

**WATER WELL RECORD MW-22D Form WWC-5**

Division of Water Resources; App. No.  

<b>1 LOCATION OF WATER WELL:</b> County: <u>NE 1/4 NE 1/4 SE 1/4</u>	Fraction	Section Number <u>29</u>	Township Number T <u>10 S</u>	Range Number R <u>25 W</u>
Distance and direction from nearest town or city street address of well if located within city?		Global Positioning Systems (decimal degrees, min. of 4 digits) Latitude: <u>N 39° 8.929</u> Longitude: <u>W 94° 38.406</u> Elevation: _____ Datum: _____ Data Collection Method: <u>GPS MIN</u>		
<b>2 WATER WELL OWNER:</b> <u>Magellan Pipeline Company</u> RR#, St. Address, Box # : <u>ONE Williams Center</u> City, State, ZIP Code : <u>Tulsa, OK 74172</u>				

<b>3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:</b> N W E S	<b>4 DEPTH OF COMPLETED WELL</b> ..... <u>35.5</u> ..... ft. Depth(s) Groundwater Encountered (1) <u>21.28</u> ..... ft. (2) ..... ft. (3) ..... ft. WELL'S STATIC WATER LEVEL ..... ft. below land surface measured on mo/day/yr. .... Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm Est. Yield ..... gpm: Well water was ..... ft. after ..... hours pumping ..... gpm WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) <u>10 Monitoring well</u> ..... Was a chemical/bacteriological sample submitted to Department? Yes ..... No <u>X</u> .....; If yes, mo/day/yr Sample was submitted. <u>NIA</u> ..... Water well disinfected? Yes ..... No <u>X</u> .....
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<b>5 TYPE OF CASING USED:</b> 1 Steel 3 RMP (SR) 5 Wrought Iron 8 Concrete tile <u>2 PVC</u> 4 ABS 6 Asbestos-Cement 9 Other (specify below) 7 Fiberglass	CASING JOINTS: Glued ..... Clamped ..... Welded ..... <u>Threaded</u> .....
Blank casing diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft. Casing height above land surface ..... in., Weight ..... lbs./ft. Wall thickness or gauge No. <u>Sch 40</u> .....	
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass <u>7 PVC</u> 9 ABS 11 Other (Specify) ..... 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)	
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot <u>3 Mill slot</u> 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw cut 10 Other (specify) .....	
SCREEN-PERFORATED INTERVALS: From <u>20.5</u> ft. to <u>35.5</u> ft., From ..... ft. to ..... ft. From ..... ft. to ..... ft., From ..... ft. to ..... ft.	
GRAVEL PACK INTERVALS: From <u>18</u> ft. to <u>35.5</u> ft., From ..... ft. to ..... ft. From ..... ft. to ..... ft., From ..... ft. to ..... ft.	

<b>6 GROUT MATERIAL:</b> 1 Neat cement <u>2 Cement grout</u> <u>1 Bentonite</u> 4 Other	Grout Intervals: From ..... ft. to <u>18.5</u> ft., From <u>15</u> ft. to <u>18</u> ft., From ..... ft. to ..... ft.
What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide storage 16 Other (specify below) 2 Sewer lines 5 Cess pool 8 Sewage lagoon <u>11 Fuel storage</u> 14 Abandoned water well below 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 15 Oil well/gas well .....	
Direction from well? ..... How many feet? .....	

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
<i>See attached</i>					

**7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was 1 constructed, 2 reconstructed, or 3 plugged under my jurisdiction and was completed on (mo/day/year) 6-27-08 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) 7-13-08 under the business name of RAZEK Environmental LLC by (signature) Amir J. Razeq

**INSTRUCTIONS:** Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies 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 to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

# Drilling Log

Project Name <b>MAGELLAN PIPELINE COMPANY QUENDARO</b>		Project Number <b>48030</b>		Boring Number <b>MW-22D</b>	
Ground Elevation <b>NAT MEASURED</b>		Location <b>BPU QUENDARO</b>		Page <b>1</b>	
Air Monitoring Equipment <b>PID</b>				Total Footage <b>35.5'</b>	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. of Core Boxes
<b>DIRECT-PUSH NSA</b>	<b>2" 8 1/4"</b>	<b>35.5</b>	<b>—</b>	<b>—</b>	<b>—</b>
Drilling Company <b>RAZIC</b>			Driller(s) <b>T. FORTER S. FARRIS</b>		
Drilling Rig <b>TRACIL MOUNTED GEO PROBE</b>			Type of Sampler <b>ACETATE SLEEVES CUTTINGS</b>		
Date <b>6-26-08</b>		To <b>6-26-08</b>		Field Observer(s) <b>D. DAVES</b>	

Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
1	CLAY, SOME SILT, TRACES SAND, DARK YELLOWISH BROWN (10YR 4/4) VERY STEFF, MEDIUM PLASTICITY, DAMP, TRACE COAL AND BRICIL	CL FILL			0810				0	
2			4						0	22-3' bgs BACK FILL
3	SILT, SOME CLAY, TRACES TO SOME SAND, VERY DARK GRAYISH BROWN (10YR 3/2), VERY STEFF, TRACE PLASTICITY, DAMP	ML							0	
4	GRADING TO BROWN (10YR 4/3)								0	TRACE COAL
5					0813				0	
6									0	
7	MOIST								0	
8			3.5						0	
9										
10					0816				0	6" WRT
11									1.2	
12			4.2						3.8	
13			5							
14									2.6	

BZ=Breathing Zone    BH=Bore Hole    S=Sample



051601 Form WCD-2-1

# Drilling Log Continuation

						Boring Number <b>MW-220</b>				
Project Name <b>MPC QUINDARO</b>						Page <b>2</b>				
Project Number <b>49030</b>						Date <b>6-26-08</b>				
Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
14	CLAY, GRAYISH BROWN (2.5/5/2) VERY STIFF MEDIUM TO HIGH PLASTICITY DAMP	CH								
15										
16	MOIST TO WET SHEAR ON WATER IN SLEEVE SOME SILT				2.4	/				
17										
18										
19	SILT, SOME CLAY, DARK GRAYISH BROWN (2.5/4/2), STIFF, TRACE TO MEDIUM PLASTICITY, MOIST TO WET	ML								WATER IN 15-20' G. LEVEL
20										
21										
22	SOME VERY FINE TO FINE SAND WET				3.5	/				
23										
24	SAND, VERY FINE TO FINE, DARK GRAY (10/4/1) MODERATELY WELL SORTED WET, TRACE TO SOME SILT	SM								
25										
26										
27										
28										
29										
30										
31										
32										

BZ=Breathing Zone    BH=Bore Hole    S=Sample



# Drilling Log Continuation

						Boring Number <b>MW-22D</b>				
Project Name <b>MPC QUINDARO</b>						Page <b>3</b>				
Project Number <b>48030</b>						Date <b>6-26-08</b>				
Depth (feet)	Description	Class	Blow Count	Recov.	Run/Time	Sample Desig.	PID (ppm)			Remarks/ Water Levels
							BZ	BH	S	
33 34 35 36	SAND, VERY FINE TO FINE, DARK GRAY (10YR 4/1) WELL SORTED, WRT TRACE TO SOME SILT				0940					SOME SAND HEAVE
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p><b>MW-22D</b></p> <p>ROD = 18.26' 2" THREADED SCH 40 PVC</p> <p>SCREEN = 14.86' 2" 10 SLOT THREADED SCH 40 PVC</p> <p>ENDCAP = 0.18' PVC SLEEP CAP</p> </div> <div style="width: 35%; text-align: center;"> </div> <div style="width: 30%;"> <p>0-2' 695 CONCRETE PAD</p> <p>2-15' 695 TYPE I/II PORTLAND CEMENT</p> <p>15-18' 695 BENTONITE PELLETS</p> <p>18-35.5' 695 10/20 SILICA SAND</p> </div> </div> <p style="text-align: center; margin-top: 20px;"><b>FLUSH MOUNT WELL NOT TO SCALE</b></p>										