

WATER WELL RECORD Form WWC-5

Original Record Correction Change in Well Use

Division of Water Resources App. No.

Well ID MW-24

1 LOCATION OF WATER WELL: Fraction NW 1/4 SE 1/4 NW 1/4 SW 1/4 Section Number 1 Township Number T 26 S Range Number R 2 E W
 County: Sedgwick

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: Chase Pipeline Address: Rural Route #1, Box 173 2100 feet NE of intersection of North 135th Street West and W 69th Street N; Sedgwick County; ~3 NW of Maize KS
 Address: Rural Route #1, Box 173 City: El Dorado State: KS ZIP: 67042

3 LOCATE WELL WITH "X" IN SECTION BOX:

N

NW	NE
SW X	SE

S

-----1 mi-----

4 DEPTH OF COMPLETED WELL: 14 ft.
 Depth(s) Groundwater Encountered: 1) _____ 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: 8.5 in. to 14 ft. and _____ in. to _____ ft.

5 Latitude: 37.813916 (decimal degrees)
Longitude: -97.497583 (decimal degrees)
 Horizontal Datum: WGS 84 NAD 83 NAD 27
 Source for Latitude/Longitude: GPS (unit make-model: Garmin etrex) (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
 Irrigation
 Feedlot
 Industrial

2. Public Water Supply: well ID _____
 Dewatering: how many wells? _____
 Aquifer Recharge: well ID _____
 Monitoring: well ID MW-24
 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. 557 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 Concrete
 Grout Intervals: From 0 ft. to 1 ft. From 1 ft. to 3.5 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) pipeline
 Direction from well? north Distance from well? 800 feet _____ ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	3	brown silty sandy clay			
3	8	silty clayey sand			
8	12	fine to medium sand			
12	14	medium to coarse 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) 8-12-2019 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 710 This Water Well Record was completed on (mo-day-year) 8/13/2019 under the business name of Below Ground Surface, Inc. Signature: Craig R. Hew

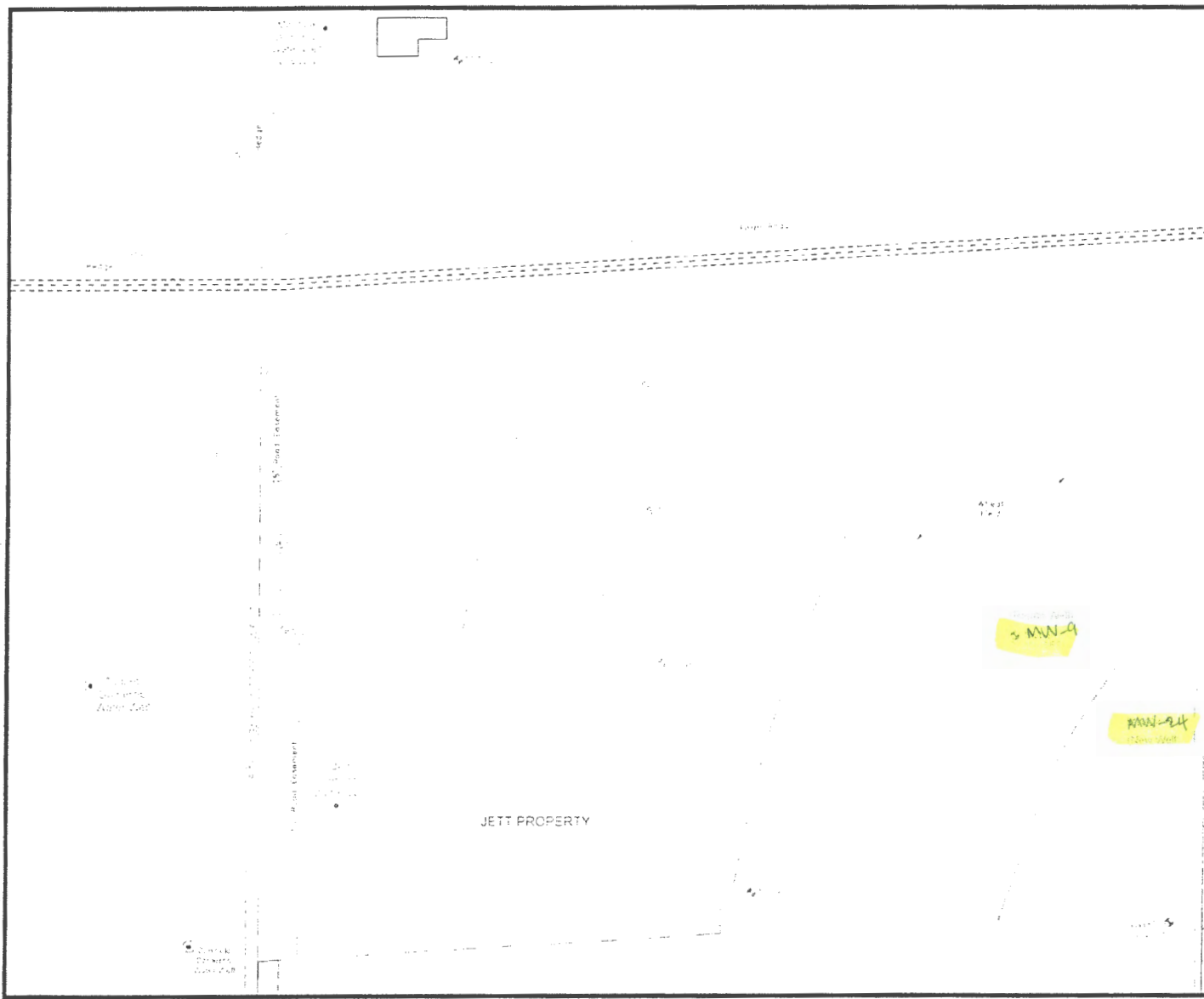
MAIZE SPILL SITE
 CHAS TRANSPORTATION COMPANY
 10/2016



Approximate Scale in Feet
 1" = 100'

0 50 100

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 NORTH TO THE SOUTHEAST.
 3. MONITORING WELLS MW-9, MW-94, MW-15R, MW-20R 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
- Easement
- Moplon Pipeline
- Semcorusa Pipeline
- Elevation of Groundwater (ft ms)
- Extrapolated Groundwater Elevation Contour (Int. = 25 ft)

AECOM 2380 McGee Street, Suite 200
 Kansas City, Missouri 64106

CLIENT: SHELL OIL PRODUCTS US, LLC		
LOCATION: MAIZE KANSAS		
DATE: GROUND WATER GRADIENT AND CONTOUR MAP - MAIZE SPILL SITE CHAS TRANSPORTATION COMPANY		
DRAWN BY TMS	CHECKED BY NZG	APPROVED BY PMS
PROJECT NO 60461224	DATE OCT. 2016	FIGURE NO 2

Prepared by: TMS
 Checked by: NZG
 Date: 10/2016