WATER WELL RECORD Form WWC-5

☐ Original Record ■ Correction ☐ Change in Well Use

Division of Water Resources App. No. ______ Well ID: MW-9

1 LOCATION OF WATER WELL: County: Sedgwick
Fraction: ¼ NW ¼ NW ¼ SW ¼
Section Number: 1
Township Number: T 26 S
Range Number: R 2 ☐ E ■ W

2 WELL OWNER: Last Name: First:
Business: Chase Pipeline
Address:
Address: Rural Route 1; Box 173
City: El Dorado State: KS ZIP: 67042

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: ☐
7400 N 135th St West; Maize KS

3 LOCATE WELL WITH "X" IN SECTION BOX:
N
NW | NE
W SW (X) | SE E
S
|---------1 mile---------|

4 DEPTH OF COMPLETED WELL: 14 ft.
Depth(s) Groundwater Encountered: 1) 5 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: 7.25 in. to 14 ft. and — in. to — ft.

5 Latitude: 37.815145 (decimal degrees)
Longitude: -97.497061 (decimal degrees)
Horizontal Datum: ☒ WGS 84 ☐ NAD 83 ☐ NAD 27
Source for Latitude/Longitude:
☒ GPS (unit make/model: garmin etrek)
(WAAS enabled? ☐ Yes ☐ No)
☐ Land Survey ☐ Topographic Map
☐ Online Mapper: ....

6 Elevation: .... 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 MW-9
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 2 in. to 4 ft., Diameter — in. to — ft., Diameter — in. to — ft.
Casing height above land surface 30 in. Weight .... lbs./ft. Wall thickness or gauge No. sch 40

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 4 ft. to 14 ft., From — ft. to — ft., From — ft. to — ft.
GRAVEL PACK INTERVALS: From 3.5 ft. to 14 ft., From — ft. to — ft., From — ft. to — ft.

9 GROUT MATERIAL: ☐ Neat cement ■ Cement grout ■ Bentonite ☐ Other ....
Grout Intervals: From 2 ft. to 0 ft., From 3.5 ft. to 2 ft., From — ft. to — ft.

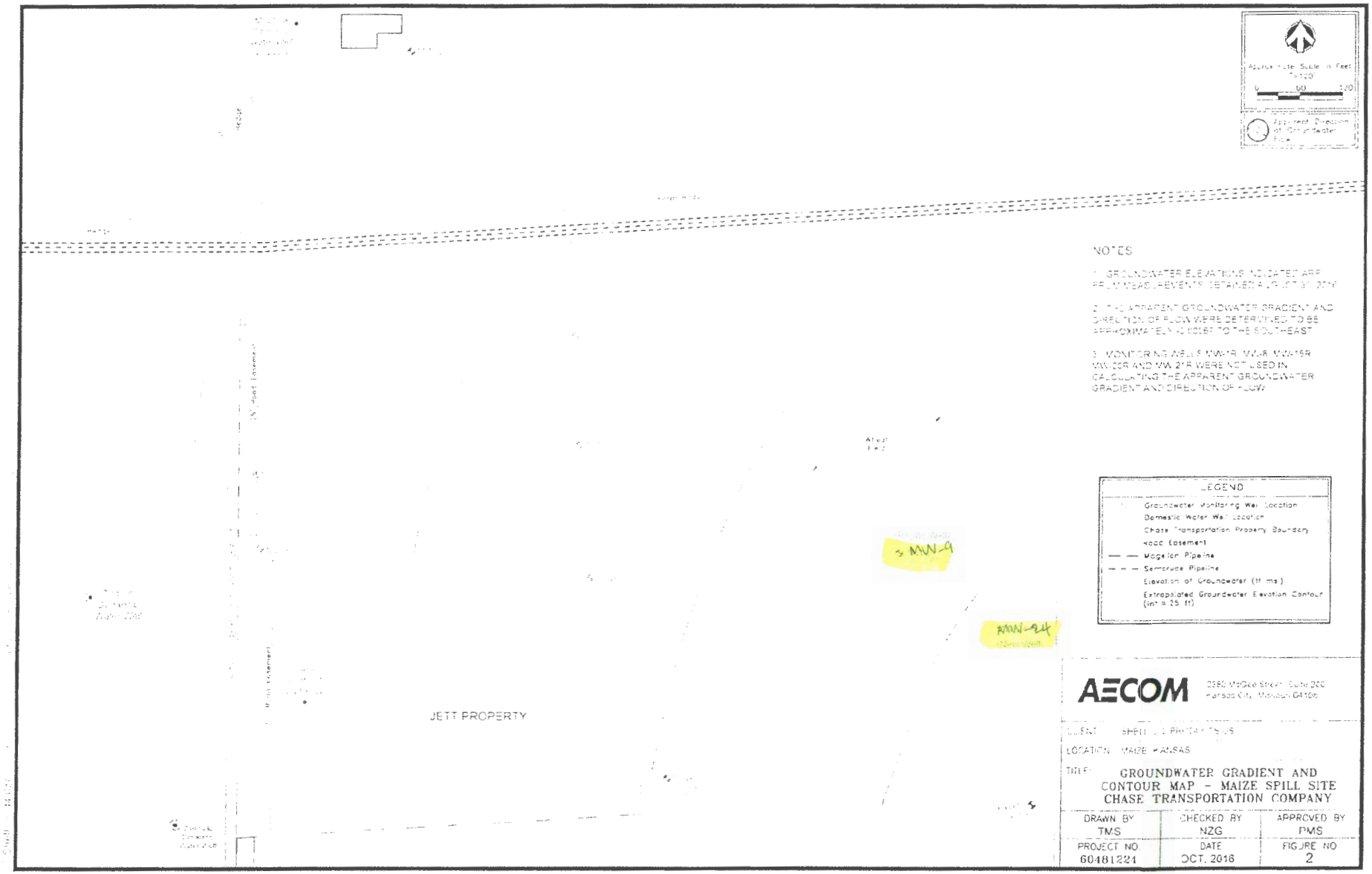
Nearest source of possible contamination:
☐ Septic Tank ☐ Lateral Lines ☐ Pit Privy ☐ Livestock Pens ☐ Insecticide Storage
☐ Sewer Lines ☐ Cess Pool ☐ Sewage Lagoon ■ Fuel Storage ☐ Abandoned Water Well
☐ Watertight Sewer Lines ☐ Seepage Pit ☐ Feedyard ☐ Fertilizer Storage ☐ Oil Well/Gas Well
☐ Other (Specify) ....
Direction from well? north Distance from well? 260 feet ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	3	Dark Brown silty clay			
3	4	silty sand traces of clay			
4	5.5	very fine sand; silt			
5.5	14	medium to coarse sand			

Notes: A new abovegrade protector was completed on 8-12-2019 due to damage by farm implements.

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) 8-12-2019 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. .... This Water Well Record was completed on (mo-day-year) 8-13-2019 under the business name of Below Ground Surface, Inc. Signature [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, GWTS 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**


Approximate Scale in Feet
1"=120'
0
60
120
Approximate Direction of Groundwater Flow
NOTES
1. GROUNDWATER ELEVATIONS INDICATED ARE FROM MEASUREMENTS OBTAINED AUGUST 31, 2016
2. THE APPARENT GROUNDWATER GRADIENT AND DIRECTION OF FLOW WERE DETERMINED TO BE APPROXIMATELY NORTHEAST TO THE SOUTHEAST
3. MONITORING WELLS MW-1R, MW-3R, MW-4R, MW-5R AND MW-21R WERE NOT USED IN CALCULATING THE APPARENT GROUNDWATER GRADIENT AND DIRECTION OF FLOW
LEGEND
Groundwater Monitoring Well Location
Domestic Water Well Location
Chase Transportation Property Boundary
Road Easement
Magellan Pipeline
Semcrude Pipeline
Elevation of Groundwater (ft msl)
Extrapolated Groundwater Elevation Contour (Int = 25 ft)
MW-9
MW-24
JETT PROPERTY
AECOM
2350 McGee Street, Suite 200
Kansas City, Missouri 64108
CLIENT: SHELL OIL PRODUCTS US
LOCATION: MAIZE, KANSAS
TITLE: GROUNDWATER GRADIENT AND CONTOUR MAP - MAIZE SPILL SITE CHASE TRANSPORTATION COMPANY
DRAWN BY: TMS
CHECKED BY: NZG
APPROVED BY: PMS
PROJECT NO.: 60481224
DATE: OCT. 2016
FIGURE NO.: 2