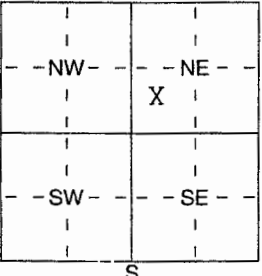


1 LOCATION OF WATER WELL: Fraction SW 1/4 SW 1/4 NE 1/4 Section Number 35 Township Number T 28 S Range Number R 20 20  
 County: Kiowa  
 Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: ANR Pipeline Company  
 RR#, St. Address, Box # : 2135 11th Rd  
 City, State, ZIP Code : Alden, KS 67512  
 Board of Agriculture, Division of Water Resources  
 Application Number: 15-097-21540-(

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  
  
 4 DEPTH OF COMPLETED WELL 286' ft. ELEVATION: 236.0  
 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 ..... 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) 10 Monitoring well Cathodic Well  
 Was a chemical/bacteriological sample submitted to Department? Yes ..... No X; If yes, mo/day/yr sample was submitted  
 Water Well Disinfected? Yes ..... No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped .....  
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded .....  
2 PVC 4 ABS 7 Fiberglass ..... Threaded .....  
 Blank casing diameter ..... 10 in. to ..... 170 ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.  
 Casing height above land surface ..... 0 in., weight sch. 80 lbs./ft. Wall thickness or gauge No. ....  
 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-Cement  
 1 Steel 3 Stainless Steel 5 Fiberglass 8 RMP (SR) 11 Other (Specify) .....  
 2 Brass 4 Galvanized Steel 6 Concrete tile 9 ABS 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes  
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) ..... ft.  
 SCREEN-PERFORATED INTERVALS: From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
 GRAVEL PACK INTERVALS: From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other .....  
 Grout Intervals: From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank 4 Lateral lines 10 Livestock pens 14 Abandoned water well  
 2 Sewer lines 5 Cess pool 7 Pit privy 11 Fuel storage 15 Oil well/Gas well  
 3 Watertight sewer lines 6 Seepage pit 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)  
 9 Feedyard 13 Insecticide storage Irrigation Well  
 Direction from well? North east How many feet? 3000 (estimated)

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Topsoil			
3	45	Tight Brown Clay w/pieces of Calchic			
45	74	Clay Silty			
74	82	Clay Silty w/fine sand			
82	97	Fine Sand & Silty Clay			
97	111	Soft Brown Clay, some fine sand and some Caliche			
111	114	Fine to Coarse Sand			
114	118	Fine to Coarse Sand mixed with Silty Tan Clay			
118	130	Fine Coarse Sand w/clay			
130	137	Fine to Coarse Sand			
137	146	Clay/Tan Shale			
146	150	Grey Shale			
150	171	Grey Shale (hard Multicolor (soft))			
171	200	Grey Shale			

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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) 6-30-04 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. 134 KDHE This Water Well Record was completed on (mo/day/yr) 08-20-04 under the business name of ANR Pipeline Company by (signature) [Signature]

# Darling Drilling Co.

Residence  
Phone  
662-3991

1211 W. 4th  
Hutchinson, Kansas 67501  
**DRILLER'S TEST LOG**

Office  
Phone  
662-7901

Customer's Name ANK / Mesa ~~DATA~~ Date 6/27/04  
Address MARKER 134 Test No. Cathodic  
County KIOWA Quarter NE Section 35 Township 28 Range 20

DRILLED FOOTAGE		DESCRIPTION OF STRATA	Indicate Test Location By an X			
From	To					
0	3	topsoil				
3	45	tight Brown clay w/ peices of caliche				
45	<del>60</del> 74	clay silty				
74	82	clay silty w/ fine sand				
82	87	Fine sand & silty clay				
87	<del>103</del> 111	soft brown clay some fine sand & some caliche				
<del>103</del> 111	114	fine to coarse sand				
114	118	fine to coarse sand mixed w/ silty tan clay				
118	130	fine - coarse sand w/ streaks of clay				
130	132	fine to coarse sand				
132	137	fine to coarse sand w/ clay silty				
137	146	clay shale - Tan				
146	150	Grey shale				
150	<del>171</del> 171	grey shale hard - Multicolor soft				
171	200	Grey shale				
200	202	grey shale w/ pieces of Sipsome				
202	220	grey shale				
220		dark grey shale w/ streaks of clam shell fossil				

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Static Water Level: \_\_\_\_\_

REMARKS: \_\_\_\_\_

Depth of Well 281

What kind of Casing Sched 80 Size 10"

PLAIN: 0 FT. to 171 FT. Kind PUC

PERF: N/A FT. to \_\_\_\_\_ FT. Kind \_\_\_\_\_

Gravel Pack Intervals: N/A FT. to \_\_\_\_\_ FT.

Grout Material: best cement, 4 FT. to 171 Ft

Contamination: \_\_\_\_\_

Direction from well: \_\_\_\_\_ FT.

Casing Height above land surface: \_\_\_\_\_

Bore Hole Diameter 16" & 9"

QF 4.10.10 DEEP ANODE DRILLING LOG

REV 0



Company ANR Pipeline Company Sec 35 Township 28 <sup>N</sup>S Range 20 <sup>E</sup>W  
 County Kiowa State KS Job Number 04-058 Voltage Used 13.54

Depth	Amps	Geological Log	Depth	Amps	Geological Log	No.	Depth	No	Coke	With	Coke
5		0-3 Topsoil	205		202-220 Grey Shale	1				7.5	
10		3-45 Tight Brown Clay w/pieces	210	2.3		2				8.3	
15		of Calchie	215			3				8.2	
20			220	2.4	220 - 286 Dark Grey Shale with	4				7.0	
25			225		Streaks of Clamshell fossil	5				7.5	
30			230	2.0		6				6.5	
35			235			7				6.8	
40			240	2.0		8				6.3	
45		45-74 Clay Silty	245			9				6.6	
50			250	2.0		10				6.3	
55			255			11					
60			260	2.6		12					
65			265			13					
70			270	2.3		14					
75		74-82 Clay Silty w/ fine sand	275			15					
80		82-97 Fine Sand & Silty Clay	280	2.6		16					
85			285		Total Depth 286'	17					
90			290			18					
95		97-111 Soft Brown Clay, some fine	295			19					
100		sand and some Caliche	300			20					
105			305			21					
110		111-114 Fine to Coarse Sand	310			22					
115		114-118 Fine to Coarse Sand mixed	315			23					
120		with Silty Tan Clay	320			24					
125		118-130 Fine Coarse Sand w/clay	325			25					
130		130-132 Fine to Coarse Sand	330			26					
135		132-137 Fine to Coarse Sand	335			27					
140		137-146 Clay/Tan Shale	340			28					
145		146-150 Grey Shale	345			29					
150		150-171 Grey Shale (hard)	350			30					
155		Multicolor (soft)	355								
160			360								
165			365								
170	2.2	171-200 Grey Shale	370								
175			375								
180	2.2		380								
185			385								
190	2.2		390								
195			395								
200	2.5	200-202 Grey Shale w/Jipsome	400								

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Volts	
Amps	
Ohms	
Rectifier Information	
Model	
Serial	
DCV	DCA
C	F
ACV	ACA
Shunt	

Interior Plug				Vent				Length			
Hole Dia.	10"	Total Depth	286'	Remarks Coke at 152'							
No. Anodes	10	Size and Type	Lida 2.5/100								
Lbs. Coke	4,000#	Coke Type	Loresco SC-3								
Ft. Casing	170	Casing Diameter	10"	Signature				Date 06/28/04			