

BW - 8

SONAR TESTS

Salty Dog Brine

RECEIVED
2009 FEB 19 PM 12 01

February 18, 2009

RE: Salty Dog BW-08

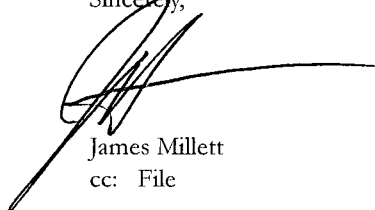
VIA AIRMAIL

Jim Griswold
1220 South St. Francis Drive
Santa Fe, Nm 87505

Dear Jim Griswold,

Enclosed is the Salty Dog Sonar log for your review. Please visit with Wayne and let me know what you think as soon as possible. I am going back in the hole right now back down to 2400 ft there is a solid 300 ft roof over that 2400 ft area. Look forward to you comments.

Sincerely,



James Millett
cc: File



SOCON Sonar Well Services, Inc.

ECHO – LOG

Salty Dog, Inc.

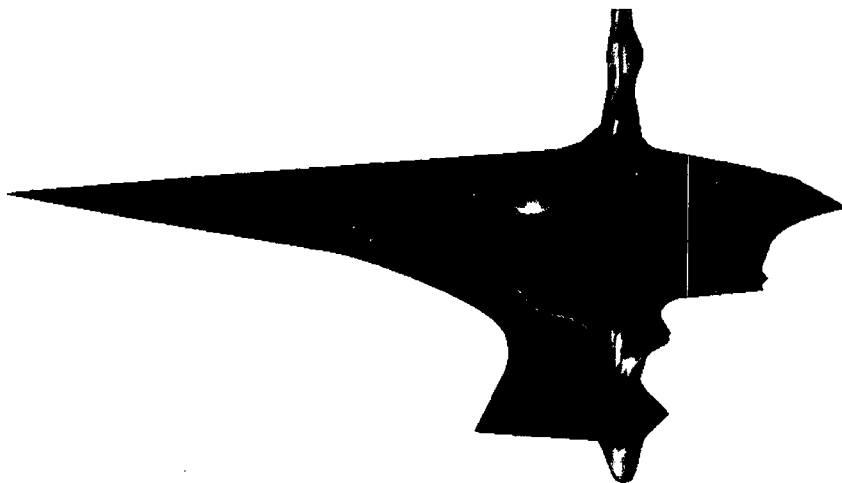
Brine Well No: 1

Hobbs, New Mexico

First SOCON Sonar Well Services Survey

02/05/2009

093013



SOCON Sonar Well Services, Inc.

11133 I-45 South, Ste. E

Conroe, Texas 77302

Phone (936) 441-5801

Fax (936) 539-6847

e-mail: soconusa@socon.com



SOCON Sonar Well Services, Inc.

Brine Well No: 1

093013

02/05/2009

**Results of the Cavern Survey
by means of Echo-Sounding
in the cavern**

Brine Well No: 1

Date: 02/05/2009

093013

Customer:

Salty Dog Inc.

Lubbock, Texas

Responsible for the survey:

Surveyor:	HL Van Metre
Leadership:	Mr. James Millet
Interpreter:	HL Van Metre
Control:	Mr. Richard Lawrence



SOCON Sonar Well Services, Inc.

Brine Well No: 1

093013

02/05/2009

Contents

Summary of results

Legend

Enclosures:

Volume (diagrams and lists)

Diameter and radii (diagrams and lists)

Perspective views

Maximum plots (top view)

Horizontal sections

Maximum plot (side view)

Vertical sections



Summary of results

Well details

All depths are given as: MD

Datum level for all depths: surface

Shoe of the cemented 5-1/2" - casing: 1871.0 ft

Reference depth for ECHO-LOG: 1871.0 ft

Depth correction: 0.0 ft

Pressure at the well head: 0.0 psi

Details of survey equipment

Measuring vehicle used: Grey Wireline

Tools used: XN02 – R185

General details

Number of runs: 1

Measured horizontal sections: 18

Measured tilted sections: 0

Lowest survey depth: 1903.0 ft



Maximum and minimum dimensions with ref. to the measuring axis

Reference direction:

magnetic north

Determination out of 12 vertical sections derived from horizontally and tilted measured data at 15 degree intervals:

Minimum radius: 0.0 ft
Depth: 1903.1 ft
Direction: 0°

Maximum radius: 38.2 ft
Depth: 1882.0 ft
Direction: 195°

Highest point of cavern: 1871.0 ft
Horizontal distance: 0.6 ft
Direction: 0°

Lowest point of cavern: 1903.1 ft
horizontal distance: 0.0 ft
Direction: 0°

Lowest point in the measuring axis: 1903.1 ft

Determination out of 18 horizontal sections in the depths between 1871 feet and 1903 feet at 5 degree intervals:

Maximum radius: 41.0 ft
Depth: 1882.0 ft
Direction: 200°

Maximum diameter: 52.1 ft
Depth: 1882.0 ft
Direction: 20 - 200°

Volume

Volume: 720.0 Bbls

Depth range: 1871.0 ft <--> 1903.0 ft



Interpretation

Supposing a rectilinear propagation of ultrasonic waves all recorded echo travel times were converted into distances by using the subsequent speeds of sound:

5020 feet/second to 5020 feet/second in brine (measured)

In the case of recording several echoes along one trace of echo signals, the representative echo signal was selected according to the level of amplitude, transmission time, and density of measured points and the shape of the cavern.

Horizontal sections

18 horizontal sections at following measured depths are included as graphical plots in this report:

1871.0 ft	1872.0 ft	1874.0 ft	1876.0 ft	1878.0 ft	1880.0 ft	1882.0 ft
1884.0 ft	1886.0 ft	1888.0 ft	1890.0 ft	1892.0 ft	1894.0 ft	1896.0 ft
1898.0 ft	1900.0 ft	1902.0 ft	1903.0 ft			

Tilted sections

0 sections recorded with tilted echo-transducer at following measured depths are presented in the vertical sections:

Vertical sections

The shape of the cavern was determined by interpretation of all horizontally and tilted measured data and is presented by 36 vertical sections in this report.



Maximum plots (top view)

The maximum plot presents the largest extension of the cavern in a top view. The first picture shows the areas of all horizontal sections and the area resulting out of the vertical sections (hatched). The resulting total area is shown in the second picture (cross hatching) together with the largest single area.

In both pictures the total centre of gravity of the cavern is shown with its distance and its direction referring to the measuring axis.

The total centre of gravity is derived out of the envelope, which is the connection line of the largest cavern extension in every direction

Perspective views

Several perspective drawings are included in this report to give a quick review of detailed relations.

Pockets in the cavern wall

Pockets in the cavern wall, which have been identified by the tilted echo-transducer, were transferred from the vertical sections to the respective horizontal sections.

The resulting additional areas have been added to the calculated areas.



SOCON Sonar Well Services, Inc.

Brine Well No: 1

093013

02/05/2009

LEGEND

- Measured point recorded with horizontal adjusted ultrasonic transducer
- Measured point recorded with tilted or vertical orientated ultrasonic transducer
- △ Interpolated point derived from the vertical sections
- Connection line between two measured points in order to calculate the volume
- Assumed connection line (in areas which are not sufficiently covered by measured points)
- N Magnetic north determined with compass inside the tool
(Magnetic compass in areas without tubing)
(Fibre gyro compass in areas with tubing)
- (N) Assumed north direction (for sections in magnetic disturbed surroundings without fibre gyro compass)
- a Longest extension in section
(Without considering of hidden leached pockets)
- b Longest extension in section perpendicular to a
(Without considering of hidden leached pockets)
- a/b Ratio of longest extensions in section which are perpendicular to each other
- (xx m²) Area in actual section resulting from hidden leached pockets
- r~ Average radius

021835 29.04 2002 Job number and survey date

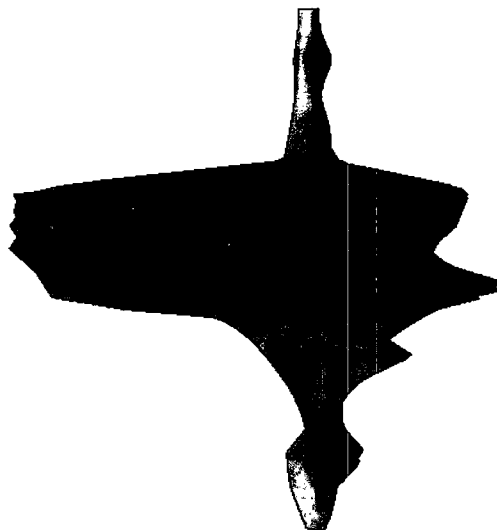


SOCON Sonar Well Services, Inc.

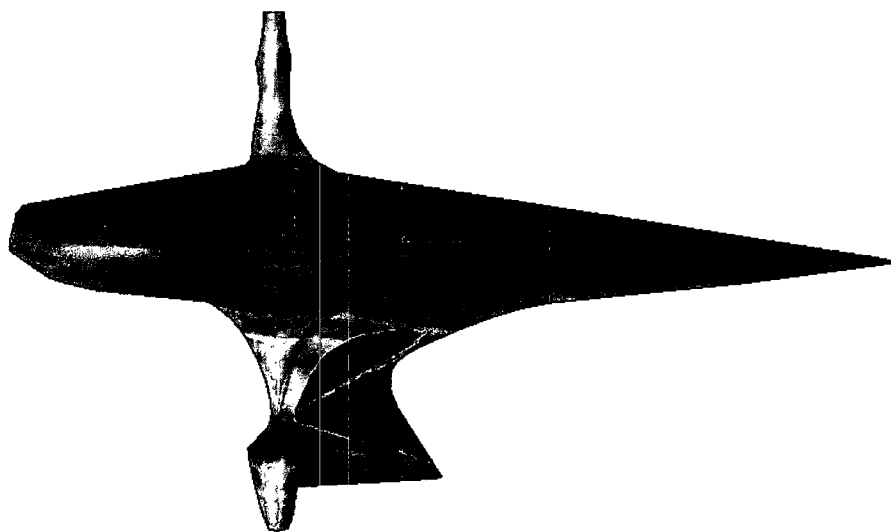
Brine Well No: 1

093013

02/05/2009



Brine Well No: 1 --> 0° <--



Brine Well No: 1 --> 60° <--

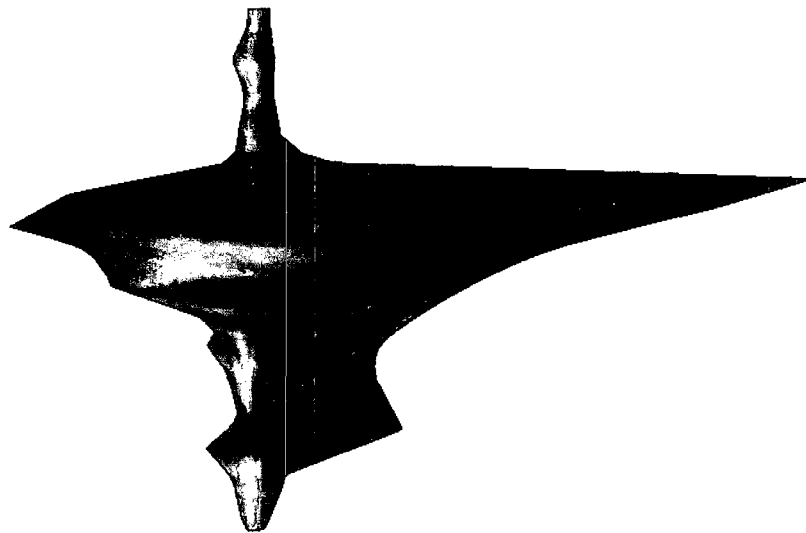


SOCON Sonar Well Services, Inc.

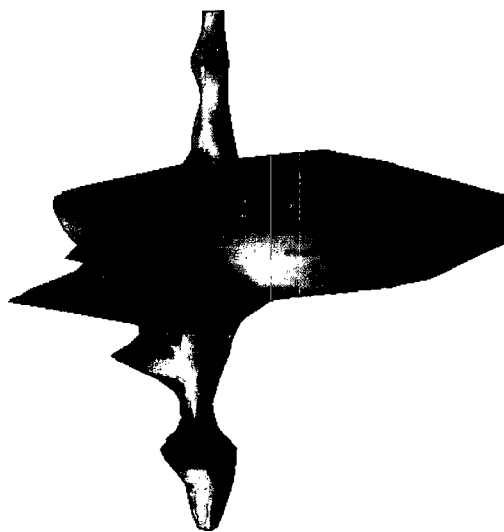
Brine Well No: 1

093013

02/05/2009



Brine Well No: 1 --> 120° <--



Brine Well No: 1 --> 180° <--

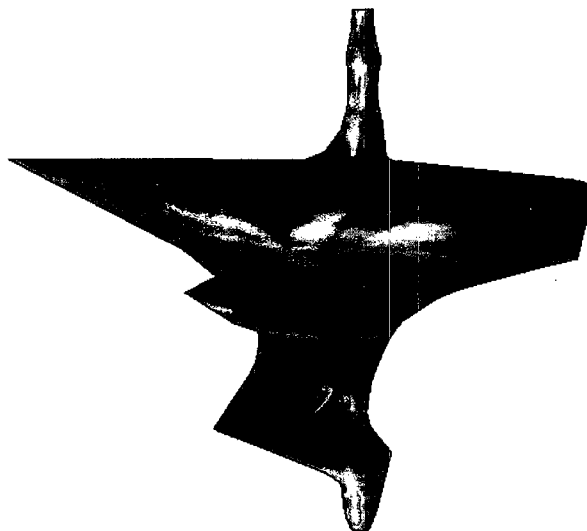


SOCON Sonar Well Services, Inc.

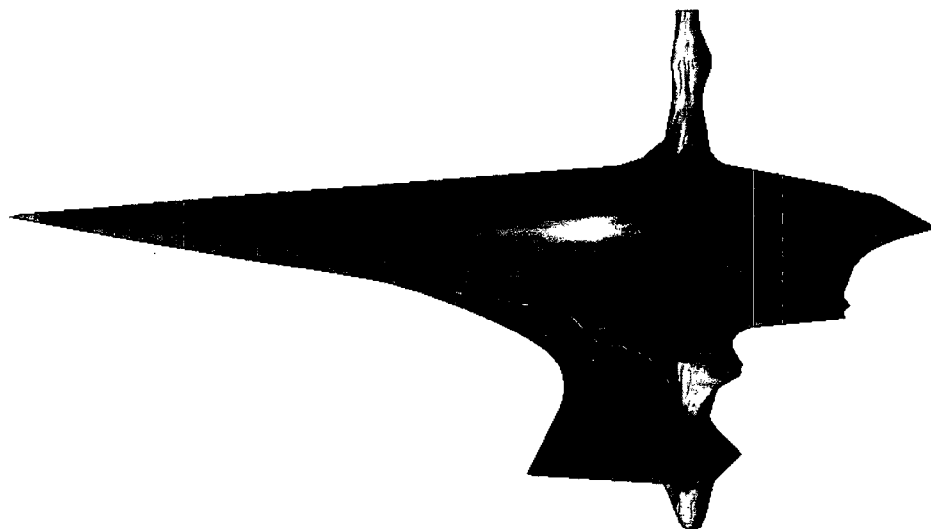
Brine Well No: 1

093013

02/05/2009



Brine Well No: 1 --> 240° <--



Brine Well No: 1 --> 300° <--

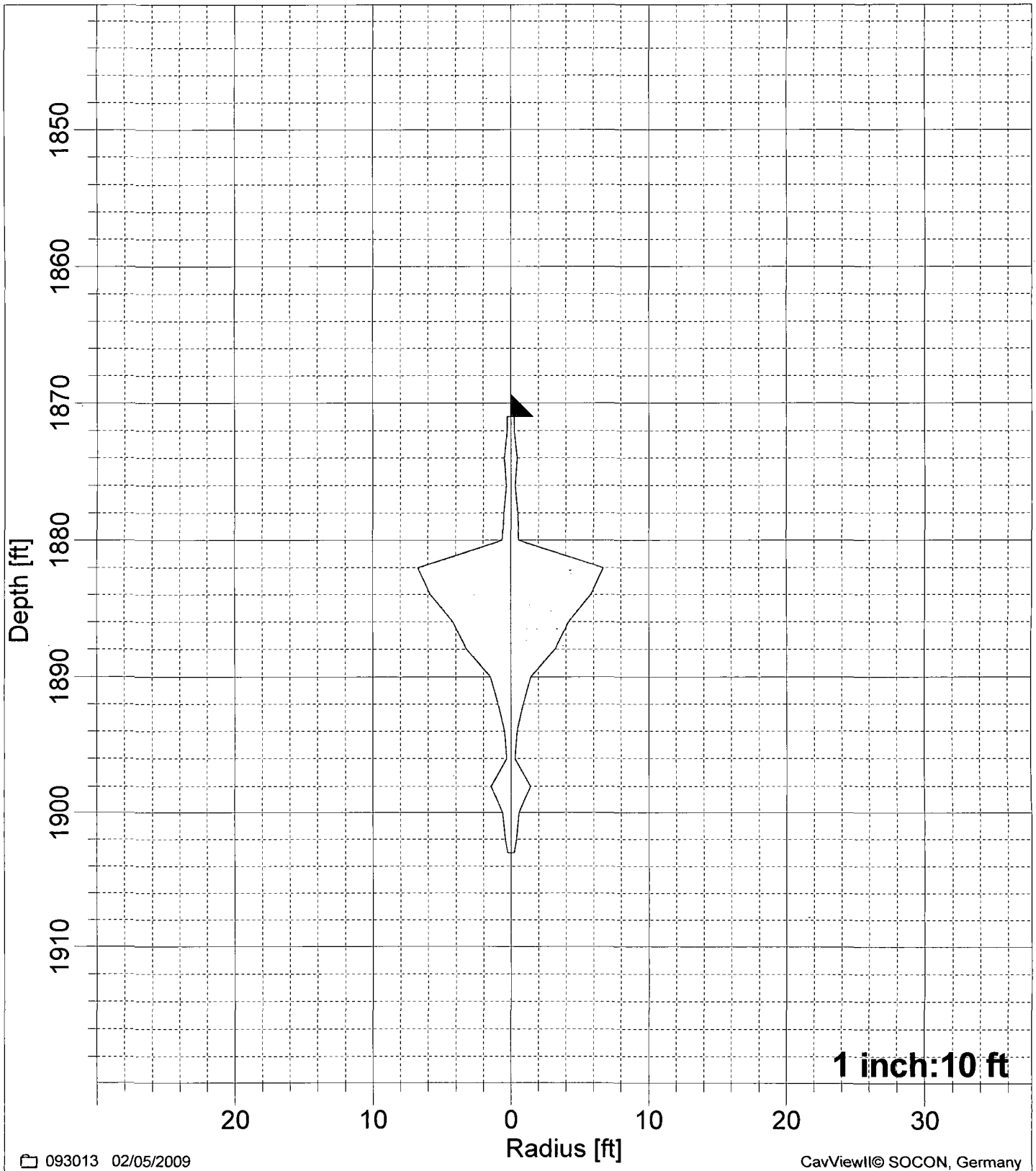


SOCON Sonar Well Services, Inc.

Brine Well No: 1

AVERAGE RADIUS

02/05/2009



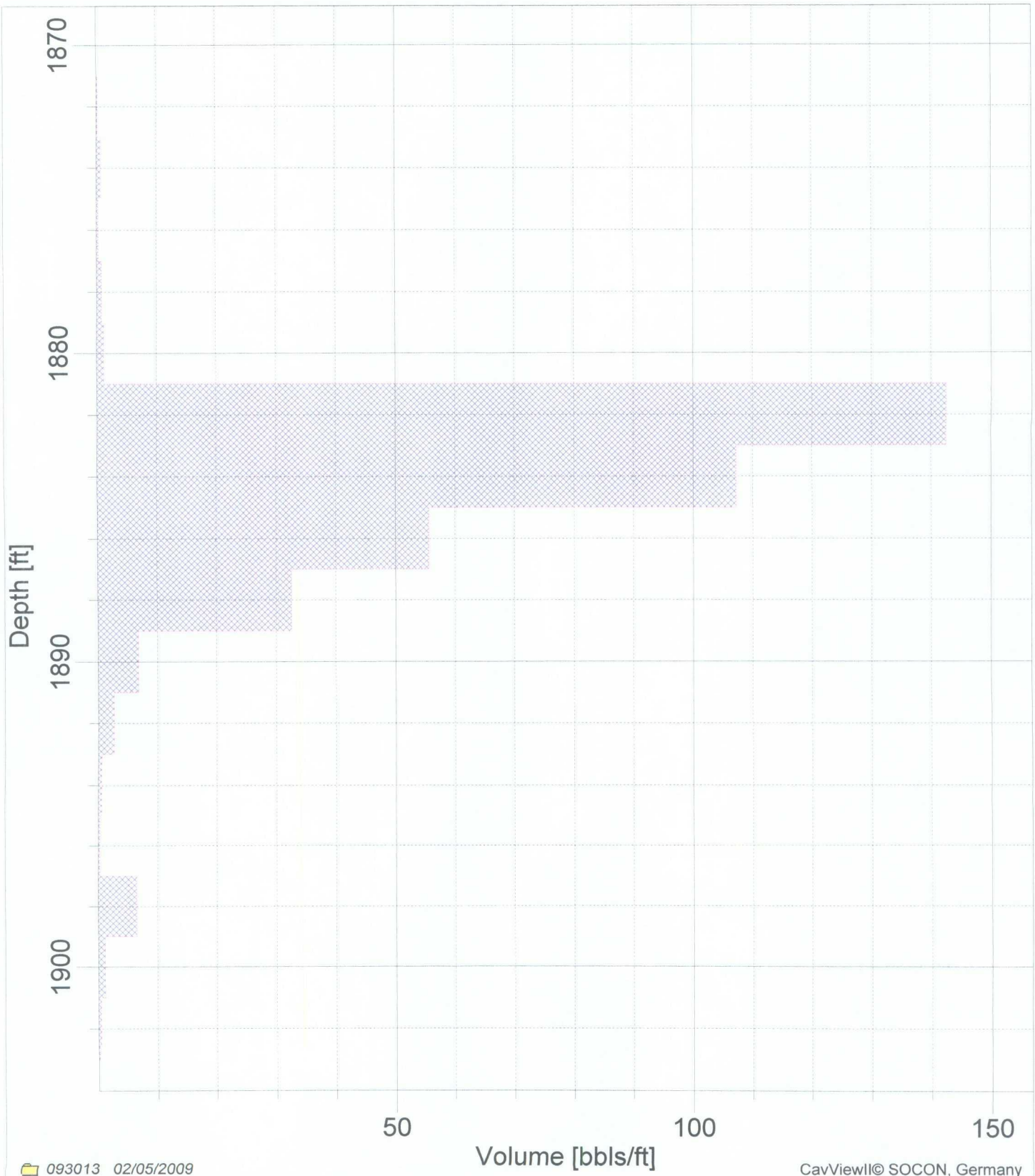
5-1/2" : 1871.0 ft

Average radius (02/05/2009)

Brine Well No: 1

PARTIAL VOLUME

02/05/2009



Partial volume



SOCON Sonar Well Services, Inc.

Volume list

Brine Well No: 1

093013

02/05/2009

Depth [ft]	Radius [ft]	Area [ft ²]	Depth range [ft]		Volume [bbls]	
			from	to	partial	total
1871.0	0.6	1	1871.0	1871.5	0	0
1872.0	0.7	1	1871.5	1873.0	0	0
1874.0	1.1	4	1873.0	1875.0	1	2
1876.0	0.8	2	1875.0	1877.0	1	3
1878.0	1.2	5	1877.0	1879.0	2	4
1880.0	1.5	7	1879.0	1881.0	2	7
1882.0	16.0	800	1881.0	1883.0	285	292
1884.0	13.8	602	1883.0	1885.0	214	506
1886.0	10.0	312	1885.0	1887.0	111	617
1888.0	7.6	183	1887.0	1889.0	65	683
1890.0	3.5	38	1889.0	1891.0	14	696
1892.0	2.2	15	1891.0	1893.0	5	702
1894.0	1.1	4	1893.0	1895.0	1	703
1896.0	0.8	2	1895.0	1897.0	1	704
1898.0	3.4	37	1897.0	1899.0	13	717
1900.0	1.5	7	1899.0	1901.0	2	719
1902.0	1.0	3	1901.0	1902.5	1	720
1903.0	0.6	1	1902.5	1903.0	0	720

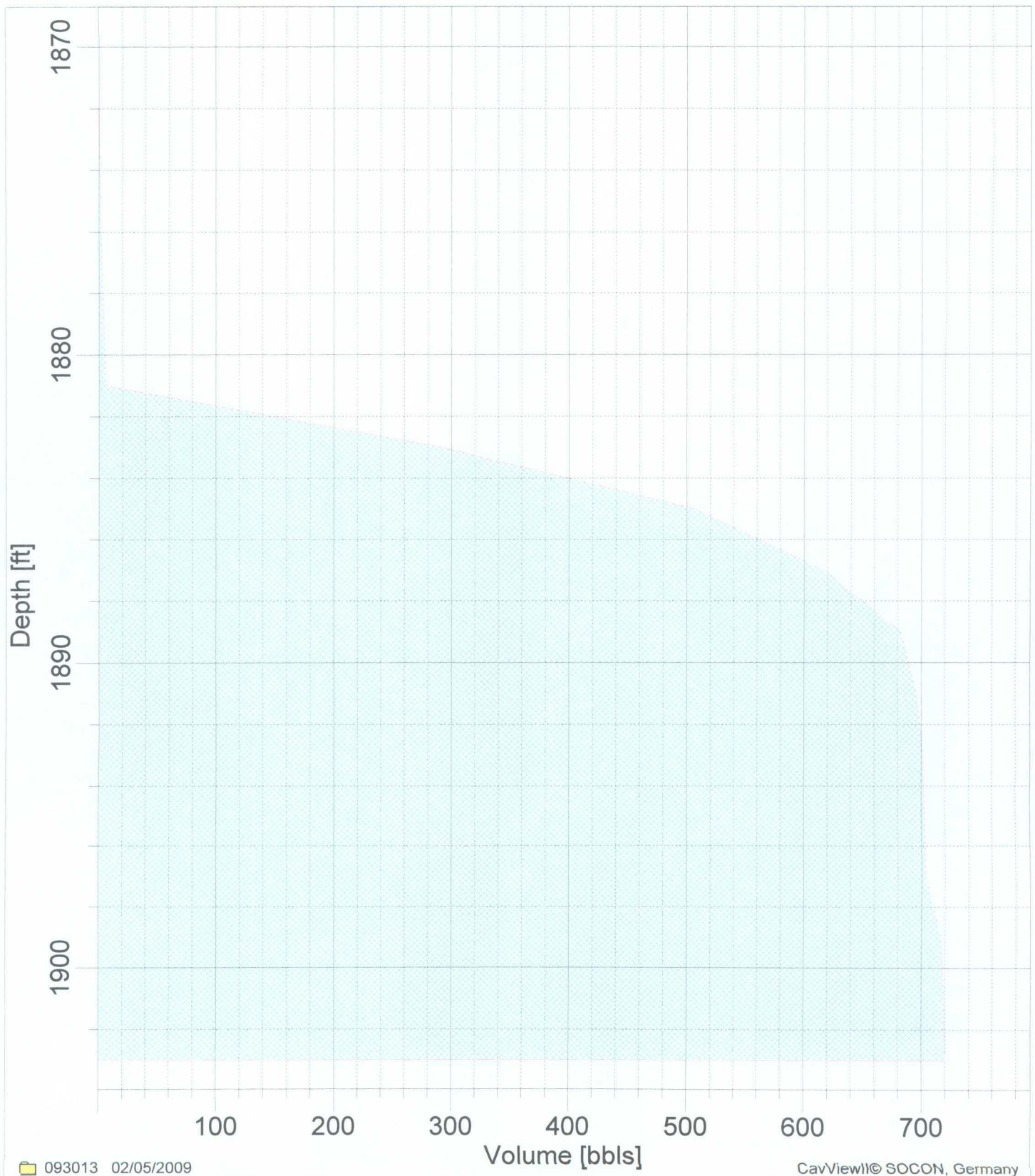


SOCON Sonar Well Services, Inc.

Brine Well No: 1

TOTAL VOLUME

02/05/2009



Total volume = 720.0 bbls



SOCON Sonar Well Services, Inc.

Table of volumes (foot by foot)

Job-No.: 093013, Name: Brine Well No: 1, Date: 02/05/2009

depth [ft]	volume [bbls]	depth [ft]	volume [bbls]	depth [ft]	volume [bbls]	depth [ft]	volume [bbls]	depth [ft]	volume [bbls]
		1871	0	1872	0	1873	0	1874	1
1875	2	1876	2	1877	3	1878	3	1879	4
1880	5	1881	7	1882	149	1883	292	1884	399
1885	506	1886	562	1887	617	1888	650	1889	683
1890	689	1891	696	1892	699	1893	702	1894	702
1895	703	1896	703	1897	704	1898	710	1899	717

1900	718	1901	719	1902	720	1903	720		

Brine Well No: 1 Report number: 093013 Date: 02/05/2009



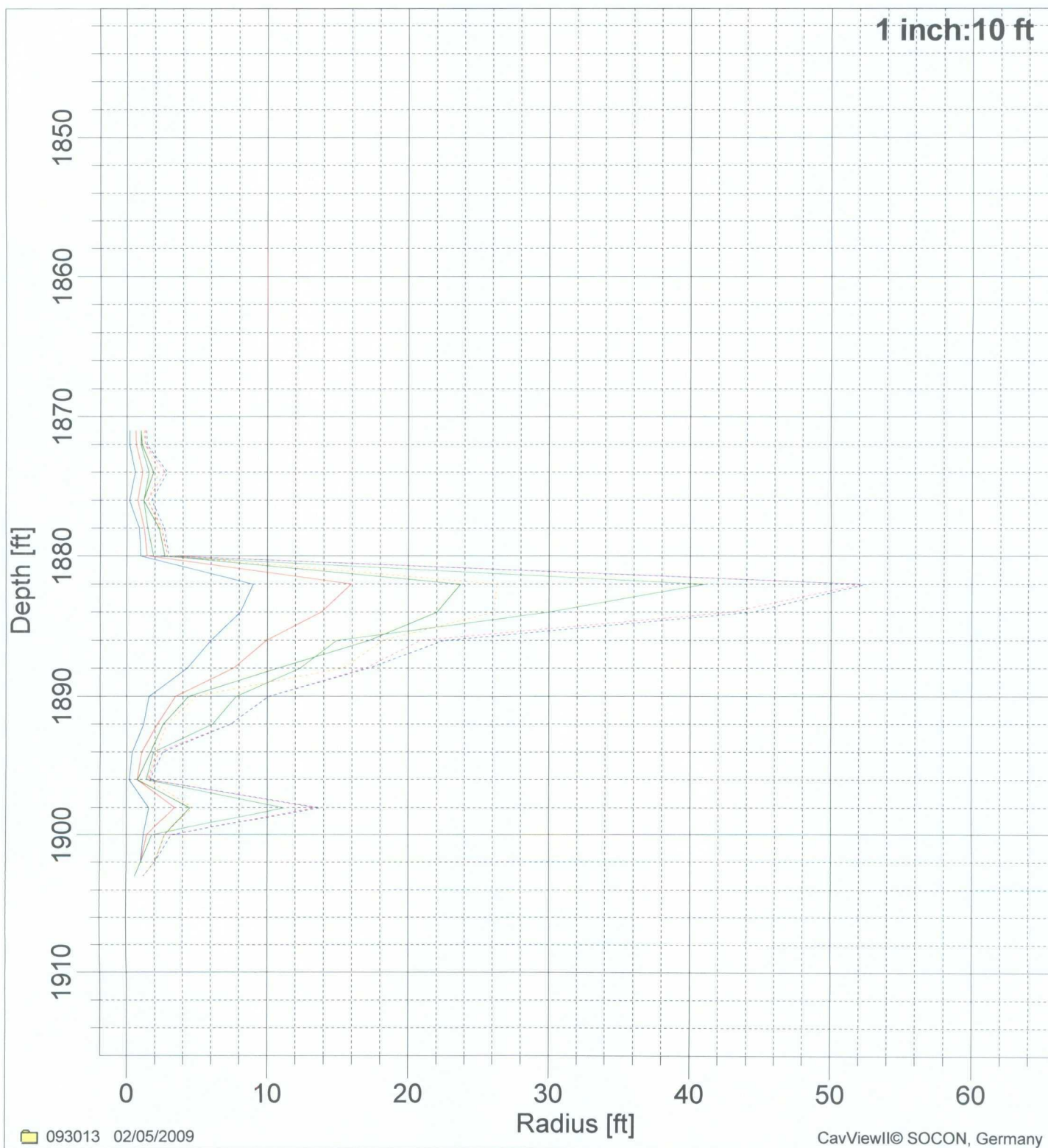
SOCON Sonar Well Services, Inc.

Brine Well No: 1

RADII / DIAMETERS

02/05/2009

1 inch:10 ft



Average radius

Minimum diameter

Largest perpendicular extension

Minimum radius

Maximum diameter

Maximum radius

Largest extension



SOCON Sonar Well Services, Inc.

Table of radii and diameters

Brine Well No: 1

093013

02/05/2009

Depth [ft]	Radius [MIN]		Radius [MAX]		Diameter [MIN]		[MAX]	
	[ft]	[°]	[ft]	[°]	[ft]	[°]	[ft]	[°]
1871.0	0.2	121	1.0	240	1.0	22 <-> 202	1.3	60 <-> 240
1872.0	0.2	76	1.0	240	1.1	173 <-> 353	1.3	45 <-> 225
1874.0	0.6	122	1.6	0	1.9	122 <-> 302	2.7	5 <-> 185
1876.0	0.2	110	1.2	235	1.2	167 <-> 347	1.5	45 <-> 225
1878.0	0.9	37	1.5	220	2.3	15 <-> 195	2.5	155 <-> 335
1880.0	1.0	72	1.9	255	2.7	165 <-> 345	2.9	45 <-> 225
1882.0	9.0	95	41.0	200	23.7	145 <-> 325	52.1	20 <-> 200
1884.0	8.1	117	29.9	195	22.0	65 <-> 245	43.0	20 <-> 200
1886.0	6.0	107	14.9	290	17.2	75 <-> 255	20.9	110 <-> 290
1888.0	4.3	292	12.3	75	10.7	15 <-> 195	17.0	75 <-> 255
1890.0	1.6	277	7.8	155	4.4	85 <-> 265	10.1	160 <-> 340
1892.0	1.2	2	6.1	100	2.6	2 <-> 182	7.4	100 <-> 280
1894.0	0.4	246	1.9	75	1.7	12 <-> 192	2.3	75 <-> 255
1896.0	0.2	216	1.4	80	0.8	19 <-> 199	1.6	95 <-> 275
1898.0	1.6	307	11.2	180	4.5	115 <-> 295	13.4	0 <-> 180
1900.0	1.2	117	1.8	220	2.7	122 <-> 302	3.2	40 <-> 220
1902.0	1.0	2	1.0	0	2.0	2 <-> 182	2.0	0 <-> 180
1903.0	0.6	2	0.6	0	1.2	2 <-> 182	1.2	0 <-> 180



Brine Well No: 1

093013

02/05/2009

[illegible]

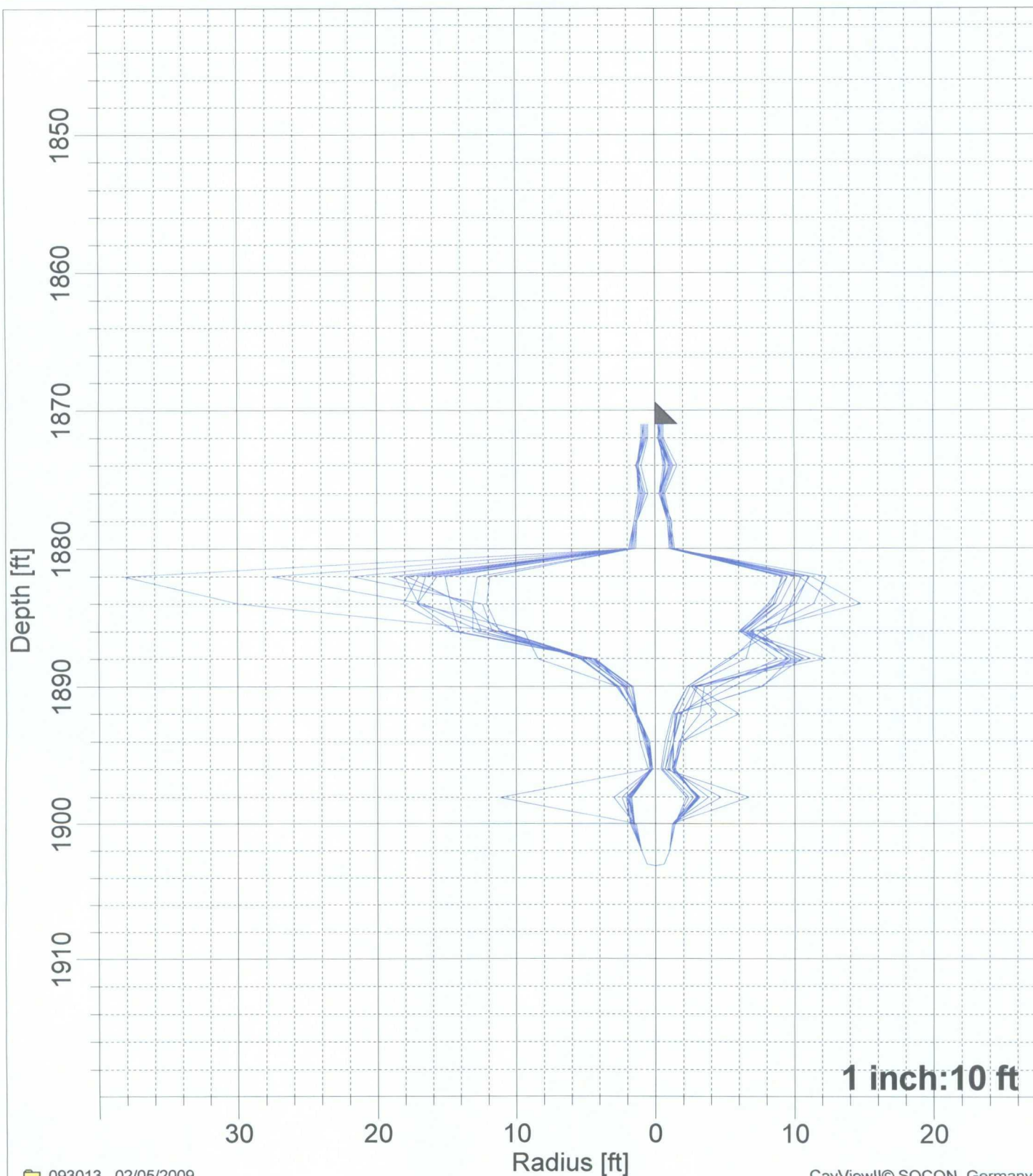


SOCON Sonar Well Services, Inc.

Brine Well No: 1

MAXPLOT

02/05/2009



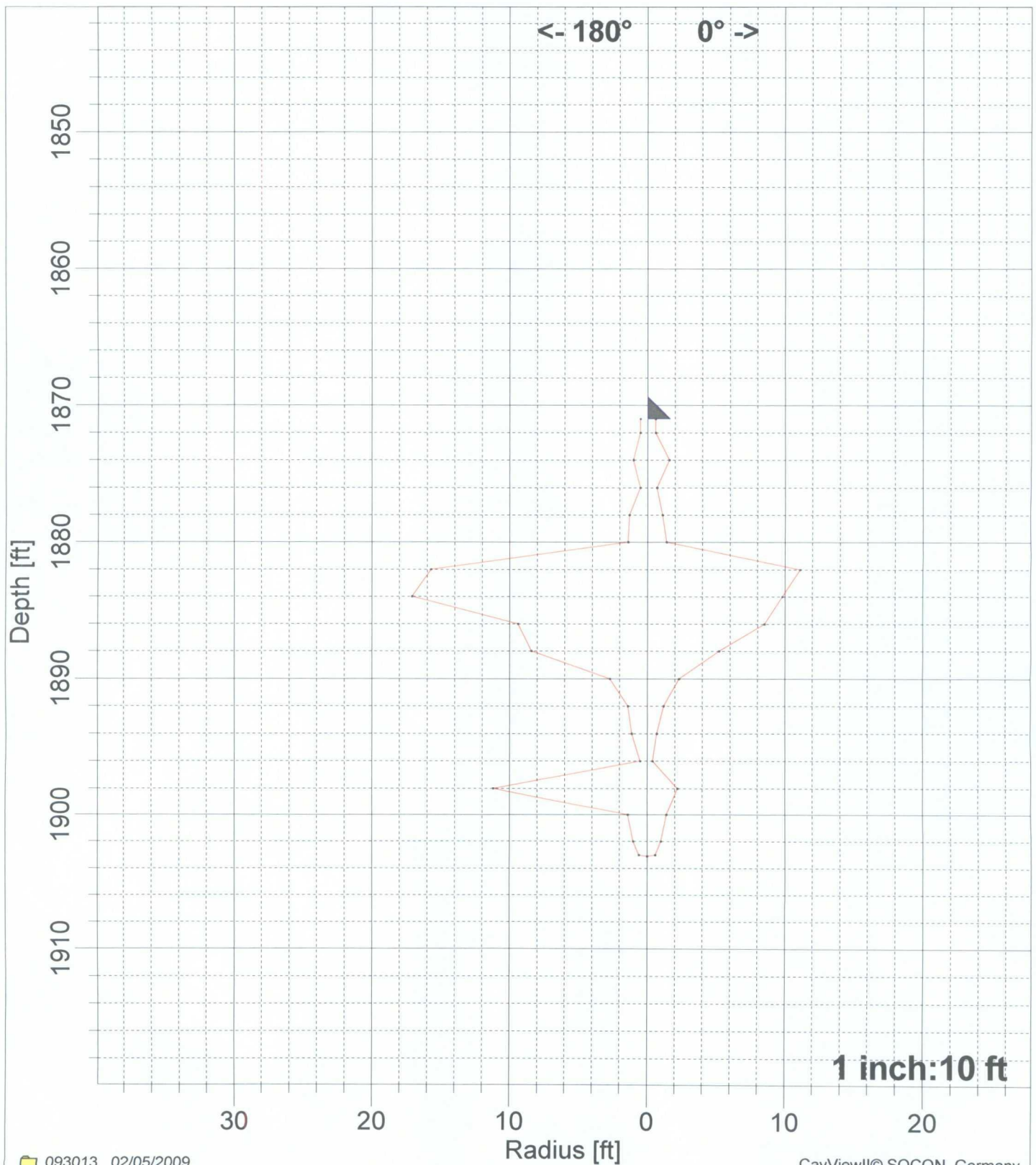
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



(02/05/2009)

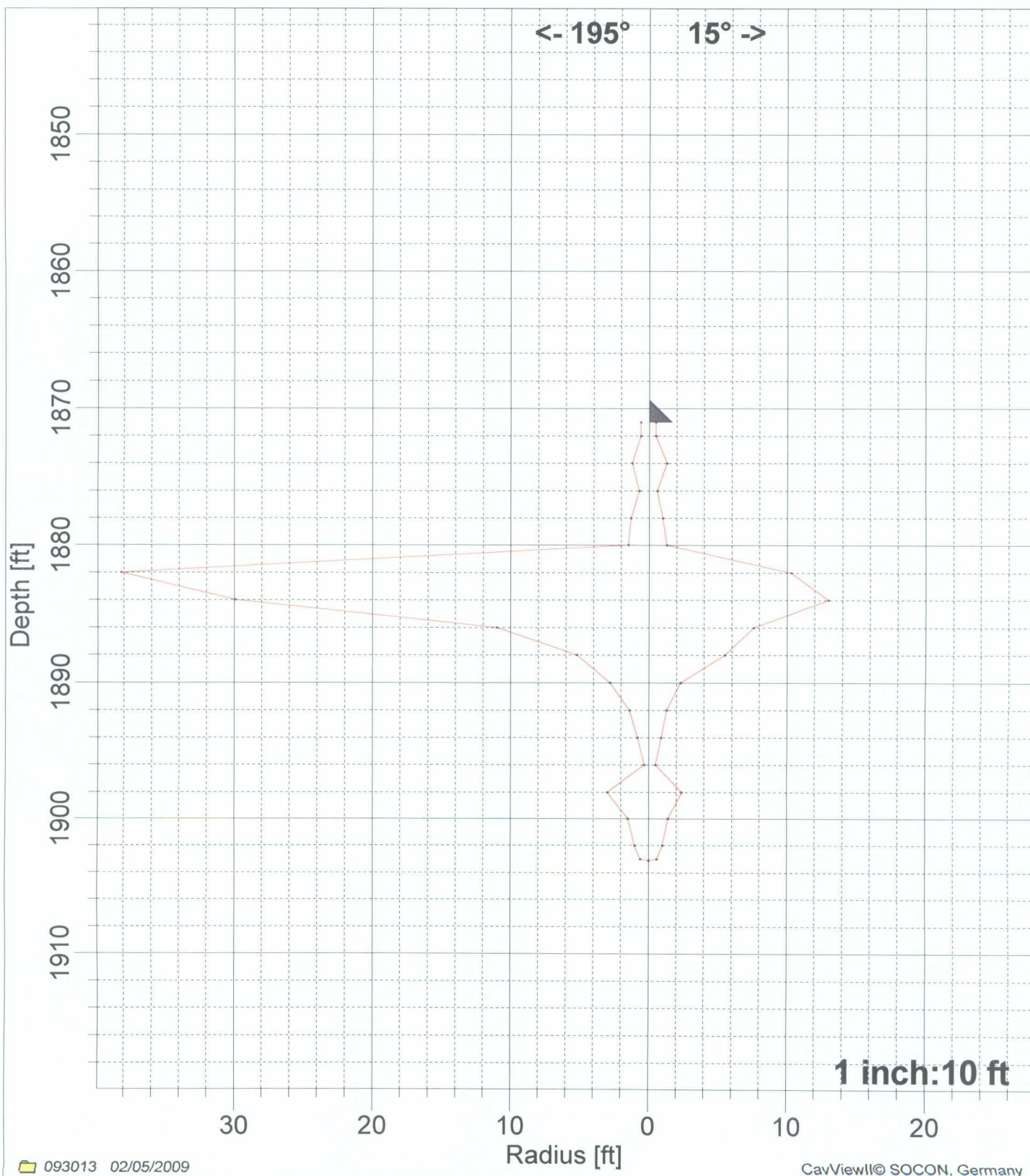
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



(02/05/2009)

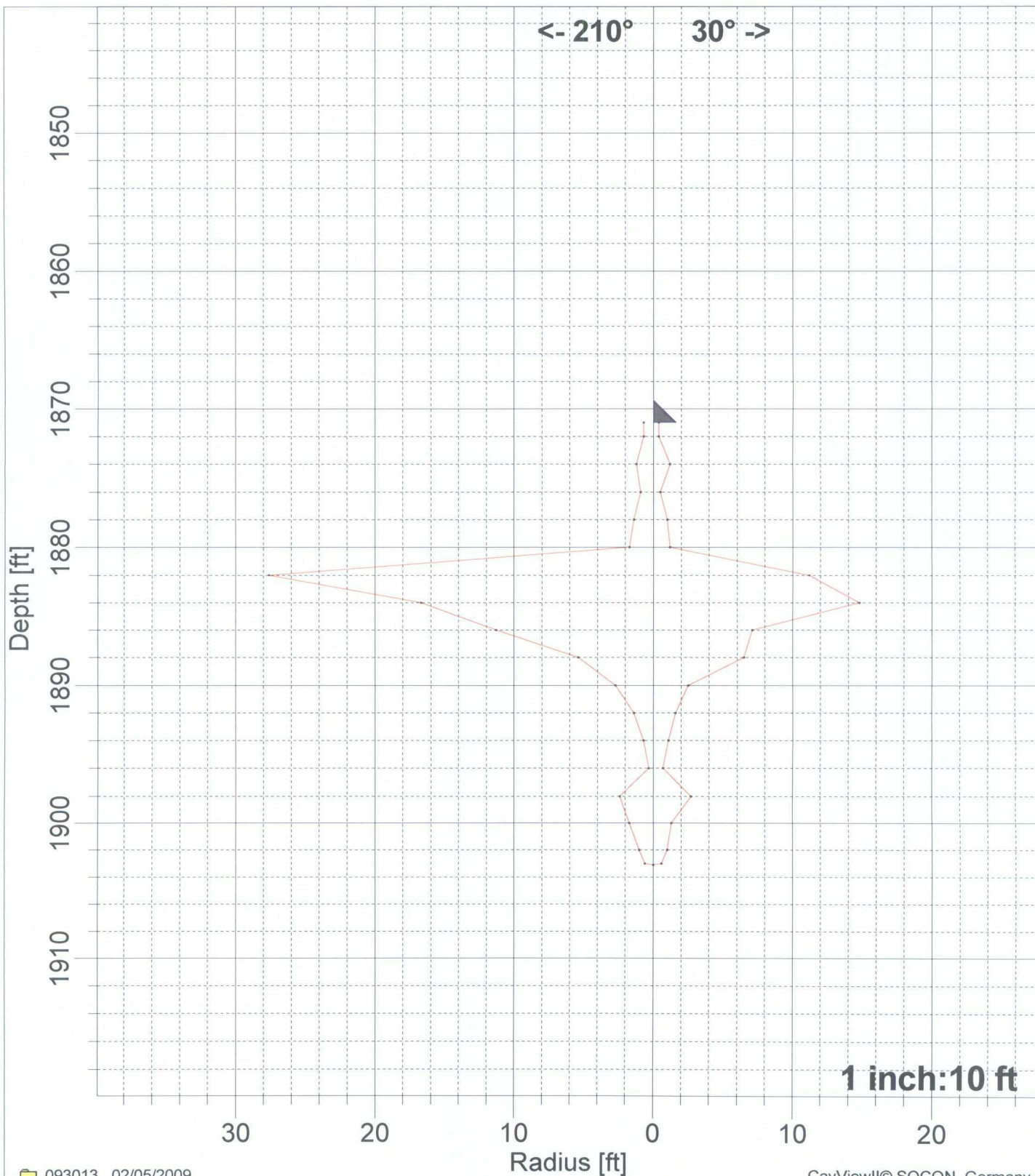
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



(02/05/2009)

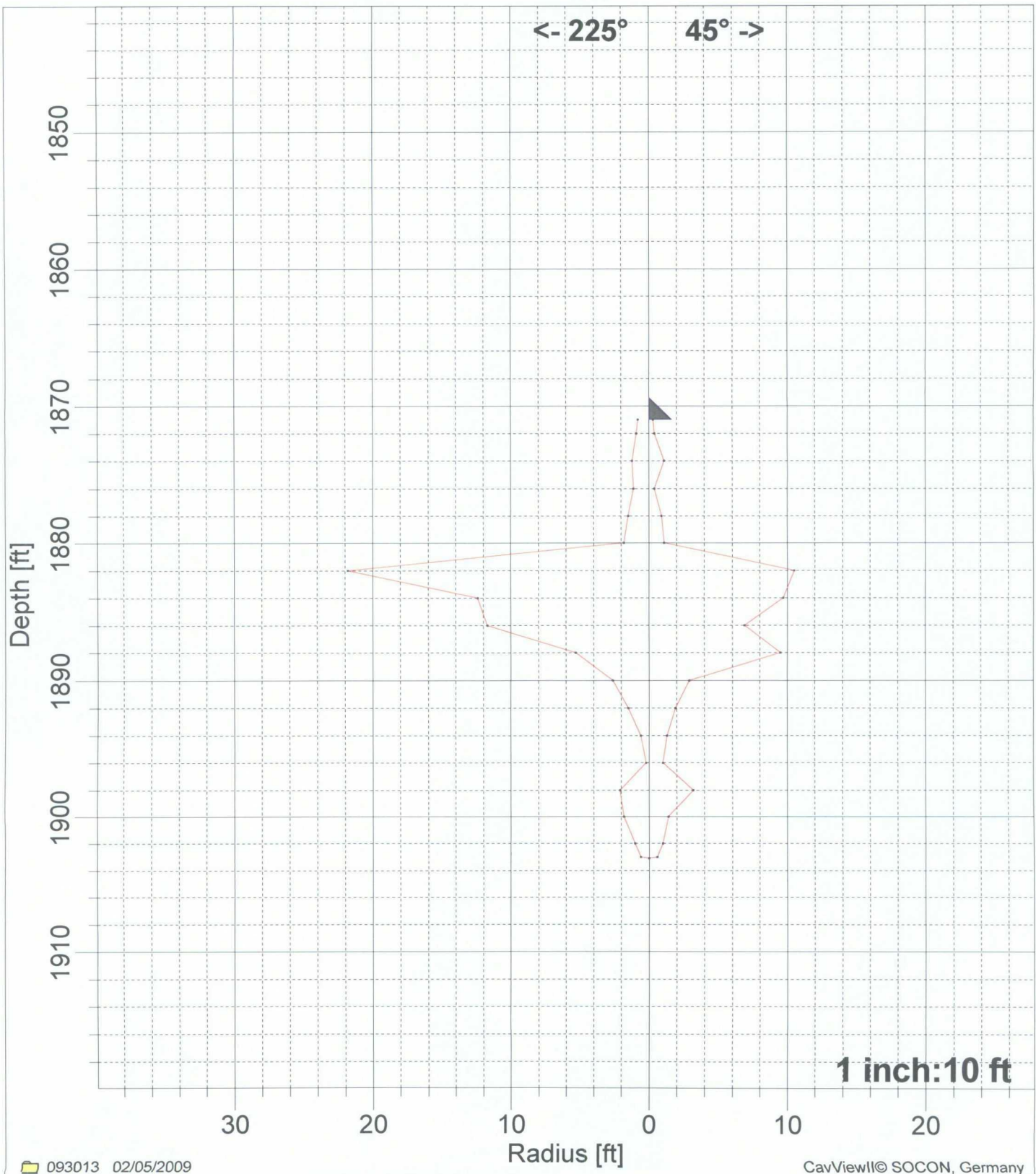
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009

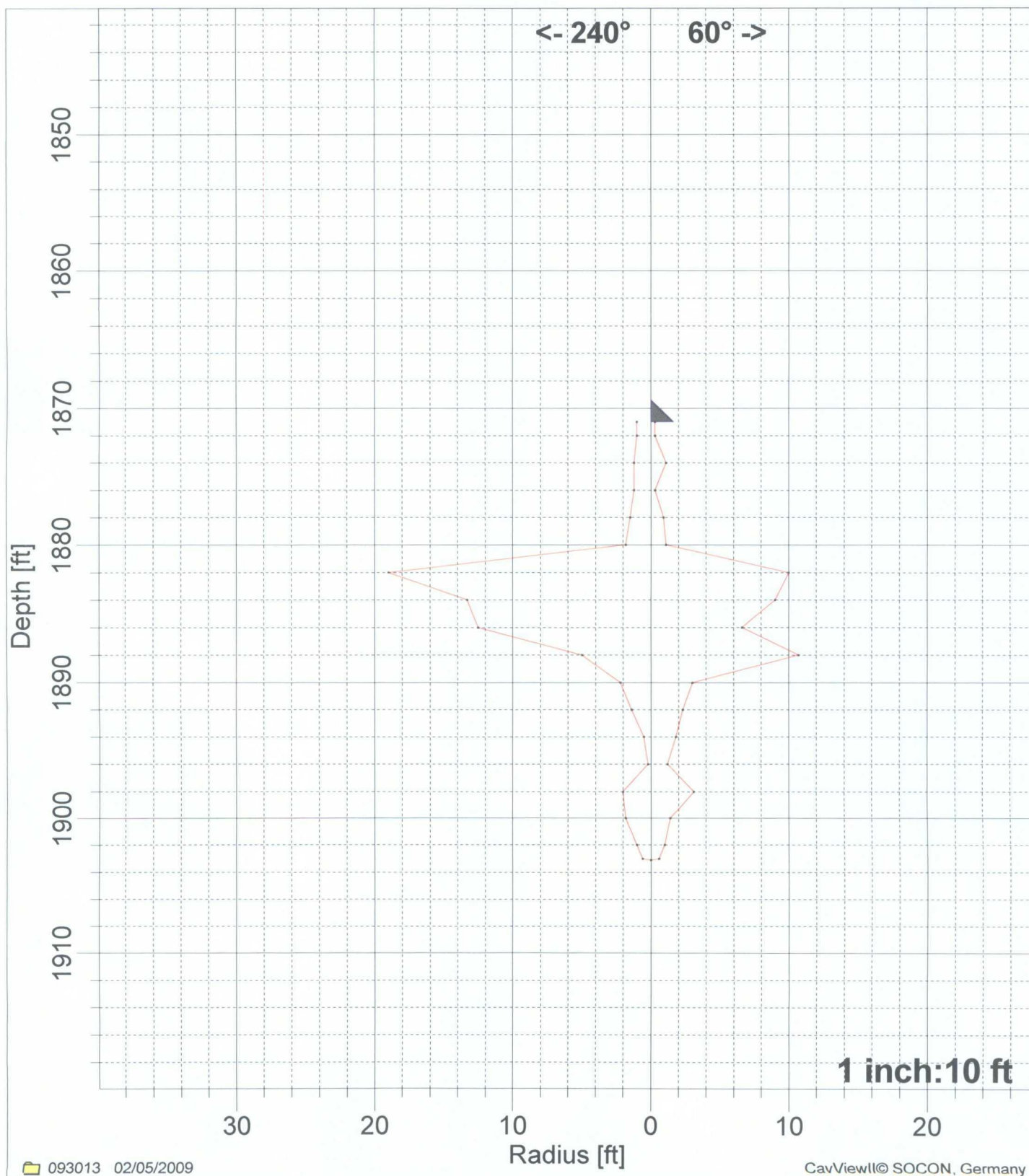




SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009

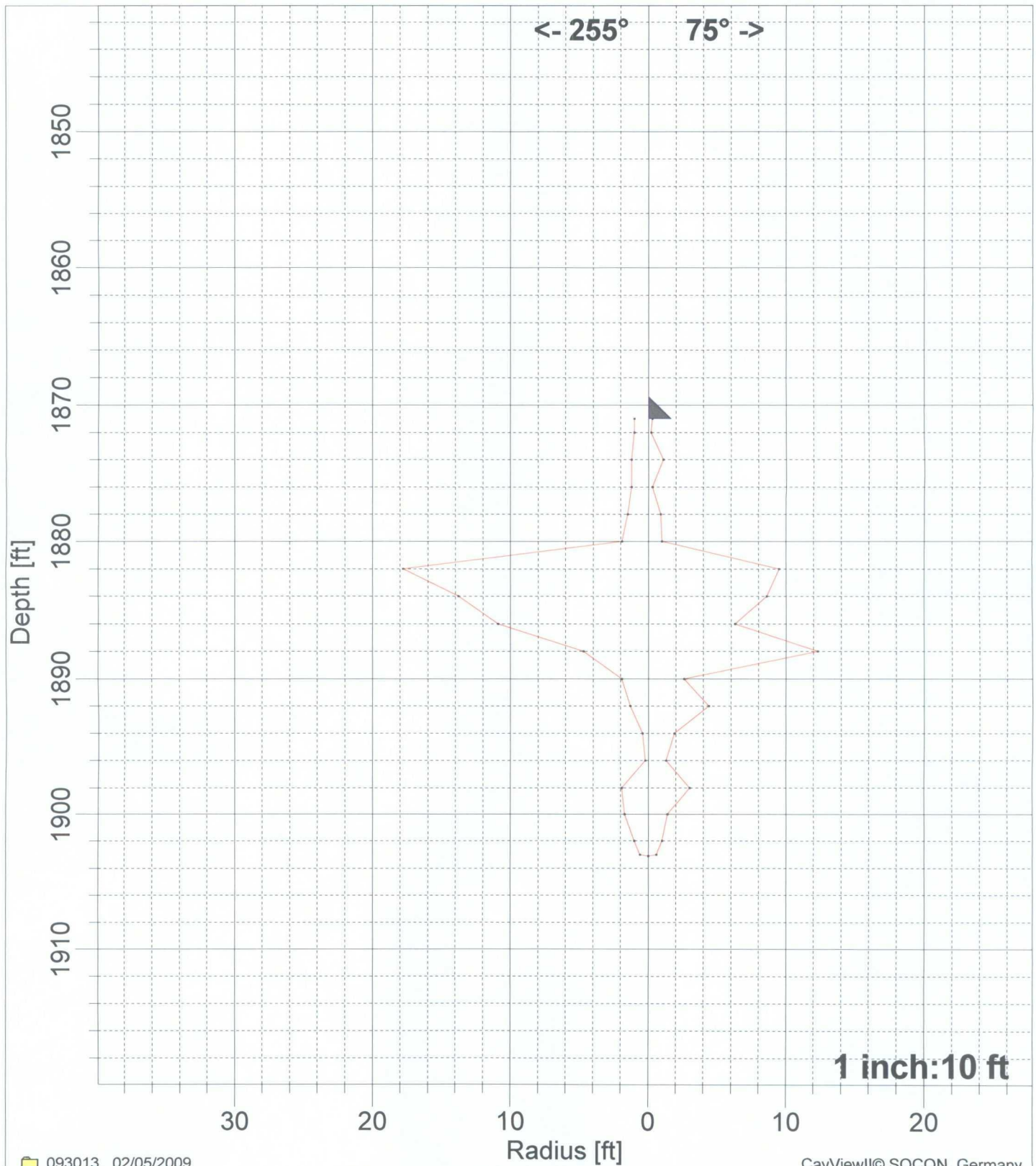




SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



093013 02/05/2009

CavViewII© SOCON, Germany

(02/05/2009)

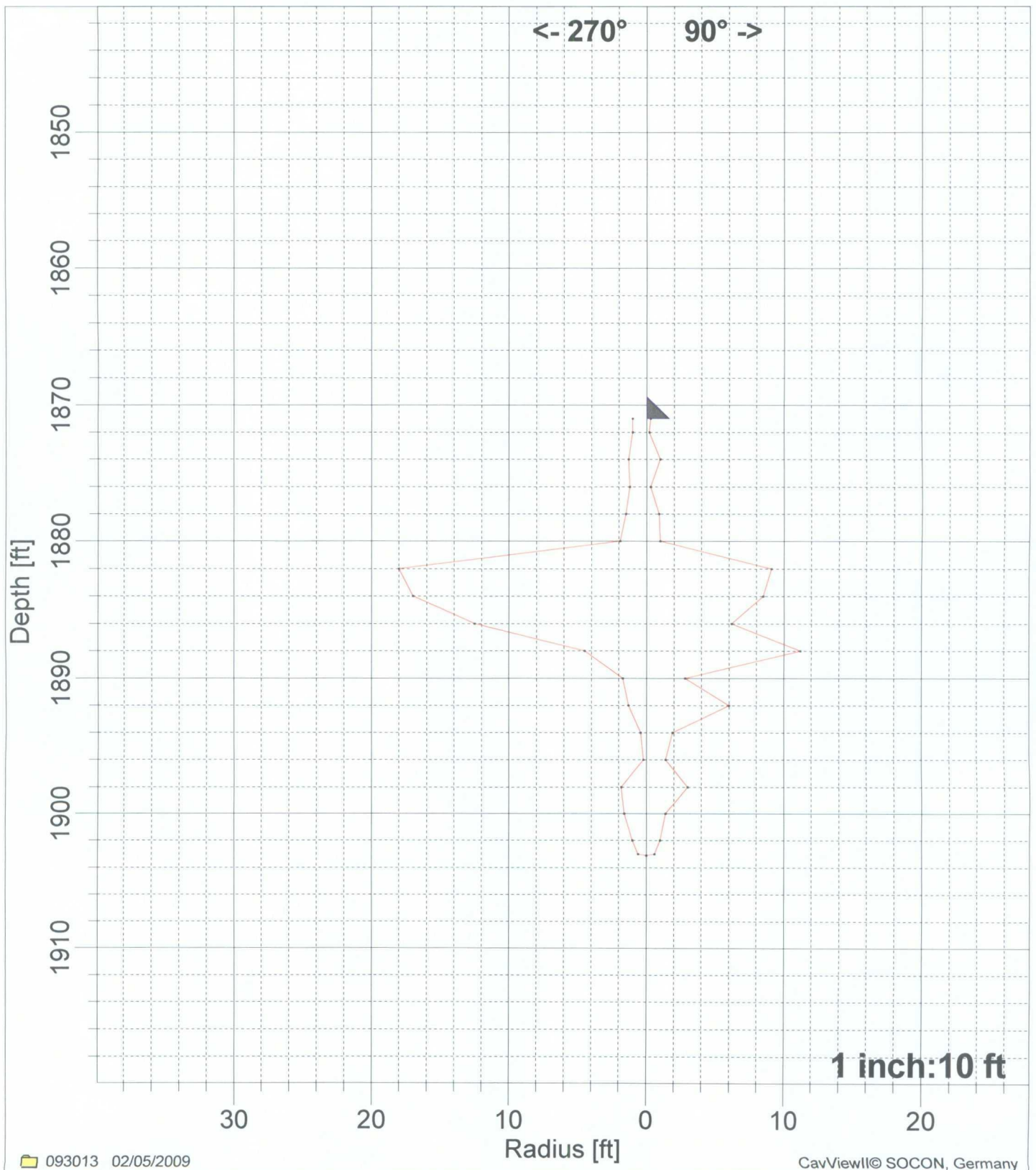
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009

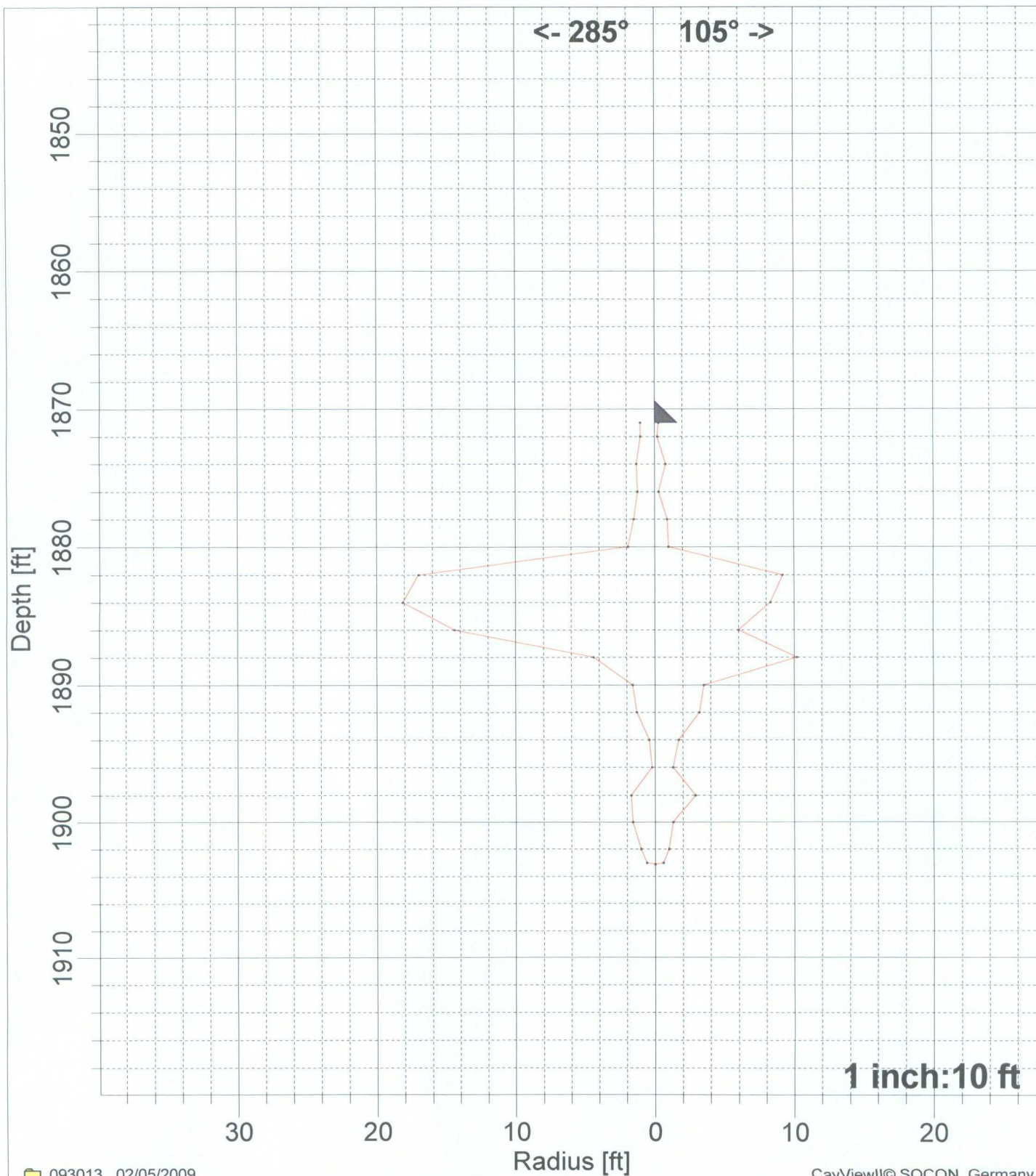




SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



(02/05/2009)

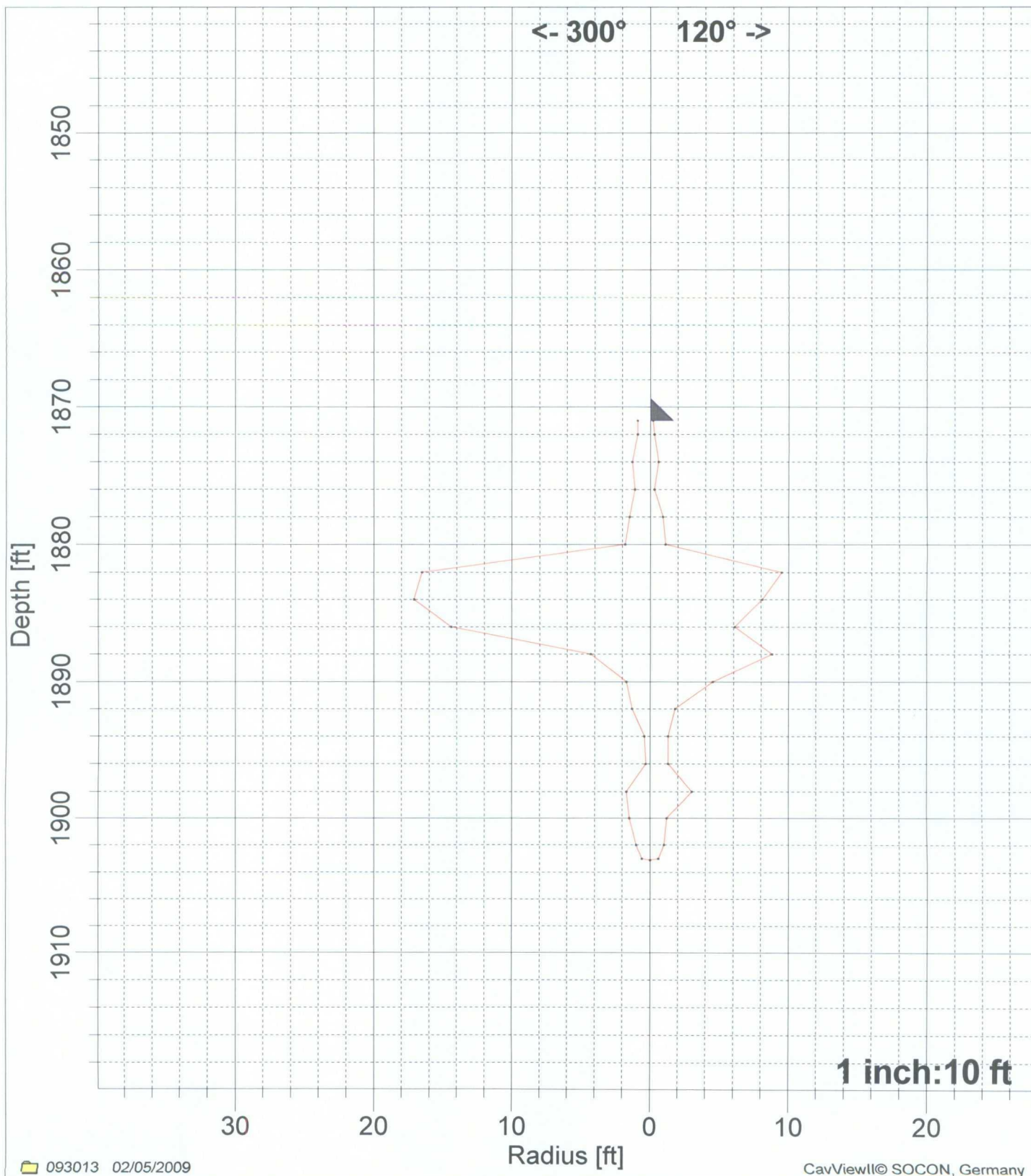
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009

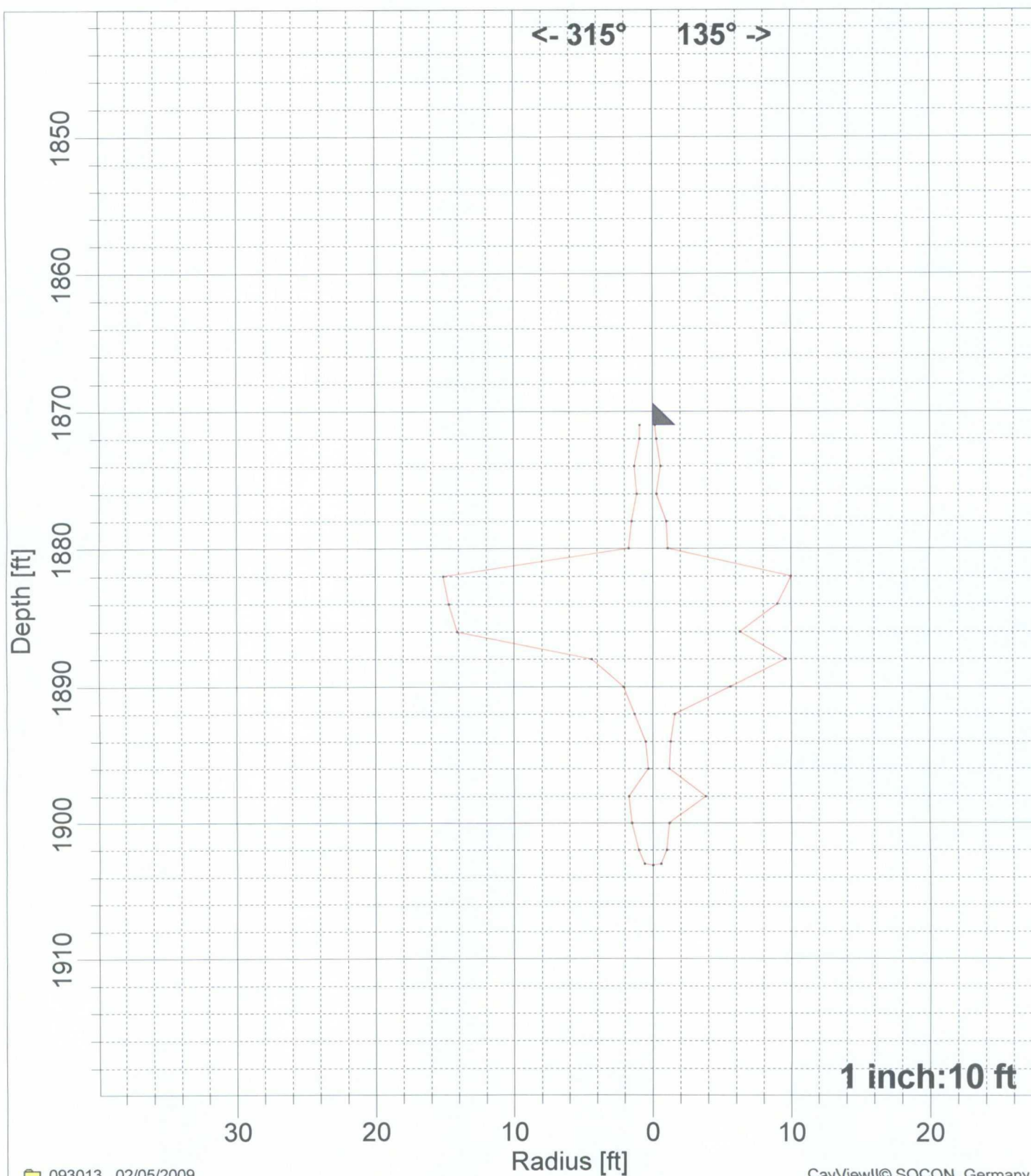




SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



(02/05/2009)

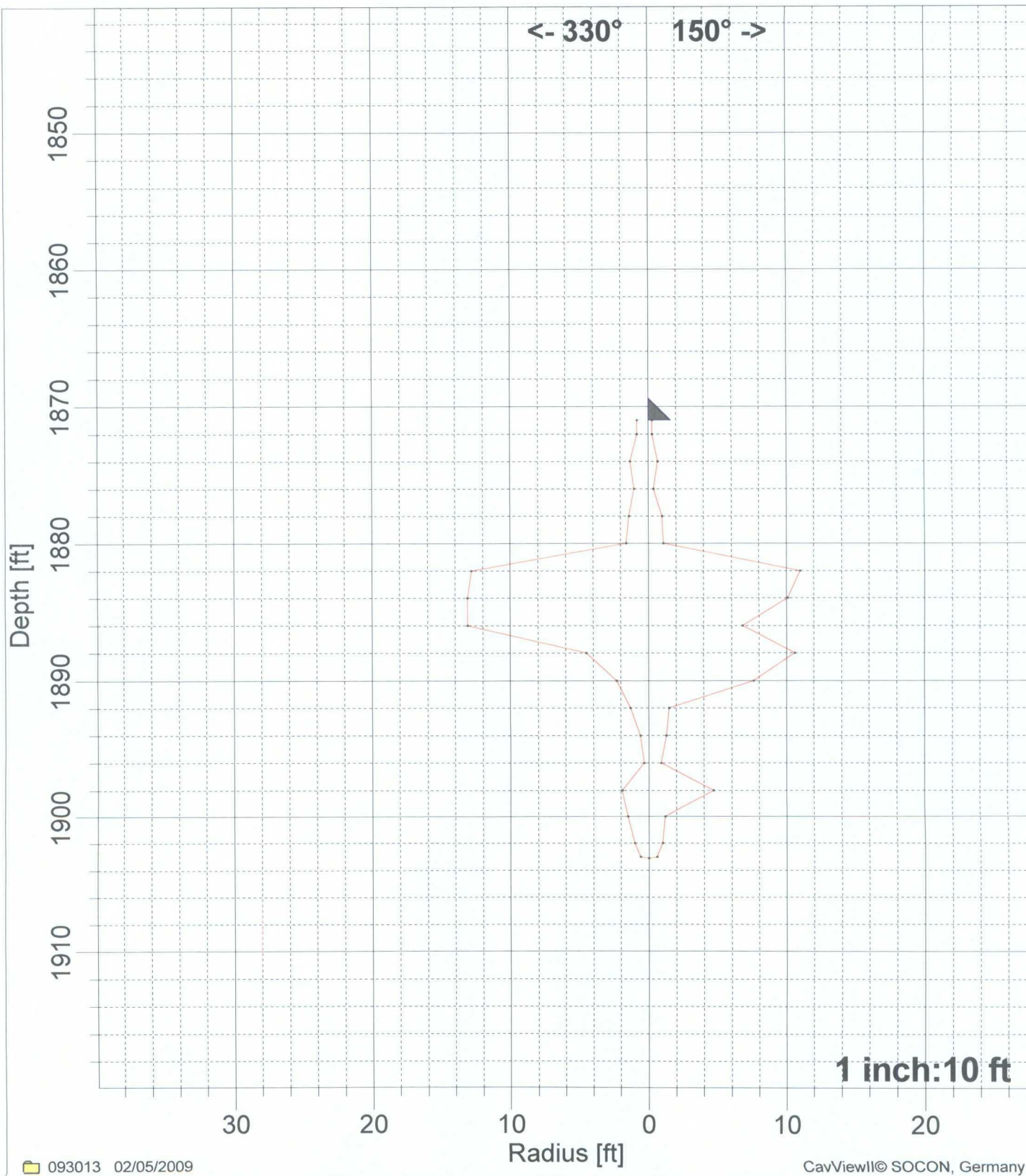
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



(02/05/2009)

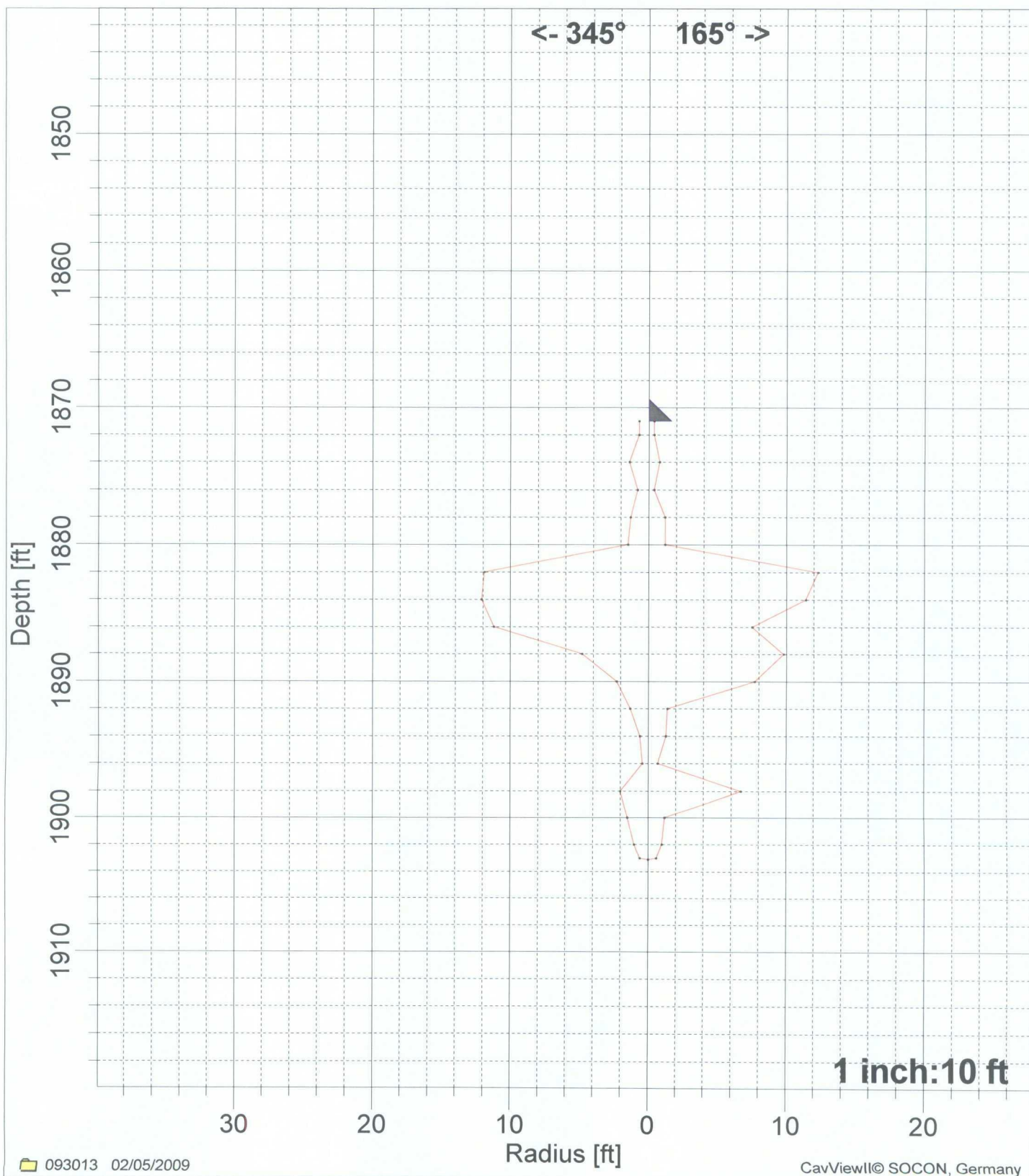
5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

02/05/2009



(02/05/2009)

5-1/2" : 1871.0 ft



SOCON Sonar Well Services, Inc.

Brine Well No: 1

093013

02/05/2009

HORIZONTAL SECTIONS

Brine Well No: 1

Report No.: 093013

Utilized speed of sound: 5020 ft/s to 5020 ft/s

Measuring date: 02/05/2009

Scale: 1: 10

Horizontal sections measured at following depths:

1871.0 ft	1872.0 ft	1874.0 ft	1876.0 ft	1878.0 ft	1880.0 ft	1882.0 ft
1884.0 ft	1886.0 ft	1888.0 ft	1890.0 ft	1892.0 ft	1894.0 ft	1896.0 ft
1898.0 ft	1900.0 ft	1902.0 ft	1903.0 ft			



MAXPLOT

02/05/2009



CavViewII© SOCON, Germany

Horizontal sections

a/b

$$a/b = 2.021 \quad a = 55.6 \text{ ft } (29^\circ\text{-}200^\circ) \quad b = 27.5 \text{ ft } (108^\circ\text{-}295^\circ)$$

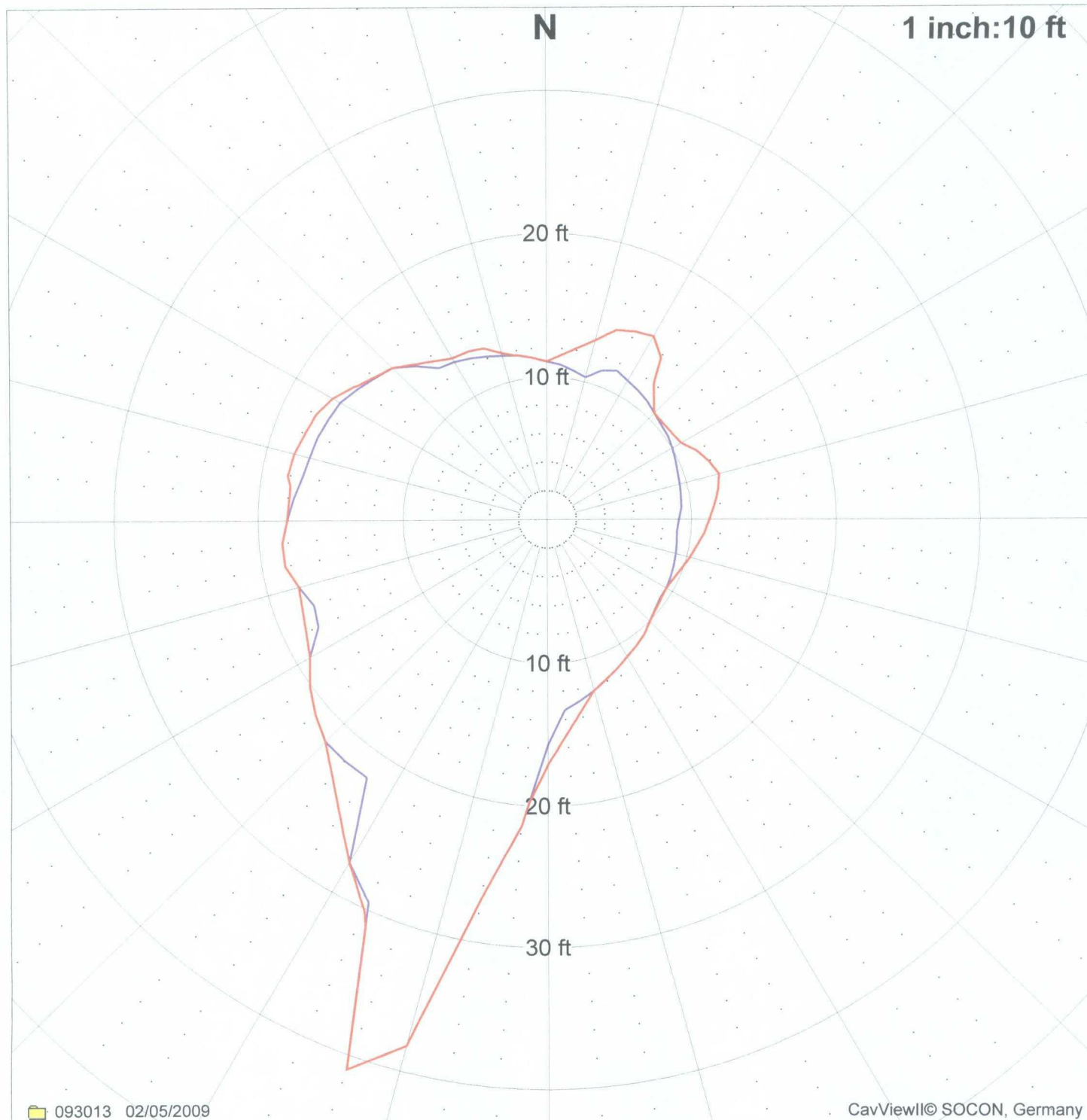
Area from vertical sections: 829 ft², Area from horizontal and vertical sections: 860 ft²

Brine Well No: 1

MAXPLOT

02/05/2009

1 inch:10 ft



a/b

— Horizontal/vertical maximum plot

— Largest single area

d_{max} : 55.1 ft $20^\circ \leftrightarrow 200^\circ$ r_{min} : 9.5 ft $\rightarrow 120^\circ$ $r_{\sim}$: 16.5 ft r_{max} : 41.0 ft $\rightarrow 200^\circ$

$a/b = 2.021$ $a = 55.6$ ft (29° - 200°) $b = 27.5$ ft (108° - 295°)

Largest single area: 800 ft² in depth: 1882.0 ft, Area from horizontal and vertical sections: 860 ft²



SOCON Sonar Well Services, Inc.

Table of radii

Brine Well No: 1

093013

2/5/2009

Depth: 1871.0 ft

[°]

Radii in [ft]

0	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3
50	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
100	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3
150	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6
200	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.9	1.0	1.0
250	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
300	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7
350	0.6	0.6								

Depth: 1872.0 ft

[°]

Radii in [ft]

0	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
50	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
100	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6
200	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0
250	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7
350	0.7	0.6								

Depth: 1874.0 ft

[°]

Radii in [ft]

0	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.1
50	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	0.9
100	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7
150	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.2	1.3	1.2
200	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
250	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
300	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
350	1.5	1.5								

Depth: 1876.0 ft

[°]

Radii in [ft]

0	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4
50	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
100	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
150	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.7
200	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2
250	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
300	1.1	1.1	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.8
350	0.8	0.8								



SOCON Sonar Well Services, Inc.

Table of radii

Brine Well No: 1

093013

2/5/2009

Depth: 1878.0 ft

[°]

Radii in [ft]

0	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9
50	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
100	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
150	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.3
200	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5
250	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
300	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3
350	1.2	1.2								

Depth: 1880.0 ft

[°]

Radii in [ft]

0	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1
50	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
150	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5
200	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8
250	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
300	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.5
350	1.5	1.4								

Depth: 1882.0 ft

[°]

Radii in [ft]

0	11.1	10.9	10.6	10.3	11.1	11.5	11.2	11.0	10.8	10.5
50	10.3	10.2	10.0	9.8	9.6	9.5	9.4	9.3	9.1	9.0
100	9.1	9.2	9.3	9.4	9.5	9.5	9.7	10.0	10.4	10.7
150	11.0	11.4	11.8	12.3	12.8	13.3	15.7	21.4	26.9	38.2
200	41.0	29.5	27.6	21.9	21.9	21.8	21.0	20.1	19.0	17.5
250	17.2	17.8	18.4	18.4	18.0	17.6	17.2	17.0	16.9	16.7
300	16.5	16.0	15.5	15.1	14.1	13.0	12.8	12.5	12.2	11.9
350	11.7	11.4								

Depth: 1884.0 ft

[°]

Radii in [ft]

0	9.8	9.0	10.2	13.0	14.1	14.5	14.8	13.8	11.0	9.7
50	9.5	9.2	9.0	8.8	8.7	8.6	8.6	8.5	8.5	8.4
100	8.4	8.3	8.2	8.1	8.1	8.4	8.7	9.0	9.3	9.6
150	10.1	10.5	10.9	11.4	11.8	13.5	17.1	20.7	24.9	29.9
200	28.9	24.9	16.7	11.7	12.0	12.4	13.3	13.5	13.3	13.2
250	13.4	13.8	14.2	14.6	17.0	17.6	18.2	18.1	17.8	17.6
300	17.1	16.3	15.4	14.7	13.9	13.3	13.1	13.0	12.8	12.1
350	11.3	10.5								



SOCON Sonar Well Services, Inc.

Table of radii

Brine Well No: 1

093013

2/5/2009

Depth: 1886.0 ft

[°]	Radii in [ft]									
0	8.5	7.7	7.6	7.6	7.5	7.3	7.1	7.0	6.9	6.9
50	6.8	6.8	6.6	6.5	6.4	6.3	6.2	6.2	6.2	6.1
100	6.1	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.4	6.6
150	6.8	7.0	7.1	7.5	7.8	8.4	9.4	10.4	10.7	11.0
200	11.3	11.3	11.3	11.3	11.5	11.7	12.0	12.4	12.5	12.0
250	11.5	10.9	11.4	11.8	12.5	13.3	13.9	14.4	14.9	14.7
300	14.4	14.2	14.1	14.1	13.9	13.5	13.1	12.5	11.7	11.2
350	10.5	9.5								

Depth: 1888.0 ft

[°]	Radii in [ft]									
0	5.2	5.3	5.4	5.5	5.7	6.1	6.5	8.5	9.0	9.5
50	9.9	10.2	10.7	11.4	11.9	12.3	12.0	11.6	11.2	10.9
100	10.5	10.2	9.6	9.2	8.8	8.8	9.1	9.6	10.2	10.7
150	10.6	10.5	10.3	9.8	9.4	8.9	8.4	7.8	6.5	5.2
200	5.3	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.0	4.9
250	4.8	4.7	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3
300	4.3	4.3	4.4	4.4	4.3	4.4	4.5	4.6	4.7	4.8
350	5.0	5.1								

Depth: 1890.0 ft

[°]	Radii in [ft]									
0	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.7	2.8	2.9
50	3.0	3.2	3.0	2.8	2.7	2.6	2.6	2.6	2.8	3.0
100	3.3	3.5	3.7	4.1	4.5	4.9	5.3	5.6	5.7	7.5
150	7.6	7.8	7.8	7.7	7.6	4.0	2.7	2.5	2.5	2.8
200	3.0	2.9	2.7	2.7	2.6	2.6	2.5	2.4	2.2	2.1
250	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.6	1.6	1.7
300	1.7	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.3	2.3
350	2.3	2.3								

Depth: 1892.0 ft

[°]	Radii in [ft]									
0	1.2	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
50	2.0	2.1	2.3	2.6	3.6	4.4	4.8	5.3	6.0	6.0
100	6.1	3.2	2.4	2.0	1.8	1.7	1.6	1.6	1.5	1.5
150	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
200	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4
250	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
300	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
350	1.3	1.3								



SOCON Sonar Well Services, Inc.

Table of radii

Brine Well No: 1

093013

2/5/2009

Depth: 1894.0 ft

[°]	Radii in [ft]									
0	0.7	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3
50	1.5	1.6	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.8
100	1.8	1.7	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.0	0.9	0.8
200	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
250	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
300	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
350	0.7	0.7								

Depth: 1896.0 ft

[°]	Radii in [ft]									
0	0.4	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.9	1.0
50	1.0	1.1	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4
100	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.0
150	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3
200	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
250	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
300	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
350	0.4	0.4								

Depth: 1898.0 ft

[°]	Radii in [ft]									
0	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.9	3.1	3.2
50	3.2	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9
100	2.9	2.9	2.9	2.8	3.0	3.2	3.5	3.8	4.1	4.4
150	4.7	5.2	5.9	6.7	8.0	10.0	11.2	3.3	3.2	3.0
200	2.8	2.6	2.4	2.2	2.1	2.1	2.0	2.0	2.0	2.0
250	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
300	1.7	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.0
350	2.1	2.2								

Depth: 1900.0 ft

[°]	Radii in [ft]									
0	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4
50	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
100	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5
200	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.7
250	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
300	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
350	1.5	1.5								



SOCON Sonar Well Services, Inc.

Table of radii

Brine Well No: 1

093013

2/5/2009

Depth: 1902.0 ft

[°]

Radii in [ft]

0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
250	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
350	1.0	1.0								

Depth: 1903.0 ft

[°]

Radii in [ft]

0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
50	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
200	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
250	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
300	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
350	0.6	0.6								

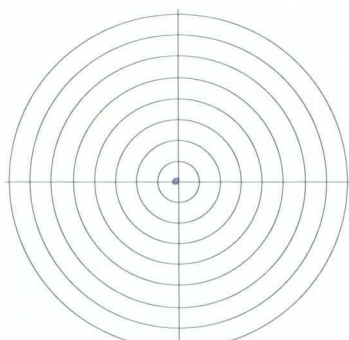


SOCON Sonar Well Services, Inc.

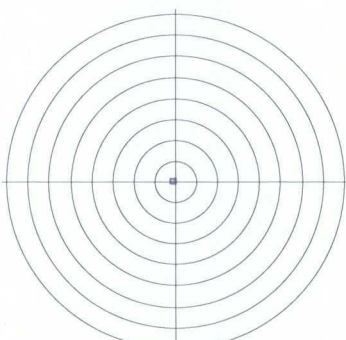
Horizontal slices 1 - 12



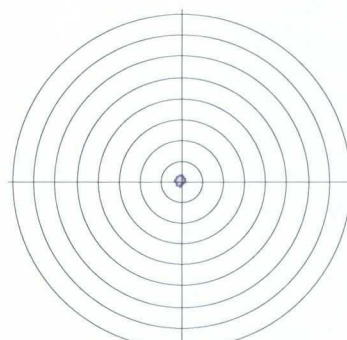
Cavity: Brine Well No: 1 Report number: 093013 Date: 02/05/2009



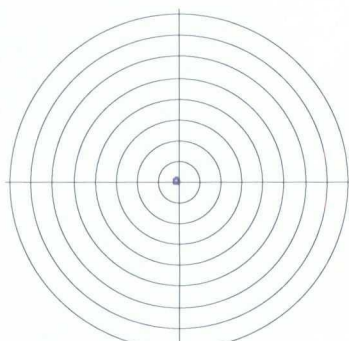
1871.0 ft / 1 ft²



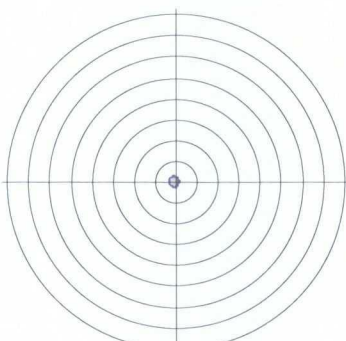
1872.0 ft / 1 ft²



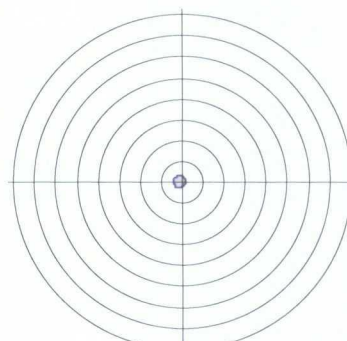
1874.0 ft / 4 ft²



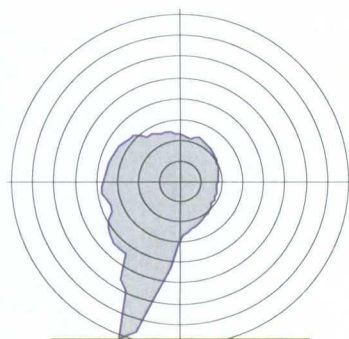
1876.0 ft / 2 ft²



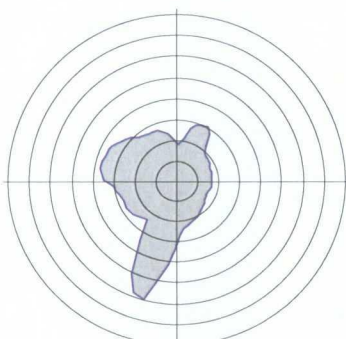
1878.0 ft / 5 ft²



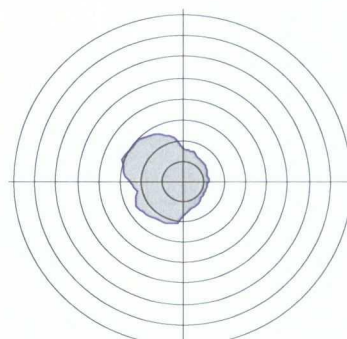
1880.0 ft / 7 ft²



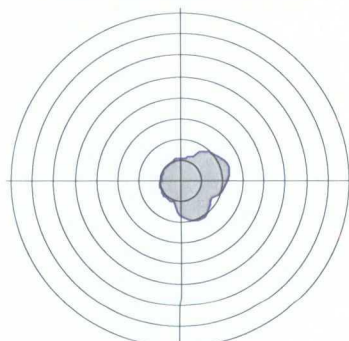
1882.0 ft / 800 ft² (max)



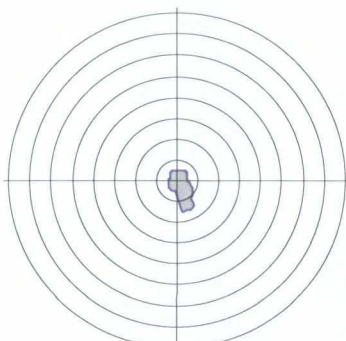
1884.0 ft / 602 ft²



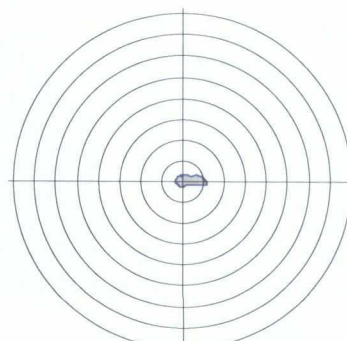
1886.0 ft / 312 ft²



1888.0 ft / 183 ft²



1890.0 ft / 38 ft²



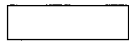
1892.0 ft / 15 ft²

The distance between 2 circles equals 5 ft

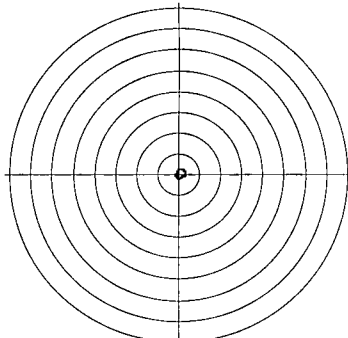


SOCON Sonar Well Services, Inc.

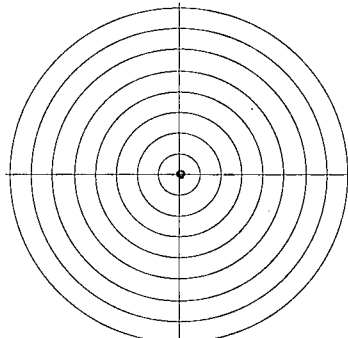
Horizontal slices 13 - 18



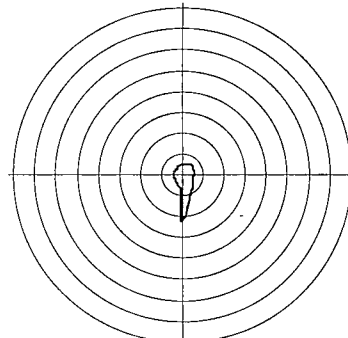
Cavity: Brine Well No: 1 Report number: 093013 Date: 02/05/2009



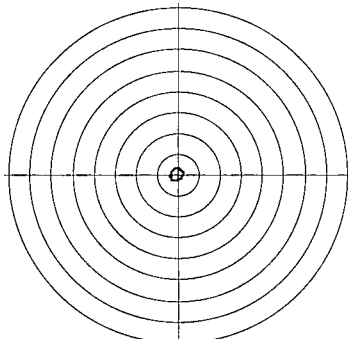
1894.0 ft / 4 ft²



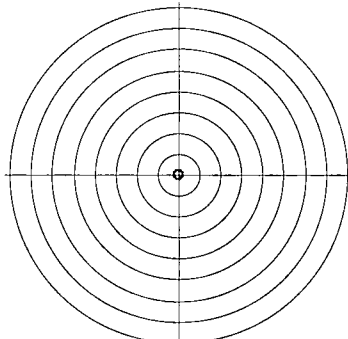
1896.0 ft / 2 ft²



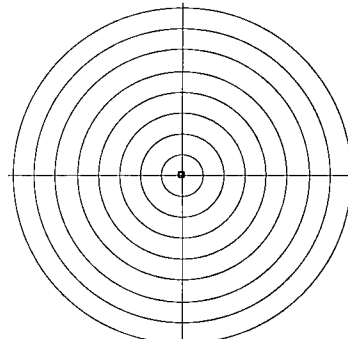
1898.0 ft / 37 ft²



1900.0 ft / 7 ft²



1902.0 ft / 3 ft²



1903.0 ft / 1 ft²

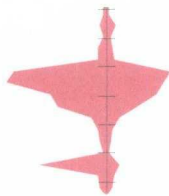


SOCON Sonar Well Services, Inc.

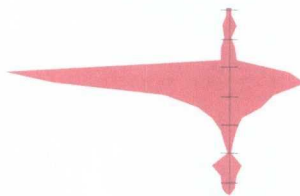
Vertical slices 1 - 6



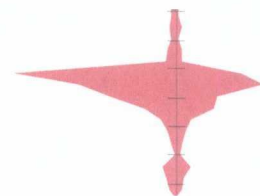
Cavity: Brine Well No: 1 Report number: 093013 Date: 02/05/2009



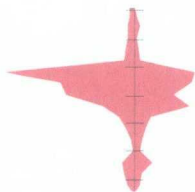
180° 0°



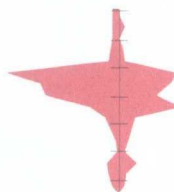
195° 15°



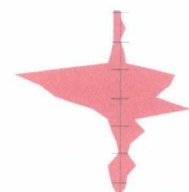
210° 30°



225° 45°



240° 60°



255° 75°

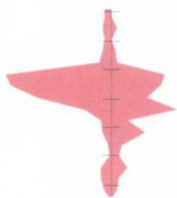


SOCON Sonar Well Services, Inc.

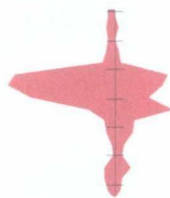
Vertical slices 7 - 12



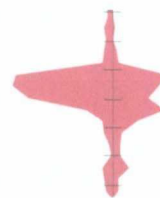
Cavity: Brine Well No: 1 Report number: 093013 Date: 02/05/2009



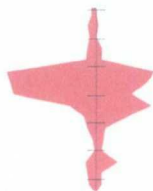
270° 90°



285° 105°



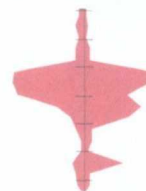
300° 120°



315° 135°



330° 150°



345° 165°