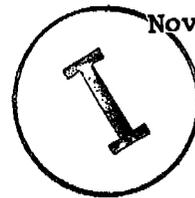




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B. Fernley Tap Ground Bed (W.A. 24-1938-67)

This 10" hole was drilled to a depth of 232 feet. At this depth, all circulation was lost and the contractor was permitted to load the hole short of the 250 foot depth as there was some danger that the entire installation could be lost due to sloughing.

#124

<u>Depth</u>	<u>Formation</u>
0 - 20'	Gravel with some sand.
20' - 42'	Boulders and broken black rock.
42' - 130'	Broken black rock.
130' - 190'	White clay.
190' - 200'	White clay with broken black rock.
200' - 232'	Broken black rock with white clay.

While drilling, water was encountered in the 20' - 42' strata. After 48 hours, water stood at a depth of 30 feet (from top) in the vent pipe. The casing packer was set at 40'. Results of the electronic log at 10' intervals follows:

<u>Depth</u>	<u>Ohms</u>	<u>Depth</u>	<u>Ohms</u>	<u>Depth</u>	<u>Ohms</u>
0 - 60'	No Water	120' - 125'	17	190' - 195'	4.0
60' - 65'	12	130' - 135'	4.0	200' - 205'	4.5
70' - 75'	14	140' - 145'	4.0	210' - 215'	5.0
80' - 85'	14	150' - 155'	4.5	220' - 225'	6.5
90' - 95'	12	160' - 165'	5.0	230' - 232'	7.0
100' - 105'	14	170' - 175'	6.0		
110' - 115'	15	180' - 185'	5.0		

The No. 1 anode (first in) was installed at the 220' - 225' level. Two hours after the coke breeze was poured into the hole, the following resistances were recorded:

No. 1	1.8 ohms	No. 6	1.2 ohms
No. 2	1.6 ohms	No. 7	1.0 ohms
No. 3	1.6 ohms	No. 8	1.0 ohms
No. 4	1.4 ohms	No. 9	1.0 ohms
No. 5	1.2 ohms	No. 10	1.0 ohms (top)

Anodes were installed on 10' centers.

The low circuit resistance was due to the fact that the anodes had become fairly compacted in the coke breeze.

The work at this location was done as estimated except the depth of the hole was 18 feet less than originally planned.

LOCATION OF DEEP HOLE ANODE.

SW 1/4 SW 1/4 SE 1/4 SW 1/4 SEC. 22 T. 20N., R. 24 E.

M. D. B. E. M.

Log Furnished by
Southwest Gas Co.



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