

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No. []

1 LOCATION OF WATER WELL: County: Miami Fraction 1/4 1/4 NW 1/4 NW 1/4 Section Number 9 Township No. T 18 S Range Number R 23 [X]E []W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here []. Magellan Pipeline Company, L.P. Paola Pump Station Site 24303 W. 343rd Street, Paola, KS Global Positioning System (GPS) information: Latitude: 38.5049037 Longitude: -94.8822094

2 WATER WELL OWNER: Magellan Pipeline Company, L.P. RR#, Street Address, Box #: 13424 W. 98th Street City, State, ZIP Code : Lenexa, KS 66215 Collection Method: [X] GPS unit (Make/Model: GARMIN NUVI 760) [] Digital Map/Photo, [] Topographic Map, [] Land Survey Est. Accuracy: [X] <3 m, [] 3-5 m, [] 5-15 m, [] >15 m

3 LOCATE WELL WITH AN "X" IN SECTION BOX: N W E S [] NW [] NE [] SW [] SE [] S 1 mile

4 DEPTH OF COMPLETED WELL 23.00 ft. Depth(s) Groundwater Encountered (1)..... ft. (2) N/A..... ft. (3) N/A..... ft. WELL'S STATIC WATER LEVEL 13.99 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 23.00..... 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 [X] Monitoring well MW-9 Was a chemical/bacteriological sample submitted to Department? [] Yes [X] No If yes, mo/day/yr sample was submitted N/A..... Water well disinfected? [] Yes [X] No

5 TYPE OF CASING USED: [] Steel [X] PVC [] Other CASING JOINTS: [] Glued [] Clamped [] Welded [X] Threaded Casing diameter 2..... in. to 5.5..... ft., Diameter N/A..... in. to N/A..... ft., Diameter N/A..... in. to N/A..... ft. Casing height above land surface 30.96..... in., Weight N/A..... lbs./ft., Wall thickness or gauge No. Schedule 40 TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [X] PVC [] Other (Specify) [] Brass [] Galvanized Steel [] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [] Continuous slot [X] 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 5.5..... ft. to 23.00..... ft., From..... ft. to..... ft. GRAVEL PACK INTERVALS: From 4.83..... ft. to 23.00..... ft., From..... ft. to..... ft.

6 GROUT MATERIAL: [] Neat cement [] Cement grout [X] 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 [X] Fuel storage [] Abandoned water well [] Watertight sewer lines [] Seepage pit [] Feedyard [] Fertilizer storage [] Oil well/gas well Direction from well..... Distance from well.....

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Row 1: SEE ATTACHED

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo/day/year) 4/7/10..... 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) 4/26/10..... under the business name of RAZEK Environmental, LLC by (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-9	
Ground Elevation		Location PAOLA, KS		Page 1 OF 3	
Air Monitoring Equipment MINIRAE 2000 PID				Total Footage 23'	
Drilling Type HOLLOW STEM AUGER	Hole Size 8 1/4"	Overburden Footage 22.0	Bedrock Footage 1.0	No. of Samples -	No. of Core Boxes -
Drilling Company RAZEK ENVIRONMENTAL, LLC			Driller(s) TONY POULTER, SCOTT FERRIS		
Drilling Rig 6620 GEOPROBE DT			Type of Sampler CUTTINGS		
Date 4/8/10 4/7/10		To 4/7/10		Field Observer(s) KYLE PERINO	

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
1	GRASS CLAY, SOME SILT, BROWN (7.5YR 4/3) DAMP, MEDIUM PLASTICITY, STIFF	CL					0	0	0	BEGIN: 1425
2										
3							0	0	0	
4										
5					1430		0	0	0	
6	CLAY, SOME SAND, TRACE SILT, (STRONG BROWN (7.5YR 5/6) DAMP, MEDIUM-LOW PLASTICITY, MEDIUM CONSISTENCY	CL					0	0	0	
7										
8	SAND, FINE GRADED, WELL GRADED, ^{KP} SOME SILT, TRACE CLAY, BROWN (7.5YR 5/4) DAMP, LOW PLASTICITY, MEDIUM CONSISTENCY	SP					0	0	0	
9										
10					1440		0	0	0	
11							0	0	0	
12	SAND, TRACE CLAY, TRACE SILT, LIGHT BROWNISH GRAY (7.5Y 6/2) MOST, LOW PLASTICITY, VERY SOFT	SP					0	0	0	
13										
14							0	0	0	

BZ=Breathing Zone BH=Bore Hole S=Sample



051601 Form WCD-2-1

Drilling Log Continuation

						Boring Number MW-9				
Project Name MAGELLAN - PAOLA						Page 2 OF 3				
Project Number 48042						Date 4/7/10				
Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
15	SAND, TRACE GRAVEL (ANGULAR), TRACE SILT (2.5 Y _{6/12}) LIGHT BROWNISH GRAY, WET WET, NOT PLASTIC, SOFT	SW			1445		0	0	0	▼
16						0	0	0		
17							0	0	0	
18							0	0	0	
19										
20					1454					
21							0	0	0	
22	WEATHERED SHALE (OLEY 1 3/10Y) VERY DARK GREENISH GRAY									
23	END BORING, TOTAL DEPTH, 23.0	bgs								END: 1500

BZ=Breathing Zone BH=Bore Hole S=Sample



Drilling Log Continuation

Project Name MAGELLAN-PAOLA	Boring Number MW-9
Project Number 48042	Page 3 OF 3
	Date 4/7/10

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
	<p style="text-align: center;">MW-9</p> <p style="text-align: right;">ABOVE GRADE COVER</p> <p style="text-align: right;">7.00 RISER</p> <p style="text-align: right;">1' BGS CONCRETE</p> <p style="text-align: right;">4.83' bgs BENTONITE CHIPS</p> <p style="text-align: right;">18.00' SCREEN</p> <p style="text-align: right;">0.03' END CAP</p> <p style="text-align: right;">23' bgs</p> <p style="text-align: center;">NOT TO SCALE</p>									<p>SET WELL @ 23.00' bgs</p> <p>INSTALL 18.00' SCREEN, 10 SLOT SCH 40 PVC.</p> <p>7.00' OF 2" DIA SCH 40 PVC RISER AND 0.03' OF SLIP CAP END CAP.</p> <p>SAND INSTALLED FROM 16.40 23.00 - 4.83' bgs. BENTONITE CHIPS ADDED FROM 4.83' - 1' bgs. FINISHED ABOVE-GRADE W/ A CONCRETE PAD TO GROUND LEVEL AND A WELL COVER ABOVE GRADE.</p> <p>USED 8 BAGS OF ^{1/2"} FILTER SAND AND 2 BAGS OF BENTONITE CHIPS.</p>