

WATER WELL RECORD Form WWC-5

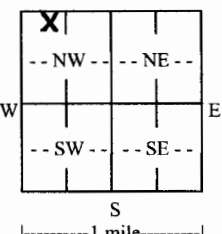
Division of Water Resources App. No.

Well ID MW-11R

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: <u>Ottawa Cloud (KGS/DRL)</u>	Fraction NW 1/4 NE 1/4 NW 1/4	Section Number 14	Township Number T 8 S	Range Number R 3 E <input checked="" type="checkbox"/> W
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2 WELL OWNER: Last Name: <u>NuStar Energy, LP</u> Business: <u>NuStar Energy, LP</u> Address: <u>19003 IH-10 West</u> City: <u>San Antonio</u> State: <u>TX</u> ZIP: <u>78257</u>	First: <u> </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: <input type="checkbox"/> <u>At intersection of 160th Road and Deer Road (Hwy 24) (900' E)</u> <u>100' S. of Hwy 24</u>
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3 LOCATE WELL WITH "X" IN SECTION BOX: N  W E S -----1 mile-----	4 DEPTH OF COMPLETED WELL: <u>18</u> ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: <u>10.7</u> ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) <u>5-28-2020</u> <input type="checkbox"/> 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>8.75</u> in. to <u>18</u> ft. and in. to ft.	5 Latitude: <u>39.36434</u> (decimal degrees) Longitude: <u>-97.62613</u> (decimal degrees) Horizontal Datum: <input checked="" type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input checked="" type="checkbox"/> GPS (unit make/model:) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper:
		6 Elevation: <u>NA</u> ft. <input type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input type="checkbox"/> Land Survey <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock 2. <input type="checkbox"/> Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID 6. <input type="checkbox"/> Dewatering: how many wells? 7. <input type="checkbox"/> Aquifer Recharge: well ID 8. <input checked="" type="checkbox"/> Monitoring: well ID <u>MW-11R</u> 9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease 11. Test Hole: well ID <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12. Geothermal: how many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water 13. <input type="checkbox"/> 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 8 ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface 0 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 8 ft. to 18 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 6 ft. to 18 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
Grout Intervals: From 0 ft. to 6 ft., From ft. to ft., From ft. to ft.

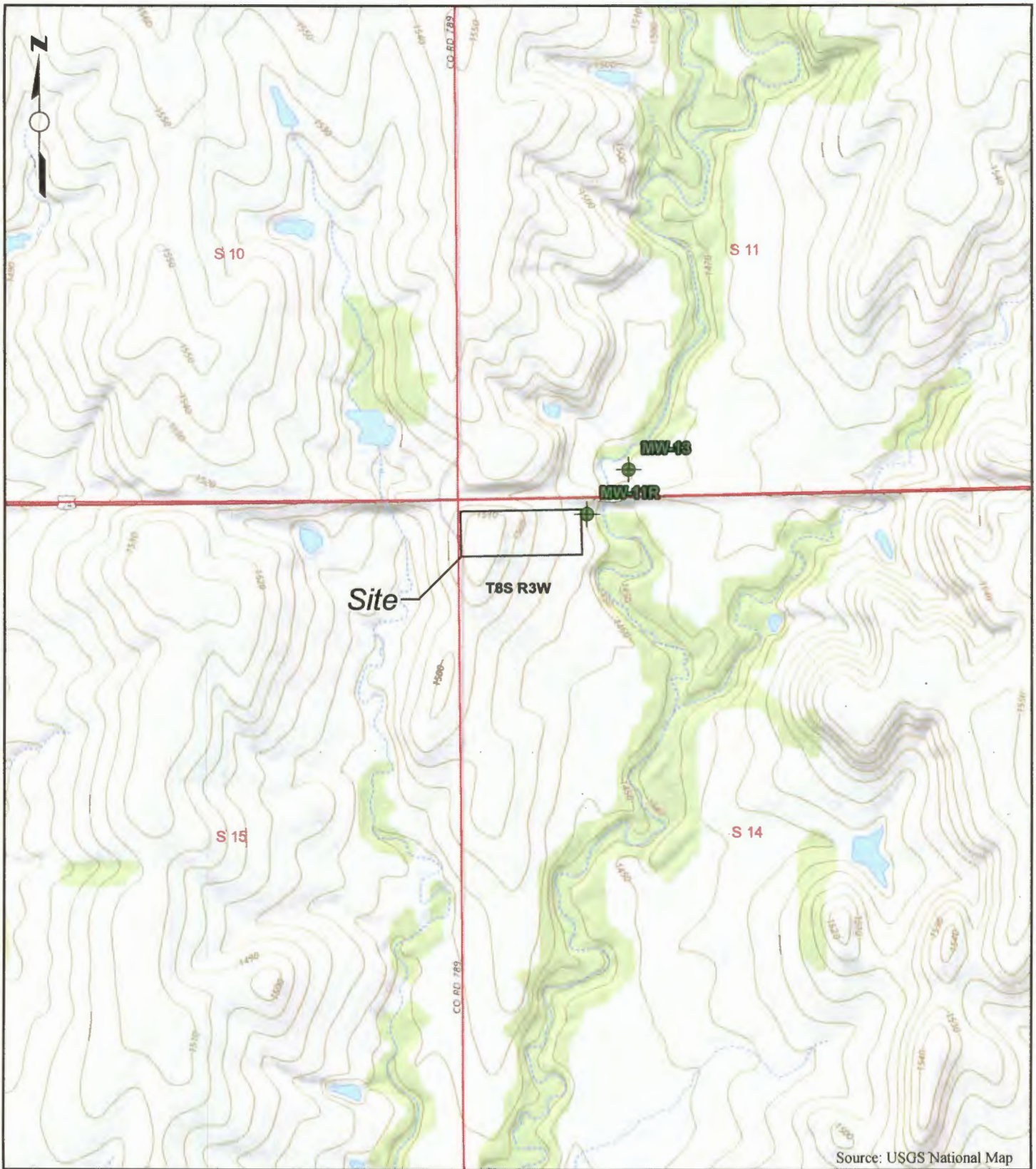
Nearest source of possible contamination:
 Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage
 Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well
 Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well
 Other (Specify)

Direction from well? Distance from well? ft.

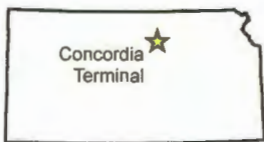
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
1	10	Clay, brown, plastic, moist, petroleum odor & staining, trace gravel			
10	13	Clay, brownish black, moist, sandy, petroleum odor			
13	14	Sand, brownish black, gravelly, wet strong petroleum odor			
14	18	Clay, light brown to brownish gray, dry, stiff			
			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) 5-27-2020 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 604 This Water Well Record was completed on (mo-day-year) 6/27/2020 under the business name of Environmental Priority Service, Inc. Signature [Signature]

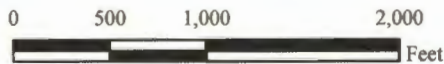
Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524. Visit us at <http://www.kdheks.gov/waterwell/index.html> KSA 82a-1212 **Revised 7/10/2015**



Source: USGS National Map



KANSAS
SECTION 14, T8S, R3W

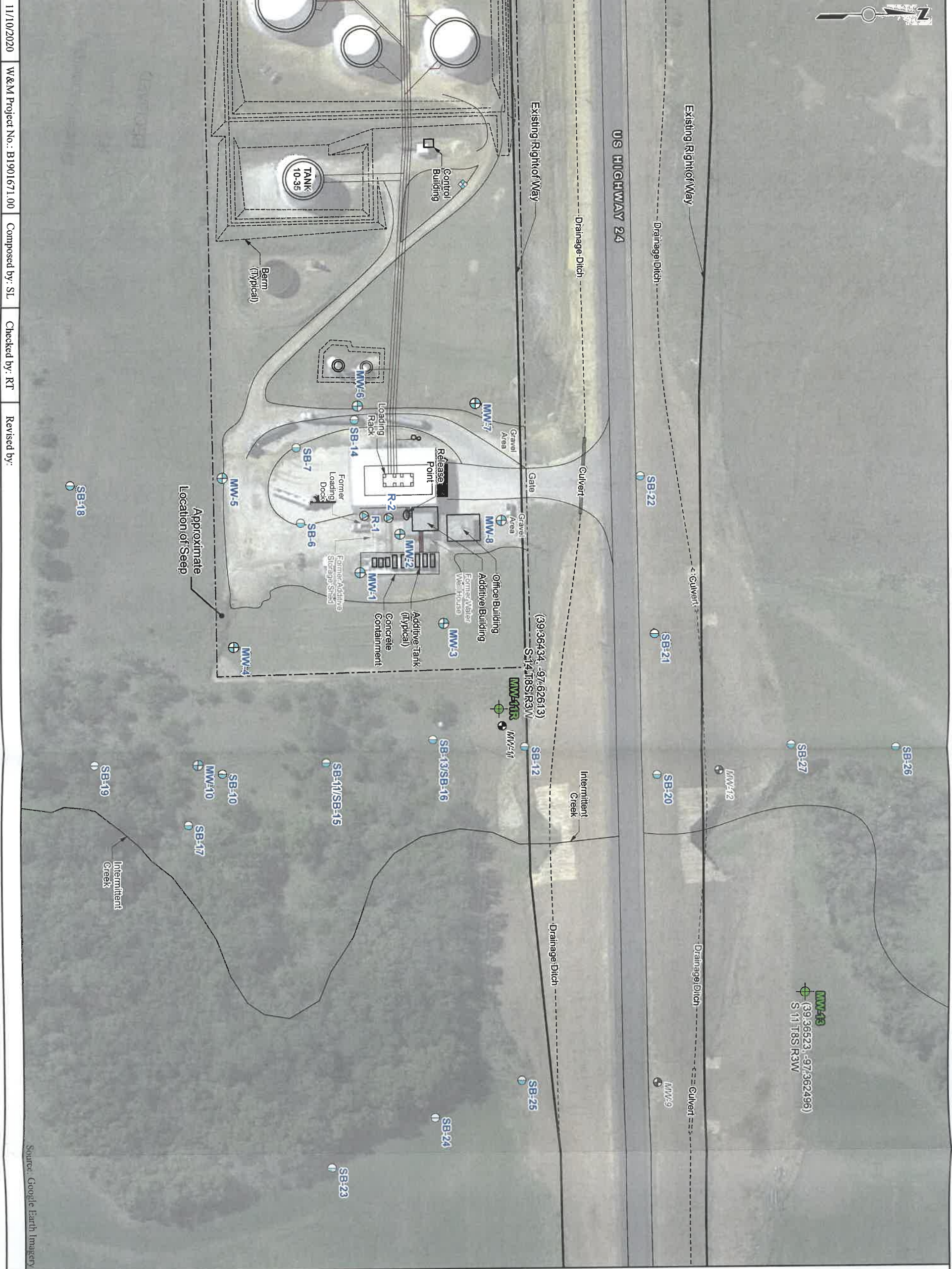


SCALE: 1" = 1,000'

Figure 1 Site Location Map

NuStar Pipeline Operating Partnership L.P.
Delphos, Kansas





11/10/2020 W&M Project No.: B1901671.00 Composed by: SL Checked by: RT Revised by:

- Legend**
- ⊕ Abandoned Monitoring Well
 - ⊕ Monitoring Well
 - ⊕ Monitoring Well (Installed on 5/27/2020)
 - ⊕ Recovery Well
 - ⊕ Soil Boring
 - ⊕ Water Well
 - Terminal Boundary (Approximate)
 - Underground Piping



Water Well Record Map
 NuStar Pipeline Operating Partnership L.P.
 Delphos, Kansas



RECEIVED
 NOV 19 2020
 BUREAU OF WATER

Horizontal Datum: WGS84

Source: Google Earth Imagery