WATER WELL R		WWC-5		sion of Water	1	Well ID MW		
Original Record D		ge in Well Use Fraction		irces App. No ion Number		Well ID		
County: Harper	AIER WELL:	SW 4 SW 4 NW 4 1	NW4 Sect	21	T 33 S	R 5 □ E M W		
2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and								
Business: Magellan I	direction from nearest town or intersection): If at owner's address, check here:							
Address: One Williams Center Mile Post 62.5					(N 90th Ave. and N 10th Road) near Freeport, KS			
Address: City: Tulsa State: OK ZIP: 74172						,		
3 LOCATE WELL			25		21. 11.529			
WITH "X" IN	4 DEPTH OF COM	4 DEPTH OF COMPLETED WELL: 25 ft.				5 Latitude: 37. 16528 (decimal degrees) Longitude: 97.87413 (decimal degrees) Horizontal Datum: WGS 84 \( \square\$ NAD 83 \( \square\$ NAD 27		
SECTION BOX:	Depth(s) Groundwater Encountered: 1) ft. 2)			Longit	ude: - 9 7 9 7 9 1	?(decimal degrees)		
N	WELL'S STATIC WATER LEVEL: ft.				ntal Datum: WGS 84	→ □ NAD 83 □ NAD 27		
below land surface, measured on (mo-day-yr)				Source for Latitude/Longitude:  GPS (unit make/model: .Garmin etrek)				
X_ <sub>NW</sub> <sub>NE</sub>					(WAAS enabled? XYes □ No)			
	Pump test data: Well water wasft.				☐ Land Survey ☐ Topographic Map			
W E	after hours pumping			Online Mapper:				
SW SE	Well water was							
	Estimated Yield:			6 Elevat	6 Elevation: 1300ft. Ground Level TOC			
S					Source:   Land Survey   GPS   Topographic Map			
1 mile  in. to ft.					Other KOLAR			
7 WELL WATER TO BE USED AS:								
1. Domestic:		ater Supply: well ID		10. 🔲 Oil	Field Water Supply: le	ease		
Household	6. Dewatering: how many wells?				11. Test Hole: well ID			
☐ Lawn & Garden☐ Livestock					Cased Uncased Geotechnical 12. Geothermal: how many bores?			
2. Irrigation	9. Environmental Remediation: well ID				a) Closed Loop  Horizontal  Vertical			
3. ☐ Feedlot	_ •				b) Open Loop  Surface Discharge Inj. of Water			
4. 🔲 Industrial	☐ Recovery			13. 🔲 Otl	ner (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 diameter								
Casing height above land surface								
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								
GRAVEL PACK INTERVALS: From								
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other								
Nearest source of possible contamination:								
Septic Tank	Lateral Lin	es	П	Livestock Per	ns 🗆 Insectio	cide 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)								
10 FROM TO	LITHOLO		FROM			r PLUGGING INTERVALS		
TO TROM	LITHOLO	odic Lod	TROW	10	LITHO. LOG (cont.) o	PLUGGING INTERVALS		
Notes:								
11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was a constructed, reconstructed, or plugged								
under my jurisdiction and was completed on (mo-day-year) 2/21/2018 and this record is true to the best of my knowledge and belief.  Kanasa Water Well Contractor's License No. 7.10								
Kansas Water Well Contractor's License No. 7.10 This Water Well Record was completed on molday-year) 3/1/2018.								
under the business name of Below Ground Surface, Inc.  Mail I 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								



WSP USA. Inc. 405 East 19th Avenue Suite A2 North Kansas City, MO 64116 TEL: +1 816 421 7766

## **GEOLOGIC LOG**

WELL NO.: MW-1

Page 1 of 1

OWNER: LOCATION: Magellan Ammonia Pipeline, L.P.

MP 62.5, Harper County, Kansas

**DRILLING CO.:** 

**BGS** 

**OBSERVATION METHOD:** Cuttings

**DRILLING METHOD:** 

Hollow Stem Auger

**OBSERVER:** 

DATE COMPLETED:

TOTAL DEPTH OF HOLE:

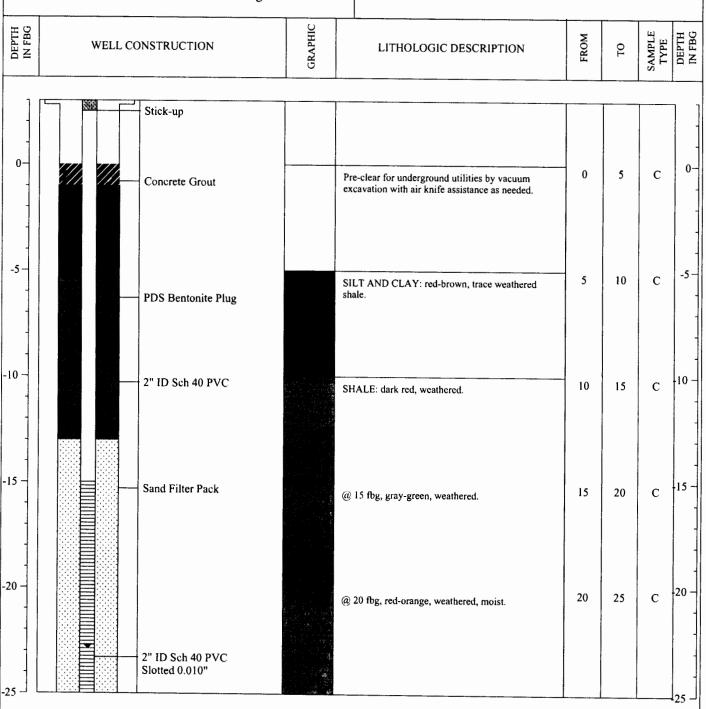
STATIC WATER LEVEL:

February 19, 2018

B. Bailey

25 feet below ground surface

22.9 ft bTOC (2-20-18)



NOTES: ft bTOC = feet below top of casing

ppm = parts per million

C = cuttings FBG = feet below grade