



WATER-RIGHT DOCKET

Buffalo National River

Docket No: 15

TYLER BEND #4

Supporting Hydro Data

11-30-1978: letter to state geologist requesting information on drilling of test hole and relevant information; november 30, 1978

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L54(SWR)OM

NOV 30 1978

Mr. Orville Wise
State Geologist
Arkansas Geological Commission
3815 W. Roosevelt Road
Little Rock, Arkansas 72204

Dear Mr. Wise:

In response to your telephone request the following is written confirmation of the locations of the five test holes drilled at Tyler Bend on the Buffalo River. Tyler Bend area is located upstream where U.S. Highway 65 crosses the Buffalo River near Silver Hill.

All wells were drilled by Harold King Drilling Company of Everton, Arkansas during the period of June 12 to July 1, 1978. The accompanying table summarizes the physical description of each well and the accompanying plat shows their locations. Cutting samples from each well were mailed to you for analysis sometime ago.

In the near future our intentions are to drill up to 12 additional wells and test pump all wells drilled in the last two years. Chemical analysis of each well water will also be made. All of the above data will be furnished to your office as they become available.

Sincerely yours,

/S/ John E. Coan

Regional Director,
Southwest Region

Enclosures

cc:

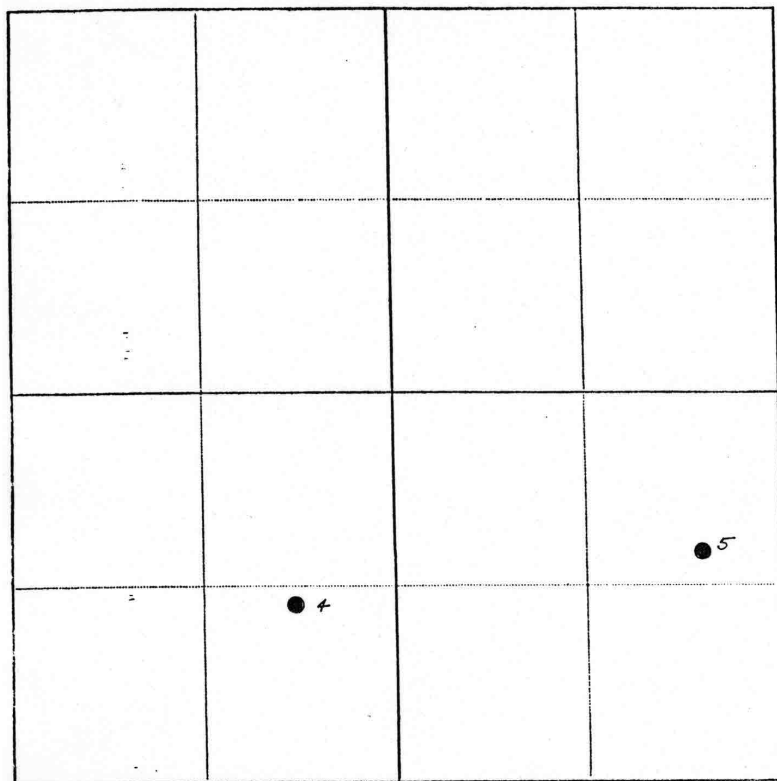
Chief, Division of Air and Water, WASO, 550 (Atten: Vic Berte')
Supt., Buffalo NR
Moore, OM, SWR (each with copies of enclosures)

Well #	Elev. (ft.)	Depth (ft.)	Diameter (inches)	Casing Depth (ft.)	Grout Depth (ft.)	SWL (BGL) ¹⁾ (ft.)	Drilling Estimate ²⁾ flow
1	950	1275	6	68	68	132.82	10
2	950	670	6	66	66	259.46	45
3	975	580	6	61	61	203.28	50
4	625	235	6	130	130	60.41	150
5	625	430	6	93	93	26.07	60

1) SWL (BGL) means Static Water Level (Below ground level)

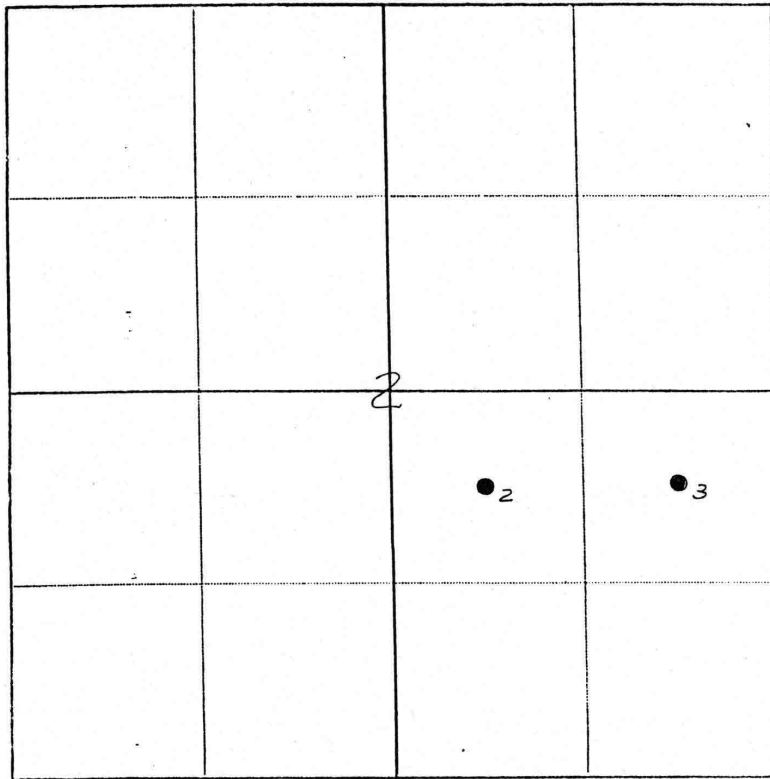
2) Method - Watch and 5 gal. bucket

Sec. 35 Township No. 16N of Range No. 17W



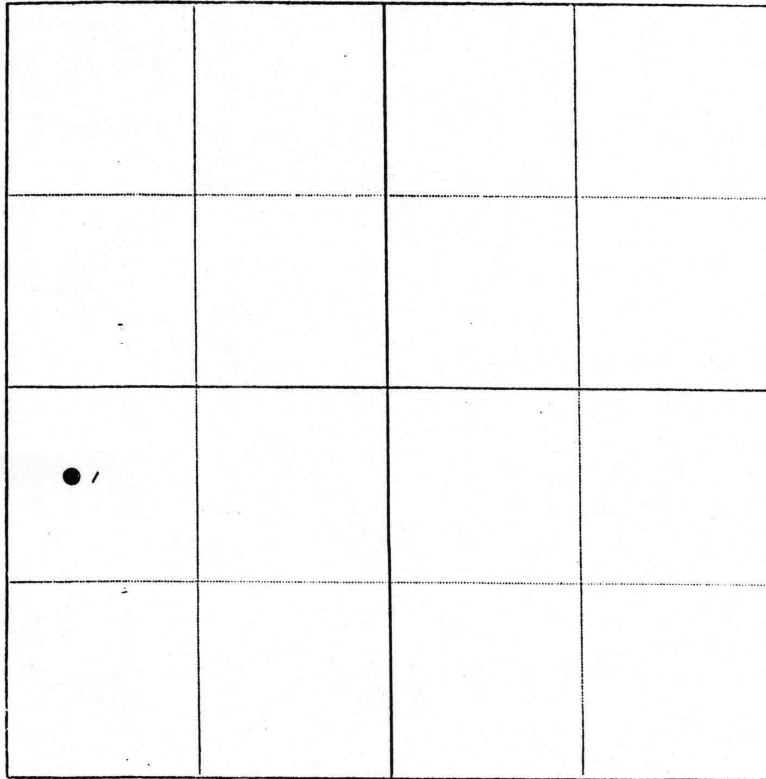
BUFFALO NATIONAL RIVER - SEARCY COUNTY
AREA - TYLER BEND

Sec. 2 Township No. 15 N of Range No. 17 W



BUFFALO NATIONAL RIVER - SEARCY COUNTY
AREA - TYLER BEND

Sec. 1 Township No. 15N of Range No. 17W



BUFFALO NATIONAL RIVER - SEARCY COUNTY
AREA - TYLER BEND

Well #4

Drilled by: Harold King Well Drilling Company, Everton, Arkansas
Date drilled: 6/21/78
Project Supervisor: Garland Moore, Southwest Region, Water Resources
Location: Tyler Bend, Buffalo National River

Driller's Log

<u>Depth</u>	<u>Description</u>
0' to 68'	Clay and gravel
68'	Rock 69'
70'	Mud and gravel and chunk rock
82'	Rock
88'	4" Crauus
90'	Soft rock
105'	Hard rock, pink lime, few ins.
170'	Dark gray lime, Water?
183'	Dark gray shale lime and quartz, water?
197'	Dark sandie shale and quartz, water?
212'	Grey lime
218'	More, water?

150 g.p.m. clear water, odor and taste, clean well, to water
Sulphur? 235' D. 130'C, 170' water

Casing	Drill pipe
32' 8"	105'
32'	36'
31' 5"	141
33' 6"	less 11
129' 7"	130'

Docket Information

Number of Documents in Docket 6
Documents Dated from 6/21/1978 to 11/30/1978
Docket Compiled: 2/10/2011