E	2	CAAA	WELL	3470	130	3431				217KOTN	
29506	17N	02E	4	BDDB	WELL	3660	60	3648	9.3	756	7.23	217TFHL	yes
29512	17N	02E	4	DAAB	WELL	3700	60	3645	8.3	535	7.44	217TFHL	
182349	17N	02E	26	DADD	WELL	3560	65	3535	10.5	461	7.72	112SNGR	
231141	17N	02E	27	BBCA	SPRING	3800			8.9	536	7.62	217FLOD	
186392	17N	02E	34	ADAA	WELL	3940	200	3874	10.2	2440	6.98	217KOTN	
180201	17N	02E	34	ADAC	WELL	3920	186		9.8	762	7.15	217KOTN	
29523	17N	02E	34	ADDB	WELL	3920	56	3901	12.4	621	7.05	217KOTN	
123432	17N	02E	34	ADDB	WELL	3920	75		9.6	591	7.07	217KOTN	
193159	17N	02E	34	ADDB	WELL	3890	410		11.2	2010	7.45	217KOTN	
189661	17N	02W	25	DCCD	WELL	3395	200	3373	10.6	330	8.4	211ADLM	
72972	17N	02W	26	DDDA	WELL	3485	135	3379	10.8	320	7.71	211ADLM	yes
72973	17N	02W	26	DDDA	WELL	3487	144	3379	10.2	318	7.69	211ADLM	yes
72977	17N	02W	35	DBAC	WELL	3440	140	3384	11.1	321	7.76	211ADLM	
72967	17N	02W	36	ABBB	WELL	3390	100	3372	10.4	320	8.37	211ADLM	
29526	17N	03E	3	ACDB	WELL	3805	50	3791	8.1	557	7.57	217KOTN	yes
230851	17N	03E	3	DBAC	SPRING	3795			6.7	611	7.35	217KOTN	
29527	17N	03E	4	AACC	WELL	3730	172	3699	9.4	600	7.29	217KOTN	
29530	17N	03E	6	BBCB	WELL	3455	112		11.3	580	7.38	217KOTN	yes
29540	17N	03E	12	BADC	WELL	4150	220	4020	8.9	434	6.86	221MRSN	yes
29551	17N	03E	23	ACDD	WELL	4311	82	4248	8.9	507	7.29	221MRSN	
186393	17N	03E	26	BABA	WELL	4350	160	4316	9.3	395	6.9	221MRSN	
159212	17N	04E	2	BDAB	WELL	4280	286	4153	13.9	435	7.0	217KOTN	
29563	17N	04E	2	BDAC	WELL	4260	unk		15.2	357	6.8	217KOTN	
29568	17N	04E	7	ABAD	WELL	4185	44	4170	9.9	599	7.4	217KOTN	
241569	17N	04E	8	CBDB	WELL	4265	80	4237	10.2		8.1	217KOTN	
29577	17N	04E	14	BBDB	WELL	4410	105	4382	8.8	405	7.3	221SWFT	
182076	17N	04E	20	ABDC	WELL	4460	123	4449	9.8	475	7.3	217KOTN	
241417	17N	05E	3	CDDA	SPRING	4315			8	380	7.3	217KOTN	
241573	17N	05E	6	ABCA	WELL	4440	43	4413				217KOTN	
241574	17N	05E	6	CBBC	WELL	4465	150	4378	9.9	641	7.1	217KOTN	
241572	17N	05E	7	CBAB	WELL	4220	unk	4109	8.4	590	7.0	330MDSN	
232050	17N	05E	11	CBDD	SPRING	4440			12.2	133	7.2	330MDSN	
241570	17N	05E	18	BDBC	WELL	4360	101	4342				221ELLS	
241571	17N	05E	18	DABC	SPRING	4380			10.9	398	6.9	330MDSN	
29589	17N	05E	22	ABBC	WELL	4775	195		8.3	525	7.4	331KBBY	
241115	17N	05W	3	ABDC	SPRING	4175			7.9	341	7.6	221SWFT	
232226	17N	06E	23	BCAA	WELL	4040	210	3918	9.8	462	7.7	331KBBY	yes
29597	17N	06E	23	BCAB	WELL	3950	60	3935	8.9	366	7.6	112SNGR	
232225	17N	06E	23	BCAC	WELL	3960	60	3940				112SNGR	
171335	17N	06E	23	CACB	WELL	4060	220	3904				330MDSN	
228318	17N	06E	23	CCDC	WELL	3970	540		12.4	286	8.0	330MDSN	
171334	17N	06E	23	DBBA	WELL	4380	805		8.9	311	8.1	330MDSN	
222123	17N	06E	27	DCBC	WELL	4420	141	4335	11.8	1662	7.5	330MDSN	
231726	17N	07E	15	BACA	SPRING	4340			9.9	1147	7.4	331OTTR	
176670	17N	07E	31	CCCD	WELL	4790	150	4673	8.7	1005	7.4	330MDSN	yes
30431	18N	01E	1	ABDB	WELL	3360	20		10	1550	7.21	111SNGR	yes
190672	18N	01E	3	ADBB	WELL	3350	162	3342	11.4	5760	7.31	112SNGR	yes
216921	18N	01E	4	CCDC	WELL	3345	185	3344	10.4	5120	7.78	112SNGR	
224682	18N	01E	8	AADA	WELL	3350	15.7	3338	13.8	2950	7.63	111SNGR	
230949	18N	01E	10	DDDA	SPRING	3390			8.9	1232	9.06	217VGHN	
180016	18N	01E	11	CCCB	WELL	3380	60	3362				217VGHN	
30441	18N	01E	11	DAAD	WELL	3379	99		10.7	869	7.76	217BCKF	yes
176679	18N	01E	20	CACC	WELL	3350	115	3340	10.6	1892	7.5	112SNGR	
30452	18N	01E	29	CADD	WELL	3375	185	3349				217VGHN	
73241	18N	01W	8	BCCB	WELL	3560	27		10.4	771	7.38	111SNGR	
222652	18N	01W	16	CDDA	SPRING	3940			10.9	330	7.77	211ADLM	
222647	18N	01W	18	DDCD	SPRING	3900			10.7	416	7.87	211VRGL	
209234	18N	01W	26	ABCB	WELL	3370	80	3342	10.7	5370	7.33	112SNGR	
200025	18N	01W	26	BBAB	WELL	3420	140	3380	13.8	3750	8.34	211KVIN	
182344	18N	01W	26	BBCA	WELL	3525	89	3471	13.2		7.82	211KVIN	yes
169471	18N	01W	26	BBDA	WELL	3425	70	3402				211KVIN	
177603	18N	01W	26	BBDB	WELL	3460	155	3390				211KVIN	
199031	18N	01W	26	CACD	WELL	3430	120	3377	11.6	892	7.7	211KVIN	yes
220708	18N	01W	27	CBDC	SPRING	3770			12.5	385	8.01	211ADLM	yes
120518	18N	01W	34	AABA	WELL	3580	2148		23	596	7.51	330MDSN	yes
224764	18N	02E	6	CCBA	WELL	3420	100	3384	11.2	2010	7.16	217BCKF	
231259	18N	02E	6	CCBB	WELL	3405	110	3381	11	1320	7.33	217BCKF	
30461	18N	02E	9	DAAA	WELL	3670	440		7.3	1042	7.81	217KOTN	
30470	18N	02E	17	BBBB	WELL	3570	20	3561	8.1	1370	7.64	111SNGR	
156834	18N	02E	17	DCCD	WELL	3600	75	3586	10	800	7.89	217FLOD	
198022	18N	02E	18	BCBB	WELL	3660	80	3632	10.4	768	7.69	217BLGR	
30479	18N	02E	25	CCDD	WELL	3420	51		10.2	469	7.58	217KOTN	
166170	18N	02E	36	BACB	WELL	3435	75		10.4	648	7.28	217KOTN	
241428	18N	03E	10	CBAA	SPRING	3870			8.3	702	7.6	217BCKF	
241418	18N	03E	10	DBDD	SPRING	3800			9.5	1691	8.2	217KOTN	
241435	18N	03E	13	ADDA	SPRING	4180			12.8	892	7.9	217BCKF	
241448	18N	03E	13	CCCD	SPRING	4180			9	833	7.6	217BCKF	
241447	18N	03E	14	DDAD	SPRING	4140			8	946	7.4	217BCKF	
241431	18N	03E	15	BADA	SPRING	4015			8.1	720	8.2	217BCKF	
241027	18N	03E	17	CDCD	SPRING	3960			10.1	490	8.2	217BCKF	
30501	18N	03E	21	AACB	WELL	4115	70	4073	9.7	682	7.2	217BCKF	yes
223462	18N	03E	21	ADBA	WELL	4105	620	3940	10.8	1325	7.4	221SWFT	
241446	18N	03E	24	CABA	WELL	4315	230	4133				217KOTN	
241445	18N	03E	24	CBDA	SPRING	4080			9.4	1352	7.3	217KOTN	
241444	18N	03E	25	BCCD	SPRING	4040			10.8	1208	7.8	217KOTN	
30504	18N	03E	29	BCBA	WELL	4100	55		13.4	558	7.01	217FLOD	
123447	18N	04E	2	DDDD	WELL	4030	115	3986		603	8.0	217KOTN	
180017	18N	04E	10	AACA	WELL	3720	480	3298	12.4	574	7.5	330MDSN	yes
240565	18N	04E	11	BBAB	SPRING	3890			13	669	8.1	217KOTN	
123476	18N	04E	14	DDCC	WELL	3940	125	3861	10.8	997	6.4	217KOTN	
241026	18N	04E	14	DDDC	SPRING	4030			9.8	651	7.5	217KOTN	
241449	18N	04E	18	AAAC	SPRING	4210			8.1	1861	6.9	217BCKF	
138995	18N	04E	24	ADDA	WELL	4150	200	3958		445	8.1	217KOTN	
241034	18N	04E	26	ABDC	WELL	4060		4046	12.7	880	7.1	217KOTN	
241109	18N	04E	27	CABA	SPRING	4105			13.2	735	7.7	217KOTN	
186420	18N	04E	31	BDDA	WELL	3875	80	3849	11.8	702	7.4	217KOTN	
176686	18N	04E	32	CCBA	WELL	3890	60	3884	10.9	818	7.1	217CBNK	yes
149857	18N	05E	5	CDCA	WELL	3930	40					217KOTN	
162423	18N	05E	6	CCAB	SPRING	3740						221SWFT	
141006	18N	05E	7	BBDC	WELL	3810	725		12.4	516	7.5	330MDSN	yes
176687	18N	05E	7	BCDB	WELL	3810	134	3790	10	648	7.3	221SWFT	yes
216875	18N	05E	10	BCCD	WELL	3795	765	3287	12.7	444	7.7	330MDSN	
30537	18N	05E	11	DCCC	WELL	4240	90		15.8	627	7.7	217SBRS	
241567	18N	05E	12	ADBA	WELL	4130	1000		12.1	503	7.4	330MDSN	
196499	18N	05E	15	DDAB	WELL	4240	100	4200	10.5	642	7.4	217KOTN	
138996	18N	05E	18	BADA	WELL	3910	80	3892	10.6	492	7.5	217KOTN	
2174	18N	05E	18	BBAB	SPRING	3875			10.4	604	7.2	111SNGR	
136885	18N	05E	19	DDBA	WELL	4240	70	4196	8.9	673	7.2	217KOTN	
30542	18N	05E	24	BCDB	WELL	4400	65	4376	11.6	730	7.7	217KOTN	yes
171337	18N	05E	26	ACAA	WELL	4390	160	4271	9.6	1116	7.1	217KOTN	
193185	18N	05E	26	ADBA	WELL	4405	198					217KOTN	
30543	18N	05E	26	ADBB	WELL	4390	18	4384				217KOTN	
178658	18N	05E	31	DCCC	WELL	4465	80	4402				217KOTN	
142661	18N	05E	36	CAAA	WELL	4470	480	4269	10.5	358	6.8	330MDSN	yes
146617	18N	06E	1	DABC	WELL	3590	120	3554				221SWFT	
193844	18N	06E	1	DABD	WELL	3590	445	3290	10.6	547	7.5	330MDSN	
30554	18N	06E	1	DADD	WELL	3600	103	3572				221SWFT	
129207	18N	06E	1	DADD	WELL	3600	545		13.3	490	7.6	330MDSN	yes
207463	18N	06E	3	BCAC	WELL	4050	56.3	4027				217SBRS	
231697	18N	06E	12	CAAD	SPRING	3740			15.8	519	7.0	217KOTN	
180021	18N	06E	14	BDBA	WELL	3900	200	3816				217KOTN	
196148	18N	06E	14	BDBC	WELL	3900	800		12.9	554	7.5	330MDSN	yes
199851	18N	06E	15	CCCB	WELL	4145	160	4049	9.6	498	7.5	217CBNK	yes
132172	18N	06E	17	CACA	WELL	4380	200	4358				217CBNK	
30562	18N	06E	21	BABB	WELL	4275	35	4257	9.4	492	7.3	217SBRS	yes
215677	18N	06E	24	DACB	WELL	3720	95	3672	15.6	369	7.6	221SWFT	yes
231678	18N	06E	25	DCBA	WELL	3740	35	3728				221SWFT	
30567	18N	06E	25	DCDC	WELL	3740	50	3727	11.1	409	7.5	221SWFT	
171339	18N	06E	30	DABB	WELL	4330	162	4211	11.5	598	7.5	217KOTN	
227972	18N	06E	36	ACCD	WELL	4760	10	4752	15.8	367	7.5	112SNGR	
123477	18N	07E	6	CCBC	WELL	3595	403		10.3	436	7.5	330MDSN	
231702	18N	07E	21	BDBC	SPRING	3840			12.4	482	7.4	217KOTN	
132173	18N	07E	24	ADDB	WELL	4125	140	4071	8.8	662	7.3	217KOTN	yes
228033	18N	07E	34	AAAC	SPRING	3960			15.1	416	7.4	217KOTN	
138998	19N	01E	13	DCDD	WELL	3340	200	3317	13	1221	7.72	112GFLK	
124235	19N	01E	15	DDCC	WELL	3360	590	3354	13.8	2850	8.61	217KOTN	yes
120973	19N	01E	17	AACA	WELL	3460	1455	3289	14.5	607	7.5	330MDSN	yes
200298	19N	01E	17	AACB	WELL	3460	90	3426	11.9	4140	8.56	217BCKF	yes
138633	19N	01E	22	ACBC	WELL	3375	155	3344	12.4	4070	8.73	217BCKF	
154360	19N	01E	24	CBAB	WELL	3330	156	3316	13.7	2010	7.28	112SNGR	yes
123481	19N	01E	27	ADDC	WELL	3365	175	3341	12	3640	7.14	217BCKF	
230839	19N	02E	2	BDAB	SPRING	3480			16.6	1186	7.73	217FLOD	
230840	19N	02E	2	CBAA	SPRING	3340			16.4	1131	7.59	217FLOD	
31722	19N	02E	5	ACAB	WELL	3350	192	3344	15.7	1102	7.5	112SNGR	yes
224120	19N	02E	5	ACCA	WELL	3340	28		10.7	2530	7.4	112SNGR	yes
145592	19N	02E	5	BAAA	WELL	3350	151	3328	15.7	2790	8.0	217FLOD	
183174	19N	02E	5	BBAA	WELL	3349	480	3326				217KOTN	
156836	19N	02E	5	BBAB	WELL	3351	160	3325	14	4740		217FLOD	
146676	19N	02E	6	AABB	WELL	3365	430	3292				217KOTN	
176699	19N	02E	7	ABDA	WELL	3340	215	3324	19.6	3920	7.69	112SNGR	
31730	19N	02E	7	CCCC	WELL	3346	206		15.8	3860	8.51	112SNGR	
219452	19N	02E	8	ADAC	WELL	3340	195.5	3320	16.7	1440	7.36	112SNGR	
217818	19N	02E	12	BABB	WELL	3365	455		14	1414	6.9	330MDSN	yes
182087	19N	02E	12	BDAD	WELL	3335	111	3304	12.1	1323	6.9	112SNGR	yes
198032	19N	02E	15	CBBA	WELL	3340	212	3316	12.9	2320	7.32	112SNGR	
31738	19N	02E	15	CBBB	WELL	3330	24	3316				111SNGR	
234183	19N	02E	18	BCAD	WELL	3350	26		19.7	799	7.26	111SNGR	
215127	19N	02E	18	BDCC	WELL	3345	236	3329	15.6	2590	7.4	112SNGR	
206093	19N	02E	19	CAAC	WELL	3345	70	3320	12.6	1635	7.59	217TFHL	
31742	19N	02E	22	ADAD	WELL	3340	145	3292	14.5	1105	7.46	112SNGR	
31741	19N	02E	22	DDDC	WELL	3340	150	3280	16.3	835	7.53	112GFLK	
31743	19N	02E	26	ACBB	WELL	3370	156	3294	14.7	862	7.31	112GFLK	
230945	19N	02E	33	ABBB	SPRING	3500			8.9	805	8.16	217FLOD	
130333	19N	02E	33	BAAA	WELL	3405	125		12.7	1561	7.49	112SNGR	
187652	19N	02W	7	BDCD	WELL	3600	100	3580				211FRDG	
145597	19N	03E	2	BCCD	WELL	3525	400		12.4	1321	7.4	330MDSN	
177471	19N	03E	4	BBAB	WELL	3460	510	3256	13.7	1608	7.2	330MDSN	
31790	19N	03E	5	AACC	WELL	3475	433	3298	12.9	1598	7.0	330MDSN	
214952	19N	03E	6	CDBC	WELL	3350	450	3311				217KOTN	
214952	19N	03E	6	CDBC	WELL	3350	450	3311				217KOTN	
214445	19N	03E	6	DACB	WELL	3350	360	3302	13.3	1109	7.2	330MDSN	
241443	19N	03E	6	DACB	WELL	3350	44	3319				112SNGR	
214464	19N	03E	8	ADCA	WELL	3330	205	3289	12.9	987	7.6	112SNGR	yes
240589	19N	03E	9	DCCA	SPRING	3395			9.8	924	8.3	217KOTN	
146645	19N	03E	9	DDCD	WELL	3370	250	3291	12.3	1420	7.1	330MDSN	
204692	19N	03E	10	BBDC	WELL	3330	460	3285	13.3	1354	7.1	330MDSN	yes
31800	19N	03E	10	CDBA	WELL	3330	170	3289	13.6	1215	7.3	221MRSN	
241566	19N	03E	11	CDAB	WELL	3335	320	3292	13.2	1569	7.2	330MDSN	
32246	19N	03E	12	ABDC	WELL	3340	55	3285	12.2	1081	7.1	330MDSN	yes
31805	19N	03E	12	BACD	WELL	3430	200	3289	12.2	1317	7.1	217KOTN	
31814	19N	03E	12	DCAC	WELL	3370	93	3300	11.8	1207	7.1	217KOTN	
213240	19N	03E	12	DCAC	WELL	3365	86	3301				330MDSN	
31829	19N	03E	14	ABCD	WELL	3345	135	3303	11.4	1151	6.9	330MDSN	
184412	19N	03E	17	DBCC	WELL	3500	380	3286				330MDSN	
182487	19N	03E	18	ACCD	WELL	3480	390					330MDSN	
240150	19N	03E	23	BCCB	WELL	3335	80	3292	11.5	820	7.2	217KOTN	
241436	19N	03E	23	CACC	SPRING	3555			13.3	1338	7.7	217KOTN	
31843	19N	03E	24	CCDB	WELL	3665	435	3291	18.1	932	7.5	330MDSN	
33272	19N	03E	26	CCCC	WELL	3660	80	3614	11.7	1173		217KOTN	
31849	19N	03E	29	CCAB	WELL	3890	50	3828				217BCKF	
145599	19N	03E	29	CCAC	WELL	3890	160	3804	11.6	723	7.5	217KOTN	
234606	19N	04E	8	DCDD	WELL	3670	683	3290	14.1	2290	7.1	330MDSN	
31891	19N	04E	9	CACA	WELL	3650	100					217KOTN	
126078	19N	04E	9	CACA	WELL	3650	450	3291	14.5	1285	7.1	330MDSN	
2242	19N	04E	12	BDCC	WELL	3495	70	3453	10.5	861	7.3	217KOTN	
2247	19N	04E	13	AADD	WELL	3435	185	3287	13.3	676	7.3	330MDSN	yes
230686	19N	04E	14	CCDA	WELL	3710	636		13.9	674	7.4	330MDSN	
31892	19N	04E	16	BAAB	WELL	3620	400	3283	16.5	772	7.3	330MDSN	
31890	19N	04E	16	BBAB	WELL	3620	30	3601				217KOTN	
240583	19N	04E	17	AACC	SPRING	3510			9	888	9.1	330MDSN	
224902	19N	04E	17	ABAD	WELL	3650	200	3492	13.3	2370	6.7	217KOTN	
184413	19N	04E	23	BCAA	WELL	3705	33	3692	11.9	767	7.4	217KOTN	
186474	19N	04E	23	BCAA	WELL	3715	700	3294	14.2	771	7.3	330MDSN	
31901	19N	04E	27	DBBC	WELL	3830	219	3778	11.1	1152	7.4	217KOTN	
123496	19N	04E	27	DBBC	WELL	3830	99	3755	10.7	791	7.2	217KOTN	yes
240349	19N	04E	27	DBCB	WELL	3835	19					217KOTN	
31903	19N	04E	28	AAAA	WELL	3815	81	3768	12	1235	6.9	217KOTN	
31904	19N	04E	28	AABD	WELL	3845	290	3727	12.1	1392	7.0	217KOTN	
154373	19N	04E	30	DBAB	WELL	3885	150	3764				217KOTN	
196149	19N	04E	30	DBAC	WELL	3895	800		14.4	535	7.7	330MDSN	
31910	19N	04E	34	BBBC	WELL	3950	270	3777	10.9	1176	7.0	217KOTN	yes
2284	19N	04E	36	DBBC	WELL	3630	830					330MDSN	
33616	19N	05E	1	BDBC	WELL	3720	578	3304	11.7	685	7.5	330MDSN	
180211	19N	05E	1	CCBC	WELL	3515	280	3286	10.8	647	7.3	330MDSN	
139023	19N	05E	5	CADA	WELL	3701.2	540	3290	13.1	598	7.4	330MDSN	
145602	19N	05E	6	BDBC	WELL	3450	220	3297	13.1	602	7.4	330MDSN	
31921	19N	05E	12	ABAB	WELL	3535	74	3506	10.3	932	7.4	217KOTN	
122947	19N	05E	19	ABDA	WELL	3465	300	3283	12.1	712	7.6	330MDSN	yes
31942	19N	05E	23	ADCB	WELL	3830	220		11	716	7.4	217CBNK	
184416	19N	05E	23	BCBC	WELL	3760	661	3281	12.6	726	7.5	330MDSN	
236005	19N	05E	27	AABD	WELL	3835	27	3829		731	6.9	217SBRS	yes
31945	19N	05E	27	BBCD	WELL	3915	70		9.8	634	7.7	217KOTN	
240570	19N	05E	27	BBCD	WELL	3915	23	3909				217KOTN	
241568	19N	05E	33	CDBA	SPRING	3970			9.8	713	7.3	217KOTN	
31952	19N	06E	3	CDBA	WELL	3695	12	3694	12.6	1037	7.7	217KOTN	yes
31957	19N	06E	4	DDBA	WELL	3715	140	3634	10.4	1166	7.1	217SBRS	yes
214079	19N	06E	5	CCDD	WELL	3735	13	3731	9.1	984	7.7	217KOTN	
202581	19N	06E	12	BBBB	WELL	3430	35	3420	13.2	692	7.4	111SNGR	yes
207649	19N	06E	16	CCDC	WELL	3640	30		9	825	7.4	217KOTN	
31978	19N	06E	21	ACDC	WELL	3860	670		11.1	694	7.5	330MDSN	yes
31992	19N	06E	23	BADA	WELL	3494	75		11.6	503	7.5	221SWFT	yes
145604	19N	06E	23	BDAB	WELL	3495	66	3446	11.1	688	7.1	221SWFT	yes
31981	19N	06E	23	CDAA	WELL	3495	300					330MDSN	
2315	19N	06E	26	ACAD	WELL	3515	435	3287				330MDSN	
188537	19N	06E	26	ACAD	WELL	3515	440		10.2	574	7.77	330MDSN	yes
2316	19N	06E	26	ACCC	WELL	3515	375					330MDSN	
132766	19N	06E	26	ACCC	WELL	3515	379					330MDSN	yes
207258	19N	06E	29	DBAD	WELL	3770	72	3737	10.7	733	7.1	217CBNK	
185917	19N	06E	31	CBBB	WELL	4005	63	3994	9	9.21	7.7	217KOTN	
241032	19N	06E	31	CBBB	WELL	4005	40	3993				217KOTN	
241030	19N	06E	31	CCCC	SPRING	4080			9.1	1067	7.5	217KOTN	
32015	19N	06E	32	DCCA	WELL	3850	32	3836	10	667	7.3	111SNGR	yes
207672	19N	06E	34	CCCA	WELL	4019	unk		9.7	617	7.4	217KOTN	yes
165475	19N	06E	36	BABB	WELL	3550	50	3540	10	653	7.7	221MRSN	yes
32040	19N	06E	36	DABB	WELL	3570	41		9.9	523	7.7	112SNGR	
32050	19N	06E	36	DCDC	WELL	3630	47	3606				217KOTN	
211610	19N	06E	36	DCDC	WELL	3630	490	3293	9.8	548	7.7	330MDSN	yes
232032	19N	07E	3	ABCA	WELL	3660	400		14	1930	7.2	217KOTN	
128961	19N	07E	3	CBBA	WELL	3610	55	3608				112SNGR	
241433	19N	07E	6	CCAC	SPRING	3360			10.7	1104	7.9	217KOTN	
231957	19N	07E	10	DABB	WELL	3740	700		14.2	981	7.3	330MDSN	
32061	19N	07E	18	CDCB	WELL	3765	135	3646	10.2	3270	7.2	217KOTN	
212233	19N	07E	18	CDCB	WELL	3765	380	3512	11.1	1703	7.1	217CBNK	yes
32062	19N	07E	18	DCAB	WELL	3840	75	3793	9.9	3100	8.1	217KOTN	
208459	19N	07E	19	CBAD	WELL	3875	750					330MDSN	
32064	19N	07E	19	CBCA	WELL	3875	82					217KOTN	
184246	19N	07E	19	CBCA	WELL	3875	890		11.8	511	7.7	330MDSN	yes
186484	19N	07E	21	DDDA	WELL	3905	680		12.9	1437	6.9	221SWFT	
173631	19N	07E	23	ACCA	WELL	3930	140	3892	10.5	4320	8.5	217BCKF	
186486	19N	07E	32	BADA	WELL	3790	200		10.2	2630	7.3	217SBRS	yes
220255	19N	07E	36	BCDB	WELL	4265	420	4192	14.4	734	7.1	217BCKF	
231939	19N	08E	8	CCDC	SPRING	4260			10.4	595	6.8	217BLGR	
139026	19N	08E	28	ABAA	WELL	4400	135	4329	9.1	1101	8.4	217BCKF	
231943	19N	08E	28	ABDC	SPRING	4310			9.9	822	6.9	217BCKF	
231922	19N	08E	32	ADAA	SPRING	4365			9.2	558	7.4	217BCKF	
204712	19N	08E	33	ABAD	WELL	4490	91	4469	9.2	422	7.0	217BCKF	yes
32077	19N	08E	33	ABDA	WELL	4480	100					217BCKF	
32078	19N	08E	33	ABDA	WELL	4480	28	4474				217BCKF	
230837	20N	01E	25	DDCC	WELL	3380	40	3368	11.7	6190	7.28	217FLOD	
230610	20N	01E	29	AADC	WELL	3725	42	3710	10.8	1268	7.71	217BLGR	
225308	20N	01W	2	BDCB	WELL	3480	180	3410	13.5	8410	8.16	211MRRV	yes
225308	20N	01W	2	BDCB	WELL	3480	180	3410	13.5	8410	8.16	211MRRV	yes
121622	20N	01W	3	ABDC	WELL	3448	50	3413	10.5	2400	7.4	112SNGR	yes
2394	20N	02E	1	AABA	WELL	3330	605	3289	12.8	1875	7.15	330MDSN	yes
2395	20N	02E	1	CCCB	WELL	3410	130	3321	11.2	1985	8.93	217KOTN	yes
32828	20N	02E	2	BBBA	WELL	3331	200		14.3	3900	7.59	112SNGR	
228935	20N	02E	2	CCAD	WELL	3390	750	3288		1630	7.47	330MDSN	
230598	20N	02E	2	CDBA	SPRING	3410			18.7	3790	7.46	217FLOD	
32844	20N	02E	3	BBAB	WELL	3395	90	3338	14.6	4110	8.14	217FLOD	
230607	20N	02E	4	CABA	SPRING	3380			15.1	2330	7.44	217FLOD	
125518	20N	02E	5	ACBB	WELL	3425	90	3357	10.9	3740	7.31	217FLOD	
230594	20N	02E	9	BACC	SPRING	3415			11.5	1678	7.5	330MDSN	
227901	20N	02E	12	ADBA	SPRING	3480				1137	8.33	330MDSN	yes
195359	20N	02E	12	BABB	WELL	3420	117	3323	10.3	2020	8.84	217FLOD	
32876	20N	02E	13	CACC	WELL	3590	58	3551				217FLOD	
223151	20N	02E	14	DDAD	WELL	3565	60	3532				217FLOD	
32877	20N	02E	15	DAAD	WELL	3530	43					217BCKF	
32883	20N	02E	20	CDDC	WELL	3450	560		13.2	2550	7.6	217KOTN	
32884	20N	02E	22	DCCB	WELL	3620	194	3504				217BCKF	
32886	20N	02E	25	CCDD	WELL	3655	110	3607	9.8	708	7.73	217FLOD	
32890	20N	02E	28	ADAD	WELL	3520	780		14.4	548	7.81	330MDSN	yes
32892	20N	02E	30	ACBA	WELL	3390	30	3383	12.2	3360	7.06	112GFLK	
190684	20N	02E	30	CABA	WELL	3400	70	3368	10.8	4310	7.4	217FLOD	yes
177300	20N	02E	32	DCBA	WELL	3350	147	3326	12.8	955	7.76	217KOTN	
145611	20N	02E	34	AADC	WELL	3620	600		16.1	1764	7.52	217KOTN	
195611	20N	02W	7	ACCD	WELL	3540	36	3534	15	565	7.34	111SNGR	
74295	20N	02W	9	DCCB	WELL	3510	37	3501	9.5	543	7.62	111SNGR	
230677	20N	02W	11	ABCD	WELL	3510	40	3497	8.3	1273	6.29	111SNGR	
204605	20N	02W	11	DCCC	WELL	3535	25	3518	11.8	693	6.46	111SNGR	
164956	20N	02W	18	ABBB	WELL	3546	34	3540	11.5	639	7.15	111SNGR	
187666	20N	02W	35	DCAC	WELL	3700	2301		17.7	604	7.33	330MDSN	yes
221695	20N	03E	4	BBBB	WELL	3405	500	3215	13.6	3110	7.8	221SWFT	
201944	20N	03E	4	DBCC	WELL	3320	95	3303	10.6	4020	7.3	112SNGR	
171141	20N	03E	5	BCBC	WELL	3325	145	3310	11	1597	8.2	112SNGR	
32981	20N	03E	6	BADC	WELL	3325	158	3309	11.6	2460	7.7	112SNGR	
32986	20N	03E	6	DCDC	WELL	3360	111	3333				112SNGR	
223123	20N	03E	6	DCDC	WELL	3370	66	3336	12.1	2600	8.4	112SNGR	
32989	20N	03E	6	DDDD	WELL	3340	223	3323	11	1285	8.1	112SNGR	
2397	20N	03E	8	DBCD	WELL	3625	805	3280	15.5	1808	7.4	330MDSN	
203945	20N	03E	9	DBDC	WELL	3395	255	3295	11.8	2310	7.4	217KOTN	
223121	20N	03E	9	DCAA	WELL	3425	340		11.6	2390	7.6	217KOTN	
33032	20N	03E	9	DDAB	WELL	3355	70	3326	10.8	1262	7.0	111SNGR	yes
150445	20N	03E	11	AACA	WELL	3325	375	3272	12.9	1036	7.2	330MDSN	
33038	20N	03E	11	ABBA	WELL	3320	369					330MDSN	
179562	20N	03E	11	ADDD	WELL	3320	100	3302	11.5	3060	9.2	217KOTN	
179561	20N	03E	11	DAAD	WELL	3320	58	3304	16.2	2320	7.7	217KOTN	
173678	20N	03E	13	BDDD	WELL	3440	460	3282	12.6	1071	7.2	330MDSN	
195387	20N	03E	13	CCAA	WELL	3355	380	3274	12.4	1513	7.2	330MDSN	
224676	20N	03E	13	DAAD	WELL	3425	80	3393	12.6	1617	7.1	217KOTN	
179563	20N	03E	13	DCAC	WELL	3395	360	3275	12.1	1184	7.3	330MDSN	yes
221412	20N	03E	13	DCDB	WELL	3390	199	3287	11.8	1673	7.2	217KOTN	
125353	20N	03E	13	DCDC	WELL	3390	175	3285	11.6	1796	7.2	217KOTN	yes
132181	20N	03E	14	DDDD	WELL	3320	157	3287	11.8	1655	7.2	112SNGR	yes
125112	20N	03E	20	BBBD	WELL	3655	93	3606	9.9	1472	7.5	217BCKF	
201951	20N	03E	22	CCAD	WELL	3445	600	3287	13.6	1857	7.3	330MDSN	
166476	20N	03E	22	DCCB	WELL	3395	540	3350	12.5	4080	7.1	330MDSN	
157825	20N	03E	22	DDDD	WELL	3355	80	3312	11	2920	7.4	217KOTN	
223124	20N	03E	23	CDBC	WELL	3315	25	3310	12.9	2830	7.5	112SNGR	
33145	20N	03E	23	DADA	WELL	3320	203	3287	12.7	1454	7.1	112SNGR	yes
33178	20N	03E	23	DCDA	WELL	3320	195	3279	12.3	1090	7.3	112SNGR	yes
33188	20N	03E	23	DDBC	WELL	3320	20		12.8	1406	7.4	111SNGR	
223099	20N	03E	23	DDBC	WELL	3320	26	3303				111SNGR	
33152	20N	03E	23	DDCB	WELL	3320	133	3295	12.1	1308	7.4	112GFLK	
157826	20N	03E	24	ACDD	WELL	3415	365	3271	12.9	1747	7.1	330MDSN	
126176	20N	03E	24	BBAA	WELL	3340	115		12.8	1672	7.1	217KOTN	yes
196527	20N	03E	29	DBBB	WELL	3715	100	3661	10.2	1433	7.6	217FLOD	yes
142667	20N	03E	32	CBBD	WELL	3720	580		13.7	2160	7.4	330MDSN	
145615	20N	03E	35	BADD	WELL	3475	421	3280	13	1841	7.2	330MDSN	
33345	20N	03E	35	BDAC	WELL	3505	437		16.3	2060	7.0	330MDSN	
175940	20N	03E	35	DADA	WELL	3350	130	3279	12.3	1148	7.3	217KOTN	yes
149852	20N	03E	36	ABCB	WELL	3330	360	3290	14.8	1685	7.1	330MDSN	yes
123391	20N	03E	36	ADDD	WELL	3335	107	3283	12.8	1351	7.3	112SNGR	yes
74347	20N	03W	9	ACBB	WELL	3635	36	3612	9.8	634	7.31	111SNGR	
215132	20N	03W	13	BAAA	WELL	3570	36	3551	11.5	536	7.43	111SNGR	yes
136923	20N	03W	14	BABB	WELL	3590	38	3564	10.6	731	7.38	111SNGR	
74438	20N	03W	15	ABCA	WELL	3650	110	3640				211KVIN	
74442	20N	03W	24	AAAB	WELL	3605	145	3581	12.3	1377	6.96	211FRDG	yes
222260	20N	04E	4	DBBA	WELL	3425	600	3278				330MDSN	
201968	20N	04E	9	AADB	WELL	3450	536	3277	9.6	875	7.5	330MDSN	
190899	20N	04E	14	DBCC	WELL	3525	527		15.3	711	7.4	330MDSN	yes
2408	20N	04E	16	ADDA	WELL	3500	502	3286				330MDSN	
209912	20N	04E	16	BDCA	WELL	3460	430	3287	11.8	884	7.4	330MDSN	
211107	20N	04E	18	CCCC	WELL	3410	411	3274	11.6	1326	7.1	330MDSN	yes
33477	20N	04E	19	BADC	WELL	3450	200	3299	11.4	2360	6.7	217KOTN	
146634	20N	04E	20	ABBC	WELL	3380	67	3332	11.2	1533	7.2	217KOTN	
223092	20N	04E	20	ACDC	WELL	3350	17	3339				112SNGR	
205736	20N	04E	20	BCCC	WELL	3480	605	3280	13	1350	7.2	330MDSN	
223091	20N	04E	20	DDBB	WELL	3350	215	3282	12	808	7.5	330MDSN	
223098	20N	04E	20	DDCB	WELL	3350	320	3282	11.8	856	7.3	330MDSN	
235689	20N	04E	24	BDAD	WELL	3470	340	3281				330MDSN	
2417	20N	04E	30	AABC	WELL	3465	325					221MRSN	
210668	20N	04E	33	BBAA	WELL	3340	160	3282	11.1	1115	7.3	330MDSN	
201995	20N	04E	33	BBAB	WELL	3345	130	3288	11	2480	6.9	217KOTN	
33569	20N	04E	33	CADA	WELL	3400	150	3284	11	1317	7.1	330MDSN	
216565	20N	04E	36	ADAC	WELL	3420	110		10.9	1103	7.1	217KOTN	yes
145619	20N	04E	36	ADAD	WELL	3410	220	3279				330MDSN	
33583	20N	05E	5	AAAA	WELL	3360	516		10.9	544	8.0	330MDSN	
235414	20N	05E	7	BDDD	WELL	3427	unk		10.8	815	7.9	112SNGR	
136927	20N	05E	10	BDCA	WELL	3340	281	3286	11.8	584	7.5	112GFLK	yes
136928	20N	05E	10	BDCA	WELL	3340	266	3288	7.7	588	8.0	217KOTN	
33594	20N	05E	15	CCCC	WELL	3420	305	3290	11.9	801	7.8	330MDSN	yes
176156	20N	05E	20	AADB	WELL	3460	480	3295	11.9	627	7.4	330MDSN	
157664	20N	05E	22	BBBB	WELL	3420	268	3303	11.8	637	7.6	112SNGR	yes
179569	20N	05E	26	CBAD	WELL	3465	240	3293	11.1	658	7.5	330MDSN	
33603	20N	05E	27	BDCA	WELL	3460	221	3297	11.2	637	7.6	112SNGR	
123394	20N	05E	29	BCDC	WELL	3450	310	3306	12.3	647	7.4	330MDSN	
33621	20N	06E	7	CCCC	WELL	3490	456	3294	11.3	515	7.5	221MRSN	
33618	20N	06E	8	DDAA	WELL	3405	465		11.4	1585	7.3	217KOTN	
241434	20N	06E	14	BADB	SPRING	3640			15.4	1444	8.2	112SNGR	
220187	20N	06E	28	AADD	WELL	3490	390	3280	12.1	677	7.4	330MDSN	
33632	20N	06E	30	ACDC	WELL	3595	350					217KOTN	
123396	20N	06E	30	ACDC	WELL	3595	500	3295	11.3	504	7.8	330MDSN	yes
2448	20N	06E	31	BCCC	WELL	3630	180	3588	11.5	1019	7.5	217KOTN	yes
213386	20N	06E	33	DDDB	WELL	3635	29	3632	8.2	1343	7.5	217SBRS	
132184	20N	06E	34	CBBC	WELL	3605	190	3595	9.8	1348		217KOTN	
164111	20N	06E	35	DADA	WELL	3405	90	3402	10.7	607	7.6	217SBRS	yes
214400	20N	06E	35	DCCD	WELL	3490	235	3403	12.2	714	7.1	217KOTN	
206358	20N	06E	35	DCDB	WELL	3490	202	3426				217KOTN	
219480	20N	07E	9	DADD	WELL	3450	775	3277	14.4	1383	7.5	330MDSN	yes
33650	20N	07E	10	CCDD	WELL	3485	264	3298	12.1	1183	8.3	217KOTN	
217974	20N	07E	13	DAA	WELL	3970	1052		12.8	1190	7.5	330MDSN	
231700	20N	07E	13	DDCB	WELL	3970	unk	3966				217BLGR	
217404	20N	07E	15	BDD	WELL	3530	557		14.6	1705	7.8	217KOTN	
210918	20N	07E	17	CACA	WELL	3450	420	3302	12.7	1238	8.0	217KOTN	yes
217405	20N	07E	22	AA	WELL	3605	875	3296	14.7	1623	7.7	330MDSN	
219483	20N	07E	25	BBC	WELL	3850	1090	3288	9.6	1516	7.6	330MDSN	
186952	20N	07E	31	CDAD	WELL	3580	537	3282	14.3	819	7.5	330MDSN	
33659	20N	07E	35	AACD	WELL	4210	168					217BCKF	
231297	21N	01E	7	BABC	WELL	3700	410	3698	10.7	2640	7.61	217BCKF	yes
34381	21N	01E	11	BCDA	WELL	3405	105	3375	11.3	7740	8.07	112SNGR	yes
34388	21N	01E	23	DDCB	WELL	3345	115		10.5	1157	8.05	112GFLK	yes
34389	21N	01E	24	ACCD	WELL	3365	125	3337				112GFLK	
166932	21N	01E	25	BCCB	WELL	3335	115	3325	12.8	1323	7.87	112SNGR	
34424	21N	01E	26	BDAC	WELL	3350	108	3338	11.1	826	8.06	112GFLK	
34418	21N	01E	26	CDAD	WELL	3340	110	3333	10.8	778	8.74	217TFHL	
136929	21N	01E	27	BCCA	WELL	3355	96	3335	9.9	966	8.02	112GFLK	
34468	21N	01E	27	DCDC	WELL	3345	44	3337				217BCKF	
176168	21N	01E	28	DBBA	WELL	3355	96	3332	11	1005	7.84	112SNGR	
146627	21N	01E	29	DACB	WELL	3365	88	3348	10.9	1016	7.88	112SNGR	
34456	21N	01E	29	DBAA	WELL	3365	88	3351	11	1069	7.74	112GFLK	
166931	21N	01E	30	ACDA	WELL	3380	68	3359	11.2	2940	7.11	112SNGR	
231750	21N	01E	31	BACA	WELL	3370	85	3348	11.3	1117	8.1	112SNGR	
190818	21N	01E	34	DCBD	WELL	3380	120	3338	13.4	12260	7.2	217TFHL	yes
231699	21N	01E	35	BBDB	WELL	3350	146	3329				217TFHL	
206099	21N	01E	36	BCCB	WELL	3410	200	3333	14.5	4600	8.71	217TFHL	yes
75361	21N	01W	1	ADCD	WELL	3765	60	3743	11.9	569	7.63	112SNGR	
75373	21N	01W	3	DDDD	WELL	3885	23	3872	10.7	783	7.6	112SNGR	
165514	21N	01W	4	AABA	WELL	3890	29	3874	11.6	616	7.86	112SNGR	
6112	21N	01W	6	DCCC	WELL	3980	19.5	3974	10.9	468	7.73	112SNGR	yes
231863	21N	01W	7	ADDC	WELL	3965	35	3947	11.1	547	7.6	112SNGR	
168510	21N	01W	7	ADDD	WELL	3965	38	3944	11.1	537	7.52	112SNGR	
231868	21N	01W	8	ADDC	WELL	3955	24		11	627	7.57	112SNGR	
75382	21N	01W	8	DAAB	WELL	3955	42	3939	11.5	696	7.47	112TRRC	
231889	21N	01W	9	BBAB	WELL	3940	13	3935	10	599	7.03	112SNGR	
140799	21N	01W	11	DBAD	WELL	3897	22.8	3890	10.7	721	7.33	112SNGR	yes
231533	21N	01W	14	BADB	WELL	3810	120	3795	11.3	1601	6.82	211FRDG	yes
75398	21N	01W	19	BAAC	WELL	3720	65	3681	10.8	957	7.38	112SNGR	
34569	21N	01W	20	ABAC	WELL	3685	53	3651	10.8	936	7.35	112SNGR	
163369	21N	01W	22	DBCA	WELL	3495	60	3485	11.1	5710	7.3	217BLGR	
149843	21N	01W	23	CACA	WELL	3510	100	3497	12	3460	6.93	217BLGR	
75416	21N	01W	25	CCBC	WELL	3385	60	3377	10.3	1332	7.84	111SNGR	
123420	21N	01W	26	CCBC	WELL	3425	33	3410	10.4	833	7.31	112SNGR	
75427	21N	01W	26	CDBB	WELL	3420	68	3400	18.3	1051	7.1	112GFLK	yes
75442	21N	01W	27	ADCD	WELL	3430	58.5	3412	10.3	6320	7.22	112GFLK	
231534	21N	01W	28	CACA	SPRING	3610			10.5	1231	5.87	211MRRV	yes
75448	21N	01W	28	CBAA	WELL	3645	18	3630	10.4	562	7.53	112SNGR	yes
145912	21N	01W	34	CCBB	WELL	3415	25	3406	10.8	1313	7.18	111SNGR	yes
230613	21N	01W	35	CCDD	WELL	3405	16		15.8	1767	7.3	111SNGR	
34475	21N	02E	11	ABBD	WELL	3460	180	3405				217BCKF	
34482	21N	02E	25	ACDB	WELL	3465	755	3305				217KOTN	
181892	21N	02E	29	DBBA	WELL	3355	170	3333	12.2	4130	7.45	112GFLK	
146639	21N	02E	30	DCBC	WELL	3360	180	3328	11.1	3350	7.63	112GFLK	
124140	21N	02E	34	BDBB	WELL	3345	200	3334	13.9	5000	7.42	112GFLK	yes
148110	21N	02E	35	ABCA	WELL	3345	142	3323	12.2	4540	7.37	112SNGR	
75487	21N	02W	2	DDDD	WELL	4018	24	4009	10.4	583	7.7	112TRRC	
141053	21N	02W	3	DAAA	WELL	4020	35	4013	11.3	1220	7.85	112SNGR	
231900	21N	02W	4	BBBB	WELL	3964	18	3954	12.7	1091	7.52	112SNGR	
231854	21N	02W	5	BBAA	WELL	3980	14	3970	12.9	709	7.31	112SNGR	
124850	21N	02W	6	CBCC	WELL	4005	18	3998	12.5	742	7.48	112SNGR	yes
6122	21N	02W	9	DADD	WELL	4060	20	4041	10.6	1277	7.69	112TRRC	
141061	21N	02W	12	ADDA	WELL	3995	30	3985	11.1	483	7.66	112SNGR	
75508	21N	02W	13	DCDD	WELL	3750	35	3742	12.6	8040	7.61	112SNGR	
230287	21N	02W	22	DDCB	WELL	3775	18	3766	12.5	916	7.67	112SNGR	yes
124141	21N	02W	24	CAAB	WELL	3720	56	3686	11.6	813	7.76	112TRRC	
75522	21N	02W	26	AABA	WELL	3720	46	3693	9.6	598	7.63	112TRRC	
75533	21N	02W	34	ABBB	WELL	3741	50	3727	11.8	558	7.59	112SNGR	
34567	21N	03E	3	DDAC	WELL	3810	1072		16.7	2440	7.66	217KOTN	yes
34571	21N	03E	12	DADB	WELL	3450	596	3184				217KOTN	
34572	21N	03E	12	DADB	WELL	3450	625		15.1	1245	7.85	217KOTN	yes
182350	21N	03E	24	DDCC	WELL	3530	530		14.1	1206	8.01	217KOTN	yes
216931	21N	03E	25	CCAD	WELL	3495	550	3273				217KOTN	
162300	21N	03E	31	CDAC	WELL	3335	175	3315	11.1	6060	7.61	112SNGR	
75537	21N	03W	1	CDDD	WELL	4015	22	4008	11.9	769	7.45	112SNGR	
75539	21N	03W	2	AAAA	WELL	3953	30	3945	13	346	7.74	110TRRC	yes
75580	21N	03W	6	DBCD	WELL	4050	38	4034	11.1	463	7.7	211VRGL	yes
920275	21N	04E	17	CBCC	WELL	3490	1052					330MDSN	
222563	21N	04E	29	CAAB	WELL	3485	295	3270	12.4	732	7.45	217KOTN	yes
2528	21N	04E	33	BDAD	SPRING	3240			11.9	627	6.91	330MDSN	yes
34596	21N	04E	33	BDBB	WELL	3260	68		12.5	876	7.74	217KOTN	yes
2526	21N	04E	33	BDDCB	WELL	3285	40	3251	11.9	643	7.38	217KOTN	yes
216851	21N	04E	33	CAAC	WELL	3323	470	3272	12.3	613	7.43	330MDSN	yes
34604	21N	04E	33	CABDA	WELL	3310	460	3272				330MDSN	yes
34607	21N	04E	34	AADC	WELL	3260	250	3142	14	894	7.22	217KOTN	yes
193222	21N	04E	35	BBBA	WELL	3165	250	3294	13.4	677	7.85	217KOTN	yes
172455	21N	04W	1	CCBB	WELL	4140	150	4085	11.7	625	8.18	211VRGL	
75604	21N	04W	8	DAAD	WELL	4240	100	4219	12.2	554	7.58	211TMDC	
231879	21N	04W	12	BBBB	WELL	4095	90		9.6	537	7.62	211VRGL	
75611	21N	04W	14	CDAA	WELL	3985	50	3974	9.6	1604	7.51	211VRGL	yes
75619	21N	04W	18	BCBD	WELL	4245	205	4218	9.9	747	7.81	211TMDC	
75621	21N	04W	18	CBBB	WELL	4230	53	4197	11	582	7.83	112SNGR	
75623	21N	04W	19	ACBB	WELL	4181	70	4176	12.2	464	7.64	112SNGR	yes
188479	21N	05E	20	AABC	SPRING	2935			13.8	506	7.9	330MDSN	yes
34609	21N	05E	32	ACAC	WELL	3405	624	3248	13.6	606	7.6	330MDSN	yes
34610	21N	05E	33	CBBC	WELL	3399	451		13.2	843	7.73	217KOTN	
34612	21N	05E	35	DAAA	WELL	3385	380	3314	11.4	521	7.63	217KOTN	
75628	21N	05W	1	DBAA	WELL	4290	42	4279	11.5	386	7.67	112SNGR	
126281	21N	05W	8	DDCA	WELL	4335	160	4276	11.1	755	8.91	211TMDC	
232132	21N	05W	14	CDDD	WELL	4232	16	4221	11.1	361	7.55	112SNGR	
175492	21N	05W	18	AAAB	WELL	4300	60	4283	9.7	438	7.88	211TMDC	
240561	21N	05W	20	BBCB	WELL	4310	86	4295	9.7	622	7.86	211TMDC	
163499	21N	05W	20	BCBB	WELL	4310	40	4296				211TMDC	
75647	21N	05W	21	DBCD	WELL	4260	58	4250	9.8	537	8.0	112SNGR	
75648	21N	05W	22	ABAA	WELL	4245	42	4233	10.7	389	8.19	211TMDC	yes
152634	21N	06E	31	DCAC	WELL	3365	605	3271	14.5	729	7.45	330MDSN	yes
75655	21N	06W	11	CBCB	WELL	4305	22	4296	8.2	442	8.59	112SNGR	
75656	21N	06W	13	CBBB	WELL	4265	35	4253				112SNGR	
240566	21N	06W	13	CBBB	WELL	4265	55	4240	10.6	397	7.71	211TMDC	
240954	21N	09W	4	BABA	WELL	4980			10.3	427	7.71	224STTH	
35277	22N	01E	5	CCCC	WELL	3735	unk					211MRRV	
35284	22N	01E	22	DDBD	PETWELL	3790	1213		12.4	3260	8.01	217KOTN	yes
35286	22N	01E	25	ADAD	WELL	3810	1212		15	2480	8.09	217KOTN	yes
140814	22N	01E	32	BBAC	WELL	3485	56.1	3459	12	3270	7.06	217BCKF	
76494	22N	01W	3	BBBB	WELL	3740	24	3733	9.9	1006	7.4	112SNGR	
76495	22N	01W	3	BBBC	WELL	3730	12					112SNGR	
76502	22N	01W	4	BBCA	WELL	3755	28					112SNGR	
76501	22N	01W	4	BBCB	WELL	3755	27		10.5	666	7.57	112SNGR	
231751	22N	01W	5	BABB	WELL	3785	20	3778	12.5	1878	7.7	112SNGR	
140858	22N	01W	9	ABBB	WELL	3750	16	3738	11.2	749	7.46	112SNGR	yes
140859	22N	01W	11	CDCC	WELL	3710	18	3707	13.9	799	7.2	112SNGR	
231742	22N	01W	14	CCCD	WELL	3710	65	3685				211MRRV	
231743	22N	01W	14	CCCD	WELL	3710	40	3691	12.4	697	7.42	211MRRV	
140861	22N	01W	17	CDBC	WELL	3855	9.1	3849	10.1	523	7.65	112SNGR	
76523	22N	01W	18	AADA	WELL	3775	20	3771	9.3	492	7.54	112SNGR	
166837	22N	01W	20	DAAA	WELL	3845	18.2	3840	9.7	353	8.02	110ALVM	
76531	22N	01W	20	DCCC	WELL	3855	20		8.7	724	7.71	112SNGR	yes
140805	22N	01W	25	AACA	WELL	3505	98.2	3490	10.3	3460	8.94	111SNGR	yes
208321	22N	01W	25	AACA	WELL	3505	78	3489				111SNGR	
231730	22N	01W	27	ACAB	WELL	3785	12	3777	16	636	7.29	112SNGR	
125288	22N	01W	28	DDCD	WELL	3823	35	3818	10.5	476	7.86	112SNGR	
140807	22N	01W	29	CBCC	WELL	3855	19.3	3849	12.1	875	7.76	112SNGR	
140816	22N	01W	32	DDDD	WELL	3920	19.3	3917	10.6	602	7.51	112SNGR	
231741	22N	01W	33	AAAA	WELL	3821	30	3816	11.4	738	7.48	112SNGR	
196703	22N	01W	35	BADD	WELL	3770	40	3760				112SNGR	
76549	22N	01W	35	BDAA	WELL	3765	35	3761	11.1	549	7.43	112SNGR	yes
149989	22N	01W	36	AABC	WELL	3690	40	3675	11.2	1618	6.82	211MRRV	yes
35291	22N	02E	4	DCAC	WELL	3695	68	3671				112GFLK	
35293	22N	02E	10	BBBB	WELL	3690	68	3681				112GFLK	
35299	22N	02E	31	BBCD	WELL	3840	1165					217KOTN	
76552	22N	02W	2	AADA	WELL	3805	16	3800	11	776	7.56	112SNGR	
231733	22N	02W	6	ADDD	WELL	3875	16	3865	15	912	6.94	112SNGR	
141065	22N	02W	7	CCCC	WELL	3905	18.4	3899	11.1	481	7.58	112SNGR	yes
76565	22N	02W	8	CBBB	WELL	3890	16	3878	11.3	651	7.81	110ALVM	
231748	22N	02W	9	DCAA	WELL	3855	23	3847	10.4	771	7.7	112SNGR	
76574	22N	02W	11	BCCB	WELL	3835	16	3829	12.9	527	7.63	112SNGR	
76576	22N	02W	12	ABBB	WELL	3800	15		11.8	752	7.58	112SNGR	
231747	22N	02W	12	ABBB	WELL	3800	18	3791	10.2	595	7.71	112SNGR	
76579	22N	02W	15	DCDC	WELL	3845	22		13.3	571	7.47	112SNGR	
231749	22N	02W	16	BCCB	WELL	3873	16	3868	10.6	767	7.8	112SNGR	
231790	22N	02W	19	CDDB	WELL	3912	19	3903	13.3	695	7.2	112SNGR	
231791	22N	02W	19	CDDB	WELL	3912	48	3902	11.5	1111	7.58	112SNGR	
231789	22N	02W	20	BAAA	WELL	3880	18	3868	13.4	554	7.32	112SNGR	
140870	22N	02W	21	DAAA	WELL	3860	22.7	3853	11.1	595	7.46	112SNGR	
76594	22N	02W	22	DAAD	WELL	3915	10	3908	14.1	814	7.84	112SNGR	
141027	22N	02W	25	DDDA	WELL	3885	12.2		14	1195	7.57	112SNGR	
76600	22N	02W	26	BBCB	WELL	3925	20		11.4	753	7.44	112SNGR	
141031	22N	02W	26	BCBB	WELL	3925	14.4		12.4	630	7.8	112SNGR	
141036	22N	02W	27	CDCC	WELL	3935	18.8	3928	12.1	620	7.65	112SNGR	yes
76609	22N	02W	28	CBCB	WELL	3965	30	3958				112SNGR	
141038	22N	02W	28	CBCB	WELL	3565	40	3558	12.7	555	7.56	112SNGR	
76620	22N	02W	30	CDDC	WELL	3922	20	3914	13.1	433	7.64	112SNGR	
76622	22N	02W	31	ADDA	WELL	3985	18	3979	13.5	500	7.79	112SNGR	
141043	22N	02W	33	DAAA	WELL	3946	14.3	3938	11.8	709	7.48	112SNGR	
185522	22N	03E	26	CCCD	WELL	3712	88	3670				217BCKF	
223066	22N	03E	26	CDCA	WELL	3692	81	3645				217BCKF	
35305	22N	03E	27	CDDD	WELL	3808	305	3608				217BCKF	
223077	22N	03E	27	CDDD	WELL	3808	335	3608				217BCKF	
185521	22N	03E	27	DDDD	WELL	3765	75					217BCKF	
183120	22N	03W	3	CDDC	WELL	3925	28	3918	14.4	351	7.88	112SNGR	
76646	22N	03W	9	DDDD	WELL	3940	36	3925	14	434	7.62	112SNGR	
231862	22N	03W	12	BABC	WELL	3900	15	3888	11.2	608	7.78	112SNGR	
6194	22N	03W	14	CDDD	WELL	3948	59		10.9	524	7.9	110TRRC	
231801	22N	03W	15	DAAA	WELL	3945	28	3928	10.3	521	7.78	112SNGR	
76664	22N	03W	21	DDDA	WELL	3880	32	3875	10.6	1864	7.81	112SNGR	
231744	22N	03W	25	ADDD	WELL	3925	40	3918	12.9	403	7.57	112SNGR	
231859	22N	03W	27	BBBB	WELL	3895	60	3891	9.7	3200	6.66	211TPCK	
231491	22N	03W	27	CCDC	WELL	3985	30		14.5	395	7.3	112SNGR	yes
76691	22N	03W	33	CCDD	WELL	4010	55	4000	11.9	825	7.54	211TPCK	
168526	22N	03W	34	DAAD	WELL	3967	22	3957	12.2	648	7.45	112SNGR	
35309	22N	04E	11	BBBB	WELL	3600	200					217BCKF	
35311	22N	04E	27	CDDC	WELL	3490	200	3368				217BCKF	
35312	22N	04E	28	DCDD	WELL	3540	50					217BCKF	
35313	22N	04E	33	BCBC	WELL	3510	147	3415				217BCKF	
76727	22N	05W	9	BCAD	WELL	4330	130	4293	11.5	658	7.43	211TMDC	
76734	22N	05W	19	ADDD	WELL	4650	30	4641	7.5	675	7.77	112SNGR	yes
76736	22N	05W	20	BCCC	WELL	4647	12	4638	8.4	1116	7.5	112SNGR	
76739	22N	05W	26	BDDA	WELL	4495	42.5	4462				112SNGR	
76740	22N	05W	26	CADC	WELL	4450	75	4394				211TMDC	
240480	22N	05W	35	CDBB	WELL	4330	27	4325	10.1	314	8.01	112SNGR	yes
240529	22N	06W	10	ADBA	WELL	4265	200	4198	12.5	1995	8.59	211TMDC	yes
187688	22N	06W	35	BCCA	WELL	4475	80	4441	11.5	612	8.01	211TMDC	
76769	22N	06W	35	BCCC	WELL	4475	83		10.1	727	7.97	211TMDC	
240575	22N	07W	28	CDCD	WELL	4170	60	4158	10.9	988	9.23	111SNGR	
240576	22N	07W	28	CDCD	WELL	4170	16	4165				111SNGR	
76771	22N	07W	28	CDDB	WELL	4175	35		12.3	988	7.64	111SNGR	
240577	22N	07W	28	CDDB	WELL	4175	60	4164	10.1	1121	7.95	111SNGR	
183034	22N	09W	33	DBBC	WELL	5080	100	5089	8.2	450	7.37	330MDSN	yes
240949	22N	09W	34	AACB	WELL	4660	22	4646				224STTH	
35959	23N	01E	23	ADDC	WELL	3792	930		16.7	4180	8.4	217KOTN	yes
77381	23N	01W	3	DADD	WELL	3810	90					211KVIN	
77395	23N	01W	26	DDDD	WELL	3695	65					112SNGR	
222562	23N	01W	26	DDDD	WELL	3695	43	3673	9.5	5840	6.94	112SNGR	yes
223088	23N	01W	30	BDDD	WELL	3675	20		9.4	3980	7.65	111ALVM	
35964	23N	02E	8	BBBB	WELL	3857	1070		17.2	3830	8.22	217KOTN	yes
77396	23N	02W	3	BCBB	WELL	3780	22		10.7	3150	7.22	112SNGR	
223087	23N	02W	10	BADB	WELL	3735	10	3727				111SNGR	
77402	23N	02W	34	DADD	WELL	3750	25	3743	9.6	7410	7.28	111SNGR	
77407	23N	02W	36	CCCC	WELL	3812	40	3803				112SNGR	
77414	23N	03W	9	CADA	WELL	4070	20	4064	9.4	998	7.98	112SNGR	
231698	23N	03W	10	CDAD	WELL	4050	16	4044	7.8	1675	7.33	112SNGR	
77436	23N	04W	22	BCDC	WELL	3830	20	3818	10.3	682	7.4	111SNGR	
240512	23N	04W	22	DADA	WELL	3795	90		17.8	3850	7.15	211MRRV	yes
77441	23N	05W	1	AADB	WELL	3800	32	3777	10	497	7.58	111SNGR	yes
77445	23N	05W	8	CADD	WELL	3970	80	3947	11.2	2190	8.89	211VRGL	yes
77446	23N	05W	8	CADD	WELL	3960	60	3949				211VRGL	
77447	23N	05W	8	DCBB	WELL	3955	40	3945	15.8	2510	7.37	211VRGL	
124179	23N	06W	5	CDCB	WELL	4155	55	4145	12	969	7.53	211TMDC	
240966	23N	06W	10	DBAC	WELL	4165	122	4135	11.2	511	8.4	211TMDC	
193896	23N	06W	17	BBBB	WELL	4283	200	4238	10.3	372	8.11	211TMDC	
122903	23N	06W	18	CDAB	WELL	4265	220	4242	9.8	606	7.88	211TMDC	yes
77461	23N	06W	18	CDBA	WELL	4285	65	4263				211TMDC	
77462	23N	06W	18	CDBA	WELL	4270	87	4248	10.9	730	7.91	211TMDC	yes
240854	23N	06W	19	BBAB	WELL	4315	69	4259	9.9	943	8.76	211TMDC	
193897	23N	06W	22	DDAB	WELL	4105	120	4022	11.9	1248	8.83	211TMDC	
240943	23N	06W	22	DDBA	WELL	4110	100	4089				211TMDC	
77464	23N	06W	23	CDBD	WELL	4030	40	4020	14.2	1143	7.44	111SNGR	
78005	23N	06W	23	CDCA	WELL	4030	100	4020	10.6	1337	9.12	211TMDC	
240933	23N	06W	23	CDDC	WELL	4025	17	4020	10.6	1364	7.18	111SNGR	
77465	23N	06W	24	ABBB	WELL	4015	68	3992	9.8	722	8.44	211TMDC	
77466	23N	06W	24	BBAA	WELL	4070	60					211TMDC	
77469	23N	06W	24	CDBB	WELL	4010	300	3986				211VRGL	
240754	23N	06W	24	CDBB	WELL	4010	10	3998	19.6	1189	8.23	211TMDC	
77467	23N	06W	24	CDBC	WELL	4015	30	4007				211TMDC	
77468	23N	06W	24	CDBC	WELL	4015	60	4005	12.6	1724	8.91	211TMDC	yes
181249	23N	06W	26	BBAC	WELL	4035	100	4028	14.4	1154	7.71	211TMDC	
181250	23N	06W	26	BBBB	WELL	4040	200	4029	14.4	1154	7.71	211TMDC	
77471	23N	07W	2	DDAB	WELL	4380	42	4365				211TMDC	
240881	23N	07W	10	DCDC	SPRING	4400			10.6	376	8.47	211TMDC	
240913	23N	07W	12	ADDA	WELL	4335	140	4305				211TMDC	
240856	23N	07W	13	DBCC	WELL	4330	58	4295				211TMDC	
240872	23N	07W	14	CCBA	WELL	4435	136	4410				211TMDC	
240878	23N	07W	16	DDAB	WELL	4510	46	4476	9.3	332	8.03	211TMDC	
77477	23N	07W	24	DDCB	WELL	4195	90	4190	9.2	464	7.47	211TMDC	yes
240523	23N	07W	25	CADA	WELL	4340	83	4291	10	360	8.23	211TMDC	yes
77479	23N	07W	27	DCDC	WELL	4480	87	4431	10.4	697	7.98	211TMDC	
77480	23N	07W	32	ADAC	WELL	4550	85	4539	9.7	586	9.32	211TMDC	yes
240534	23N	08W	9	AACB	WELL	5070	20	5063	7.7	461	7.4	112SNGR	yes
204518	23N	08W	26	BDAA	WELL	4860	100	4833				211TMDC	
204520	23N	08W	26	BDAA	WELL	4860	300	4834	8.7	698	7.43	211TMDC	yes
78070	24N	01W	17	BAAA	WELL	3770	66		8.8	5290	7.0	112SNGR	
223168	24N	01W	17	BAAA	WELL	3770	52	3732				112SNGR	
78071	24N	01W	17	DCDC	WELL	3795	62		8.5	5120	6.9	112SNGR	yes
78081	24N	01W	32	CDCD	WELL	3855	unk					211MRRV	
6294	24N	02W	32	ADCD	WELL	3865	90	3848				112TILL	
216466	24N	03W	5	BBDD	WELL	3715	101	3662				112SNGR	
217282	24N	03W	5	CDBC	WELL	3720	160		9.8	1279	7.31	112SNGR	
216465	24N	03W	8	BBAD	WELL	3720	180	3640				112SNGR	
245697	24N	04W	3	DDAA	WELL	3770	82	3771	6.3	5540	7.1	211TPCK	
78100	24N	04W	6	DDAA	WELL	3875	14	3869	13.5	656	7.44	112SNGR	
78102	24N	04W	7	ACDD	WELL	3895	33	3884	8.8	858	7.45	112SNGR	yes
78112	24N	04W	14	BAAA	WELL	3760	45	3722				211TPCK	
78113	24N	04W	18	DDAB	WELL	3925	60		10.1	809	7.44	112SNGR	
78104	24N	04W	19	CBBA	WELL	3830	20	3824	10.6	647	7.32	112SNGR	
236324	24N	04W	25	BABA	WELL	3735	70	3723	9.1	512	7.77	112SNGR	yes
245698	24N	04W	34	ABCC	WELL	3715	27	3705	8.2	682	7.1	111SNGR	
78175	24N	05W	4	DBBA	WELL	3985	20	3980	9.8	504	7.11	111SNGR	
180444	24N	05W	14	BBAA	WELL	3895	30	3885	9.7	513	7.6	111SNGR	
78259	24N	05W	24	BBBA	WELL	3855	25	3848	8	540	7.53	111SNGR	
240846	24N	05W	25	ADDB	WELL	3805	15	3794	14.6	654	7.29	111SNGR	
240516	24N	05W	25	BACB	WELL	3820	20	3810	11.5	568	7.41	111SNGR	yes
78413	24N	05W	36	BACC	WELL	3790	25		9.1	1131	7.3	111SNGR	
121623	24N	06W	31	DCDB	WELL	4210	58		12.5	794	7.61	211TMDC	yes
160414	24N	07W	14	ACDC	WELL	4550	100	4524				211TMDC	
182748	24N	07W	20	BCCD	WELL	4515	60	4509	10.4	664	7.72	211TMDC	
78426	24N	07W	28	CADB	WELL	4480	29	4472	9.3	922	7.36	211TMDC	
78428	24N	07W	32	BBCC	WELL	4620	32	4608	10.7	977	7.47	211TMDC	yes
78430	24N	08W	4	BAAB	WELL	4940	33	4910	11.1	452	7.57	112SNGR	yes
224400	24N	08W	4	DADB	WELL	5030	200	5009	8.4	1176	6.36	217BCKF	yes
209629	24N	08W	5	BABB	WELL	5030	140	4940	5.8	345	7.82	112SNGR	yes
37468	25N	01E	11	CDDA	WELL	3250	16	3238	13	1152	7.33	111SNGR	
37469	25N	01E	11	CDDC	WELL	3260	41	3252	11.8	909	7.83	111SNGR	
78815	25N	01W	15	ABBC	WELL	3355	25	3345	9.3	1197	7.51	111SNGR	yes
78817	25N	01W	15	BBCC	WELL	3365	25.8	3347				112SNGR	
78816	25N	01W	16	ADBB	WELL	3365	31.5	3345				112SNGR	
78820	25N	01W	31	DCBC	WELL	3645	31	3638	9.4	1589	8.16	112TILL	
37471	25N	02E	1	BBDD	WELL	3210	43	3174	10.4	5280	7.12	112SNGR	yes
37472	25N	02E	6	DCDA	WELL	3230	16		13.8	1534	7.11	111SNGR	
139778	25N	02E	8	BCBA	WELL	3225	35	3210	10.4	967	8.68	111SNGR	yes
37475	25N	02E	12	BCCB	WELL	3170	20	3158	14.3	2430	8.03	111SNGR	yes
78823	25N	02W	2	BBDC	WELL	3545	201					211MRRV	
78824	25N	02W	2	BBDC	WELL	3545	200	3434				211MRRV	
139191	25N	02W	11	AADB	WELL	3520	300	3437				211MRRV	
231543	25N	02W	15	CCCD	WELL	3445	40	3432	12.2	1113	7.48	111SNGR	
78832	25N	02W	21	ACBD	WELL	3450	28					111SNGR	
223209	25N	02W	21	ACBD	WELL	3450	30	3438	9.9	979	7.45	111SNGR	
78836	25N	03W	4	CCCD	WELL	3741	120		10.8	640	7.78	112SNGR	
78846	25N	03W	7	CCDC	WELL	3760	94	3716	9.4	1075	7.59	112SNGR	
124213	25N	03W	8	CADD	WELL	3750	120	3722	9.5	973	7.6	112SNGR	
78849	25N	03W	9	DDCD	WELL	3745	150		10	886	7.56	112SNGR	
78850	25N	03W	12	CDCC	WELL	3685	192		14.4	1552	7.49	112SNGR	
78851	25N	03W	14	BAAB	WELL	3695	158	3701	9.3	686	7.72	112SNGR	yes
78852	25N	03W	14	BBAA	WELL	3720	169		11.2	684	7.7	112SNGR	
231651	25N	03W	16	CDCB	WELL	3755	149	3712	13.1	1008	7.6	112SNGR	
78858	25N	03W	25	BBAB	WELL	3555	66	3514	10.7	895	7.66	112SNGR	
78859	25N	03W	25	BDDD	WELL	3525	47		10.4	2710	7.78	111SNGR	yes
125668	25N	03W	30	BBCB	WELL	3755	100	3722	9.5	907	7.72	112SNGR	yes
78889	25N	04W	17	BBCC	WELL	3840	30	3837	12.9	628	7.81	112SNGR	
78902	25N	04W	21	CBCA	WELL	3822	16	3813	9.3	664	7.78	112SNGR	
228966	25N	04W	22	CCBC	WELL	3805	26	3796	10.1	620	7.8	112SNGR	
6338	25N	04W	26	BCBD	WELL	3780	23	3772	12.9	737	7.05	110ALVM	yes
241601	25N	04W	30	ACDB	WELL	3975	30		9.6	520	7.66	112SNGR	
78938	25N	04W	31	ADCD	WELL	3875	30	3868				112SNGR	
78939	25N	04W	31	ADCD	WELL	3875	15		12.7	485	7.82	112SNGR	
193917	25N	05W	5	DDCA	WELL	3960	45	3923	11.4	630	7.73	112SNGR	
78973	25N	05W	5	DDCB	WELL	3960	51	3933	10.3	630	7.73	112SNGR	
241602	25N	05W	12	ABAB	WELL	3860	30	3854	9.2	573	7.52	112SNGR	
79001	25N	05W	20	ACCD	WELL	4030	30	4019	10.4	603	7.4	112SNGR	
6350	25N	05W	22	CCCC	WELL	3990	19		9.1	1623	7.09	112SNGR	yes
193918	25N	05W	24	DDDD	WELL	3895	51	3874	9.6	524	7.53	112SNGR	
6352	25N	05W	25	BCCB	WELL	3930	80		11.7	452	7.61	112SNGR	yes
79031	25N	05W	34	BABC	WELL	4000	100	3974	10.1	3200	7.1	211KVIN	yes
245696	25N	05W	35	AACD	WELL	3950	100	3873	11.6	470	8.1	112SNGR	
79043	25N	06W	15	DBCB	WELL	4200	56	4169	10.3	499	7.8	211VRGL	yes
79044	25N	06W	19	AABC	WELL	4325	30	4311	8.7	398	7.96	112SNGR	
240563	25N	06W	22	BCAA	WELL	4195	10	4191	10.3	637	7.73	112SNGR	
241019	25N	06W	27	BDDC	WELL	4180	17	4175				112SNGR	
240531	25N	06W	33	ACBB	WELL	4230	40	4223	11.1	517	7.13	111SNGR	yes
240974	25N	06W	33	BDDA	WELL	4230	20		13	507	7.37	111SNGR	
79060	25N	07W	19	BBCD	WELL	4683	69	4625				112SNGR	
240727	25N	07W	19	BBDC	WELL	4675	57	4625	9.7	400	7.75	112SNGR	yes
79061	25N	07W	25	DCCC	WELL	4350	32	4346	8.2	411	7.69	112SNGR	yes
234181	25N	07W	29	CDCC	WELL	4610	38	4599	8.2	340	7.87	112SNGR	yes
79062	25N	07W	29	DADC	WELL	4570	30	4561	8.7	380	7.74	112SNGR	
240562	25N	07W	32	ACAB	WELL	4580	20	4575	7.8	371	7.65	111SNGR	
79071	25N	08W	23	CCBC	WELL	4795	54	4762				112SNGR	
235972	25N	08W	24	DBAB	WELL	4720	160	4660	9.2	886	9.21	211TMDC	yes
79077	25N	08W	27	BDCD	WELL	4835	69	4773	7.5	424	7.64	112SNGR	yes
193920	25N	08W	32	CCDB	WELL	5020	60	5006	5.6	329	7.78	111SNGR	
128520	25N	08W	34	CCAC	WELL	4880	38	4841				112SNGR	
241046	25N	08W	34	CCAC	WELL	4880	54	4840	8.5	831	7.58	112SNGR	
240962	25N	09W	26	DBAC	WELL	5140	48	5111	7.3	330	8.02	112SNGR	