

Revised

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Doniphan Fraction SW 1/4 SE 1/4 NW 1/4 SW 1/4 Section Number 27 Township No. T 3 S Range Number R 22 E W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here Fastgas N Snax 2214 US Highway 36 66690 *Wathena, KS 66000*

2 WATER WELL OWNER: St. Joe Petroleum Co. RR#, Street Address, Box #: PO Box 3067 City, State, ZIP Code : St. Joseph, MO 64503

Global Positioning System (GPS) information: Latitude: 39.7580994 (in decimal degrees) Longitude: 94.9430084 (in decimal degrees) Elevation: 622.80 Datum: WGS 84, NAD 83, NAD 27 Collection Method: GPS unit (Make/Model:), Digital Map/Photo, Topographic Map, Land Survey Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

3 LOCATE WELL WITH AN "X" IN SECTION BOX:

N

--NW--		--NE--
X--SW--		--SE--

W E

S

1 mile

4 DEPTH OF COMPLETED WELL: 20 ft.

Depth(s) Groundwater Encounter: 12 ft. (2) N/A ft. (3) N/A ft.

WELL'S STATIC WATER LEVEL: 19.5 ft. below land surface measured on mo/day/yr. 11/21/12

Pump test data: Well water was N/A ft. after N/A hours pumping N/A gpm

EST. YIELD: N/A gpm Well water was N/A ft. after N/A hours pumping N/A gpm

Bore Hole Diameter: 8.25 in. to 20 ft., and N/A in. to N/A ft.

WELL WATER TO BE USED AS: Public water supply Geothermal Injection well Domestic Feedlot Oil field water supply Dewatering Other (Specify below) Irrigation Industrial Domestic-lawn & garden Monitoring well MW-10

Was a chemical/bacteriological sample submitted to Department? Yes No

If yes, mo/day/yr sample was submitted N/A

Water well disinfected? Yes No

5 TYPE OF CASING USED: Steel PVC Other

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter 2 in. to 20 ft., Diameter N/A in. to N/A ft., Diameter N/A in. to N/A ft.

Casing height above land surface 0 in., Weight N/A lbs./ft., Wall thickness or gauge No. Schedule 40

TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel PVC Other (Specify) Brass Galvanized Steel None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole) Louvered shutter Key punched Wire wrapped Saw cut Other (specify)

SCREEN-PERFORATED INTERVALS: From 10 ft. to 20 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.

GRAVEL PACK INTERVALS: From 8 ft. to 20 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From 2 ft. to 8 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.

What is the nearest source of possible contamination: Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below) Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well

Direction from well Northeast Distance from well <50-feet

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	5	brown clay sandy/silty clay with trace gravel	13	14	gray sandy clay wet
5	7.5	brown damp High plastic damp	14	15	gray high plastic clay wet
7.5	8.5	brown damp sandy clay	15	20	gray sandy clay wet
8.5	10	brown fine-medium grained sand damp			
10	12	brown damp fine-medium sand			
12	183	brown wet fine-medium grained sand			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 11/21/2012 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 759 This Water Well Record was completed on (mo/day/year) 12/2/2012 under the business name of RAZEK Environmental, LLC by (signature) Mrs. J. Paul

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

Bureau of Water
Geology Section
1000 SW Jackson St, Ste 420
Topeka, KS 66612-1367



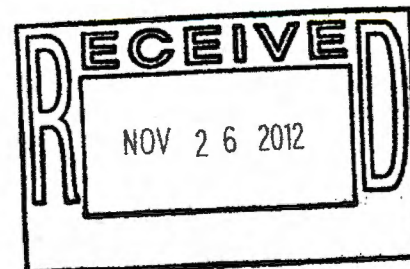
Phone: 785-296-3565
Fax: 785-296-5509
rharper@kdheks.gov
www.kdheks.gov/geo

Robert Moser, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

November 19, 2012



Williams & Company Consulting, Inc.
Katie Williams
9237 Ward Parkway
Suite 220
Kansas City, MO 64114

Re: Waiver request for flush mount monitoring wells for the **Fastgas N Snax, E. Hwy 36, Wathena, Kansas**. Located in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 27, Township 3 South, Range 22 East, Doniphan County, Kansas.

Dear Ms. Williams:

In accordance with Kansas Administrative Regulations (K.A.R.) 28-30-9, appealing regulations as stated in Article 30, your request for an exception to K.A.R. 28-30-6(b)(1) & (e) for authorization of 5 monitoring well to be constructed less than 12 inches above the finished ground level, at the above-mentioned site is hereby granted subject to the following stipulations:

1. Monitoring wells included in this request will be grouted from a maximum of two feet below ground surface to within one foot above the screened section.
2. The wellhead will be encased in an approved water resistant/proof manhole. The manhole will be encased in cement, which is to be domed or sloped to allow drainage away from the manhole, (refer to the attached diagram page 2).
3. The casing of the monitoring well will be sealed with an approved watertight lockable monitoring well caps (refer to the attached diagram).
4. A copy of this KDHE letter, approving your request for waiver of K.A.R. 28-30-6(b)(1) & (e), will be sent to KDHE attached to the water well record (WWC-5 Form) of the first well drilled under the granted waiver.

If you have any questions, please do not hesitate in giving us a call.

Sincerely,



Tim Sloan, L.S.
SMH CONSULTANTS