

**WATER WELL RECORD**

**Form WWC-5**

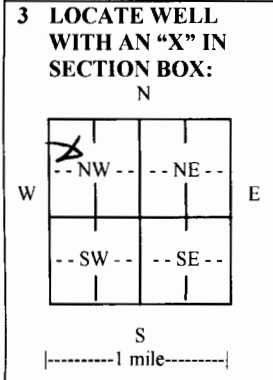
Division of Water Resources App. No.  

<b>1 LOCATION OF WATER WELL:</b> 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
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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..... (in decimal degrees)  
Longitude: -94.8822094..... (in decimal degrees)  
Elevation: .....  
Datum:  WGS 84,  NAD 83,  NAD 27  
Collection Method:  
 GPS unit (Make/Model: GARMIN NUVI 760.....)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m

**2 WATER WELL OWNER:** Maqellan Pipeline Company, L.P.  
RR#, Street Address, Box #: 13424 W. 98th Street  
City, State, ZIP Code : Lenexa, KS 66215



**4 DEPTH OF COMPLETED WELL** 30 ..... ft.

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

WELL'S STATIC WATER LEVEL 22.62..... 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 30..... 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-5.....

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 3.094..... 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 3.83..... ft. to 30..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From 3.83..... ft. to 30..... 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 3.83..... 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) 4/5/10..... 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) [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 <b>MCGELLAN-PAOLA</b>		Project Number <b>48042</b>		Boring Number <b>MW-5</b>	
Ground Elevation		Location <b>PAOLA, KS</b>		Page <b>1 OF 3</b>	
Air Monitoring Equipment <b>MINI RAE 2000 PID</b>				Total Footage	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. of Core Boxes
<b>HOLLOW STEM AUGER</b>	<b>8 1/4"</b>	<b>28.5</b>	<b>1.5'</b>	<b>-</b>	<b>-</b>
Drilling Company <b>RAZEK ENVIRONMENTAL, LLC</b>			Driller(s) <b>TONY POULTER, SCOTT FERRIS</b>		
Drilling Rig <b>6620 GEOPROBE DT</b>			Type of Sampler <b>CUTTINGS</b>		
Date <b>4/5/10</b>		To <b>4/5/10</b>		Field Observer(s) <b>KYLE PERINO</b>	

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
1	TOPSOIL, SOME CLAY, TRACE SILT, BLACK (7.5YR 2.5/1) DAMP, LOW PLASTICITY, VERY STIFF	CL					○	○	○	BEGIN: 0925
2	CLAY, SOME SILT, DARK GRAY (7.5YR 4/1) DAMP, MEDIUM PLASTICITY, VERY STIFF	CL					○	○	○	
3							○	○	○	
4							○	○	○	
5					0931		○	○	○	
6							○	○	○	
7							○	○	○	
8							○	○	○	
9							○	○	○	
10	CLAY, TRACE GRAVE, BROWN (7.5YR 4/4) DAMP, MEDIUM PLASTICITY, STIFF	CL			0935		○	○	○	
11							○	○	○	
12							○	○	○	
13							○	○	○	
14							○	○	○	

BZ=Breathing Zone    BH=Bore Hole    S=Sample



051601 Form WCD-2-1

# Drilling Log Continuation

Project Name <b>MAGELLAN, PAOLA</b>						Boring Number <b>MW-5</b>				
Project Number						Page <b>2 OF 3</b>				
Date <b>4/5/10</b>										
Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
15							0	0	0	
16	CLAY TRACE SILT, BROWN (10YR 4/3) DAMP, MEDIUM PLASTICITY, STIFF	CL			0945		0	0	0	
17							0	0	0	
18								0	0	0
19							0	0	0	
20					0957		0	0	0	
21							0	0	0	
22							0	0	0	
23							0	0	0	
24							0	0	0	
25					1006		0	0	0	
26							0	0	0	
27	CLAY, TRACE SILT, YELLOWISH BROWN, (10YR 5/4) MEDIUM PLASTICITY, MOIST, STIFF	CL					0	0	0	
28							0	0	0	
29	BEDROCK						0	0	0	
30	END BORING, TOTAL DEPTH 196' 30' bgs								END 1022	

BZ=Breathing Zone    BH=Bore Hole    S=Sample



# Drilling Log Continuation

Project Name <b>Magellan - Paola</b>						Boring Number <b>MW-5</b>	
Project Number <b>48042</b>						Page <b>3 OF 3</b>	
						Date <b>4/5/10</b>	

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>MW-5</p> <p style="text-align: center;">NOT TO SCALE</p> </div> <div style="margin-left: 10px;"> <p>1' CONCRETE</p> <p>3.09 RISER</p> <p>3.83 BENTONITE CHIPS</p> <p>26.00 SCREEN</p> <p>0.03 END CAP</p> <p>30'</p> <p>SAND FILTER PACK</p> </div> </div>										<p>SET WELL @ 30' bgs</p> <p>INSTALL 26.00' OF 10 SLOT SCH 40 THREADED PVC SCREEN, 3.09' OF 2" DIA SCH 40 PVC RISER AND 0.03' OF SLIP CAP END CAP.</p> <p>SAND INSTALLED FROM 30' - 3.83' bgs. BENTONITE CHIPS ADDED FROM 3.83' - 1' bgs.</p> <p>FINISHED BELOW-GRADE W/ A CONCRETE COVER, USED 7 BAGS OF FILTER SAND AND 2 BAGS OF BENTONITE CHIPS</p>