



Water-Data Report 2010

**362227090112001, 20N08E14BAB2**

Edwards-Trinity aquifer system  
Nacatoch Sand  
Clay County, AR

LOCATION.--Lat 36°22'27", long 90°11'20" referenced to North American Datum of 1983, in NW ¼ NE ¼ NW ¼ sec.14, T.20 N., R.8 E., Clay County, AR, Hydrologic Unit is unknown, near Piggett.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 1,000 ft. Upper casing diameter undefined; top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 286 ft above National Geodetic Vertical Datum of 1929. Measuring point: Remove breather pipe west side of pump base, 1.8 ft above land-surface datum, Apr 15, 1999 to current year.

PERIOD OF RECORD.--Jul 2005 and Aug 2010.

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 10

[ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mL, milliliters; mg/L, milligrams per liter; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than]

Date	Sample start time	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, μS/cm at 25 °C (90095)	Specific conductance, water, unfiltered, μS/cm at 25 °C (00095)	Temperature, water, °C (00010)	alpha-HCH-d6, surrogate, water, filtered (0.7 micron glass fiber filter), percent recovery (91065)	Diazinon-d10, surrogate, water, filtered (0.7 micron glass fiber filter), percent recovery (91063)	Sample volume, Schedule 2001, mL (99856)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)
08-17-2010	1045	8.5	8.4	787	769	23.9	77.7	94.8	982	461

## 362227090112001 Local number , 20N08E14BAB2—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 10

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Date	Calcium, water, filtered, mg/L (00915)	Magne- sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO <sub>3</sub> (90410)	Alkalinity, water, filtered, inflection- point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)
08-17-2010	6.52	1.74	3.18	167	294	289	75.0	.42	10.6	7.99

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 3 of 10

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Date	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophos- phate, water, filtered, mg/L as P (00671)	Barium, water, filtered, μg/L (01005)	Beryllium, water, filtered, μg/L (01010)	Cadmium, water, filtered, μg/L (01025)	Chromium, water, filtered, μg/L (01030)	Cobalt, water, filtered, μg/L (01035)
08-17-2010	1.0	.621	< .04	< .002	.054	15.8	< .2	< 0.6	< 1	< 2

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

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Date	Copper, water, filtered, μg/L (01040)	Iron, water, filtered, μg/L (01046)	Lead, water, filtered, μg/L (01049)	Lithium, water, filtered, μg/L (01130)	Manga- nese, water, filtered, μg/L (01056)	Molyb- denum, water, filtered, μg/L (01060)	Nickel, water, filtered, μg/L (01065)	Silver, water, filtered, μg/L (01075)	Strontium, water, filtered, μg/L (01080)	Vanadium, water, filtered, μg/L (01085)
08-17-2010	< 3	16	.11	68	.7	< 4	< 4	< 4	356	< 0.8

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 5 of 10

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Date	Zinc, water, filtered, μg/L (01090)	Boron, water, filtered, μg/L (01020)	2,6- Diethyl- aniline, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82660)	2-Chloro-4- isopropyl- amino-6- amino-s- triazine, water, filtered, recover- able, μg/L (04040)	Acetochlor , water, filtered, recover- able, μg/L (49260)	Alachlor, water, filtered, recover- able, μg/L (46342)	alpha- HCH, water, filtered, recover- able, μg/L (34253)	Atrazine, water, filtered, recover- able, μg/L (39632)	Azinphos- methyl, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82673)
08-17-2010	< 5	298	< .006	< .014	< .010	< .008	< .004	< .007	< .120	< .014

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Date	Butylate, water, filtered, recover- able, μg/L (04028)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82674)	Chlor- pyrifos, water, filtered, recover- able, μg/L (38933)	cis- Permeth- rin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82687)	Cyanazine, water, filtered, recover- able, μg/L (04041)	DCCA, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82682)	Desulfinyl- fipronil amide, water, filtered, recover- able, μg/L (62169)	Desulfinyl- fipronil, water, filtered, recover- able, μg/L (62170)	Diazinon, water, filtered, recover- able, μg/L (39572)
08-17-2010	< .004	< .060	< .060	< .010	< .014	< .022	< .008	< .029	< .012	< .005

**WATER-QUALITY DATA**  
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Date	Dieldrin, water, filtered, recover- able, μg/L (39381)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82677)	EPTC, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82668)	Ethal- fluralin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82663)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82672)	Fipronil sulfide, water, filtered, recover- able, μg/L (62167)	Fipronil sulfone, water, filtered, recover- able, μg/L (62168)	Fipronil, water, filtered, recover- able, μg/L (62166)	Fonofos, water, filtered, recover- able, μg/L (04095)	Lindane, water, filtered, recover- able, μg/L (39341)
08-17-2010	< .009	< .04	< .002	< .006	< .016	< .013	< .024	< .018	< .004	< .004

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 8 of 10

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Date	Linuron, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82666)	Malathion, water, filtered, recover- able, μg/L (39532)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82667)	Metola- chlor, water, filtered, recover- able, μg/L (39415)	Metribuzin , water, filtered, recover- able, μg/L (82630)	Molinate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82671)	Naprop- amide, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82684)	p,p'-DDE, water, filtered, recover- able, μg/L (34653)	Parathion, water, filtered, recover- able, μg/L (39542)	Pebulate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82669)
	08-17-2010	< .060	< .016	< .008	< .014	< .012	< .003	< .008	< .002	< .020

**WATER-QUALITY DATA**  
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Date	Pendi- methalin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82683)	Phorate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82664)	Prometon, water, filtered, recover- able, μg/L (04037)	Propa- chlor, water, filtered, recover- able, μg/L (04024)	Propanil, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82685)	Propyz- amide, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82676)	Simazine, water, filtered, recover- able, μg/L (04035)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82670)	Terbacil, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82665)
	08-17-2010	< .012	< .020	< .01	< .006	< .010	< .02	< .004	< .006	< .03

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Date	Thioben- Terbufos, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82675)	carb, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82681)	Triallate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82678)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82661)	Alpha radioactivi- ty, water, Th-230 curve, picocuries per liter (04126)	Gross beta radioactivi- ty, water, filtered, Cs-137 curve, picocuries per liter (03515)
	08-17-2010	< .02	< .016	< .006	< .018	2.6