

<b>1 LOCATION OF WATER WELL:</b>		<b>Fraction</b>	<b>Section Number</b>	<b>Township Number</b>	<b>Range Number</b>
County: <b>Edwards</b>		<b>N ¼ N ¼ NW ¼</b>	<b>24</b>	<b>T 26 S</b>	<b>R 17 E/W</b>
Distance and direction from nearest town or city street address of well if located within city?					
<b>2 WATER WELL OWNER: ANR Pipeline, Co.</b>					
RR#, St. Address, Box # : <b>2135 11th Rd</b>					
City, State, ZIP Code : <b>Alden, KS 67512</b>					
Board of Agriculture, Division of Water Resource Application Number: <b>15-047-21495-00</b>					
<b>3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:</b>		<b>4 DEPTH OF COMPLETED WELL</b> <u>315</u> ft. <b>ELEVATION:</b> <u>2098</u>			
		Depth(s) Groundwater Encountered 1 ..... 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 ..... gpr			
		Est. Yield ..... gpm: Well water was ..... ft. after ..... hours pumping ..... gpr			
		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) 10 Monitoring well <b>Cathodic Well</b>			
Was a chemical/bacteriological sample submitted to Department? Yes ..... No <b>X</b> ..... If yes, mo/day/yr sample was submitted					
Water Well Disinfected? Yes ..... No					
<b>5 TYPE OF BLANK CASING USED:</b>					
1 Steel		3 RMP (SR)	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued <b>X</b> Clamped .....
<b>2 PVC</b>		4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded .....
Blank casing diameter ..... in. to <b>215</b>		7 Fiberglass			Threaded .....
Casing height above land surface <b>-3</b> in., weight <b>sch. 80</b>					
TYPE OF SCREEN OR PERFORATION MATERIAL:					
1 Steel		3 Stainless Steel	5 Fiberglass	7 PVC	10 Asbestos-Cement
2 Brass		4 Galvanized Steel	6 Concrete tile	8 RMP (SR)	11 Other (Specify) .....
				9 ABS	12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE:					
1 Continuous slot		3 Mill slot	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
2 Louvered shutter		4 Key punched	6 Wire wrapped	9 Drilled holes	
			7 Torch cut	10 Other (specify) .....	
SCREEN-PERFORATED INTERVALS: From ..... ft. to ..... ft., From ..... ft. to ..... ft.					
GRAVEL PACK INTERVALS: From ..... ft. to ..... ft., From ..... ft. to ..... ft.					
<b>6 GROUT MATERIAL:</b> <b>1 Neat cement</b> 2 Cement grout 3 Bentonite 4 Other .....					
Grout intervals: From <b>3</b> ft. to <b>215</b> ft., From ..... ft. to ..... 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	14 Abandoned water well
2 Sewer lines		5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines		6 Seepage pit	9 Feedyard	12 Fertilizer storage	16 Other (specify below)
Direction from well? <b>East</b>				13 Insecticide storage	<b>Irrigation Well</b>
				How many feet? <b>2500'</b>	
FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	5	Topsoil			
5	20	Medium Sand			
20	27	Tan Clay			
27	81	Medium Sand w/Streaks Clay			
81	91	Tan Clay			
91	140	Fine Sand w/pieces of Caliche			
140	143	Yellow Clay			
143	183	Sand Small-Med w/pieces of Tan Clay			
183	187	Tan Clay, tight			
187	193	Multi-colored Tan & Yellow Clay			
193	227	Shale, Light Grey Brown			
227	316	Grey Shale			
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) <b>7-18-04</b> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No <b>134 KDHE</b> . This Water Well Record was completed on (mo/day/yr) <b>08-20-04</b> under the business name of <b>ANR Pipeline Company</b> by (signature) <i>[Signature]</i>					
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.					

QF 4.10.10 DEEP ANODE DRILLING LOG

REV 0



Company ANR Pipeline Company Sec 24 Township 26 N Range 17 E  
 County Edwards State KS Job Number 04-058 Voltage Used 14.70

Depth	Amps	Geological Log	Depth	Amps	Geological Log	No.	Depth	No	Coke	With	Coke
5		0-5 Topsoil	205			1				5.5	
10		5-20 Medium Sand	210			2				5.8	
15			215	2.3		3				5.8	
20		20-27 Tan Clay	220			4				6.6	
25		27-81 Medium Sand w/Streaks Clay	225		227-316 Grey Shale	5				6.4	
30			230	2.2		6				6.0	
35			235			7				4.7	
40			240	1.9		8				4.5	
45			245			9				4.5	
50			250	2.5		10				5.3	
55			255			11					
60			260	2.6		12					
65			265			13					
70			270	2.4		14					
75			275			15					
80		81-91 Tan Clay	280	2.1		16					
85			285			17					
90		91-140 Fine Sand w/pieces of Caliche	290	2.2		18					
95			295			19					
100			300	2.2		20					
105			305	2.3		21					
110			310			22					
115			315		Total Depth 316'	23					
120			320			24					
125			325			25					
130			330			26					
135			335			27					
140		140-143 Yellow Clay	340			28					
145		143-183 Sand Small-Med.w/pieces	345			29					
150		of Tan Clay	350			30					
155			355								
160			360								
165			365								
170			370								
175			375								
180		183-187 Tan Clay, Tight	380								
185		187-193 Multi-colored Tan and Yellow	385								
190		Clay, yellow brown	390								
195		193-227 Shale, Light Grey Brown	395								
200			400								

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 SEP 13 2004  
 CONSERVATION DIVISION  
 WICHITA, KS

Interior Plug 10 Bags Holeplug				Vent 1" All-Vent		Length 120'	
Hole Dia.	10"	Total Depth	315'	Remarks			
No. Anodes	10	Size and Type	Lida 2.5/100				
Lbs. Coke	4250#	Coke Type	Loresco SC-3				
Ft. Casing	215'	Casing Diameter	10"	Signature	Johnnie Barnett	Date	07/17/04