

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Miami	Fraction ¼ ¼ NW ¼ NW ¼	Section Number 9	Township No. T 18 S	Range Number R 23 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> Magellan Pipeline Company, L.P. Paola Pump Station Site 24303 W. 343rd Street, Paola, KS		Global Positioning System (GPS) information: Latitude: .38.5049037..... (in decimal degrees) Longitude: -94.8822094..... (in decimal degrees) Elevation: Datum: <input type="checkbox"/> WGS 84, <input checked="" type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: GARMIN NUVI 760.....) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input checked="" type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m		
2 WATER WELL OWNER: Magellan Pipeline Company, L.P. RR#, Street Address, Box #: 13424 W. 98th Street City, State, ZIP Code : Lenexa, KS 66215				

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

N

W	-- NW --	-- NE --	E
	-- SW --	-- SE --	
	S		

|-----1 mile-----|

4 DEPTH OF COMPLETED WELL 16.40..... ft.

Depth(s) Groundwater Encountered (1)..... ft. (2) N/A..... ft. (3) N/A..... ft.

WELL'S STATIC WATER LEVEL 5.00..... ft. below land surface measured on mo/day/yr. 4-8-10.....

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 16.40..... 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 2.985..... ft., Diameter N/A..... in. to N/A..... ft., Diameter N/A..... in. to N/A..... ft.

Casing height above land surface 32.52..... 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 5..... ft. to 16.40..... ft., From ft. to ft.
From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 4.83..... ft. to 16.40..... ft., From ft. to ft.
From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From 1..... ft. to 4.83..... ft., From ft. to ft., From ft. to 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 Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
		SEE ATTACHED			

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) 4/8/10..... 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) 4/28/10..... under the business name of RAZEK Environmental, LLC..... by (signature) *Anthony Paulsen*.....

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 785-296-5522. 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>.

Drilling Log

Project Name MAGELLAN-PAOLA		Project Number 48042		Boring Number MW-10	
Ground Elevation —		Location PAOLA, KS		Page 1 OF 3	
Air Monitoring Equipment MINI RAE 2000 PID				Total Footage 16.4	
Drilling Type HOLLOW STEM AUGER	Hole Size 8 1/4"	Overburden Footage 15.6	Bedrock Footage 0.8	No. of Samples —	No. of Core Boxes —
Drilling Company RAZEK ENVIRONMENTAL, LLC			Driller(s) TOMY POULTER, SCOTT FERRIS		
Drilling Rig 6620 GEOPROBE DT			Type of Sampler CUTTINGS		
Date 4/8/10		To 4/8/10		Field Observer(s) KYLE PERINO	

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
0	GRASS									BEGIN: 0810
1	CLAY, WITH SILT, BLACK (7.5YR 2.5/1) DAMP, LOW PLASTICITY, STIFF	CL					○	○	○	
2										
3	CLAY, TRACE SILT, DARK BROWN (7.5YR 3/2), DAMP, MEDIUM PLASTICITY, STIFF	CL					○	○	○	
4										
5					0820		○	○	○	
6							○	○	○	
7	CLAY, SOME SILT, TRACE GRAVEL (ANGULAR) BROWN (7.5YR 4/3) DAMP, TRACE PLASTICITY, STIFF	CL								
8							○	○	○	
9										
10					0830		○	○	○	
11										
12	SAND, SOME CLAY, SOME GRAVEL (2.5Y 5/3) LIGHT OLIVE BROWN, MOIST, LOW PLASTICITY, MEDIUM CONSISTENCY	SC					○	○	○	▼
13										
14							○	○	○	

BZ=Breathing Zone BH=Bore Hole S=Sample



051601 Form WCD-2-1

Drilling Log Continuation

						Boring Number MW-10				
Project Name MAGELLAN-PAOLA						Page 2 OF 3				
Project Number 48042						Date 4/8/10				
Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
15	CLAY, SOME SILT, SOME GRAVEL (ANGULAR), TRACE SAND, DARK GRAYISH BROWN (2.5Y 4/2) DAMP, TRACE PLASTICITY, STIFF	CL			0840		0	0	0	
16	BEDROCK						0	0	0	
17	END BORING, TOTAL DEPTH, 16.4' bgs								END: 0845	
18										
19										

BZ=Breathing Zone BH=Bore Hole S=Sample



Drilling Log Continuation

Project Name						Boring Number					
MAGELLAN-PAOLA						MW-10					
Project Number						Page					
48042						3 OF 3					
Date						PID (ppm)					
4/18/10						BZ BH S					
Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels	
							BZ	BH	S		
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 20px;">7.98 RISER</div> <div style="margin-bottom: 20px;">11.40 SCREEN</div> <div style="margin-bottom: 20px;">0.03 END CAP</div> <div style="margin-bottom: 20px;">16.40</div> </div>	<p style="text-align: center;">MW-10</p> <p style="text-align: right;">ABOVE GRADE COVER</p> <p style="text-align: right;">1' CONCRETE bgs</p> <p style="text-align: right;">4.83' bgs BENTONITE CHIPS</p> <p style="text-align: right;">SAND FILTER PACK</p> <p style="text-align: center;">NOT TO SCALE</p>									<p>SET WELL @ 16.4' bgs</p> <p>INSTALL 11.40' OF 10 SLOT SCH 40 THREADED PVC SCREEN</p> <p>7.98' OF 2" DIAMETER SCH 40 PVC RISER AND 0.03' OF SLIP CAP END CAP.</p> <p>SAND INSTALLED FROM 16.40 - 4.83' bgs.</p> <p>BENTONITE CHIPS ADDED FROM 3.83^{4.83} - 4.83' bgs.</p> <p>1' bgs. FINISHED ABOVE-GRADE W/ A CONCRETE PAD TO GROUND LEVEL AND A ^{EP} WELL CASING COVER ABOVE GRADE.</p> <p>USED 8 BAGS OF FILTER SAND AND 2 BAGS OF BENTONITE CHIPS</p>	

