WATER WELL R	_			ion of Water		MW 4	
Original Record		e in Well Use		rces App. No.		Well ID	
1 LOCATION OF W County: Harper	ATER WELL:	Fraction NE 4NW4NE 4	NW 1/4 Secti	on Number	Township Number		
2 WELL OWNER: Last Name: First: Business: Magellan Midstream Partners			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: One Williams Center Mile Post 68 n					near Bluff City, KS		
Address:							
City: Tulsa 3 LOCATE WELL	State: OK	ZIP: 74172	2.0		10		
3 LOCATE WELL WITH "X" IN	4 DEPTH OF COMPLETED WELL: 30 ft.			5 Latitude: 37.081416 (decimal degrees)			
SECTION BOX:	Depth(s) Groundwater Encountered: 1)ft.			Longitude: -97.85273 (decimal degrees)			
N) ft., or 4)		Horizontal Datum: ₩WGS 84 □ NAD 83 □ NAD 27			
	WELL'S STATIC WATER LEVEL: ft.				Source for Latitude/Longitude:		
NW NE					GPS (unit make/model: Garmin etrek (WAAS enabled? XYes ☐ No)		
I I I I	Pump test data: Well water was ft.			Land Survey			
W E	after hours pumping gpm			Online Mapper:			
SW SE	Well water was						
	after hours pumping			6 Elevation: 1305ft. ■ Ground Level □ TOC			
S				Source: Land Survey GPS Topographic Map			
mile		in. to 	ft.				
7 WELL WATER TO BE USED AS:							
1. Domestic:		ter Supply: well ID		10. 🔲 Oil F	ield Water Supply: It	ease	
Household	6. Dewatering: how many wells?			11. Test Hole: well ID			
☐ Lawn & Garden ☐ Livestock	7. ☐ Aquifer Recharge: well ID			☐ Cased ☐ Uncased ☐ Geotechnical 12. Geothermal: how many bores?			
2. Irrigation	9. Environmental Remediation: well ID			a) Closed Loop Horizontal Vertical			
3. ☐ Feedlot	☐ Air Sparge ☐ Soil Vapor Extraction			b) Open Loop Surface Discharge Inj. of Water			
4. Industrial	☐ Recovery						
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							
Casing height above land surface							
TYPE OF SCREEN OR PERFORATION MATERIAL: ☐ Steel ☐ Stainless Steel ☐ Fiberglass ■ PVC ☐ Other (Specify)							
☐ Steel ☐ Stainless Steel ☐ Fiberglass ☐ PVC ☐ Other (Specify)							
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: From18 ft. to30 ft., From ft. to ft., From ft. to ft.							
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other							
Grout Intervals: From							
Nearest source of possible contamination: Septic Tank							
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	LITHOLOG		FROM				
TO PROME TO	LITHULUC	JIC LUG	PROM	10 1	a i no. Lou (cont.) o	r PLUGGING INTERVALS	
			-				
Notes:							
11 CONTRICTORIS OR VANDOWANDER OF THE PROPERTY							
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) 2/23/2018							
under my jurisdiction and was completed on (mo-day-year) 2/23/20.18 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 7.10							
under the business name of Below Ground Surface, Inc. 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,							
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-4

Page 1 of 1

DEPTH IN FBG

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

MP 68, Harper County, Kansas

DRILLING CO.: BGS OBSERVATION METHOD: Cuttings

DRILLING METHOD: Hollow Stem Auger **OBSERVER:**

B. Bailey **DATE COMPLETED:**

TOTAL DEPTH OF HOLE: STATIC WATER LEVEL:

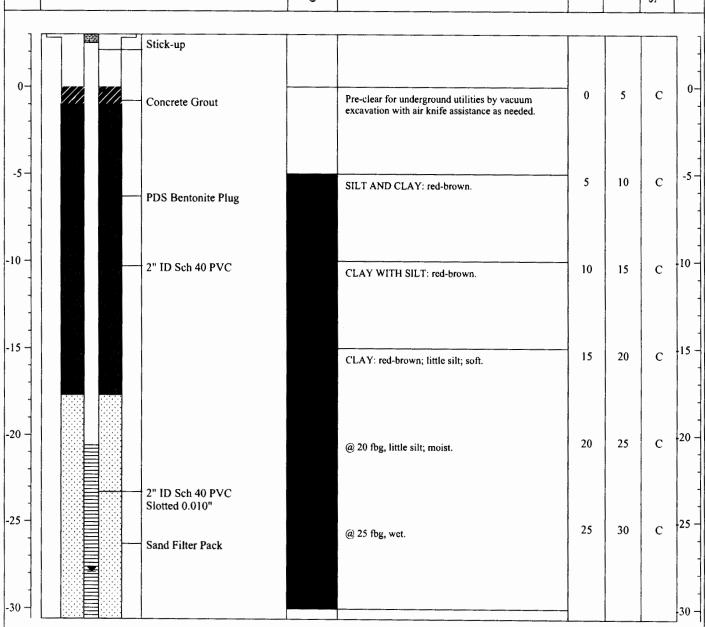
February 22, 2018

30 feet below ground surface

70

26.65 ft bTOC (2-23-18)

GRAPHIC DEPTH IN FBG FROM WELL CONSTRUCTION LITHOLOGIC DESCRIPTION Stick-up



NOTES: ft bTOC = feet below top of casing

ppm = parts per million

C = cuttings

FBG = feet below grade