WATER WELL RECORD Form WWC-5

[X] Original Record [ ] Correction [ ] Change in Well Ust

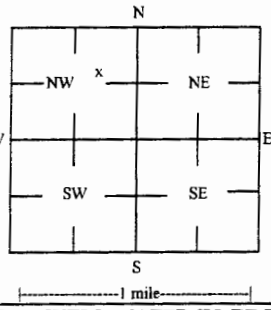
Division of Water Resources App. No. _____ Well ID MW7

1 LOCATION OF WATER WELL: County Montgomery | Fraction: SE ¼ SW ¼ NE ¼ NW ¼ | Section Number: 1 | Township Number: T 35 S | Range Number: R 16 [X] E [ ] W

2 WELL OWNER: Last Name: First:
Business: Clough Oil Company
Address: 202 E 11th
Address:
City Coffeyville State: KS ZIP:

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: [ ]
202 E 11th, Coffeyville KS

3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 13.5 ft
Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) [ ] Dry Well
WELL'S STATIC WATER LEVEL: 7.52 ft.
[X] below land surface, measured on (mo-day-yr) 11/3/16
[ ] 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: 37.03326 (decimal degrees)
Longitude 95.61391 (decimal degrees)
Horizontal Datum: [X] 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 718.86 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 MW7
9 Environmental Remediation: well ID [ ] Air Sparge [ ] Soil Vapor Extractior [ ] 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 [ ] Clampled [ ] Welded [X] Threaded
Casing diameter 2 in. to 4.5 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft,
Casing height above land surface -0.23 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 4.5 ft. to 13.5 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft,
GRAVEL PACK INTERVALS: From 2.5 ft. to 13.5 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 2.5 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 (Specity) _____
Direction from well? E Distance from well? ~5 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.3	Concrete			
0.3	5.5	Silty clay			
5.5	9.5	Silty clay, with abundant silt			
9.5	13.5	Cemented limestone w/ interbedded shale			

Notes: KDHE ID: Clough Service: U3-063-14847
Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.

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) 10/20/16 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) 1/9/17
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, PWS 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.

Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 **Revised 7/10/2015**

TRITERRA
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SURVEYING OF MONITORING WELLS
CLOUGH SERVICE
COFFEYVILLE, KANSAS

The above site is in Section 1, Township 35 South, Range 16 East of the Sixth Principal Meridian, Montgomery County, Kansas. The Southeast corner of Section 1 was assigned coordinates of 00.00 North and 00.00 West.

The vertical control is an NGS benchmark described as a disk set in concrete located in the southwest corner of the courthouse yard, 27 feet southwest of the building and 3 feet north of the curb along the north side of the sidewalk. The control point was established as a chiseled 'X' on the elevated curb at the southwest corner of the building on site.

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

ID	NORTH	WEST	LATITUDE	LONGITUDE	ELEVATION
SE CORNER *1-35S-16E*	00.00	00.00			
Control Point	4292.75	3459.19	37.03336	95.61385	720.77
MW-1 SE SW NE NW	4276.28	3415.48	37.03335	95.61367	RIM 720.49 TOC 720.16
MW-2 SE SW NE NW	4174.99	3483.03	37.03310	95.61391	RIM 721.32 TOC 721.04
MW-3 SE SW NE NW	4195.12	3370.77	37.03315	95.61357	RIM 721.17 TOC 720.84
MW-4 NE SW NE NW	4342.01	3483.21	37.03352	95.61391	RIM 722.27 TOC 722.00
MW-5 SE SW NE NW	4251.63	3303.37	37.03326	95.61333	RIM 717.32 TOC 716.92
MW-6 NW SE NE NW	4336.76	3298.86	37.03353	95.61330	RIM 718.86 TOC 718.43
MW-7 SE SW NE NW	4241.26	3474.64	37.03326	95.61391	RIM 719.09 TOC 718.86
MW-8 SE SW NE NW	4083.62	3312.04	37.03280	95.61335	RIM 718.75 TOC 718.45
MW-9 SW SE NE NW	4171.74	3193.51	37.03308	95.61301	RIM 719.48 TOC 719.25