

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

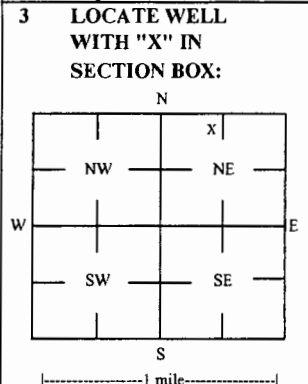
Well ID

MW12

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Reno Fraction NE 1/4 NE 1/4 NW 1/4 NE 1/4 Section Number 17 Township Number T 23 S Range Number R 5 E W

2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: Business: T & E Oil Company, Inc. Address: PO Box 1303 ~150' E of 2021 E. 4th, Hutchinson, KS Address: City Hutchinson State: KS ZIP: 67504-1303



4 DEPTH OF COMPLETED WELL: 19.74 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 15.29 ft [X] below land surface, measured on (mo-day-yr) 3/16/2016 [] above land surface, measured on (mo-day-yr) Pump test data: Well water was _____ ft after _____ hours pumping _____ gpm Water well was _____ ft after _____ hours pumping _____ gpm Estimated Yield: _____ gpm Bore Hole Diameter: 7.25 in to _____ ft, and _____ in to _____ ft

5 Latitude: 38.05744 (decimal degrees) Longitude: 97.89088 (decimal degrees) Horizontal Datum: [] WGS 84 [] NAD 83 [] NAD 27 Source for Latitude/Longitude: [] GPS (unit make/model: _____) (WAAS enabled? [] Yes [] No) [X] Land Survey [] Topographic Map [] Online Mapper 6 Elevation 1525.65 ft [] Ground Level [X] TOC Source [X] Land Survey [] GPS [] Topographic Map [] Other _____

7 WELL WATER TO BE USED AS: 1 Domestic: [] Household [] Lawn & Garden [] Livestock 2 Irrigation 3 Feedlot 4 Industrial 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 [X] Monitoring: well ID MW12 9 Environmental Remediation: well ID [] Air Sparge [] Soil Vapor Extractor [] Recovery [] Injection 10 Oil Field Water Supply: lease 11 Test Hole: well ID [] Cased [] Uncased [] Geotechnical 12 Geothermal: How many bores? a) Closed Loop [] Horizontal [] Vertical b) Open Loop [] Surface Discharge [] Inj. of Water [] Other (specify): _____

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

8 TYPE OF CASING USED: [] Steel [X] PVC [] Other _____ CASING JOINTS: [] Glued [] Clamped [] Welded [X] Threaded Casing diameter 2 in. to 9.74 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 [X] 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 9.74 ft. to 19.74 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, GRAVEL PACK INTERVALS: From 8 ft. to 20.5 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft,

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete: 0-0.7' Grout intervals: From 0.7 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 [X] Fuel Storage [] Abandoned Water Well [] Watertight Sewer Lines [] Seepage Pit [] Feedyard [] Fertilizer Storage [] Oil Well / Gas Well [] Other (Specify) _____ Direction from well? W Distance from well? ~260 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Topsoil & gravel			
0.5	10	Dark brown to red brown silty clay w/ sand			
10	13	Orange brown sandy silt			
13	15	Dark brown silty clay			
15	20.5	Medium brown coarse sand			

Notes: KDHE ID: T & E Oil #6; U2-078-13384

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) 3/15/16 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) 5/17/16 under the business name of Larsen & Associates, Inc. Signature _____

DENNIS L HANDKE

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Jessica Chapman
Larsen & Associates
1607 SW 41st Street
Lawrence, Kansas, 66609

April 11, 2016
Revised May 17, 2016

RE: Monitor Well Elevation Survey
2021 E. 4th Ave., Hutchinson, Kansas

Proj. 16-00D
T & E Oil #6
U2-078-13384

Bench Mark: Chisled X on Northeast corner of concrete sidewalk at Northeast corner of building.
Elev: 1526.34 North 5190.24 West 1870.63 (from SE Cor. Sec. 17-23-5W)

MW-12	rim	1525.96	North	5185.80	NE1/4,NE1/4,NW1/4,NE1/4
	top pipe	1525.65	West	1666.96	Lat= 38.05744 Long = 97.89088
MW-13	rim	1526.11	North	5060.48	NE1/4,NE1/4,NW1/4,NE1/4
	top pipe	1525.67	West	1597.99	Lat= 38.05710 Long = 97.89064

Elevation derived from existing project.

Lat & Long derived from Hutchinson 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.

Dennis L Handke R.L.S.

