

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

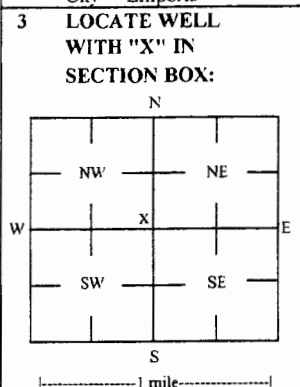
Well ID

MW4R

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Lyon Fraction SE 1/4 SE 1/4 NW 1/4 Section Number 15 Township Number T 19 S Range Number R 11 E W

2 WELL OWNER: Last Name: Cipra First: Richard Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 715 Market St, Emporia, KS 66801



4 DEPTH OF COMPLETED WELL: 40.16 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: NA ft

5 Latitude: 38.39808 (decimal degrees) Longitude: 96.18039 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27

6 Elevation: 1138.06 ft Ground Level: X TOC Source: X Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1 Domestic: House, Lawn, Livestock, Irrigation, Feedlot, Industrial 2 Public Water Supply: well ID 3 Dewatering: how many wells? 4 Aquifer Recharge: well ID 5 Monitoring: well ID MW4R 6 Environmental Remediation: well ID 7 Air Sparge 8 Soil Vapor Extractor 9 Recovery 10 Injection 11 Oil Field Water Supply: lease 12 Test Hole: well ID 13 Cased 14 Uncased 15 Geotechnical 16 Geothermal: How many bores? 17 a) Closed Loop 18 Horizontal 19 Vertical 20 b) Open Loop 21 Surface Discharge 22 Inj. of Water 23 Other (specify):

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

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 20.16 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.31 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot X 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 20.16 ft. to 40.16 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 18 ft. to 40.5 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout X Bentonite X Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 18 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 X Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? E Distance from well? ~110 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include: 0-0.5 Grave and rubble, 0.5-20 Silty clay with gravel, 20-24 Highly weathered shale, 24-25.5 Silty clay, 25.5-31 Shale, 31-40.5 Silty clay with trace silt and sand.

Notes: KDHE ID: Cipra Oil Company; U3-056-13957

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was X constructed, reconstructed or plugged under my jurisdiction and was completed on (mo-day-year) 7/11/16 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) 8/8/16 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, GPS 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.

DENNIS L HANDKE

1820 NW 59th Terrace
TOPEKA, KANSAS 66618
785-286-4047 Home
785-286-1990 Fax

Jessica Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas, 66046

July 30, 2016
Revised August 11, 2016

RE: Monitor Well Elevation Survey
2 Commercial St., Emporia, Kansas

Proj. 16-00L
Capra Oil Company
KDHE ID U3-056-13957

Bench Mark: Chisled Sq. on SW Corner of concrete slab South of the Southwest corner of building.
Elev: 1137.81 North 2690.23 West 2538.43 (from SE Cor. Sec.15-19-11E)

MW-4R	rim	1138.41	North	2763.75	SE1/4, SE1/4,SE1/4,NW1/4
	top pipe	1138.06	West	2694.76	Lat= 38.39808 Long = 96.18039
MW-15R	rim	1137.73	North	2612.43	NE1/4, NE1/4,NE1/4,SW1/4
	top pipe	1137.42	West	2763.47	Lat= 38.39766 Long = 96.18063
MW-16R	rim	1136.63	North	2416.21	NE1/4, NE1/4,NE1/4,SW1/4
	top pipe	1136.30	West	2744.09	Lat= 38.39712 Long = 96.18056
MW-18	rim	1134.52	North	2102.31	SW1/4, NW1/4,NW1/4,SE1/4
	top pipe	1134.25	West	2608.60	Lat= 38.39626 Long = 96.18001
MW-19	rim	1133.80	North	1848.09	NW1/4, SW1/4,NW1/4,SE1/4
	top pipe	1133.47	West	2608.43	Lat= 38.39556 Long = 96.18009

Elevation derived from existing project.

Lat & Long derived from Emporia 7.5 Quad Map WGS84.

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

August 11, 2016
Dennis L Handke RLS

Emporia 276
KANSAS

