

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: Maellan Pipeline Company, L.P. RR#, Street Address, Box #: 13424 W. 98th Street City, State, ZIP Code : Lenexa, KS 66215				

<p>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</p> <p style="text-align: center;">N</p> <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">W</td> <td style="width: 40px;"> </td> <td style="width: 40px;"> </td> <td style="width: 40px;"> </td> <td style="width: 20px;">E</td> </tr> <tr> <td></td> <td>--NW--</td> <td>--NE--</td> <td></td> <td></td> </tr> <tr> <td></td> <td> </td> <td> </td> <td> </td> <td></td> </tr> <tr> <td></td> <td>--SW--</td> <td>--SE--</td> <td></td> <td></td> </tr> <tr> <td></td> <td> </td> <td> </td> <td> </td> <td></td> </tr> <tr> <td></td> <td colspan="3" style="text-align: center;">S</td> <td></td> </tr> </table> <p style="text-align: center;"> -----1 mile----- </p>	W				E		--NW--	--NE--									--SW--	--SE--									S				<p>4 DEPTH OF COMPLETED WELL 24..... ft.</p> <p>Depth(s) Groundwater Encountered (1)..... ft. (2) N/A..... ft. (3) N/A..... ft.</p> <p>WELL'S STATIC WATER LEVEL 3.92..... ft. below land surface measured on mo/day/yr. 4-8:10.....</p> <p>Pump test data: Well water was N/A.....ft. after N/A..... hours pumping. N/A..... gpm</p> <p>EST. YIELD N/A.....gpm. Well water was N/A.....ft. after N/A..... hours pumping. N/A..... gpm</p> <p>Bore Hole Diameter 8.25.....in. to 24.....ft., and N/A.....in. to N/A.....ft.</p> <p>WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well MW-7.....</p> <p>Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted. N/A.....</p> <p>Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
W				E																											
	--NW--	--NE--																													
	--SW--	--SE--																													
	S																														

5 TYPE OF CASING USED: Steel PVC Other.....

CASING JOINTS: Glued Clamped Welded Threaded

Casing diameter 2..... in. to 103 2.94.....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 2.94..... ft. to 24..... ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 2..... ft. to 24..... 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 2..... 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) 4/6/10..... 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) 4/20/10..... under the business name of RAZEK Environmental, LLC..... by (signature) *[Signature]*

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-7	
Ground Elevation		Location PAOLA, KS		Page 1 of 3	
Air Monitoring Equipment MINIRAE 2000 PID				Total Footage 24.0	
Drilling Type HOLLOWSTEM AUGER	Hole Size	Overburden Footage 23.0	Bedrock Footage 1.0	No. of Samples -	No. of Core Boxes -
Drilling Company RAZER ENVIRONMENTAL, LLC			Driller(s) TONY POULTER, SCOTT REERIS		
Drilling Rig GEOPROBE 6620 DT			Type of Sampler CUTTING		
Date 4/6/10		To 4/6/10		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						0	0	0	BEGIN: 1107
1	CLAY, SOME SILT, DARK BROWN (7.5YR 3/2) DAMP, MEDIUM PLASTICITY, STIFF	CL					0	0	0	
2										
3							0	0	0	
4										
5					1118		0	0	0	
6										
7	CLAY, SOME SILT, TRACE SAND, GREY W/ LIGHT BROWN, DAMP, MEDIUM PLASTICITY, MEDIUM TO STIFF (7.5YR 6/4)	CL					0	0	0	
8							0	0	0	
9										
10	SILT, SOME SAND, TRACE CLAY, MOIST, GREY W/ LIGHT BROWN, TRACE GRAVEL, TRACE PLASTICITY, MEDIUM	ML			1124		0	0	1.2	
11							0	0	2.0	
12							0	0	0	▼
13							0	0	0	
14										

BZ=Breathing Zone BH=Bore Hole S=Sample



Drilling Log Continuation

						Boring Number MW-7				
Project Name MAGELLA - PAOLA						Page 2 OF 3				
Project Number 48042						Date 4/6/10				
Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
15	SILT, SOME SAND, TRACE CLAY, GREY W/ LIGHT BROWN, MOIST, TRACE PLASTICITY, MEDIUM	CLRP ML								
16					1132		0	0	0	
17							0	0	0	
18							0	0	0	
19							0	0	0	
20					1140		0	0	0	
21	CLAY, W/ SILT, TRACE SAND, BROWN (7.5% R 5/4) DAMP, MEDIUM PLASTICITY, MEDIUM CONSISTENCY	CL					0	0	1.8	
22							0	0	0	
23	WEATHERED SHALE, DARK GRAY (2.5% 4/1) DRY, NON PLASTIC, VGRY STIFF						0	0	0	
24	END BORING, TOTAL DEPTH	24.00' bgs								END 1150
25										

BZ=Breathing Zone

BH=Bore Hole

S=Sample



051601 Form WCD-KC-2-2

Drilling Log Continuation

Project Name MAGELLAN - PAOLA		Boring Number MW-7
Project Number 48042		Page 3 OF 3
		Date 4/6/10

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
	<p>MW-7</p>									<p>SET WELL @ 24.0' bgs. INSTAL 21.06 OF 10 SLOT SCH 40 THREADED PVC SCREEN. 1.93 OF 2" DIA SCH 40 PVC RISER AND 0.03 OF SLIP CAP AND END CAP. SAND INSTALLED FROM 24.0' 2.83' bgs. BENTONITE CHIPS ADDED FROM 2.83' 1' bgs. FINISHED BELOW-GRADE W/ A CONCRETE COVER. USED 14.5 BAGS OF FILTER SAND AND 1 BAG OF BENTONITE CHIPS</p>