KOLAR Document ID: 1412197

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No. 30069 Well ID

☑ Original Record ☐ Correction ☐ Change in Well Use

1 LOCATION OF WATER WELL: County: Seward | Fraction: NE ¼ NE ¼ NE ¼ SW ¼ | Section Number: 35 | Township Number: T 31 S | Range Number: R 31 ☐ E ☑ W

2 WELL OWNER: Last Name: Eakes First: Lawrence J
Business:
Address: 13204 2 Rd
Address:
City: Plains State: Ks ZIP: 67869

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: ☐
APPROX 5 MILES NORTH WEST OF PLAINS KANSAS

3 LOCATE WELL WITH "X" IN SECTION BOX:
N / W / E / S; NW, NE, SW, SE; X in NW
|----------1 mile---------|

4 DEPTH OF COMPLETED WELL: 526 ft.
Depth(s) Groundwater Encountered: 1) 282 ft. 2) ..... ft. 3) ..... ft., or 4) ☐ Dry Well
WELL'S STATIC WATER LEVEL: 282 ft.
☑ below land surface, measured on (mo-day-yr) 5/14/2018
☐ above land surface, measured on (mo-day-yr).....
Pump test data: Well water was 422 ft. after 4 hrs. pumping 1081 gpm
Well water was ..... ft. after ..... hrs. pumping ..... gpm
Estimated Yield: 1081 gpm
Bore Hole Diameter: 24 in. to 526 ft. and ..... in. to ..... ft.

5 Latitude: 37.30766 (decimal degrees)
Longitude: 100.66219 (decimal degrees)
Datum: ☐ WGS 84 ☐ NAD 83 ☑ NAD 27
Source for Latitude/Longitude:
☐ GPS (unit make/model: .....) (WAAS enabled? ☐ Yes ☐ No)
☐ Land Survey ☐ Topographic Map
☐ Online Mapper: .....

6 Elevation: 2786 ft. ☑ Ground Level ☐ TOC
Source: ☐ 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. ☐ Monitoring: well ID .....
9. Environmental Remediation: well ID ..... ☐ Air Sparge ☐ Soil Vapor Extraction ☐ 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
13. ☐ Other (specify): .....

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 16 in. to 526 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.
Casing height above land surface 12 in. Weight 42.09 lbs./ft. Wall thickness or gauge No. 250

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 ☐ 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 344 ft. to 364 ft., From 376 ft. to 516 ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 20 ft. to 526 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☑ Bentonite ☐ Other .....
Grout Intervals: From 0 ft. to 20 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? ..... Distance from well? ..... ft.

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

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) 5/9/2018 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145 This Water Well Record was completed on (mo-day-year) 6/12/2018 under the business name of Hydro Resources Mid Continent, Inc.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.
KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.
Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212

Form	WWC5
Contractor	Hydro Resources Mid Continent, Inc.
Well Owner	Lawrence J & Debra K Eakes
Doc ID	1412197

Litholgy

From	To	LithologicLog
0	2	top soil
2	36	brown sandy clay w/ couple fine sand ledges
36	48	brown clay & caliche
48	58	sand fine to med coarse small gravel
58	80	brown clay & caliche w/ few lime rock ledges
80	134	sand fine to med coarse small gravel
134	156	sand fine to med coarse w/ some clay
156	184	sand fine to med coarse some small gravel
184	208	brown clay w/ couple sand ledges
208	220	sand fine to med coarse
220	232	brown & light blue clay
232	255	sand fine to med coarse
255	260	brown clay
260	295	sand fine to med coarse
295	341	blue clay
341	364	sand fine to med coarse
364	374	brown clay
374	385	sand fine to med coarse w/ some clay stringers

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Litholgy

From	To	LithologicLog
385	408	sand fine to med coarse small gravel
408	415	sand fine to med coarse w/ some clay stringers
415	418	brown clay
418	440	lime rock & fine sand w/ few clay stringers
440	465	fine sand w/ few clay stringers
465	496	sand fine to med coarse w/ brown rock
496	516	brown rock w/ some clay stringers
516	520	red bed