

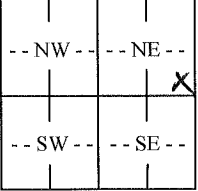
WATER WELL RECORD Form WWC-5

☒ Original Record ☐ Correction ☐ Change in Well Use

Division of Water
Resources App. No.

Well ID

1 LOCATION OF WATER WELL: County: <u>KIowa</u>		Fraction <u>SW 1/4 SE 1/4 SE 1/4 NE 1/4</u>	Section Number <u>13</u>	Township Number <u>T 29 S</u>	Range Number <u>R 17 E W</u>
2 WELL OWNER: Last Name: <u>Magellan Ammonia Pipeline</u> Business: <u>One Williams Center</u> Address: <u>MD 29</u> City: <u>Tulsa</u> State: <u>OK</u> ZIP: <u>74172</u>		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: ☐ <u>From 49th Ave & Hwy 54, 1 mi. W. of Harland, KS</u> <u>30 6.1 mls. S. on 49th Ave. to Pipeline Crossing</u>			

3 LOCATE WELL WITH "X" IN SECTION BOX: N  S W E -----1 mile-----	4 DEPTH OF COMPLETED WELL: <u>6.5</u> ft. Depth(s) Groundwater Encountered: 1) <u>5.5</u> ft. 2) _____ ft. 3) _____ ft., or 4) ☐ Dry Well WELL'S STATIC WATER LEVEL: _____ ft. ☐ below land surface, measured on (mo-day-yr) _____ ☐ above land surface, measured on (mo-day-yr) _____ Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm Well water was _____ ft. after _____ hours pumping _____ gpm Estimated Yield: _____ gpm Bore Hole Diameter: <u>7.5</u> in. to <u>6.5</u> in. to _____ in. to _____ in.	5 Latitude: <u>37.521972</u> (decimal degrees) Longitude: <u>-99.125388</u> (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: <u>Google Earth</u>
	6 Elevation: <u>2074</u> ft. ☒ Ground Level ☐ TOC Source: ☐ Land Survey ☐ GPS ☐ Topographic Map ☒ Other: <u>Google Earth</u>	

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 <u>MW 1R</u> 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): _____
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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 5.5 ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft.
 Casing height above land surface _____ in. Weight _____ lbs./ft. Wall 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 ☒ 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 5.5 ft. to 6.5 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
GRAVEL PACK INTERVALS: From 5.3 ft. to 6.5 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ☒ Bentonite ☐ Other _____
 Grout Intervals: From 2 ft. to 5.3 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) Ammonia Line
 Direction from well? North Distance from well? 50 ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1.5	Brown - Sandy Silt			
1.5	4	Brown - Silty Clay			
4	9	Brown - Silt			
9	40.5	Brown - Sand			
40.5	51.5	Brown - Silty Clay			
51.5	55	Brown - Sandy Silt			
55	65	Brown - Silty Sand			
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) 10/22/13, and this record is true to the best of my knowledge and belief.
 Kansas Water Well Contractor's License No. 676 This Water Well Record was completed on (mo-day-year) 10/22/13
 under the business name of Whitetail Services, LLC

INSTRUCTIONS: Send one copy to WATER WELL OWNER and retain one copy for your records. Submit fee of \$5.00 for each constructed well along with one (white) copy to Kansas 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

Revised 9/10/2012