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(Powder River County landowner)

History

- My Sister and I own the family ranch in Powder River County.
- Homesteaded by our grandparents in about 1910.
- The ranch is 45 miles SE of Ashland (Tongue River) on a tributary of Otter Creek.
- There is no Coal Bed Methane (CBM) development in our area.
- Well depths at the ranch headquarters have gone from 15 feet in the 1940's and 1950's,
 - to 50 feet in the 1950's to 2003,
 - to 180 feet @ 4 gal/min in a coal seam (CBM type water ??) in 2003.
- Springs originally provided water in our creeks from before the 1940's into the 1960's.
- We had to develop these springs as wells in the 1980's to feed pipelines and stock tanks.
- Attached are the 1981 well log, the 1984 water analysis and a recent picture from one of the springs that was developed as a well.
- This was the quality of water that our livestock and wildlife were drinking.
- This shallow well went dry in 2003.

Current situation

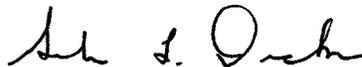
- All of our shallow **wells and springs have gone dry** and are not CBM related.
- Our **10 reservoirs have been dry** for the last 8 to 10 years. (some runoff this spring)
- Ranchers in our area are hauling water or pumping well water into pipelines and tanks.
- We currently have about 10 miles of pipeline delivering water to 15 stock water tanks.
- We also have to use storage tanks that fill at night, in order to provide sufficient water at pipeline tanks during the hot weather.
- We have water rights filed on all these reservoirs, developed springs and wells.

Needs

- We have a desperate need for additional water for livestock and wildlife.
- We would like the opportunity to develop a **water management plan**:
 - that would allow us to utilize CBM water in our existing or new reservoirs,
 - that would not release CBM water into state waterways.

I, therefore, strongly support House Bill No. 383 that will authorize discharge of CBM water into existing or new reservoirs/impoundments for livestock and wildlife.

Thank you,



Ground-Water Information Center Water Quality Report
 Report Date: 2/13/2007

Site Name: DECKER AUGUST * NO. 02
 Compare to Water Quality Standards

Location Information

Sample Id/Site Id: 1984Q0573 / 8235
 Location (TRS): 08S 46E 34 DBCC
 Latitude/Longitude: 45° 5' 29" N 106° 4' 8" W
 Datum: NAD27
 Altitude: 3815
 County/State: POWDER RIVER / MT
 Site Type: SPRING
 Geology:
 USGS 7.5' Quad: SAYLE HALL 7 1/2'
 PWS Id:
 Project:

Sample Date: 6/29/1984 11:00:00 AM
 Agency/Sampler: USGS / NEM
 Field Number: DECKER2
 Lab Date: 8/2/1984
 Lab/Analyst: MBMG / GAL
 Sample Method/Handling: PUMPED / 3120
 Procedure Type: DISSOLVED
 Total Depth (ft): NR
 SWL-MP (ft): NR
 Depth Water Enters (ft): NR

Major Ion Results

	mg/L	meq/L		mg/L	meq/L
Calcium (Ca)	424.000	21.158	Bicarbonate (HCO3)	669.000	10.965
Magnesium (Mg)	444.000	36.537	Carbonate (CO3)	0.000	0.000
Sodium (Na)	1,010.000	43.935	Chloride (Cl)	32.700	0.922
Potassium (K)	10.200	0.261	Sulfate (SO4)	4,270.000	88.944
Iron (Fe)	5.040	0.271	Nitrate (as N)	0.040	0.003
Manganese (Mn)	1.900	0.069	Fluoride (F)	0.100	0.005
Silica (SiO2)	13.500		Orthophosphate (OPO4)	0.200	0.006
Total Cations		102.230	Total Anions		100.846

Trace Element Results (µg/L)

Aluminum (Al):	NR	Cadmium (Cd):	NR	Mercury (Hg):	NR	Tin (Sn):	NR
Antimony (Sb):	NR	Chromium (Cr):	NR	Molybdenum (Mo):	NR	Titanium (Ti):	NR
Arsenic (As):	NR	Cobalt (Co):	NR	Nickel (Ni):	NR	Thallium (Tl):	NR
Barium (Ba):	NR	Copper (Cu):	NR	Silver (Ag):	NR	Uranium (U):	NR
Beryllium (Be):	NR	Lead (Pb):	NR	Selenium (Se):	NR	Vanadium (V):	NR
Boron (B):	NR	Lithium (Li):	NR	Strontium (Sr):	NR	Zinc (Zn):	NR
Bromide (Br):	300.000					Zirconium (Zr):	NR

Field Chemistry and Other Analytical Results

**Total Dissolved Solids (mg/L):	6,541.560	Field Hardness as CaCO3 (mg/L):	NR	Ammonia (mg/L):	NR
**Sum of Diss. Constituents (mg/L):	6,881.000	Hardness as CaCO3 (mg/L):	2,886.230	T.P. Hydrocarbons (µg/L):	NR
Field Conductivity (µmhos):	6700	Field Alkalinity as CaCO3:	NR	PCP (µg/L):	NR
Lab Conductivity (µmhos):	6661	Alkalinity as CaCO3 (mg/L):	548.69	Phosphate, TD (mg/L as P):	NR
Field pH:	6.85	Ryznar Stability Index:	NR	Field Nitrate (mg/L):	NR
Lab pH:	7.35	Sodium Adsorption Ratio:	8.180	Field Dissolved O2 (mg/L):	NR
Water Temp (°C):	8.5	Langlier Saturation Index:	NR	Field Chloride (mg/L):	NR
Air Temp (°C):	28	Nitrite (mg/L as N):	NR	Field Redox (mV):	NR

Notes

Sample Condition: YELLOWISH BUT NO SEDIMENT * FILTER WITH YELLOWISH-WHITE MUD *
 Field Remarks: SPRING/WELL PUMPED ON AND OFF ALL MORNING; DISCHARGE 10 GPM; DRAWDOWN GPM;
 DRAWDOWN UNKNOWN * =
 Lab Remarks:

Explanation: mg/L = milligrams per Liter; µg/L = micrograms per Liter; ft = feet; NR = No Reading in GWIC

Qualifiers: A = Hydride atomic absorption; E = Estimated due to interference; H = Exceeded holding time; K = Na+K combined; N = Spiked sample recovery not within control limits; P = Preserved sample; S = Method of standard additions; * = Duplicate analysis not within control limits; ** = Sum of Dissolved Constituents is the sum of major cations (Na, Ca, K, Mg, Mn, Fe) and anions (HCO3, CO3, SO4, Cl, SiO2, NO3, F) in mg/L. Total Dissolved Solids is reported as equivalent weight of evaporation residue.

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