

Improvement Number

Improvement Name

Well Name

Elkhorn Valley Recreation Site

Date Drilled

11-12-96 to 12-4-96

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL LOG

T. 9 N/R 3
 Sec. 10 SW 1/4 NW 1/4
 State 'Oregon' County Marion
 District Resource Area

DEPTH (Feet)	FROM	TO	CUTTINGS SAMPLE NUMBER	TYPE OF ROCK	COLOR	DESCRIPTION OF MATERIALS DRILLED		WATER YIELD (gpm)	REMARKS (Quality of water, ease of drilling, casing, loss of drilling fluid, etc.)
						OTHER CHARACTERISTICS (Grade size, hardness, etc.)			
0	10			Clay	brown	soft			Sticky
10	12			Clay	br. + Tan	soft			Sticky
12	20			Conglomerate br.		gravel sm. w/ clay			firm
20	25			Claystone	br. gray	gravel interbedded m-bed			firm
25	30			Claystone	br. gray	gravel blue small			firm
30	49			Claystone	gray	gravel blue			firm
49	60			Claystone	blue	rounded soft crumbly	15		caving
60	75			Gravel	br. gray	boulders & claystone frags	50		Drill Drive casing w/ centre shoe
75	95			Gravel	gray	medium to large	80		gray to green w/ browns
95	108			Gravel	red, m. tan	volcanic rock soft			not sure if producing
108	110			Gravel & clay	Tan	soft sticky			
110	112			Gravel w/ clay	blue	soft			
112	116			Gravel w/ clay		small w/ quartzite			80% gr. 20% clay blue
116	121			Gravel w/ clay		maroon soft			50% gr. 50% clay
121	124			Clay	maroon	& green			
124	127			Clay	blue/gray				
127	130			Clay	brown				Sticky

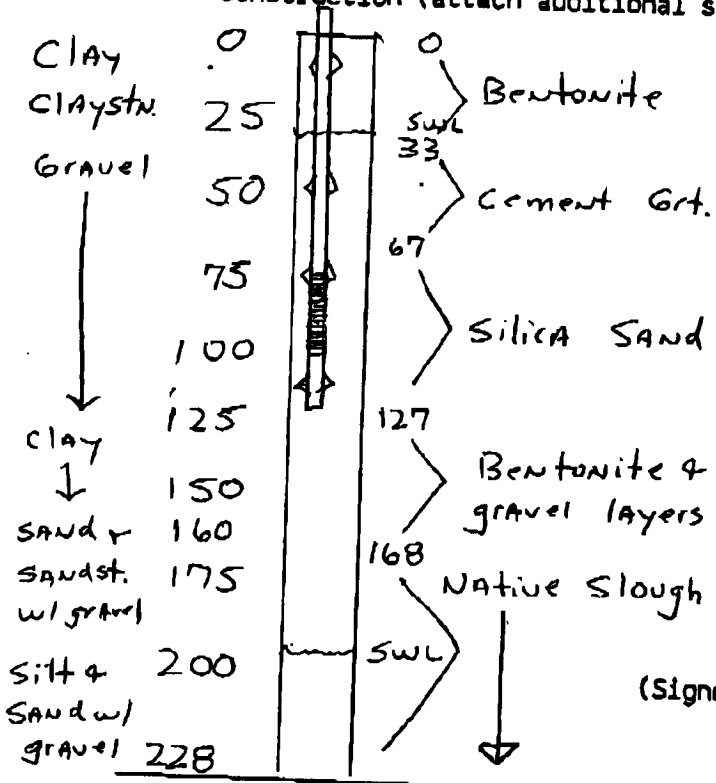
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 SALEM, OREGON

(Instructions on reverse)

DEPTH (feet)		CUTTINGS SAMPLE NUMBER	DESCRIPTION OF MATERIALS DRILLED				WATER YIELD (gpm)	REMARKS (Quality of water, ease of drilling, coring, loss of drilling fluid, etc.)
FROM	TO		TYPE OF ROCK	COLOR	OTHER CHARACTERISTICS (Grain size, hardness, etc.)			
130	162		Clay	br. & gray	m-hard w/ gravel		80% clay	
162	170		Sandstone	brown	med-coarse soft		firm	
170	180		Sand	gray	interbed		firm	
180	210		Sandstone	blue	gravel sm.		firm fine sand	
210	220		Sand	gray	fine w/ gravel sm		fine silt	
220	229		Gravel & Sand	brown & blue	fine silty caving	30	having SWL 194'	

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(6) A diagram showing the pertinent features of the proposed well design and construction (attach additional sheet if necessary):



6" casing

1 1/2" Borehole to 160'

9" Borehole to 180'

6 1/2" Borehole to 228'

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WATER RESOURCES DEPT.
SALEM, OREGON

(Signed) *Eugene P. [Signature]*
(WELL CONSTRUCTOR)

For Water Resources Department Use Only

Date: 12-17-96

Approved by: [Signature]

Denied by: _____

Remarks: _____

NOTE:

(1) If approval, all other phases of construction must be in compliance with State Well Construction Standards.

(2) If it should be determined at some future date that the well, due to its construction, is offering an avenue for pollution of the ground water body, it will be necessary for you to return to the site to correct any well deficiencies.