



WATER-RIGHT DOCKET

Chickasaw National Recreation Area

Docket No: 12

OBSERVATION WELL #2

Preliminary Docket Information

00-00-0000: water docket information

WATER DOCKET INFORMATION

AREA	CHICKASAW
DOCKET NO.	12
APPLICATION NO.	
STATE RIPARIAN NO.	
CERTIFICATE NO.	
TITLE OF DOCKET	OBSEEVATION WELL # 2
PRIORITY	
REMARKS	

[illegible]

WATER RIGHTS DATA SHEET

Organization
Code 7 5 1 0Docket
Classification F (R) A
Federal Reserved AlienDocket
Number 1 2

Source Number 1 2 of 4 0

Card #1 (1A) 1C
Add Change

Site 0 B U E R V A T I O N W E L L # 2

Location 1 Township/Range --- T 1 S R 3 E Sec 0 1 A B C D of A B C D of A B C D
NE NE NE NE SE SE SE SE

2 Lat/Long --- Latitude 3 4 3 0 1 8 S Longitude 0 9 6 5 9
deg min sec deg min sec

3 Other ---

Card #2 (2A) 2C
Add ChangeSequence
Number 0 1

State 4 0

County M U R R A Y

Acquired by 1 2 3 4 5
Purchase Appropriation Riparian Reservation Other
(Explain in Remarks)

Application
NumberCancellation
Date year month dayPermit
NumberCancellation
Date year month dayCertificate
NumberCancellation
Date year month day

*Complete letter
in CHIC - 30*

LS4(S&R-OM)

MAY 27 1983

Mr. James R. Barnett
Executive Director
Oklahoma Water Resources Board
P.O. Box 53585
Oklahoma City, Oklahoma 73152

Dear Mr. Barnett:

Following the National Park Service's "Declaration of Water Rights" to all springs and wells (see Enclosure A for individual listing), at Chickasaw National Recreation Area dated May 9, 1983, enclosed you will find the following additional information:

1. Excerpts of correspondence, office memoranda, etc., dated from the early 1900's generally describing the development of selected springs within the Sulphur Springs Reservation (formerly Platt National Park).
2. Photographs showing visitor use of selected springs through the years.

In addition to the above declarations, the National Park Service obtains water from the following water sources for municipal purposes.

1. City of Sulphur, Oklahoma.
2. Rural Water District No. 1.
3. NPS Water Treatment Plant.

Municipal water purchased from the City of Sulphur and the Rural Water District No. 1 from 1976 to 1982 is as follows:

<u>Year</u>	<u>City of Sulphur</u>	<u>RWD No. 1</u>
1976	1.431	.003
1977	2.199	.021
1978	4.383	.032
1979	3.287	.133
1980	1.035	.066
1981	1.639	.015
1982	1.195	3.037

The above metered values are in million of gallons per year.

Supplemental mineral water is obtained from the overflow of an artesian well (Caylor Well), which is located on non-National Park Service property within Sulphur, Oklahoma. The water has been flowing into park land since 1937, as nearly as we are able to determine at this time. A formal agreement reflecting the above verbal agreement, which has been in effect since 1937(?), was entered on June 3, 1961. The initial flow to the park from Caylor Well is estimated at 15 to 20 gallons per minute.

Visitation figures to the area (see Enclosure 3), compiled by the staff of Chickasaw National Recreation Area from 1907 to 1982 are also enclosed. As you will note, visitation to the area shows an increasing trend from 106,332 in 1908 to 2,094,319 in 1982. Visitation has increased in part because of the increasing size of the park and construction or replacement of physical facilities, plus the discovery of the recreational and aesthetic benefits of the area by first time visitors to the area.

Additional information is available, should you and the board request it. The information may take some time to secure as it is stored in Dallas, Texas. Obtaining additional information may require as much as two months work and attendant costs estimated at \$10,000.

Sincerely,

/s/ JACK NECKELS

Associate Regional Director,
Park Operations, SWR

Enclosures 3

bcc:

Field Solicitor, Santa Fe
Superintendent, Chickasaw

Chief, WASO/497

Solicitor, Regional Office, P.O. Box 3156, Tulsa, Oklahoma 74101 (Attn: E. King)
(each w/o enclosures)

GMoore:og:5/26:83

Enclosure A

LISTING OF DECLARATION OF WATER RIGHTS

1. Antelope Springs
2. Buffalo Springs
3. Cunningham Spring
4. Base Spring
5. Big Tom Springs
6. Arsenic Spring
7. Little Tom Springs
8. Swords' Spring
9. Townsley's Spring
10. Dog Springs
11. Unnamed Spring
12. Hillside Spring
13. Beach Springs
14. Beach Springs
15. Beach Springs
16. Sand Springs
17. Bromide Spring
18. Cliff Bromide Spring
19. Unnamed Spring
20. Black Sulphur Spring
21. Sulphur Spring
22. Tuff's Spring
23. Iron Spring
24. Soda Spring
25. Sulphur Springs
26. Sulphur Springs
27. Wilson Spring
28. Churchill Spring
29. Rucker's Spring
30. Iron Spring
31. Jericho Spring
32. Unnamed Springs
33. Vendome Well
- Observation Well No. 1
- Observation Well No. 2

LS4(SWR-OM)

May 9, 1983

Mr. James R. Barnett
Executive Director
Oklahoma Water Resources Board
P.O. Box 53565
Oklahoma City, Oklahoma 73152

Dear Mr. Barnett:

In accordance with an agreement reached during a meeting between members of our respective staffs on April 21, 1983, the National Park Service declares a water claim to all waters issuing from a total of 33 springs which were identified by Dr. Charles N. Gould, Professor of Geology at the University of Oklahoma, in 1906. In addition, the National Park Service declares its claims to water which issue from the Vendome Well, a free flowing artesian well.

Within 2 weeks, the National Park Service will submit under separate cover, two packages consisting of photographs and excerpts of correspondence dating back to the turn of the century, concerning these claims.

Sincerely,

/s/ Robert L. Kerr

Regional Director,
Southwest Region

Separate Cover

cc:

Field Solicitor, Santa Fe)

Superintendent, Chickasaw) each w/copy of enclosure

Chief, WASO/497)

Mr. K. King, Solicitor, Regional Office, P.O. Box 3156, Tulsa, OK 74101 w/enc.

CMoore:edr:5/9/83

OM

DECLARATION OF OWNERSHIP OF WATER RIGHTS

OBSE ION TEST WELL #2 - Sulphur Artesian Basi
Basin Name

Page 1 of 2

Declaration No. _____ Date received _____

1. Name of Declarant United States of American through the National Park Service
Mailing Address Chickasaw National Recreation Area, P.O. Box 201, Sulphur, OK 73086
County of Murray State of Oklahoma
2. Source of water supply Simpson/Arbuckle Group
(artesian or shallow water aquifer)
3. Describe well location under one of the subheadings:
a. NW 1/4 NW 1/4 NW 1/4 of Sec. 1 Twp. 15 Rge. 3E 1PM in
Murray County.
b. Tract No. _____ of Map No. _____ of the _____.
On land owned by the United States of America.
4. Description of well: date drilled July 1972 driller Gene Delay depth 420 feet.
outside diameter of casing 6 5/8 inches; original capacity _____ gal. per min.; present
capacity _____ gal. per min.; pumping lift _____ feet; static water level Sec. 8 feet (above)
(below) land surface; make and type of pump N/A
Make, type, horsepower, etc., of power plant N/A
Fractional or percentage interest claimed in well 100%
5. Quantity of water appropriated and beneficially used _____
(acre feet per acre)
_____ for _____ purposes.
(acre feet per annum)
6. Description of spring: Developed or Undeveloped (Circle One)
Date Developed: _____ by _____
7. Water was first applied to beneficial use _____
month day year
and since that time has been used fully and continuously for the above described
purpose in Number 5.
8. Additional statements or explanations Recorder set to monitor changes in potentiometric
surface of groundwater of springs. Cutting sample analysis show that the upper 150 feet
of this observation well is represented by rock types assigned to the conglomerate member
of the Vanoss formation of the Pennsylvanian Age. The well is bottomed in the Arbuckle
Group of the Ordovician Age.

I, Robert S. Williams being first duly sworn upon my oath, depose
and say that the above is a full and complete statement submitted in evidence of
ownership of a valid water right, that I have carefully read each and all of the items
contained therein and that the same are true to the best of my knowledge and belief.

Robert S. Williams declarant
by _____

Subscribed and sworn to before me this 9th day of May, A.D., 1983

My commission expires February 21, 1987 Robert S. Williams Notary Public

8. . This Declaration is provided pursuant to the policy of the Secretary of the Interior to recognize and grant deference to state laws, regulations and procedures where those secure water rights and uses of the United States. This Declaration is given as a matter of comity, cooperation and information. It does not consent to the jurisdiction of the State in regards to judicial or other adjudications, the rights of the United States to the use or amount of water, or the amount described in this Declaration. This Declaration cannot affect vested rights under Federal or State law.

These Declarations concerning ownership of or flows of springs - developed and undeveloped - and wells should be taken and considered in totality as part of the entire Chickasaw National Recreation Area.



UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
REGIONAL OFFICE, SOUTHWEST REGION
P. O. BOX 3156
TULSA, OKLAHOMA 74101

April 22, 1983

Mr. James R. Barnett
Executive Director
Oklahoma Water Resources Board
P. O. Box 53585
Oklahoma City, Oklahoma 73152

Re: Determination of Prior Vested Ground Water Rights, Murray County

Dear Mr. Barnett:

In accordance with the conclusions reached during the discussion on April 21, among members of your staff, employees of the National Park Service, and me in the Office of the Chief, Division of Stream Water, concerning the determination of prior vested ground water rights in Murray County as they affect the Chickasaw National Recreation Area, additional time is hereby requested to May 9, 1983, within which National Park Service will submit evidence and information to supplement the record on behalf of historical uses by the National Recreation Area and its predecessor National Park.

It was agreed during our discussion that, subject to your approval of this request for additional time, supplemental information and evidence will be provided to O.W.R.B. by May 9 in order to allow timely completion of the ongoing determination process.

Sincerely yours,

Kathleen King
Kathleen King
Department Counsel
National Park Service

cc: Office of the General Counsel, OWRB, Attention: Glen Hammonds

bcc: Regional Director, NPS, Attn: Gary Moore, Hydrological Engineer
Field Solicitor, Santa Fe, Attn: John Harrington

T:5 R3E IM

[illegible]

data presented in
declaration I claim
to be new.

Chancell	SW NE	Unlevel	5 gpm	7-1-02
Spring	S1	Spr.		
Rockers	SW NE	Unlevel	3 gpm	7-1-02
Spring	E1	Spr.		
Iron	SW NE	Unlevel	4.55 gpm	7-1-02
Spring	E1	Spr.		
Jericho	SW NE	Unlevel	3 gpm	7-1-02
Spr.	S1	Spr.		
Unlevel	SW NE	Unlevel	4.55 gpm	7-1-02
Springs (2)	S1	Spr.		

September 11, 1995

L54(479)

Memorandum

To: Files
From: Owen Williams, Chief, Water Rights Branch
Subject: Land Status Information - CHIC Dockets

Information concerning land status for CHIC is contained in the file folder labeled CHIC Deeds rather than in individual dockets.

Other Supporting Information

Southwest Region
P.O. Box 728
Santa Fe, New Mexico 87501

154

NOV 28 1972

Memorandum

To: Superintendent, Platt-Arbuckle
From: Supervisory Hydraulic Engineer, SWR
Subject: USGS - Report in Observation Wells A&B - Platt

Enclosed is a copy of subject for your information. Two Stevens "P"
type recorders will be delivered to your office in the near future for
installation.

~~FOR INFORMATION~~

Garland Moore

Enclosure

cc:
Director, DSC, Attn: Bob Dudz
Chief Scientist, WASO-PN, Attn: Berte'
Moore, RS



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Water Resources Division
Room 4301, 200 Northwest 4th Street
Oklahoma City, Oklahoma 73102

November 6, 1972

Mr. Garland Moore
National Park Service
Box 728
Santa Fe, New Mexico 87501

Dear Mr. Moore:

The following information is presented in fulfillment of our agreement to assist the National Park Service at Platt National Park, Murray County, Oklahoma, with: (1) the selection of observation well sites, (2) logging of the drill-hole cuttings, and (3) the analysis of water samples collected from the completed test holes.

Two test-drilling sites were selected by the U.S. Geological Survey to monitor water levels in the vicinity of the park. Site No. 1 is approximately 1,000 feet northeast of Buffalo Springs. This site is updip from the two principal springs and relatively remote from pumpage. The site was selected to provide a convenient point to monitor changes in the potentiometric surface of the aquifer providing water to the springs. Through a series of discharge measurements of the springs, a head-discharge relationship may be established between the observation well and the springs. Site No. 2 is approximately 2,500 feet west of Antelope Springs and approximately 1,000 feet south-southeast of the Sulphur well field. The site was selected to determine if heavy pumpage adjacent to the park might be adversely affecting water levels and spring flow.

Test hole No. 1 (log enclosed), drilled in T. 1 S., R. 3 E., sec. 1, NE 1/4, was started in the Vanoss Formation. Samples from the upper 120 feet of this test hole represented typical rock types occurring in the Conglomerate Member of the Vanoss Formation of Pennsylvanian age. This unit is poorly permeable and is comprised principally of limestone, fine-grained sandstone, and shale. The samples from 120 to 230 feet are typical of the rock types occurring in the West Spring Creek Formation of the Arbuckle Group of Ordovician age. The material is mostly fine-grained dolomite with lesser amounts of siltstone and very fine-grained sandstone.

Water level in the well was reported by the well-site geologist of the National Park Service to be 67.5 feet below land surface and the well appears satisfactory for use as a water-level monitoring station.

-2-

Test hole No. 2 (log enclosed), drilled in T. 1 S., R. 3 E., sec. 1, NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, was started in the Conglomerate Member of the Vanoss Formation of Pennsylvanian age. The upper 150 feet of samples from this test were similar to those of test hole No. 1, being principally limestone, sandstone, siltstone, and shale. The interval from 150 to 420 feet is primarily dolomite with minor amounts of limestone, siltstone, and very fine-grained sandstone. These rocks are typical of the West Spring Creek Formation of the Arbuckle Group of Ordovician age.

Water level in this well was reported by the well-site geologist of the National Park Service to be 27 feet below land surface and the well appears satisfactory for use as a water-level monitoring station.

Chemical analysis of water from the test holes shows the water to be a bicarbonate-type water commonly associated with limestone rocks of the Arbuckle Group.

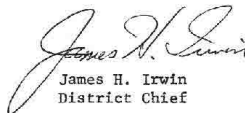
(results in milligrams per liter except as indicated)

	Test hole No. 1	Test hole No. 2
Sodium (Na)	20	48
Calcium (Ca)	43	36
Magnesium (Mg)	29	43
Chloride (Cl)	5.5	18
Bicarbonate (HCO ₃)	272	374
Sulfate (SO ₄)	36	43
Dissolved solids (as residue at 180°C)	294	384
Hardness (as CaCO ₃)	230	270
Sodium-adsorption-ratio (SAR)	.6	1.3
pH	8.1	8.1
Specific conductance (Micromhos at 25°C)	473	668

We shall be happy to assist in the installation of the water-level recorders to be furnished by the Park Service.

If you have any questions concerning the well logs or water analyses, please let us know.

Sincerely yours,


James H. Irwin
District Chief

Enclosures

Lithologic logs of test holes

Test hole No. 1 (T. 1 S., R. 3 E., sec. 1, NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$)

Lithology	Thickness (feet)	Depth (feet)
Limestone, micrograined to fine-grained, light-gray; some chert, light-gray to tan; and very fine-grained, subrounded to subangular, calcareous cemented sandstone	15	15
Limestone, micrograined to fine-grained, light-gray; and calcareous cemented siltstone	5	20
Sandstone, very fine-grained, subrounded to subangular, light-gray, with calcareous cement	10	30
Limestone, micrograined to fine-grained, gray to brown, some chert; sandstone, very fine-grained subrounded, calcareous cement	5	35
Limestone, micrograined to fine-grained, gray to brown; some chert; sandstone, very fine-grained, subangular; trace of pyrite	20	55
Limestone, micrograined to fine-grained, light-gray; calcareous siltstone, gray; trace of pyrite	5	60
Sandstone, very fine to fine-grained, light-gray, subangular to subangular to subrounded, calcareous cement; limestone, micrograined, gray; some shale and siltstone	5	65
Limestone, micrograined to fine-grained, light-gray; and calcareous siltstone	5	70
Shale, light-gray; calcareous siltstone; and sandstone, very fine-grained	5	75
Sandstone, very fine-grained, gray; some chert and limestone, light-gray; trace of pyrite	5	80
Limestone, micrograined, gray to tan; chert, tan; sandstone, very fine-grained, subrounded, with calcareous cement; trace of pyrite	15	95

Test hole No 1--Continued.

Lithology	Thickness (feet)	Depth (feet)
Siltstone, gray, sandstone, very fine-grained subrounded; trace of limestone	15	110
Shale, gray; siltstone; trace of sandstone, very fine-grained, subrounded; and limestone with minor amounts of pyrite	10	120
Dolomite, micrograined to fine-grained, gray to tan, trace of pyrite	20	140
Dolomite, fine-grained, light-gray, trace of sandstone, very fine-grained, subrounded, calcareous cement; and pyrite	25	165
Dolomite, fine-grained, light-gray	5	170
Dolomite, fine-grained, light-gray; trace of pyrite; and minor amounts of sandstone, very fine-grained, calcareous cement	15	185
Dolomite, fine-grained, light-gray; trace of pyrite	30	215
Dolomite, fine-grained, light-gray; some sandy dolomite, very fine-grained; and traces of pyrite	15	230
Total sample depth		230

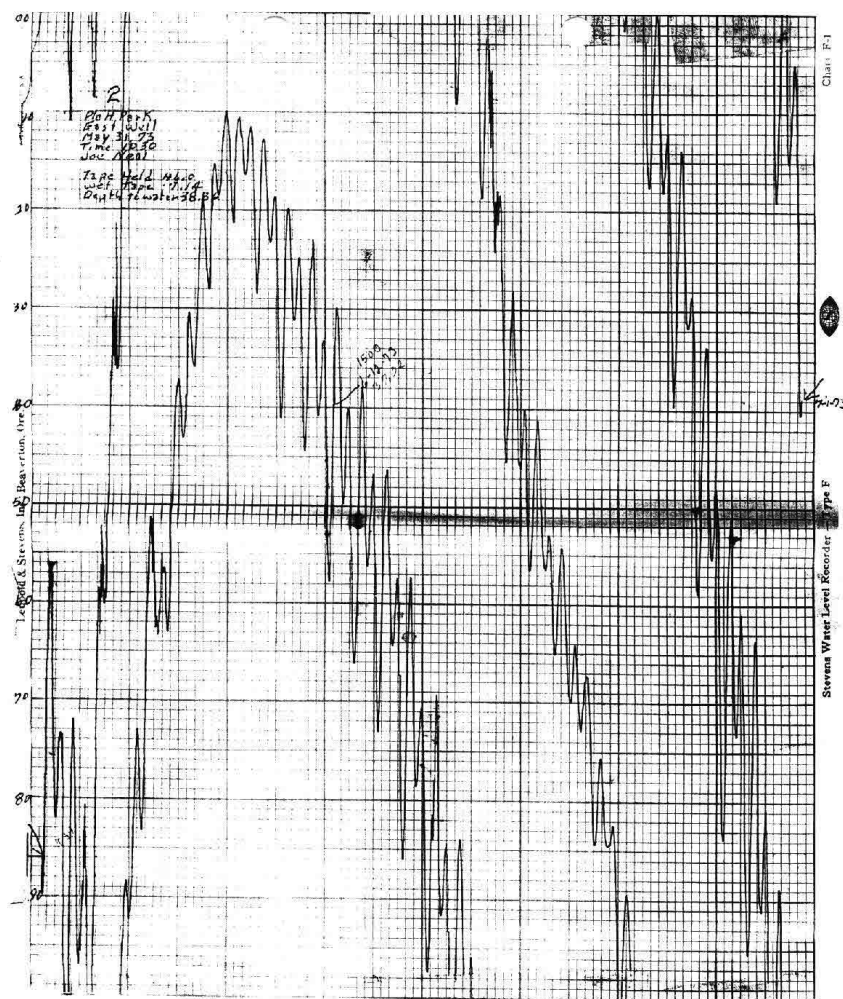
Test hole No. 2 (T. 1 S., R. 3 E., sec. 1, NW $\frac{1}{4}$ NW $\frac{1}{4}$)

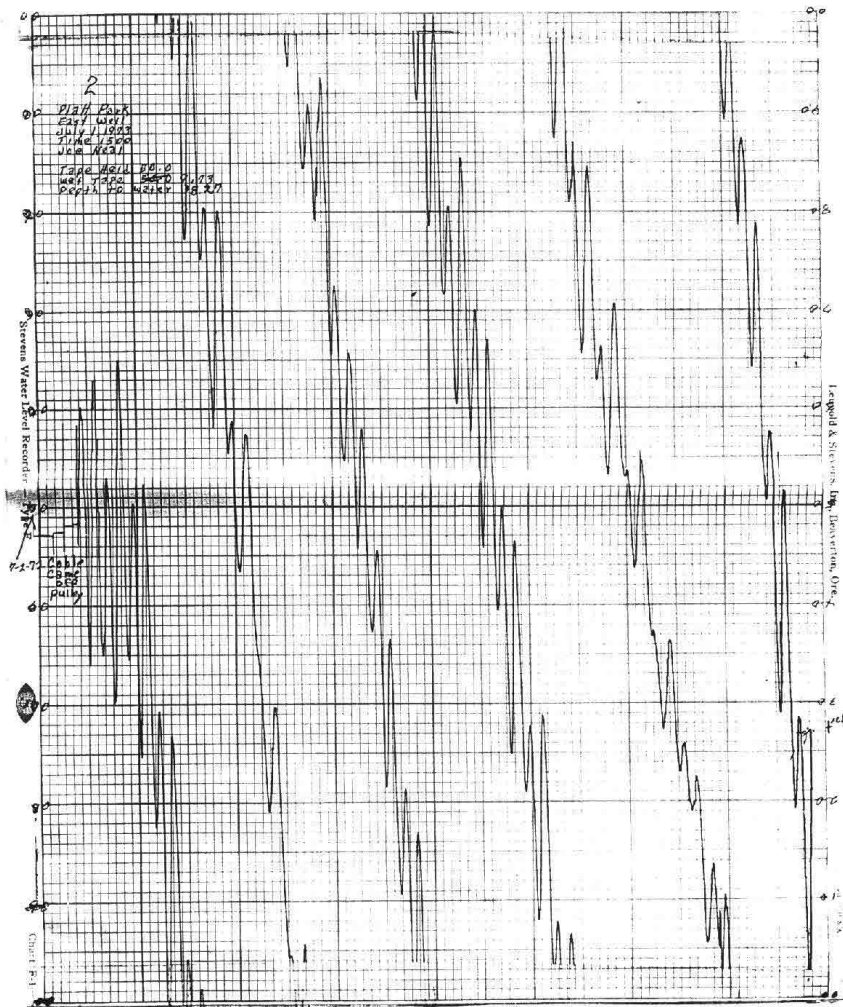
Lithology	Thickness (feet)	Depth (feet)
Limestone, micrograined to fine-grained, gray; sandstone, very fine-grained; trace of silt, yellow and sandy clay	15	15
Sandstone, very fine-grained, gray, calcareous cement; trace of limestone, micrograined	10	25
Limestone, fine-grained, light-gray, some sandstone, very fine-grained, and siltstone	20	45
Limestone, fine-grained, gray; trace of pyrite and sandstone, very fine to fine-grained, calcareous cement	25	70
Limestone, fine-grained, gray, shale, clay, and silt- stone	15	85
Limestone, fine-grained, gray to tan, some shale and dolomite; and trace of pyrite	15	100
Sandstone, very fine-grained, gray, subrounded; shale, gray; trace of dolomite	5	105
Limestone, micrograined to fine-grained, gray to tan; shale, siltstone and some sandstone, very fine-grained	5	110
Shale and siltstone, gray	10	120
Limestone, micrograined to fine-grained, white to gray; some shale and sandstone, very fine-grained with calcareous cement	5	125
Limestone and dolomite, micrograined to fine-grained, gray to tan; some sandstone, very fine-grained, white; trace of pyrite	5	130
Shale, gray; limestone, gray; chert, dark-gray	5	135
Limestone, fine-grained, gray; shale, gray; trace of pyrite	15	150
Limestone and dolomite, micrograined, white, gray, and tan; some sandstone, very fine-grained, calcareous cement; shale and trace of pyrite	30	180

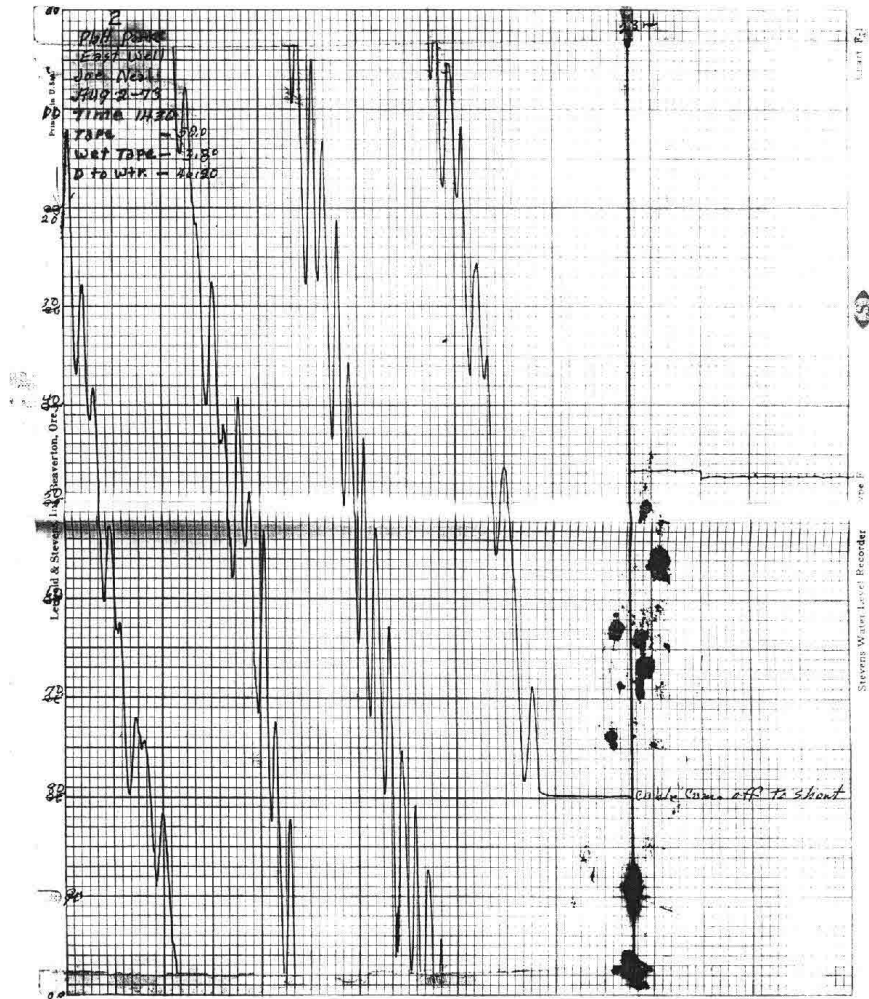
Test hole No. 2--Continued.

Lithology	Thickness (feet)	Depth (feet)
Dolomite, micrograined, white to gray; some sandstone, very fine-grained, calcareous cement	25	205
Dolomite, micrograined, white to pale-green; some shale, dark-gray	25	230
Dolomite, micrograined, gray	40	270
Siltstone, gray; shale, and sandstone, very fine-grained	5	275
Dolomite, fine-grained, gray to tan; trace of limestone, pale-green, and sandy shale	135	410
Dolomite, fine-grained, tan to pale-green; trace of sandstone, very fine-grained, calcareous cement; and shale, gray	10	420
Total sample depth		420

07-01-1973: chart; july 01, 1973







Recorded by C.T. Othmer

Date 8/21/72

No. Da. 12

- Permit No. None Docket No. None Remarks: See Addendum

(e.g., see admetrol)

- (N/A) 6. Storage: No. of Storage Sites

*Storage Data #1: Location: Latitude / / Longitude / /
(Deg. Min. Sec.) (Deg. Min. Sec.)

Other Location Descriptions:

Type Storage _____
(Pneumatic, Elevated, Underground, Ground Level, etc.)

Pressure Setting _____ Type Construction _____
(If Pneumatic)

Capacity	gal.	Inlet Size	in.	Outlet Size	in.
----------	------	------------	-----	-------------	-----

Remarks:

*Storage Data #2: Location: Latitude / / Longitude / /
(Deg. Min. Sec.) (Deg. Min. Sec.)

Other Location Descriptions:

Type Storage _____
(Pneumatic, Elevated, Underground, Ground Level, etc.)

Pressure Setting _____ Type Construction _____
(If Pneumatic)

Capacity	gal.	Inlet Size	in.	Outlet Size	in.
10		1/2		1/2	
20		3/4		3/4	
30		1		1	
40		1 1/4		1 1/4	
50		1 1/2		1 1/2	
60		1 3/4		1 3/4	
70		2		2	
80		2 1/4		2 1/4	
90		2 1/2		2 1/2	
100		2 3/4		2 3/4	
120		3		3	
150		3 1/2		3 1/2	
200		4		4	
250		4 1/2		4 1/2	
300		5		5	
350		5 1/2		5 1/2	
400		6		6	
450		6 1/2		6 1/2	
500		7		7	
550		7 1/2		7 1/2	
600		8		8	
650		8 1/2		8 1/2	
700		9		9	
750		9 1/2		9 1/2	
800		10		10	
850		10 1/2		10 1/2	
900		11		11	
950		11 1/2		11 1/2	
1000		12		12	

$$x_{n+1} = \frac{1}{2}(x_n + \frac{a}{x_n})$$

Permit No. None Docket No. None Remarks: See Addendum

(e.g. see addendum)

5. Sources of Supply: No./Type of Sources Groundwater Basins
(Use Addendum for Source Data)

(N/A) 6. Storage: No. of Storage Sites

*Storage Date #1: Location: Latitude / / Longitude / /
(Deg. Min. Sec.) (Deg. Min. Sec.)

Other Location Descriptions:

Type Storage _____
(Pneumatic, Elevated, Underground, Ground Level, etc.)

Pressure Setting _____ Type Construction _____
(If Pneumatic)

Capacity	gal.	Inlet Size	in.	Outlet Size	in.
10		1/2		1/2	
20		3/4		3/4	
30		1		1	
40		1 1/4		1 1/4	
50		1 1/2		1 1/2	
60		1 3/4		1 3/4	
70		2		2	
80		2 1/4		2 1/4	
90		2 1/2		2 1/2	
100		2 3/4		2 3/4	
120		3		3	
150		3 1/2		3 1/2	
200		4		4	
250		4 1/2		4 1/2	
300		5		5	
350		5 1/2		5 1/2	
400		6		6	
450		6 1/2		6 1/2	
500		7		7	
550		7 1/2		7 1/2	
600		8		8	
650		8 1/2		8 1/2	
700		9		9	
750		9 1/2		9 1/2	
800		10		10	
850		10 1/2		10 1/2	
900		11		11	
950		11 1/2		11 1/2	
1000		12		12	

Remarks:

*Storege Data #2: Location: Latitude / / Longitude / /
(Deg. Min. Sec.) (Deg. Min. Sec.)

Other Location Descriptions:

Type Storage _____ (Pneumatic, Elevated, Underground, Ground Level, etc.)

Pressure Setting _____ Type Construction _____
(If Pneumatic)

Capacity	gal.	Inlet Size	in.	Outlet Size	in.
10		1/2		1/2	
20		3/4		3/4	
30		1		1	
40		1 1/4		1 1/4	
50		1 1/2		1 1/2	
60		2		2	
70		2 1/4		2 1/4	
80		2 1/2		2 1/2	
90		3		3	
100		3 1/4		3 1/4	
120		4		4	
150		5		5	
200		6		6	
250		8		8	
300		10		10	
400		12		12	
500		14		14	
600		16		16	
700		18		18	
800		20		20	
900		22		22	
1000		24		24	

Remarks:

(N/A) 7. Distribution: Residences Trailers

Drinking Fountains	Fire Hydrants	Other
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
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93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

8. Well #1 Longitude 96°56'13"W Latitude 34°30'18"N
Well #2 Longitude 96°56'59"W Latitude 34°30'18"N

ADDENDUM FOR SOURCE DATA

NA

Source No./Names _____

Power Source _____ Motor: Make _____ HP _____
(Electric, Gas, Generator)

RPM _____ Type _____ Phase _____ Cycles _____

Pump Housing: Type Const. _____; _____ Size _____ x _____ x _____
(Walls) (Roof) (W x L x H)Control: Automatic _____
(Float, Electrode, Pressure, Time, etc.)

Manual _____

Other _____
(Explain)History: Driller or Construction Co. DeLay & Bechtel Drilling-Box 642-Boise City, Okla. 73933
(Name) (Address)Date Drilled: 8/14/72 Pump Intake Setting NA ft.
Mo.Da.Yr.Method Drilled: Rotary with water circ.
(Air, Rot, Bored, Cable, Lug, Hyd. Rot, Jetted,
Air Percussion, Reverse Rotary, Trenching, etc.)Lift Type: NA
(Air, Bucket, Cent, Jet, Nose, Piston, Summery, Turp, etc.)Hgt. of Casing above Ground 0 ft. Static Water Level #1 - 68.5 ft.
#2 - 27.0 ft.
(From top of casing to water level)

Drawdown NA ft. Q at Specified Drawdown NA

Method of Measurement:

Static Water Level Steel Tape (Stevens F-type recorders are scheduled for later installation)
(Air Line, Steel Tape, Electric Probe, etc.)Drawdown NA
(Air Line, Steel Tape, Electric Probe, etc.)Remarks: Well #1 drilled to a depth of 235 ft. Well #2 drilled to
(e.g. see addendums for chemical analysis, water usage, etc.)

depth of 430 ft.

(Float, Electrode, Pressure, Time, etc.)

Manual

Other

(Explain)

Okla. 73933

History: Driller or Construction Co. DeLay & Bechtel Drilling-Box 642-Boise City,
(Name) (Address)Date Drilled: 8/14/72 Pump Intake Setting NA ft.
Mo. Da. Yr.Method Drilled: Rotary with water circ.
(Air, Rot, Sored, Cable, Lug, Hyd. Rot, Jetted,
Air Percussion, Reverse Rotary, Trenching, etc.)Lift Type: NA
(Air, Bucket, Cent, Jet, Nose, Piston, Summarg, Turp, etc.)
#1 - 68.5Hgt. of Casing above Ground 0 ft. Static Water Level 27.0 ft.
(From top of casing to
water level)Drawdown NA ft. Q at Specified Drawdown NA

Method of Measurement:

later installation

Static Water Level Steel Tape (Stevens F-type recorders are scheduled for
(Air Line, Steel Tape, Electric Probe, etc.)Drawdown NA
(Air Line, Steel Tape, Electric Probe, etc.)Remarks: Well #1 drilled to a depth of 235 ft. Well #2 drilled to
(e.g. see addendums for chemical analysis, water usage, etc.)depth of 430 ft.

Maps and Miscellaneous Information

Number of Documents in Docket	33		
Documents Dated from	7/2/1972	to	9/11/1995
Docket Compiled:	6/13/2016		

Documents Dated from 7/2/1972 to 9/11/1995

Docket Compiled: 6/13/2016