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			TIEUIS		
WATER WELL RECORD				Resources App. No	
1 LOCATION OF WATER V County: Doniphan	SW 1/4 SE 1/4 NV	N 1/4 SW 1/4	Section Number 27	T 3 S	Range Number R 22 ZE W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here					
Longitude: 94.942736 379 (in decimal degrees					
2214 OG Filgriway 30 GGOGG GGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC					
RR#, Street Address, Box #:	Collection Method:				
RR#, Street Address, Box #: PO Box 3067 City, State, ZIP Code : St. Joseph, MO 64503			☐ GPS unit (Make/Model:)		
3 LOCATE WELL					
WITH AN "X" IN SECTION BOX: Depth(s) Groundwater Encountered (1) 1 5 ift. (2) N/A					3) N/A #
N WELL'S STATIC WATER LEVEL.! 1. Selow land surface measured on mo/day/yr.11/21/12					
Pump test data: Well water was NAft. after NA hours pumping NA					
EST. YIELD. N/Agpm. Well water was N/A					
W 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					
☐ Irrigation ☐ Industrial ☐ Domestic-lawn & garden ☑ Monitoring well MW-9					
Was a chemical/bacteriological sample submitted to Department? ☐ Yes ☑ No					
S If yes, mo/day/yr sample was submitted. WA					
5 TYPE OF CASING USED: Steel PVC Other					
CASING JOINTS: Glued Clamped Welded Threaded					
Casing diameter .2 in. to .20					
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               ☐ 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. ft. N/A ft. to N/A ft. ft. N/A ft. ft. N/A ft. ft. from N/A ft. to N/A ft. ft. N/A ft. ft. N/A ft. ft. ft. N/A ft. ft. N/A ft. ft. ft. ft. N/A ft.					
GRAVEL PACK INTERVALS: From 8 ft. to .20 ft., From N/A ft. to .N/A ft.					
From. N/A					
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. Th. From N/A ft. to N/A ft. Th. Th. Th. Th. Th. Th. Th. Th. Th. Th					
Septic tank					
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 Southeast ☐ Distance from well <50-feet					
	THOLOGIC LOG	FROM T	O LITHO. LO	G (cont.) or PLU	GGING INTERVALS
0 5 Light red	I brown ory silty				
5 a Sand will	arough throughout	<del> </del>			
10 10 10	Jamo Fine-med	+			
gaines	Sal				
11.5 13.5 Brown,	yet, Fine-medium				
S(CNN Sa)		<del> </del>			
13.5 MT Brownish	A .	1			
17 20 gray w	et, Sanzicallay				
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was \( \big  \) constructed, \( \big  \) reconstructed, or \( \big  \) plugged					
under my jurisdiction and was completed on (mo/day/year) .1.1/21/20.12 and this record is true to the best of my knowledge and belief.  Kansas Water Well Contractor's License No759 This Water Well Record was completed on (mo/day/year) 12/2/2012					
under the business name of RAZEK Environmental LLC by (signature)					
INSTRUCTIONS: Use ty pewriter 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 Depar tment of Health and E nvironment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 666 12-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. I nelude fee of \$5.00 for each constructed well. Vi sit us at					
http://www.kdheks.gov/waterwell/index.html					
KSA 82a-1212	,		Check: Whi	te Copy, 🔲 Blu	e Copy, Pink Copy

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 ¼ of the SE ¼ of the NW ¼ of the SW ¼ 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).
- 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