

WATER WELL RECORD Form WWC-5

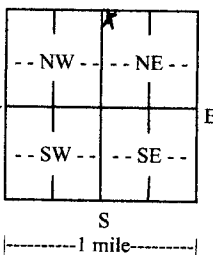
Original Record Correction Change in Well Use

Division of Water Resources App. No.

Well ID F-3R

1 LOCATION OF WATER WELL:
 County: Salina Fraction NW 1/4 NW 1/4 NW 1/4 NE 1/4 Section Number 15 Township Number T 14 S Range Number R 3 E W

2 WELL OWNER: Last Name: NuStar Energy First:
 Business: NuStar Energy
 Address: 2137 W Old Hwy 40 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:
 Address: East of intersection of Hwy 40 and I-135, Salina, Ks.
 City: Salina State: KS ZIP: 67401

3 LOCATE WELL WITH "X" IN SECTION BOX:


4 DEPTH OF COMPLETED WELL: 17.5 ft.
 Depth(s) Groundwater Encountered: 1) 9.0 ft.
 2) ft. 3) ft., or 4) Dry Well
 WELL'S STATIC WATER LEVEL: 4.5 ft.
 below land surface, measured on (mo-day-yr) 6-3-22
 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: 8.75 in. to 17.5 ft. and in. to ft.

5 Latitude: 38.841 37 (decimal degrees)
Longitude: -97.640 22 (decimal degrees)
 Horizontal 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: Google Earth

6 Elevation: 1224.77 ft. Ground Level TOC
 Source: Land Survey GPS Topographic Map
 Other

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	5. <input type="checkbox"/> Public Water Supply: well ID <u> </u>	10. <input type="checkbox"/> Oil Field Water Supply: lease <u> </u>
2. <input type="checkbox"/> Irrigation	6. <input type="checkbox"/> Dewatering: how many wells? <u> </u>	11. Test Hole: well ID <u> </u> <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID <u> </u>	12. Geothermal: how many bores? <u> </u> a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
4. <input type="checkbox"/> Industrial	8. <input checked="" type="checkbox"/> Monitoring: well ID <u>F-3R</u>	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	9. Environmental Remediation: well ID <u> </u> <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> Other (specify): <u> </u>

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 7.5 ft., Diameter 0 in. to ft., Diameter in. to ft.
 Casing height above land surface 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 7.5 ft. to 17.5 ft., From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 5.5 ft. to 17.5 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other cement pad
 Grout Intervals: From 5.5 ft. to ft., From 0 ft. to 1 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? west Distance from well? 50 ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Gravel			
0.5	4.5	Clay, gray, mottled dark brown, dry, petroleum odor			
4.5	12	Clay, gray brown, mottled, wet, pet odor			
12	17.5	Clay, gray brown, mottled, wet, plastic			
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) 6/1/2022 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) 6/30/22
 under the business name of Environmental Priority Service, inc. Signature P. M. T.



Garber Surveying Service, P.A.

Monitoring Well Survey

Client: Braun Intertec

Location: Salina Terminal, Salina, KS

(NW 1/4 Section 7, Township 6 South, Range 3 East of the 6th P.M.)

Monitoring Well Number	SPCS Northing	SPCS Easting	Elevation	Description
F-R3	185234.80	1414809.95	1224.77	North Rim PVC Casing
			1225.15	Ground
MW-4R	184998.83	1414150.38	1231.10	North Rim PVC Casing
			1231.18	Ground
MW-7	185143.20	1414872.96	1224.72	North Rim PVC Casing
			1225.15	Ground

CP/BM Number	SPCS Northing	SPCS Easting	Elevation	Description
10	185172.31	1414793.35	1228.08	Sq. Cut on SW corner of light pole, 2nd West of East Fence

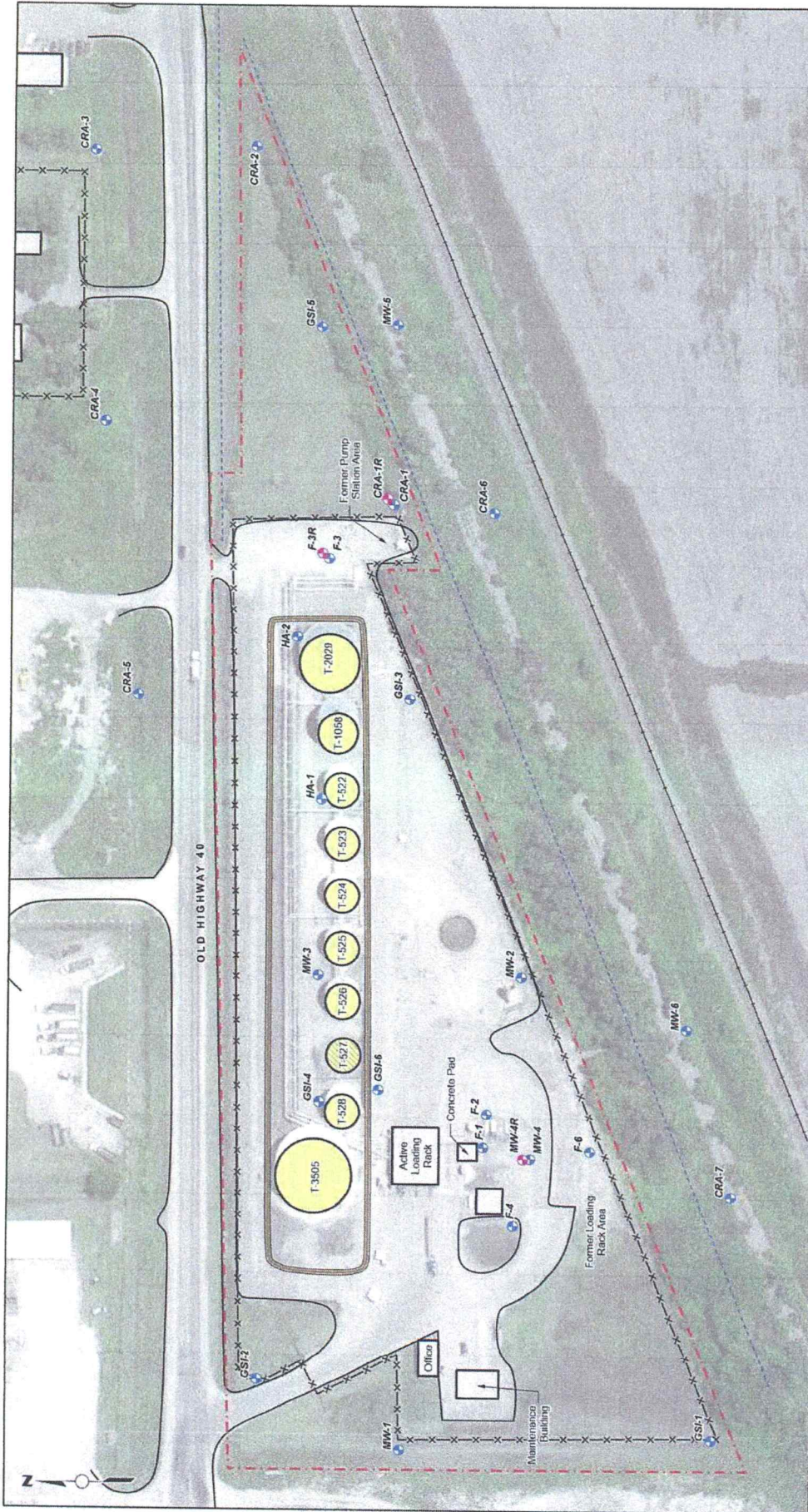
SURVEY NOTES:

- 1) The above survey data was collected on 6/2/2022
- 2) The above coordinate and elevation data is shown in NAD 83(2011) Kansas State Plane Kansas North Zone (SPCS), NAVD88 vertical datum

SURVEYOR'S CERTIFICATE:

I hereby certify the above data to be a true and correct representation of the elevations and location of the monitoring wells, as surveyed under my supervision, this 10th day of June, 2022.

Nicholas D. Schmidt, PS #1492



Source: APEX Site Plan (Nov-2018); Google Earth Imagery

Figure 1
Proposed Monitoring Wells
 Salina Terminal
 Salina, Kansas



Legend

	Approximate Site Boundary		Monitoring Well		Railroad
	Building		Proposed Monitoring Well		Fence/line
	Tank		Enriched Berm		Drainage Ditch
	Former Tank				

3/16/2022 Project No.: 82004272.00 Drawn by: SL Checked by: SG Revised by: