

Cowley

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SURVEYING OF ADDITIONAL MONITORING WELLS(Revised)
COASTAL MART #9182
ARKANSAS CITY, KANSAS

The above site is located in Section 24, Township 34 South, Range 3 East of the Sixth Principal Meridian, Cowley County, Kansas. The Southeast corner of Section 24 was assigned coordinates of 00.00 North and 00.00 West, tying into the measurements of the original survey.

The control point established during the original survey had been destroyed. A new control point was established during this survey as a chiseled 'X' on the northeast corner of the concrete sign base at the southeast corner of the site, based on the top of casing elevations from the original survey.

The Latitude and Longitude were recorded from a GPS unit. The site is located on the 7.5' quad map titled "Arkansas City".

ID	NORTH	WEST	LATITUDE	LONGITUDE	ELEVATION
SE CORNER 24-34S-3E	00.00	00.00			
Control Point	4269.84	46.58	37.08257	97.04026	1088.88
MW-3R SE SE NE NE	4280.08	244.31	37.08261	97.04092	RIM 1087.94 TOC 1087.36
MW-8R SE SE NE NE	4103.67	56.29	37.08213	97.04029	RIM 1089.39 TOC 1088.76
MW-12(Sec 19) SW SW NW NW	4182.28	-43.56	37.08268	97.03993	RIM 1088.47 TOC 1087.96
MW-13(Sec 19) SW SW NW NW	4245.74	-226.34	37.08252	97.03937	RIM 1086.18 TOC 1085.59



WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW12

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Cowley Fraction SW 1/4 SW 1/4 NW 1/4 NW 1/4 Section Number 19 Township Number T 34 S Range Number R 3 E

2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection):

3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 19.48 ft 5 Latitude: 37.08268 (decimal degrees) Longitude: 97.03993 (decimal degrees)

7 WELL WATER TO BE USED AS: 1 Domestic: 2 Irrigation 3 Feedlot 4 Industrial 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 Monitoring: well ID MW12 9 Environmental Remediation: well ID 10 Oil Field Water Supply: lease 11 Test Hole: well ID 12 Geothermal: How many bores?

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 9.48 ft Diameter in. to ft Diameter in. to ft Casing height above land surface -0.51 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 9.48 ft. to 19.48 ft. GRAVEL PACK INTERVALS: From 8 ft. to 20 ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-1' Grout intervals: From 1 ft. to 8 ft. From ft. to ft. From ft. to ft.

Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? NW Distance from well? ~120 ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

Notes: KDHE ID: Coastal Mart #9182; U2-018-11027

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 10/29/15 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 1/25/16 under the business name of Larsen & Associates, Inc. Signature

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.