



WATER-RIGHT DOCKET

Chickasaw National Recreation Area

Docket No: 9

VENDOME ARTESIAN WELL

Preliminary Docket Information

00-00-0000: water right information

WATER DOCKET INFORMATION

AREA CHICKASAW

DOCKET NO. 9

APPLICATION NO.

STATE RIPARIAN NO.

CERTIFICATE NO.

TITLE OF DOCKET VENDOME ARTESIAN WELL

PRIORITY

REMARKS

L34(SWR-OM)

MAY 27 1983

*Complete letter in
CHIC - 30*

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	3.237	.133
1980	1.035	.068
1981	1.439	.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, 1981. 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: K. 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

L54(SWR-OM)

May 9, 1983

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

~~Moore~~:edr:5/9/83

OM

DECLARATION OF OWNERSHIP OF WATER RIGHTS

Page 1 of 2

Vend Well - Sulphur Artesian Basin
Basin Name

Declaration No. _____ Date received _____

1. Name of Declarant United States of America
 Mailing Address Chickasaw National Recreation Area, 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. NE 1/4 NW 1/4 NE 1/4 of Sec. 3 Twp. 1 S Rge. 3 E 1 P.M., in
Murray County.
 - b. Tract No. _____ of Map No. _____ of the _____
 On land owned by United States of America
4. Description of well: date drilled 1922 driller unknown depth 365 feet.
 outside diameter of casing 6 5/8 inches; original capacity 2500 gal. per min.; present
 capacity 2500 gal. per min.; pumping lift artesian feet; static water level unknown 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 2500 gallons per minute
 historical and current uses: (acre feet per acre)
public and drinking water, livestock watering, education, rec-
reation, fish and wildlife, including support purposes.
 (acre feet per annum) of existing natural riparian vegetation.
6. Description of spring: Developed or Undeveloped (Circle One)
 Date Developed: 1922 (?) by unknown
7. Water was first applied to beneficial use 1922
 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 A) Flow reported by Dr. Charles N. Gould and
 Stuart L. Schoff in "Geological Report on Water Conditions at Platt National Park,
 Oklahoma" December 1939
 B) See Attached.

I, Robert J. [Signature] 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 J. [Signature] declarant
 by _____

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

My commission expires February 21, 1987 Butler 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

APR 27 1983	
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OR	
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MC	
1-077	

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

April 22, 1983

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
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

T15 R3E1M

NAME OF WELL / SPRING	LOCATION	CLASS	QUANTITY CLAIMED	DATE OF FIRST USE
Vendome	NE NW NE §3	DRILLED WELL	2500 gpm	1922
Observation test well #1	NE NW NE §1	DRILLED WELL	?	Aug 1972
Observation test well #2	NW NW NW §1	Drilled well	?	July 1972
No. 1 Antelope Springs	NW NW NE §1	undeveloped - not a spring	+ 3300 gpm	July 1, 1902
No. 2 Buffalo Springs	NE SW NE §1	Devel. Spring	+ 3300 gpm	July 1, 1902
Cunningham Spring	NE SW NE §2	undeveloped Spring	?	July 1, 1902
Base Spring	SW NW NW §1	undevel. Spring	?	7-1-02
Big Tom Spring	SW NE NE §3	Devel. Spring	40 gpm	8-1-10
Archie Spring	SW NE NE §3	Devel. Spring	8 gpm	8-1-10
Little Tom Springs	SW NE NE §3	Devel. Spr.	3 gpm	8-1-10
Swain's Spring	SW NE NE §3	Devel. Spr.	5 gpm	8-1-10
Tom'sley's Spring	SW NE NE §3	Devel. Spr.	2 gpm	8-1-10
Dog Springs	SW NE NE §3	Devel. Spr.	2 gpm	8-1-10
Unnamed Springs	SW NE NE §3	Devel. Spring	2 gpm	8-1-10
Hillside Spring	NW SE NE §3	Devel. Spring	80 gpm	5-26-04
No. 13 N.S. East Springs	SW NE NE §3	Devel. Spring	70 gpm	7-1-02
Sand Springs	SW NE NE §3	undevel. Spring	?	7-1-02
Promide Spring	SE NW SW §3	Devel. Spring	1 gpm	5-17-06
Cliff Promide Spring	NE SW NE §1	Devel. Spring	+ 3300 gpm	5-15-06
Unnamed Spring	SE NW SW §3	undevel. Spring	1 gpm	7-1-02
Black Sulphur Spring	SW SW SW §3	Devel. Spring	2 gpm	12-22-06
North Spring	SW SW SW §3	undevel. Spring	2 gpm	7-1-02
T-A-S Spring	SW SW SW §3	Devel. Spring	2 gpm	7-1-02
Iron Springs	NE SW SE §3	undevel. Spring	500 gpm	7-1-02
Todd Springs	NE SW SE §3	undevel. Spring	2 gpm	7-1-02
No. 26 Spring	SE NW SE §3	undevel. Spring	2 gpm	7-1-02
No. 26 Spring	SE NW SE §3	Devel. Spring	2 gpm	7-1-02
No. 26 Spring	SW NE §3	Devel. Spring	1 gpm	7-1-02

data present and
declaration of claim
water rights

Churchill	SW NE	underl		
Spring	E/	Spr.	5 gpm	7-1-02
Puckers	SW NE	underl		
Spring	E/	Spr.	3 gpm	7-1-02
Iron	SW NE	underl		
Spring	E/	Spr.	4.25 gpm	7-1-02
Jericho	SW NE	underl		
Spr.	E/	Spr.	3 gpm	7-1-02
Unnamed	SW NE	underl		
Springs (2)	E/	Spr.	4.25 gpm	7-1-02

166319

BOOK 223 PAGE 657

Deed prepared by and
to be returned to the
National Park Service
Division of Land Acquisition
P.O. Box 728
Santa Fe, New Mexico 87501

WARRANTY DEED

CHIC/103-03

KNOW ALL MEN BY THESE PRESENTS:

That we, WALTER M. POWELL, as Trustee, and, acting in my own right as a single man; PATRICIA POWELL McDONALD, as Trustee, and, acting in my own right as a married woman, joined herein by my husband, SCOTT McDONALD; and KATHLEEN ADAMS POWELL, a widow; GRANTORS, for and in consideration of the sum of NINETY-FIVE THOUSAND AND NO/100 (\$95,000.00) DOLLARS, cash in hand paid to us by the UNITED STATES OF AMERICA, GRANTEE, and receipt of which sum is hereby acknowledged, do hereby grant, bargain, sell and convey unto the said GRANTEE, and unto its assigns forever, the following described lands lying in the County of Murray and State of Oklahoma, to-wit:

Lots 5, 6, 7 and 8, including all right to Chelsea Avenue South of said lots, as shown by Judgment in S. W. Tyer, et al., Case No. 9010, District Court of Murray County, Oklahoma, in Block 195, in the City of Sulphur, Oklahoma; containing 1.57 acres, more or less.

TOGETHER WITH all and singular the tenements, hereditaments and appurtenances thereunto belonging, or in any wise appertaining and the reversion and reversions, remainder and remainders, rents, issues and profits thereof.

TOGETHER WITH the buildings and improvements thereon and all rights and appurtenances thereto.

The land is conveyed subject to existing easements of record for public roads and highway, public utilities, railroads, pipelines, ditches and canals.

To have and to hold the above granted and described premises unto the said GRANTEE and unto its assigns, forever, with all appurtenances thereunto belonging. And we hereby covenant with the said GRANTEE that we will WARRANT and DEFEND the title to said land against the claims of all persons whomsoever. We further covenant that we are now seised in fee simple of the property conveyed and that the GRANTEE shall enjoy the same without any lawful disturbance; and that title to the property hereby conveyed is free from any encumbrances except as noted above.

The GRANTORS further remise, release, and forever quitclaim to the UNITED STATES OF AMERICA and its assigns, all right, title, and interest which the GRANTORS may have in the banks, beds, and waters of any streams bordering the said land to be conveyed and also all interest in any alleys, roads, streets, ways, strips, gores, or railroad rights-of-way abutting or adjoining said land and in any means of ingress or egress appurtenant thereto.

The GRANTORS reserve only the following rights in the above described property.

NONE

The land is being acquired by the Department of the Interior, National Park Service.

IN WITNESS WHEREOF, the said GRANTORS have hereunto set their hands this 19 day of January, 1977.

RECORDED
PREPARED
MERICAL
INDEXED

STATE OF OKLAHOMA, COUNTY OF MURRAY, SS

FILED FOR RECORD

At 1:20 O'clock P.M.

JAN 19 - 1977

Book 223 Page 657-660

FORREST McMURTRY County Clerk

By Gene M. Schumaker Deputy

JAN 19 1977

WALTER M. POWELL, TRUSTEE

PATRICIA POWELL McDONALD, TRUSTEE

WALTER M. POWELL, ACTING IN MY OWN RIGHT

PATRICIA POWELL McDONALD, ACTING IN MY OWN RIGHT

SCOTT McDONALD

KATHLEEN ADAMS POWELL

A C K N O W L E D G M E N T

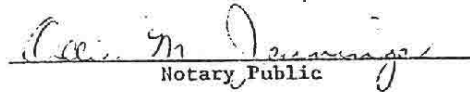
STATE OF OKLAHOMA)
) ss.
COUNTY OF MURRAY)

Before me, the undersigned, a Notary Public in and for said County and State, on this 19 day of January, 1977, personally appeared Walter M. Powell, as Trustee, and acting in his own right, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he/she executed the same as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

 My Commission Expires:

July 10, 1980


Notary Public

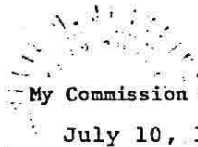
BOOK 223 PAGE 659

A C K N O W L E D G M E N T

STATE OF OKLAHOMA)
COUNTY OF MURRAY) ss.

Before me, the undersigned, a Notary Public in and for said County and State, on this 19 day of January, 19 77, personally appeared Patricia Powell McDonald, as Trustee, and acting in her own right with Scott McDonald, her husband, to me known to be the identical persons who executed the within and foregoing instrument, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

 My Commission Expires:
July 10, 1980


Notary Public

LSA-7-11-77

A C K N O W L E D G M E N T

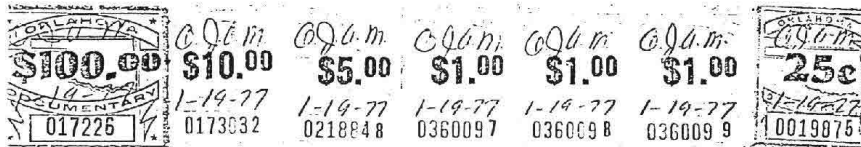
STATE OF OKLAHOMA)
COUNTY OF MURRAY) ss.

Before me, the undersigned, a Notary Public in and for said County and State, on this 19 day of January, 1977, personally appeared Kathleen Adams Powell,
to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he/she executed the same as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

Cecil M. Jennings
Notary Public

My Commission Expires:
July 10, 1980



118.25

Deed prepared by and
to be returned to the
National Park Service
Division of Land Acquisition
P. O. Box 728
Santa Fe, New Mexico 87501

QUITCLAIM D E

CHIC/103-

166250

KNOW ALL MEN BY THESE PRESENTS:

That we, JAMES R. TREAS AND HELEN ARLENE TREAS, husband and wife,
GRANTORS, for and in consideration of the sum of TWELVE THOUSAND FIVE HUNDRED AND NO/100
(\$12,500.00) DOLLARS, cash in hand paid to us by the UNITED STATES OF AMERICA, GRANTEE,
and receipt of which sum is hereby acknowledged, do hereby grant, bargain, sell and
convey unto the said GRANTEE, and unto its assigns forever, the following described lands
lying in the County of Murray and State of Oklahoma, to-wit:

Lots 5, 6, 7 and 8, including all right to Chelsea Avenue South of said lots, as
shown by Judgment in S. W. Tyer, et al, Case No. 9010, District Court of Murray
County, Oklahoma, in Block 195, in the City of Sulphur, Oklahoma, containing
1.57 acres, more or less;

TOGETHER WITH all and singular the tenements, hereditaments and appurtenances
thereunto belonging, or in any wise appertaining and the reversion and
reversions, remainder and remainders, rents, issues and profits thereof;

TOGETHER WITH the buildings and improvements thereon and all rights and
appurtenances thereto, including a two-bay automatic car wash and equipment room.

To have and to hold the above granted and described premises unto the said GRANTEE
and unto its assigns, forever, with all appurtenances thereunto belonging.

The GRANTORS further remise, release, and forever quitclaim to the UNITED STATES OF
AMERICA and its assigns, all right, title, and interest which the GRANTORS may have in
the banks, beds, and waters of any streams bordering the said land to be conveyed and also
all interest in any alleys, roads, streets, ways, strips, gores, or railroad rights-of-way
abutting or adjoining said land and in any means of ingress or egress appurtenant thereto.

The land is being acquired by the Department of the Interior, National Park Service.

IN WITNESS WHEREOF, the said GRANTORS have hereunto set their hands this 11
day of January, 1977

James R. Treas
JAMES R. TREAS

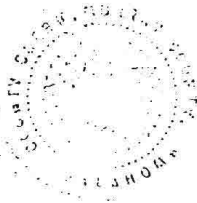
Helen Arlene Treas
HELEN ARLENE TREAS

JAN 11 - 1977

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524-525

JAN 13 60



RECORDED ✓
COMPALED ✓
NUMERICAL ✓
INDEXED ✓

BOOK 223 PAGE 525

A C K N O W L E D G M E N T

STATE OF Oklahoma)
COUNTY OF Murray) ss.

Before me, the undersigned, a Notary Public in and for said County and State, on this 11 day of January, 1977, personally appeared James R. Treas and Helen Arlene Treas, husband and wife, to me known to be the identical persons who executed the within and foregoing instrument, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.



Allen M. Pennington
Notary Public

My commission expires:

July 10, 1980

Standard Title Insurance Company

Oklahoma City, Oklahoma

OWNERS

INTERIM TITLE INSURANCE BINDER

Pursuant to your application for title insurance on lands and premises described in Schedule "A" hereof, we advise that as of the date shown in Schedule "A" (which date shall be construed as the date of this binder), the title was vested as shown in Schedule "A", and we will cause to be insured the title of his, her, their or its grantee or mortgagee to said lands and premises subject only to such exceptions and requirements as are shown in Schedules "B" and "C" hereof.

Upon receipt by this office of satisfactory evidence that all exceptions and requirements set forth under Schedule "C" have been satisfied or will be satisfied simultaneously with the transfer of title in contemplation and upon payment of its charges for title insurance as applied for, and for abstract and other incidental charges incurred, this Company will cause to be issued to you, or to your nominee as interest may appear, a policy of title insurance by Standard Title Insurance Company of Oklahoma City, Oklahoma, on its customary form applicable to the transaction contemplated showing in Schedule "B" of such policy only such exceptions as now appear in Schedule "B" hereof and such as appear upon a continuation search of such public records down to the date of closing your transaction which are not or cannot be disposed of before issuing such policy.

The Binder is delivered and accepted upon the understanding that you have no personal knowledge or intimation of any defect, objection, lien or encumbrance affecting said premises other than those shown under Schedules "B" and "C" hereof, and your failure to disclose any such personal information shall render this Binder and any policy issued based thereon null and void as to such defect, objection, lien or encumbrance.

Nothing contained in this Binder, shall be construed as a guarantee against the consequences of the exercise and enforcement or attempted enforcement of governmental "police power" over the property described herein.

This binder is preliminary to the issuance of a policy of title insurance and shall become null and void, unless policy of title insurance is issued and the premium therefor paid, within six months from the date hereof.

This Binder shall not be valid until signed by an authorized signature as designated below.

In WITNESS WHEREOF the said Company has caused these presents to be signed as of the time and date above designated.

STANDARD TITLE INSURANCE COMPANY
SULPHUR ABSTRACT & TITLE COMPANY
By Ollie M. Jennings
Validating Officer or Agent

SCHEDULE "A"

To NATIONAL PARK SERVICE

In re:

1. Policy in the amount of \$
2. Date: 14th day of September, 19 72, at 7:59 o'clock A. M
3. Title vested in: VENDOME, INCORPORATED
4. Legal description of the real estate referred to in this Binder:

All of Lots 1, 2, 3, 4, 9 and 10, in Block 195, in the City of Sulphur, Oklahoma, as per official map and plat thereof, including all right, title and interest in and to that part of Chelsea Avenue and Fifth Street West or W., quieted in S. W. Tyer by Judgment dated January 31, 1956, in Case No. 9010, Tyer et al vs. City of Sulphur, Oklahoma, in the District Court of Murray County, Oklahoma.

SCHEDULE "B"

IN ADDITION TO THE CONDITIONS AND STIPULATIONS OF THE POLICY THE FOLLOWING EXCEPTIONS WILL ALSO BE RECITED IN THE POLICY WHEN ISSUED:

1. Rights or claims of parties in possession, including roads and easements, not of record.
2. Questions involving any boundaries, quantities, locations or measurements of land, any locations or extensions of improvements largely dependent on actual survey for determination.
3. Liens arising from claims for labor or material not shown of record.
4. Ordinances, laws or regulations enacted by Governmental authority.
5. Ad Valorem Taxes for 19 72 and subsequent years.
6. Leasehold Interest of Lessee in unrecorded Lease on building known as Dairy Queen Restaurant.

SCHEDULE "C"

REQUIREMENTS TO BE COMPLIED WITH BEFORE POLICY OF TITLE INSURANCE WILL BE ISSUED WITHOUT EXCEPTION THERETO.

- Item 1. Proper documents creating the estate or interest to be insured must be executed and duly filed for record, to-wit:
File properly executed conveyance from above owners to purchasers.
- Item 2. Submit proof of the payment to, or for the account of the grantors or mortgagors of the full consideration for the estate or interest to be insured.
3. File Release of Mortgage, in amount of \$60,000.00, to A. P. Harris and Louise C. Harris, recorded in Book 149, Page 60.
4. File Release of Second Mortgage, in amount of \$8,000.00, to C. K. Barnes, recorded in Book 178, Page 514.
5. File Release of Third Real Estate Mortgage, in amount of \$6,962.00, to C. K. Barnes, recorded in Book 189, Page 314.



IN REPLY REFER TO:
L1425

United States Department of the Interior

NATIONAL PARK SERVICE
Platt National Park
Arbuckle Recreation Area
P. O. Box 201
Sulphur, Oklahoma 73086

August 4, 1972

AUG 7 1972			
	Action	initial	Date
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OE			
Files			

Memorandum

To: Director, Southwest Region
Attention: Hydraulics Engineer Garland Moore

From: Superintendent, Platt-Arbuckle

Subject: Vendome Well and Area

Enclosed, as requested by Mr. Moore's telephone call of July 28,
is a verbal description of the Vendome property accompanied by
some Polaroid photographs and a plat of the area.


John C. Higgins

Enclosures



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Platt National Park
Arbuckle Recreation Area
P. O. Box 201
Sulphur, Oklahoma 73086

Memorandum

August 1, 1972

To: Superintendent

From: Maintenance Supervisor

Subject: Vendome Well and Area

The subject well and area is located in: original town of Sulphur, lots 9 and 10, section 3, township 1 south, range 3 east. Lot 9 measures from south to north 65.9 feet and west to east 99.3 feet. Lot 10 measures from south to north 65.9 feet and west to east 27 feet.

The east line of W. 5th street (not opened) is also Platt boundary. It is 50 feet wide.

Chelsea Avenue on the south is 50 feet wide (not opened) and subject to some erosion of north bank of Rock Creek. Lots 1,2,3,4,9 and 10 are presently recorded in the name of Gene Brown, Hennepin, Oklahoma. Lots 9 and 10 also show at one time to be owned by Vendome Inc.. I could not ascertain the exact dates of these records without stirring up a lot of interest.

The measurements on the lots mentioned above would have to be rechecked by a surveyor but they are close.

On the attached print, the dressing room shown on the north is now a small concession stand, shown in the photo. The dressing room on the east is now a 2 room dressing room of cinder block construction.

The pool area is enclosed with a chain link fence, in the pool area is a lifeguard stand, 3 umbrella and table units a diving board and a slide. I would estimate the buildings and fixtures at \$2,000. The 4 large pipes shown on photo #4 are part of a natural gas heater. (Lone Star Gas Co. considers it unsafe and dangerous). Photo #5 is an overview of the area from across Broadway on the north looking south. Photo #3 is a view of the well enclosure and small concession stand. Photo #2 is looking west thru the pool. Photo #1 shows the Vendome well enclosure and the discharge flume to Flower Park.

I believe this is enough information to start on. I have previously visited the site with Gary Moore.

Howard E. Crane
Howard E. Crane

Supporting Hydro Data

Test pumping was not long enough to encounter any barrier conditions.

Water level observations suggest that fresh water moves generally from east to west.

Check to see if USGS will do the job. in the vicinity of Verdona. Will for \$ 5000

$$\begin{array}{r} -2028 \\ 2973 = \end{array}$$

2973.00

3000.00

Test pump made by Poe & Assoc. was designed primarily for sizing of pump and not to determine aquifer character.

Because of the nature of the test only broad generalizations can be made concerning aquifer character.

namely T. are very high
Specific Cap. = 8.33 gpm/ft.
drawdown.

Estimated Transmissivity by the _____ method indicate that it is in the order of _____.

Udome Well - Chickasaw NRA

Downhole Camera Notes 8/26/1980

all depths BTC

- Encrustation and corrosion of casing increased from 0 to 20 feet
- Encrustation and corrosion zone to 41 feet
- Alternating zones of encrustation and corrosion and apparently ^{only} slightly affected casing - 41 feet to ~~41~~ 300 feet

2200 - Bottom of casing 300 feet

- Scale and bitumen buildup on casing walls from about 240-280 feet camera passing through this zone loosened scale buildup and ~~cam~~ which was discharged from hole giving water a black color - oil film released from this zone [hydrocarbons]

- Water producing zones about 77 feet about 319-324 feet

Cavernous areas 92-96 feet and 319-322 feet

- Total depth 324 feet

Water $\rightarrow 17^{\circ}\text{C} = T$

$\rightarrow \text{EC} = 1800 \mu\text{mhos/cm}$

- Rock bears a conglomeratic appearance perhaps a limestone breccia?
conglomerate?
differential dissolution of ls.?

FLUID LOG 78
 TYPE: C-Log DATE: 4-6-78
 LOCATION: State ND County McRAE Town Sublette
 U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION
 District or Section 1 FILE LOCATION NO.:

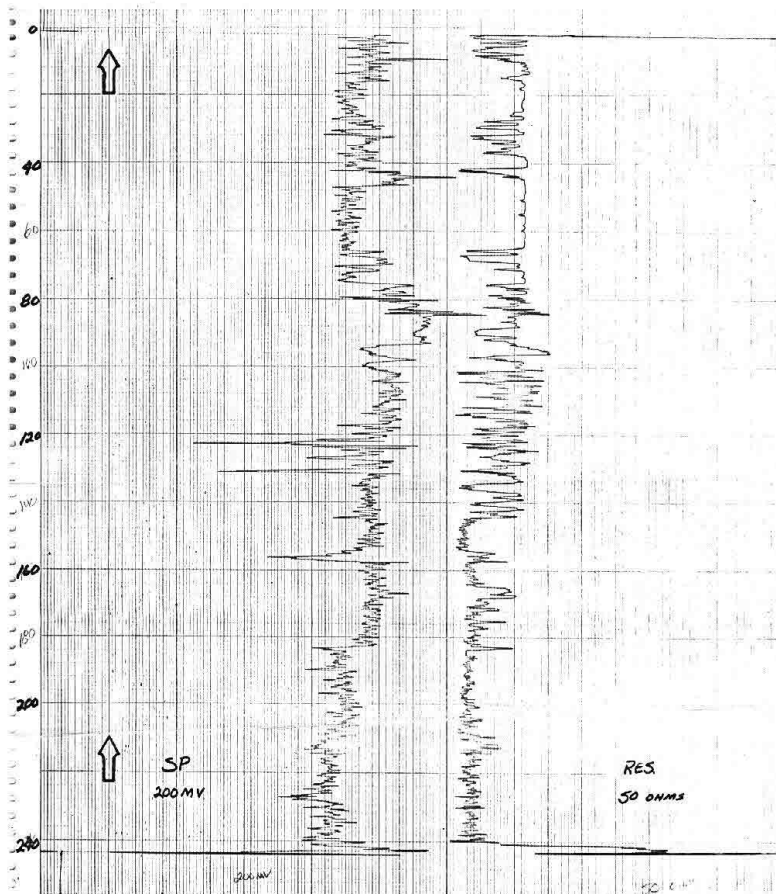
LOGGING INFORMATION
 Operator(s) R. L. Gagnon
 Equipment address: OKC
 Logger type: WILCOX No.
 Tool type:
 Tool length, cable head to detector ft in
 Calibration: SP - 200 MV RES - 50 OHMS
 Logging speed: 20 ft/min up down
 Log vert. scale: 20 ft/in

MODULE SETTINGS
 FLUID RESISTIVITY
 Scale switch (range): ohms
 Position Pot. (base, zero, or suppression): Dial div.
 Sensitivity Pot. (Span): Dial div.
 Actual scale: ohms chart div (or) full scale (circle as applicable)

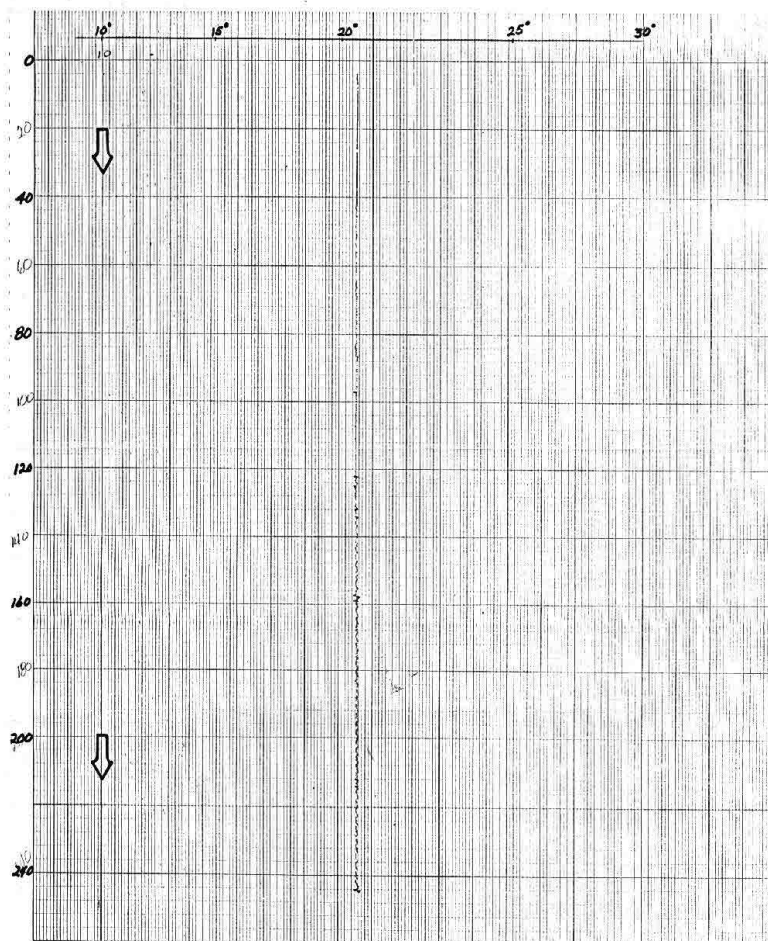
FLUID CONDUCTIVITY
 Scale switch (range): umhos/cm
 Position Pot. (base, zero, or suppression): Dial div.
 Sensitivity Pot. (Span): Dial div.
 Actual scale: umhos/cm chart div (or) full scale (circle as applicable)

RECORDER SETTINGS
 Ch 1 Ch 2 Ch 3
 Position Pot.:
 Sensitivity Pot.:
 Run No. 1 of 5
 Remarks:

WELL INFORMATION
 Well No. (USGS): 15-35-2A2P
 Other: WINDING LANE
 Map or Quad
 Site description
 Agency or Owner:
 Address:
 Altitude of L.S.:
 Log M.P.:
 Btm log interval: 245 ft Well TD: ft.
 Top log interval: ft
 Type of finish: OPEN
 Casing: Elev. of top ft/in Above Below L.S.
 I.D. from to type
 I.D. from to type
 I.D. from to type
 Cement: from to type
 Perf. interval(s) from to type
 Open hole diameter: from to
 Fluid level: 110 ft/in Above Below L.S., Top Csg
 Fluid type: WATER temp 20 °F, °C
 Fluid resist.: 200 ohms
 Driller:
 Address:
 Type of rig:
 Date started: completed
 Aquifer or formation:
 NOTE: This log is not to be used to fulfill private contractual obligations.
 Other data and logs available for well:



TEMPERATURE		U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION	
TYPE: <u>Temp</u>	DATE: <u>4-6-78</u>	District & project:	
LOCATION: State <u>GA</u> County <u>Wayne</u> Town <u>Substa</u>	FILE LOCATION NO.:		
LOGGING INFORMATION		WELL INFORMATION	
Operator(s): <u>R. L. Gussard</u>		Well No. (USGS): <u>15-32-389</u>	
Equipment address:		Other: <u>15-32-389</u>	
Logger type: <u>Wilcoxon</u> No.:		Map or Quad:	
Tool type:		Site description:	
Detector type:		Agency or Owner:	
Tool length, cable head to detector: <u>4</u> ft in		Address:	
Calibration: <u>10° to 30°</u>		Altitude of L.S.:	
Logging speed: <u>10</u> ft/min		Log M.P.:	
Log vert. scale: <u>10</u> ft/in		Btm log interval: <u>10</u> ft Well TD: <u>10</u> ft.	
MODULE SETTINGS		Top log interval: <u>10</u> ft	
Scale switch (rate, range or counts) <u>cps</u> (for pulse tool)		Type of finish:	
T.C. switch: <u>sec.</u> (for pulse)		Casing: Elev. of top <u>10</u> ft/in Above L.S.	
Position Pot. (base, zero or suppression): <u>0.50</u> Dial div.		I.D. <u>10</u> from <u>10</u> to <u>10</u> type <u>10</u>	
Sensitivity Pot. (Span): <u>0.50</u> Dial div.		I.D. <u>10</u> from <u>10</u> to <u>10</u> type <u>10</u>	
Discrimination Pot. <u>0.50</u> Dial div. (for pulse)		I.D. <u>10</u> from <u>10</u> to <u>10</u> type <u>10</u>	
Input pulse: <u>volts</u> ; polarity <u>normal</u> (for pulse)		Cement: from <u>10</u> to <u>10</u> type <u>10</u>	
Output switch: <u>normal</u> , reverse (for pulse)		Perf. interval(s) from <u>10</u> to <u>10</u> type <u>10</u>	
Actual scale: <u>cps</u> chart div (or) <u>cps/°F, C</u>		Open hole diameter: from <u>10</u> to <u>10</u> type <u>10</u>	
<u>full scale</u> (circle as applicable)		Fluid level: <u>10</u> ft/in Above L.S., Top Csg	
<u>°F, C</u> chart div (or) <u>full scale</u> (circle as applicable)		Fluid type: <u>water</u> ; temp <u>20</u> °F, <u>°C</u>	
Run No. <u>3</u> of <u>5</u>		Fluid resist.: <u>2000</u> ohm-cm	
Remarks:		Brillier:	
		Address:	
		Type of rig:	
		Date started:	
		Aquifer or formation: <u>completed</u>	
NOTE: This log is not to be used to fulfill private contractual obligations.			
Other data and logs available for this well:			



FLUID LOG

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION

TYPE: CONDUCTIVITY DATE: 4-6-78
 LOCATION: State 40 County 6-TD Town Sulphur FILE LOCATION NO.:
 LOGGING INFORMATION

Operator(s) R. L. GOSWAMI
 Equipment address: OKC
 Logger type: W-1000 NO.
 Tool type: W-1000 NO.
 Tool length, cable head to detector: 9 ft IN
 Calibration: 10 ft/min up down
 Logging speed: 10 ft/min
 Log vert. scale: 60 ft/in

MODULE SETTINGS

FLUID RESISTIVITY

Scale switch (range): ohm-m
 Position Pot. (base, zero, or suppression): Dial div.
 Sensitivity Pot. (Span): Dial div.
 Actual scale: ohm-m chart div (or) full scale (circle as applicable)

FLUID CONDUCTIVITY

Scale switch (range): 1K-20K umhos/cm
 Position Pot. (base, zero, or suppression): Dial div.
 Sensitivity Pot. (Span): 10 Dial div.
 Actual scale: umhos/cm chart div (or) full scale (circle as applicable)

RECORDER SETTINGS

Position Pot.: Ch 1 Ch 2 Ch 3
 Sensitivity Pot.: 99
 Run No. 1 of 5

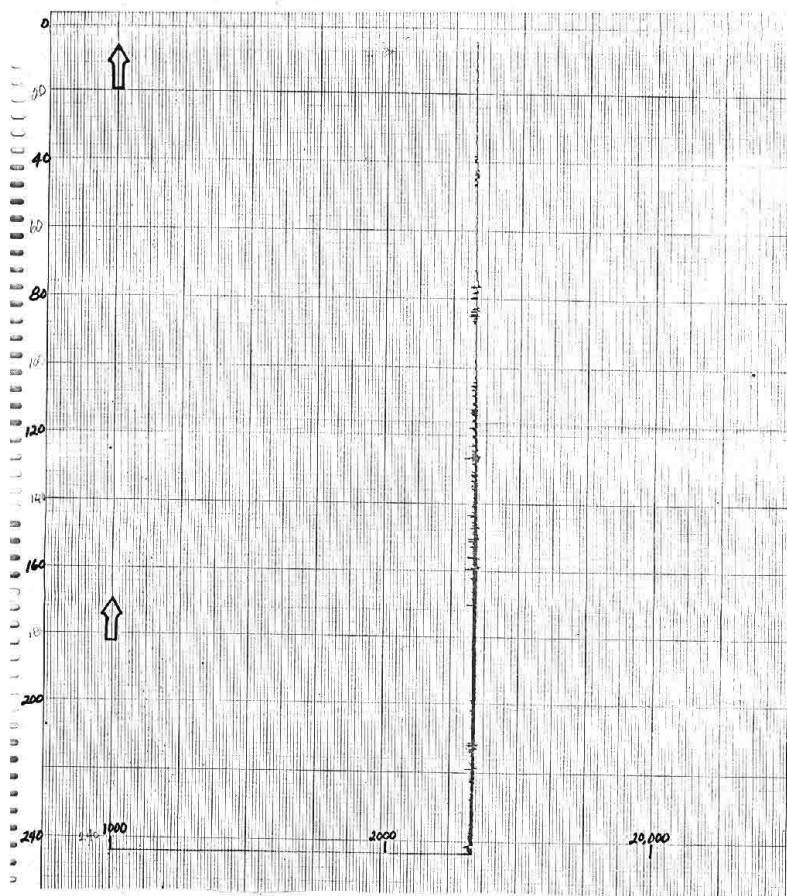
Remarks:

WELL INFORMATION

Well No. (USGS): 15-35-3ABA
 Other: VANDANIA
 Map or Quad
 Site description
 Agency or Owner:
 Address:
 Altitude of L.S.:
 Log M.P.:
 Btm log interval: 345 ft Well TD: 345 ft.
 Top log interval: 4 ft
 Type of Finish:
 Casing: Elev. of top ft/in Above Below L.S.
 I.D. from to type
 I.D. from to type
 I.D. from to type
 Cement: from to
 Perf. interval(s) from to type
 Open hole diameter: from to
 Fluid level: 110 ft/in Above Below L.S., Top Csg
 Fluid type: WATER temp 50 °F, °C
 Fluid resist.: 5000 ohm-m
 Driller:
 Address:
 Type of rig:
 Date started: completed
 Aquifer or formation:

NOTE: This log is not to be used to fulfill private contractual obligations.

Other data and logs available for this well:



NULLEAR LOG 78

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION

TYPE: Flow Meter DATE: 4-6 District or Project: _____

LOCATION: State 40 County MURRAY Town Sublet FILE LOCATION NO.: _____

LOGGING INFORMATION

Operator(s): R. L. GOSWART
 Equipment Address: DEC
 Logger type: WEL No. _____
 Tool type: _____
 Detector type: _____
 Source type: _____
 Source size: _____ C: _____ MC: _____
 Source spacing: _____
 Tool length, cable head to detector: 5 ft 6 in
 Calibration: _____ cps
 Logging speed: 5 ft/min UP down
 Log vert. scale: 50 ft/in

MODULE SETTINGS

Scale switch (rate or counts): 10 cps chart div (or) API full scale
 (circle as applicable)

T. C. switch: 8 sec.
 Position Pot. (Base, zero, or suppression): 9.94 Dial Div.
 Sensitivity Pot. (Span): 50 Dial Div.
 Discrimination Pot.: _____ Dial Div.
 Input pulse: _____ volts; Polarity _____
 Output switch: normal; reverse _____
 Actual scale: _____ cps chart div (or) API full scale
 (circle as applicable)

RECORDER SETTINGS

	Ch 1	Ch 2	Ch 3
Position Pot.:	<u>2.24</u>		
Sensitivity Pot.:	<u>50</u>		

Run No. 5 of 5
 Remarks: + velocity in Right

WELL INFORMATION

Well No. (USGS): 15-36-3A20
 Other: UNDEVELOPED
 Map or Quad: _____
 Site description: _____
 Agency or Owner: _____
 Address: _____
 Altitude of L.S.: _____
 Log TD: 245 ft
 Item log interval: 225 ft Well TD: 245 ft
 Top log interval: _____ ft
 Type of finish: _____
 Casing: Elev. of top _____ ft/in Above Below L.S.

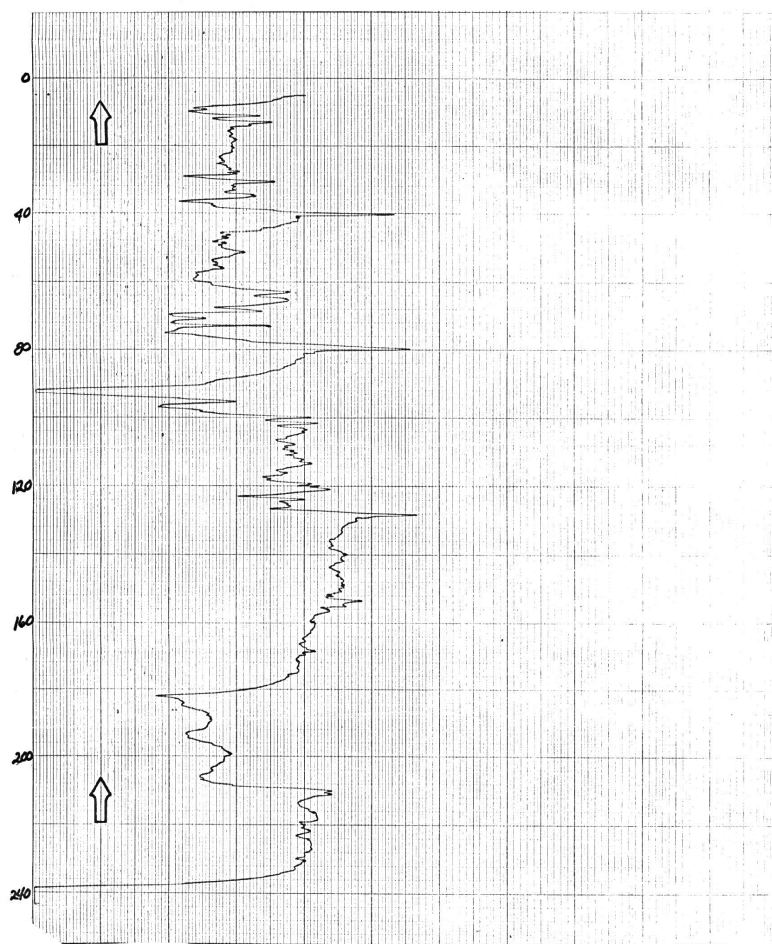
I.D. _____ from _____ to _____ type _____
 I.D. _____ from _____ to _____ type _____
 I.D. _____ from _____ to _____ type _____

Cement: from _____ to _____
 Perf. interval(s) from _____ to _____ type _____
 Open hole diameter: from _____ to _____
 from _____ to _____

Fluid level: Flowing ft/in Above Below L.S., Top Csg
 At _____
 Fluid type: WATER temp 60 °F 60
 Fluid resist.: 2000 ohm-cm
 Driller: _____
 Address: _____
 Type of rig: _____
 Date started: _____
 Aquifer or formation: _____ completed

NOTE: This log is not to be used to fulfill private contractual obligations.

Other data and logs available for this well: _____



GRANITE NUCLEAR-100 U.S. GEOLOGICAL SURVEY, NATURAL RESOURCES

TYPE: DATE: 1.17.78 District: Prosser

LOCATION: State OKLA County 6 Town Supper FILE LOCATION: XXXX

LOGGING INFORMATION

Operator(s): R. L. GORMAN
 Equipment Address: OKLA. CITY, OKLA
 Logger type: Single No. 1
 Tool type: W. GORMAN
 Detector type: W. GORMAN
 Source type: 6 MC
 Source spacing: 4 ft
 Tool length, cable head to detector: 4 ft
 Calibration: 2.5 cps
 Logging speed: 2.5 f/min up down
 Log vert. scale: 2.0 f/in

MODULE SETTINGS

Scale switch (rate or counts): 10 cps chart div (or) API full scale
 (circle as applicable)

T. C. switch: 16 sec.
 Position Pot. (Base, zero, or suppression): 9.70 Dial Div.
 Sensitivity Pot. (Span): 5.78 Dial Div.
 Discrimination Pot.: 5.78 Dial Div.
 Input pulse: 5.78 volts; Polarity: normal
 Output switch: normal; reverse
 Actual scale: 5.78 cps chart div (or) API full scale
 (circle as applicable)

RECORDER SETTINGS

Position Pot.	Ch 1	Ch 2	Ch 3
Sensitivity Pot.:	<u>9.70</u>		
Sensitivity Pot.:	<u>5.78</u>		

Run No. 1 of 1

Remarks:

WELL INFORMATION

Well No. (USGS): OK-100-1-R
 Owner: OKLA. CITY, OKLA
 Map or Quad: OKLA. CITY, OKLA
 Site description: OKLA. CITY, OKLA
 Agency or owner: OKLA. CITY, OKLA
 Address: OKLA. CITY, OKLA
 Altitude of L.S.: OKLA. CITY, OKLA
 Log M.P.: OKLA. CITY, OKLA
 Run log interval: OKLA. CITY, OKLA
 Top log interval: OKLA. CITY, OKLA
 Type of finish: OKLA. CITY, OKLA
 Casing: Elev. of top: OKLA. CITY, OKLA

PERF. INTERVAL

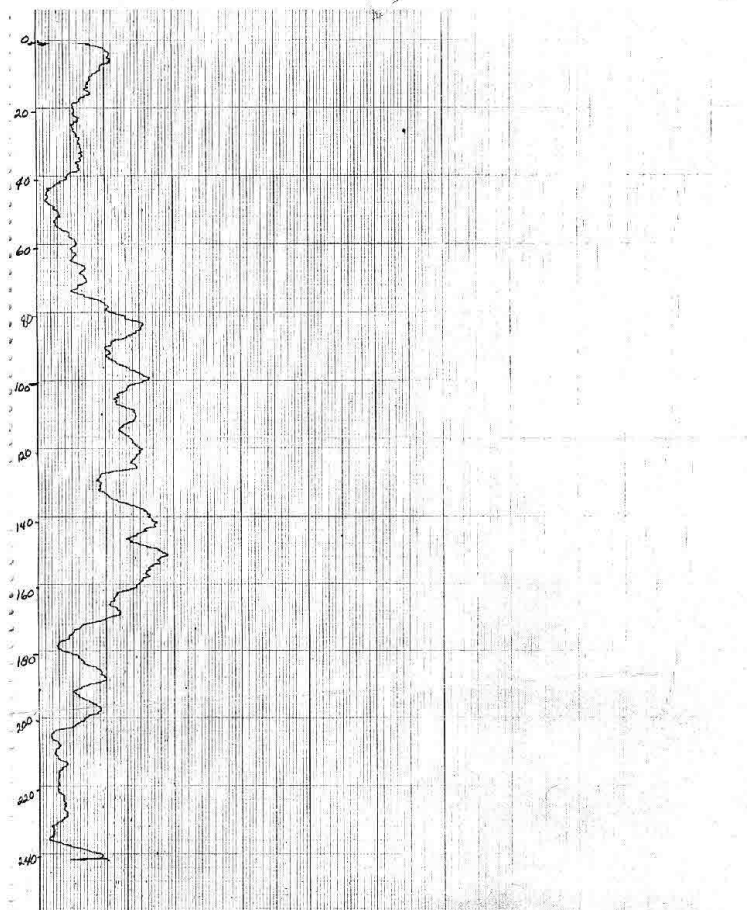
Perf. Interval: OKLA. CITY, OKLA
 Open hole diameter: OKLA. CITY, OKLA

FLUID LEVEL

Fluid level: OKLA. CITY, OKLA
 Fluid type: OKLA. CITY, OKLA
 Fluid resist.: OKLA. CITY, OKLA
 Driller: OKLA. CITY, OKLA
 Address: OKLA. CITY, OKLA
 Type of rig: OKLA. CITY, OKLA
 Date started: OKLA. CITY, OKLA
 Aquifer or formation: OKLA. CITY, OKLA

NOTE: This log must be used in accordance with the obligations.

Other data and logs available for this well:



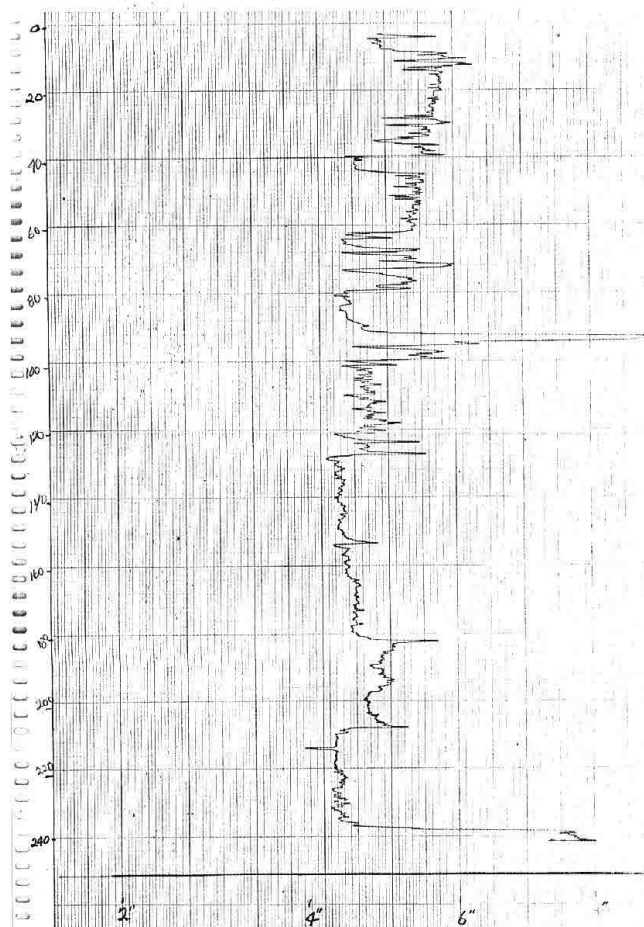
TYPE: CALIPER LOG DATE: MARCH 4, 1978 U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION
 LOCATION: State OKLA County 6 Town Sulphur DISTRICT (G. O.) 1 FILE LOCATION NO. 1

LOGGING INFORMATION
 Operator(s): R.L. GOENART
 Equipment address: OKLA. CITY
 Logger type: well No. 10
 Tool length, cable head to measuring point: 24 to 10 ft. in
 Calibration: 24 to 10
 Logging speed: 10 ft/min
 Log vert. scale: 40 ft/in
 Arm length: 2 inches

WELL INFORMATION
 Well No. (USGS): 10-25-60-10
 Other: W-10-25-60-10
 Map or Quad: W-10
 Site description: W-10
 Agency or Owner: W-10
 Address: W-10
 Altitude of L.S.: W-10
 Log M.P.: W-10
 Btm log interval: W-10 ft. Well TD: W-10 ft.
 Top log interval: W-10 ft.
 Type of finish: W-10
 Casing: Elev. of top: W-10 ft/in Above Below
 I.D.: W-10 from W-10 to W-10 type W-10
 O.D.: W-10 from W-10 to W-10 type W-10
 Cement: from W-10 to W-10
 Perf. interval(s) from W-10 to W-10 type W-10
 Open hole diameter: from W-10 to W-10
 Fluid level: W-10 ft/in Above Below
 At W-10 Top Csg
 Below W-10
 Fluid type: W-10 temp W-10
 Fluid resist.: W-10 ohm
 Driller: W-10
 Address: W-10
 Type of rig: W-10
 Date started: W-10 completed W-10
 Aquifer or formation: W-10
 NOTES: This log is to be used to fulfill private contractual obligations.
 Other data and logs available for city selling: W-10

MODULE SETTINGS
 Scale (Range): 9.97 inches/chart div.
 Position Pot. (Base, zero or suppression): 9.97 Dial div.
 Sensitivity Pot. (Span): 0.81 Dial div.

RECORDER SETTINGS
 Ch 1 9.97 Ch 2 0.81 Ch 3 0.81
 Position: 9.97
 Sensitivity: 0.81
 Run No. 2 of 2
 Remarks: W-10
W-10
W-10



LAHOMA STATE DEPARTMENT OF HEA
ENGINEERING LABORATORY

REPORT OF WATER ANALYSIS

SAMPLE Yonkers Artesian Well ENGINEERING LABORATORY NUMBER 838
 SOURCE OF SAMPLE Platt National Park DATE TAKEN 10-1-63
 CITY Clinton DATE RECEIVED 10-3-63
 COUNTY Montgomery DATE COMPLETED 10-15-63
 PUBLIC PRIVATE

RESULTS REPORTED IN PARTS PER MILLION

CONSTITUENT	PPM	CONSTITUENT	PPM
SILICA (SiO ₂)		IRON (Fe)	0
CALCIUM (Ca)	73	MANGANESE (Mn)	0
MAGNESIUM (Mg)	37	SULFATE (SO ₄)	26
SODIUM (Na)		SPECIFIC CONDUCTANCE (Microhms)	
POTASSIUM (K)		DISSOLVED SOLIDS	1170
BICARBONATE (HCO ₃)	233	TOTAL HARDNESS (CaCO ₃)	344
CARBONATE (CO ₃)	19	CALCIUM HARDNESS (CaCO ₃)	192
CHLORIDE (Cl)	643	NON-CARBONATE HARDNESS (CaCO ₃)	76
FLUORIDE (F)	0.00	"P" ALKALINITY (CaCO ₃)	16
NITRATE (N)	0	TOTAL ALKALINITY (CaCO ₃)	268
AMMONIA (N)	2.5	COLOR	0
		TURBIDITY (SiO ₂)	0
DISSOLVED OXYGEN			
BIOCHEMICAL OXYGEN DEMAND		pH	7.3

REMARKS _____

ANALYST John Thompson

Other Supporting Information

January 26, 1989

154(479)
SWE/CHIC General

United States Environmental
Protection Agency
Region VI
1445 Ross Avenue, Suite 1300
Dallas, TX 75202

Dear Sir or Madam:

We recently became aware of a petition submitted to EPA by the Seroptimist International of Ada, Inc., to designate a portion of the Arbuckle-Simpson aquifer as a sole source aquifer. Chickasaw National Recreation Area is located within the area of concern in this petition.

The National Park Service is interested in the proceedings surrounding this petition and would, therefore, appreciate receiving notification of any actions proposed. To facilitate our involvement in this issue, please send any information to the following three parties.

Chief, Water Rights Branch
Water Resources Division
National Park Service
301 S. Howe, Rm 333
Fort Collins, Colorado 80521

Superintendent
Chickasaw National Recreation Area
P.O. Box 201
Sulphur, OK 73086

Regional Director
Southwest Regional Office
National Park Service
P.O. Box 728
Santa Fe, NM 87504-0728

2
Thank you for your assistance. If you have any questions please contact me at
(363) 221-8301.

Sincerely,



Owen R. Williams
Chief, Water Rights Branch

bcc: SWR - Tarborough
CHIC - Superintendent
WED - Ponce

FNP:BVaelkel:jr:221-8301:01/24/89:WAWC #142



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202

Handwritten: Dick
COPI

DEC 30 1988

Dear Commenter:

Thank you for your comments on the petition submitted to EPA by the Soroptimist International of Ada, Inc., to designate a portion of the Arbuckle-Simpson aquifer as a sole source aquifer. Your comments will be given full consideration during our evaluation of the petition and in the process leading to a final decision regarding the aquifer. In the interest of gathering as complete a record as possible, we are extending the public comment period to January 31, 1989, as described in the enclosed announcement.

Also, for your information, we have enclosed a copy of the legislation which created the sole source aquifer program, a copy of the original public notice which appeared in the Daily Oklahoman and the Ada Evening News on November 15, 1988, a map of the area proposed for project reviews, and a short description of the potential effects of sole source aquifer designation. We hope this information will provide a more complete picture of the sole source aquifer program and the petition being considered by the EPA.

Sincerely yours,

Clay Chesney

Clay Chesney
Geologist
Office of Ground Water (6W-A)

Enclosures

A Time Extension on the Comment Period for a Petition to Designate
the Arbuckle-Simpson Aquifer a Sole Source Aquifer

Agency: Environmental Protection Agency

Action: Notice of time extension for public comment period.

Description: On November 15, 1988 the Environmental Protection Agency (EPA) announced by publication in the Daily Oklahoman and the Ada Evening News the receipt of a petition from the Soroptimist International of Ada, Inc. requesting the designation of a portion of the Arbuckle-Simpson aquifer as a sole or principal source of drinking water. That publication also announced a public hearing, which was held at Ada, Oklahoma on December 15, 1988 and a public comment period beginning November 15, 1988 and ending December 30, 1988.

Several local ranchers, farmers and landowners at the public hearing and subsequent to the public hearing commented that there was insufficient time to prepare comments on the petition. EPA believes that an extension of the comment period is justified in order to uncover possible additional evidence relating to the petition.

Date: The public comment period is hereby extended to January 31, 1989. Comments on the suitability of the Arbuckle-Simpson aquifer as a sole source aquifer are invited from any interested person. Comments and requests for further information should be directed to:

Clay Chesney
Office of Ground Water, 6W-A
Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733
(214) 655-6446

Section 1424(e) of the Safe Drinking Water Act,
(P.L. 93-523) states:

"If the Administrator determines, on his own initiative or upon petition, that an area has an aquifer which is the sole or principal drinking water source for the area and which, if contaminated, would create a significant hazard to public health, he shall publish notice of that determination in the Federal Register. After the publication of any such notice, no commitment for Federal financial assistance (through a grant, contract, loan guarantee, or otherwise) may be entered into for any project which the Administrator determines may contaminate such aquifer through a recharge zone so as to create a significant hazard to public health, but a commitment for Federal financial assistance may, if authorized under another provision of law, be entered into to plan or design the project to assure that it will not so contaminate the aquifer."

A Petition from the Soroptomist International of Ada, Inc.
Requesting Sole Source Aquifer Designation of a Portion of the
Arbuckle-Simpson Aquifer in South Central Oklahoma,
and Request for Public Comment

Agency: Environmental Protection Agency

Action: Notice of public comment period and public hearing.

Summary: The Environmental Protection Agency (EPA), Region VI, invites public comment on a petition requesting sole source aquifer designation for a portion of the Arbuckle-Simpson aquifer underlying southern and central Pontotoc County, northern Johnston County, and part of western Murray County in south-central Oklahoma as a sole or principal source aquifer. In particular, the EPA requests data and references to additional sources of information on the aquifer and its use as a source of drinking water. If the aquifer is so designated, no commitment for Federal financial assistance may be entered into for any project which the EPA determines may contaminate the aquifer so as to create a significant hazard to public health. The public comment period begins November 15, 1988, and ends December 30, 1988. In addition to the public comment period, a public hearing will be held to provide opportunity for public comment.

Dates: A public hearing is scheduled for December 15, 1988, at the Regents Room, East Central University, Ada, Oklahoma. The hearing will begin at 7:00 p.m. The public is encouraged to submit written comments on the characteristics of the aquifer system, the boundaries of the area, the availability of alternate sources of water, and the appropriateness of the proposed designation. Written comments must be postmarked on or before December 30, 1988.

-2-

Addresses: Comments should be addressed to the Environmental Protection Agency, Office of Ground Water, 6W-A, 1445 Ross Avenue, Dallas, Texas 75202-2733. The petition and related documents can be examined during normal business hours at the following locations:

Environmental Protection Agency Robert S. Kerr Environmental Research Laboratory Kerr Lab Road Ada, Oklahoma 74820	Environmental Protection Agency Region VI Information Center 1445 Ross Avenue Dallas, Texas 75202-2733
--	--

Linscheid Library
East Central University
Ada, Oklahoma 74820

A transcript of the public hearing will be available for public review at the locations listed above as soon as possible after the hearing.

For Further Information Contact:

Clay Chesney
Office of Ground Water, 6W-A
Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733
(214) 655-6446

Supplementary Information: Section 1424(e) of the Safe Drinking Water Act [Pub.L.92-523] authorizes the Administrator of the EPA to determine, on his own initiative or upon petition, that an area has an aquifer which is the sole or principal drinking water source for the area and which, if contaminated, would create a significant hazard to public health. After such a determination is made, no commitment for Federal financial assistance (through a grant, contract, loan guarantee, or otherwise) may be entered into for any project which the Administrator

-3-

determines may contaminate such an aquifer through a recharge zone so as to create a significant hazard to public health.

On August 1, 1988, the Soroptomist International of Ada, Inc. (SIAI) petitioned EPA to designate the Arbuckle-Simpson aquifer in south central Oklahoma as a sole or principal source of drinking water. Region VI has determined the petition to be adequate for consideration and is now soliciting public comment to assist in its review process.

Information on the Petitioned Area:

The following information about the petitioned area is taken from the petition.

The Arbuckle-Simpson aquifer covers much of the surface area of the Arbuckle Mountains. It consists principally of limestone and dolomite, with lesser amounts of sandstone and shale. The limestones and dolomites are fractured and cavernous, and are the source of a number of freshwater springs in the area.

Because of the complex geology of the Arbuckle Mountains, the boundaries of the aquifer are highly irregular in a number of places and the aquifer occurs in two separate major outcrop areas within the Arbuckle Mountains. The petition requests designation of the northeast outcrop area of the aquifer (involving southern and central Pontotoc County, northern Johnson County and part of western Murray County). The portion of the Arbuckle-Simpson aquifer which extends from western Johnson County toward the west through southern Murray County and northern Carter County is not included in this petition.

-4-

In its petition the SIAI identified the northeast portion of the the Arbuckle-Simpson aquifer as the sole or principal drinking water source for an area covering most of Pontotoc County (including the City of Ada), the northern third of Johnson County, part of western Coal County, and part of eastern Murray County. Information submitted with the petition indicates that all of the drinking water consumed in the service area is supplied by the aquifer. The petition also indicates that there are no alternative sources of drinking water for the area which would be feasible replacements for the aquifer.

Aquifer Designation:

If the EPA determines that the portion of the aquifer area described in the petition is a sole or principal source of drinking water, the EPA will announce the aquifer's designation as such in the Federal Register.

Project Review Area:

Should the proposed area be designated, EPA would review projects with Federal financial assistance (such as grants, contracts, or loan guarantees) which may contaminate the aquifer. The project review area would include at a minimum, the recharge zone of the designated aquifer area, and may extend to cover all of the surface area which drains onto the aquifer recharge area.

Programs and actions which do not involve application for Federal financial assistance are not reviewed under the sole source program. Direct Federal actions are also not subject to review under this program.

-5-

Under the National Environmental Policy Act (NEPA) all Federal agencies are required to determine whether major projects receiving Federal funds will have a "significant impact on the environment". Wherever possible the project review process under the sole source aquifer program makes use of environmental impact statements which have been prepared to satisfy NEPA requirements, thus reducing duplication of effort and project delays.

EPA will not be concerned with reviewing, on an individual basis, small, isolated commitments of financial assistance such as individual home mortgage loans. However, EPA may conduct a review of the cumulative impact if a large number of such projects is of concern.

December, 1988

THE EFFECTS OF SOLE SOURCE AQUIFER DESIGNATION

General

An aquifer can be named a sole source aquifer by the Administrator of the Environmental Protection Agency (EPA) under Section 1424 (e) of the Safe Drinking Water Act (SDWA). The intention of the program is to prevent federal funding of projects which might contaminate an aquifer which is the sole or principal source of drinking water for an area.

After designation, EPA will review projects with federal financial assistance in the project review area named in the designation. The project review area includes the surface recharge area of the aquifer and the area overlying the subsurface portions of the aquifer which are connected with the recharge area. It may also include the watershed area which contributes to the surface water flowing across the aquifer. The purpose of project review is to identify federally assisted projects which might contaminate the aquifer and then to work with the applicants to modify those projects so as to prevent contamination from entering the aquifer. As a final step, Federal funding can be denied if the project cannot be or is not modified to remove the hazard to the aquifer.

Types of Projects Reviewed

Under the Section 1424(e) provisions of the SDWA, EPA can only review projects which are located in the project review area and for which there has been an application for federal financial assistance (including loans, loan guarantees, and grants). There will be no review of projects which do not have federal financial assistance.

In addition, EPA will not review projects which are of a type or size which do not constitute a potential threat to the aquifer. For example, individual home loans are not normally reviewed under the program. However, any federally assisted project in the review area may be reviewed if EPA receives a petition which requests review and presents valid evidence of the potential threat to the aquifer from that project.

Restrictions and Requirements

No activity is prohibited under the program, and the program does not prescribe any set of restrictions on any activity.

How the Review Process Works

After designation, EPA negotiates agreements with other federal agencies (such as the Federal Highway Administration, Veterans Administration, Farmers Home Administration) which might provide financial assistance in the project review area. The agreements specify which types of activities will be referred to EPA for review and which types are normally excluded from review.

-2-

When the cooperating agency receives an application for federal financial assistance involving a project subject to EPA review, it will transmit a copy of the application to the regional EPA Office of Ground Water. The Office of Ground Water will review the project, generally within the same time frame used by the cooperating agency in its review, and will decide whether to approve the project, begin negotiations to modify the project, or request more information. There is always an attempt to use existing sources of information which are required under other programs. It is anticipated that projects reviewed under the program normally will not require the submission of any additional information by the applicant.

History of the Project Review Process

More than 40 aquifers have been designated sole source aquifers in the United States, and numerous projects have been reviewed under the program. Federal funding has never been denied to a project under the program but modifications have been required in several instances. Most projects which have been reviewed in the designated areas have consisted of highway construction projects and housing developments.



May 21, 1986

L54 (479)
CHIC/General

Memorandum

To: Stan Ponce

From: Bill Werrell

Subject: Statement regarding water rights at CHIC

As we agreed, I have prepared the following as a brief statement of our hydrologic needs which I see as necessary to support a water rights case by proving loss of water due to outside influences. Such efforts will also delineate measures to restore/protect the water resources, and provide monitoring capabilities which may be used to legally regulate ground water withdrawals from a "closed basin".

Harp's final report is due in another few weeks and we will jointly review his material.

Bill

Chickasaw National Recreation Area Water Rights Support

Objectives

In 1902 Congress established Sulphur Springs Reservation to protect the unique waters (fresh and mineralized) of some 33 springs. In 1906 the name was changed to Platt National Park. Oklahoma became a state in 1907. In 1976 the park was expanded to include the Lake of the Arbuckles and the name was changed to Chickasaw NRA - the former Platt NP is now termed the Travertine District.

Local artresian ground water conditions capable of producing flowing wells at the surface was discovered about 1900. Development of such wells increased greatly in the 1920's. Over the years the town of Sulphur, OK has grown adjacent to the northern boundary of the park, utilizing well water.

All evidence indicates that the groundwater resources are steadily declining with time due to man's impact. Major park resources have already been lost. Of the 33 springs originally present, only 19 were flowing in 1938, 7 in 1972, and only 4 flow today. Especially important are two springs which cause surface flow through the park, providing swimming for visitors and maintaining the ecosystem. These springs now go dry with increasing regularity and are predicted to be permenetely dry in some 40 years by the U of OK study. Surface water is being impacted by Sulphur, OK. Biological contamination of the stream flow now requires "no swimming" for major protions of the Travertine District.

Studies indicate that the recharge areas of the aquifers and the vast majority of the aquifer system lies outside the park boundaries. To prevent total loss of park waters, and to provide for restoring the already lost springs, we see the application of legal water rights as being our primary option.

Work to be done

Through the combined efforts of the Water Rights and Water Services Branches an evaluation of the final geohydrologic report by the U of OK will be made. This report is due June 1, 1986. This study has provided some surface geology mapping and the application of a groundwater model to allow: an evaluation of the location and size of the recharge area, define the flow networks, provide predictions of the rate of groundwater depletion as it relates to loss of spring flow, and evaluation of the total and/or individual effects of wells (flowing or pumped) outside the park. However, the funding level of the study precluded the collection of direct field data as is necessary to verify basic assumptions of the study, e.g. no test well drilling has ever been done to: (1) determine the location and effects of suspected faults, (2) provide hydraulic coefficients of the aquifers, or (3) provide direction and gradients of ground water movement in the aquifers. Enhanced understanding of the ground water could also be provided by knowledge of the response time of recharge and water quality data.

These data will allow calibration (and perhaps basic changes) of the models - as well as provide monitoring station data which could serve as legal determinations for allowing ground water withdrawal under a comprehensive ground water allocation system as established by water rights action.

WATER SYSTEM DATA

Area Platt National Park Recorded by C.T. Othmer Date 8 / 21 / 72
Mo., Da., Yr.

1. Name of System: Stream systems
2. Location: State Oklahoma County Murray General Area Sulphur
3. General Description: Rock Creek, Travertine Creek, Springs flowing into creeks.
(Type of System, Use, Sources, Capacity, etc.)

(Bromide, Medicine & Black Sulphur Springs are included in Mineral Water Systems)

4. Water Rights: Type of Right domestic Claim No. None
(Riparian, Appropriative, Absolute, etc.)

Permit No. None Docket No. None Remarks: _____

see addenda
(e.g. see addendum)

5. Sources of Supply: No./Type of Sources see addendum for source data
(Use Addendums for Source Data)

- (NA) 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.

Remarks: _____

- (NA) 7. Distribution: Residences _____ Trailers _____

Drinking Fountains _____ Fire Hydrants _____ Other _____

8. Vendome Well Latitude 34°30'20" N longitude 96°58'22" W (Indian
Buffalo Springs " 34°30' 9" N " 96°56'20" W Meridian)
Antelope Springs " 34°30'17" N " 96°56'28" W
Travertine Creek joins Rock Creek " 34°30'14" N " 96°58'16" W
Rock Creek enters Park " 34°30'29" N " 96°58'28" W
Rock Creek leaves Park " 34°29'35" N " 96°59'24" W

ADDENDUM FOR SOURCE DATA

N/A

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: (Vendome Well)
Driller or Construction Co. _____ unknown _____
(Name) (Address)

Date Drilled: / / 1922 Pump Intake Setting NA ft.
Mo.Da.Yr.

Method Drilled: unknown
(Air, Rot, Bored, Cable, Dug, Hyd. Rot, Jetted,
Air Percussion, Reverse Rotary, Trenching, etc.)

Lift Type: _____
(Air, Bucket, Cent, Jet, Nose, Piston, Submerg, Turb, etc.)

Hgt. of Casing above Ground ---- ft. Static Water Level --- ft.
(From top of casing to water level)

Drawdown NA ft. Q at Specified Drawdown -----

Method of Measurement:

Static Water Level NA
(Air Line, Steel Tape, Electric Probe, etc.)

Drawdown NA
(Air Line, Steel Tape, Electric Probe, etc.)

Remarks: 1) see addendum: Legal considerations re Vendome Well; 2)
(e.g. see addendums for chemical analysis, water usage, etc.)
Flow measured at 2500 gpm 12/1/59; 3) well drilled to depth of 365 ft.;
4) channel to Travertine Creek constructed by CCC in the thirties.

Remarks regarding source data in general: Buffalo Springs, Antelope Springs and Vendome Well are the principal contributors to Travertine Creek which feeds into Rock Creek as it flows through the Park boundaries. All three sources are artesian. Vendome averages approx. 2500 gpm. Buffalo and Antelope Springs vary between 0 and 2500 gpm.

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

TO : Gary Moore

DATE: Aug. 21, 1972

FROM : Craig Othmer

SUBJECT: Legal Considerations Regarding Vendome Well

1. BACKGROUND

Vendome Well is a privately owned artesian well that is probably about 6" in diameter. It has been choked down to around 4" so that it has a fountain effect when it comes out of the ground. According to local sources, it used to be choked down to 2 or 3" to an even higher fountain. It has been commercially developed to the extent that a swimming pool has been built beside it. Although the pool has operated in recent years, it remained inactive during the 1972 summer season. In the 1930's, the CCC developed an artificial channel for the runoff from the well in Platt National Park now called Sulphur Falls. This runoff is now a major attraction in the Park and also furnishes a permanent flow to Travertine Creek which feeds into the Arbuckle Reservoir. The Oklahoma Water Resources Board has fully appropriated all the waters in Arbuckle Reservoir. No formal agreement exists between the Park and the well owner. While the existing situation is agreeable to all concerned, the water rights of both the owner and Park are uncertain.

2. VENDOME WATERS UNDER OKLAHOMA LAW

If the water rights to the flow from the well were adjudicated, the Park could use four main approaches.

A. Reservation Doctrine. Under this doctrine, a National Park has the right to use any waters for the development of the Park. The Vendome waters already contribute to the recreational value of the Park. This, of course, would be a power approach. The drawbacks here are: 1) lack of formal agreement between the parties, 2) absence of any statement by the Federal Government claiming use of the waters and, 3) the possibility of damaging local public relations.

B. Groundwater. Since the water originates outside Park boundaries from an artificially made source, it might be considered as groundwater. If so, the 1973 Oklahoma Groundwater Law requires a permit for any use beyond domestic use. A quick review of the permits on Aug. 1, 1972, did not reveal an existing permit. The Park could file for a State permit itself and drill its own well within Park boundaries or it could enter into a formal agreement with the present owner of the well on the condition that a permit be obtained.



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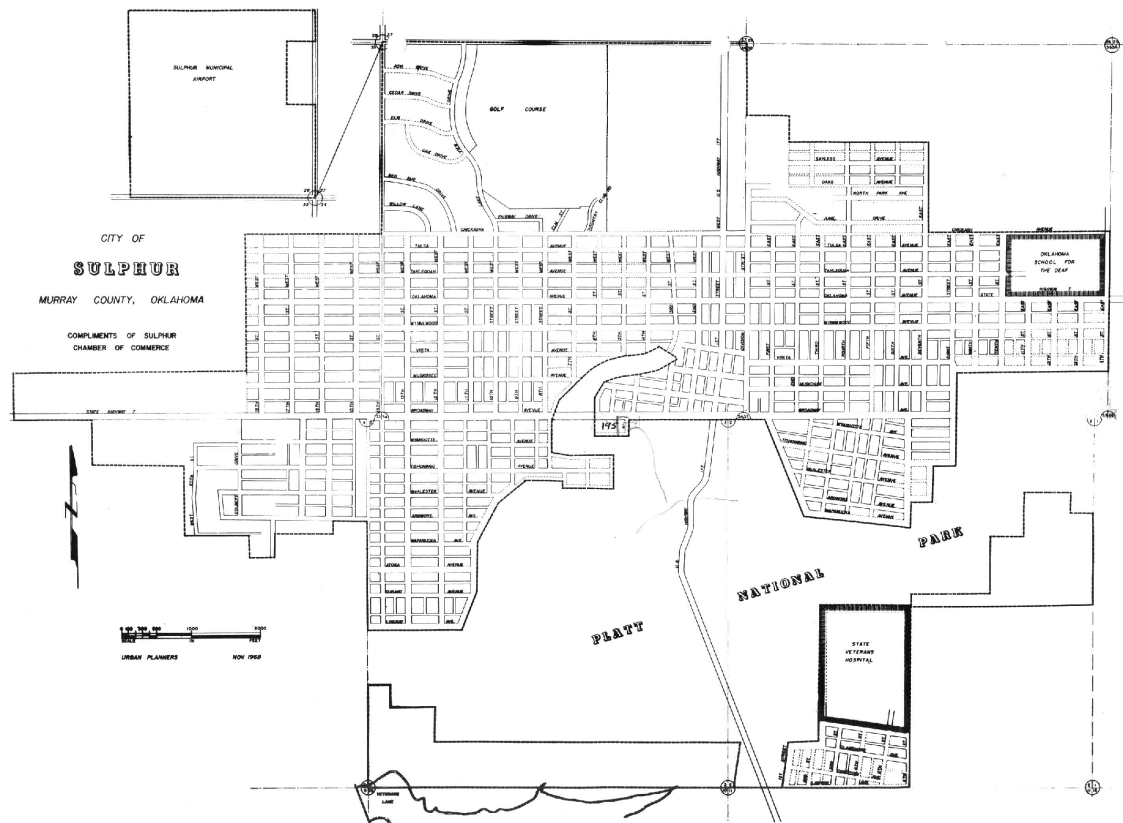
Under the existing circumstances, the owner is limited to a domestic use which would be a small percentage of the flow; the rest could continue to flow down Sulphur Falls.

C. Surface stream water. The most likely classification of Vendome waters is as surface stream water rather than groundwater. Under a doctrine established in Chicago, R. I. & P. Ry v Groves, 1908 and elaborated upon in Branch v Altus, 1945, an artificially made water course becomes 'natural' over the years as the water cuts into the channel with its natural erosive qualities. In this case, the present owner would have to claim a permit under the 1963 Oklahoma Water Appropriation Laws. Again a quick review of the permits did not show an existing permit. The Park could use waters from Vendome Well for domestic uses only. The best approach here would be to apply for a State permit for evaporative losses from the creek thus establishing Vendome waters as surface stream flow and providing for permanent enjoyment of the flow in its present course.

D. Adverse easement. Whether the waters are groundwaters or surface stream waters, the Park has been using them for over twenty-five years. This should be enough to establish a right to continued use. The primary obstacle here is that the owner could claim that the use was merely permissive and that the Park's development of the waters contributed to his own enterprises and was therefore not adverse at all.

3. CONCLUSIONS

Legally, the Park could no doubt successfully defend its present use of the water from Vendome Well, but, a more practical solution would be the purchase of the well. This course of action would have three advantages: 1) It would provide for easier maintenance and allow for expansion, 2) it would negate the possibility of lawsuits involving the rights, and 3) it would help to maintain good public relations with the local community.



OKLAHOMA STATE DEPARTMENT OF HEALTH
ENGINEERING LABORATORY

REPORT OF WATER ANALYSIS

SAMPLE Vendome Artesian Well ENGINEERING LABORATORY NUMBER 858
 SOURCE OF SAMPLE Platt National Park DATE TAKEN 10-1-63
 CITY Sulphur DATE RECEIVED 10-3-63
 COUNTY Murray DATE COMPLETED 10-15-63
 PUBLIC ☒ PRIVATE ☐

RESULTS REPORTED IN PARTS PER MILLION

CONSTITUENT	PPM	CONSTITUENT	PPM
SILICA (SiO ₂)		IRON (Fe)	0
CALCIUM (Ca)	73	MANGANESE (Mn)	0
MAGNESIUM (Mg)	37	SULFATE (SO ₄)	26
SODIUM (Na)		SPECIFIC CONDUCTANCE (Microhms)	
POTASSIUM (K)		DISSOLVED SOLIDS	1170
BICARBONATE (HCO ₃)	283	TOTAL HARDNESS (CaCO ₃)	344
CARBONATE (CO ₃)	19	CALCIUM HARDNESS (CaCO ₃)	192
CHLORIDE (Cl)	448	NON-CARBONATE HARDNESS (CaCO ₃)	76
FLUORIDE (F)	0.60	"P" ALKALINITY (CaCO ₃)	16
NITRATE (N)	0	TOTAL ALKALINITY (CaCO ₃)	268
AMMONIA (N)	2.3	COLOR	0
		TURBIDITY (SiO ₂)	0
DISSOLVED OXYGEN			
BIOCHEMICAL OXYGEN DEMAND		pH	7.3

REMARKS _____

ANALYST John Thompson

Maps and Miscellaneous Information



PHOTOGRAPHIC ADDENDUM FOR CHIC. NATIONAL PARK



PART OF FLOWER GARDEN

PHOTOGRAPHIC ADDENDUM FOR CHIC.NATIONAL PARK



VENDOM WELL

PHOTOGRAPHIC ADDENDUM FOR CHIC. NATIONAL PARK



PART OE FLOWER GARDEN

Docket Information

Number of Documents in Docket 57

Documents Dated from 10/15/1963 to 1/26/1989

Docket Compiled: 6/13/2016