



Death Valley National Park

Docket Number: 35

STOVEPIPE WELLS - WELL #1

Preliminary Docket Information

DOCKET INFORMATION FORM

Compiled by: Alexa Kreiling Date: 2/25/2025
 Initial Docket Information Form ☒ Amendment # (1,2,3 ...)
 Includes Confidential Content ☐

Park Unit: DEVA Docket #: 035 Docket Title Stovepipe Wells - Well #1

Docket Type:

Select all applicable: ☐ PC/V (pre-code/vested) ☐ APP (appropriative) ☐ RIP (riparian)
☐ FRR (federal reserved right) ☐ PWR (public water reserve) ☐ ACQ (acquired)
☒ GW (groundwater) ☐ Own (ownership) ☐ Other

Region:

☐ NER & NCR ☐ IMR
☐ SER ☐ MWR
☐ IMR ☒ PWR
☐ AKR

Source:

☒ Groundwater ☐ Spring (When recognized by the State as separate from groundwater and surface water)
☐ Surface Water
☐ Direct Diversion ☐ Diversion to Storage ☐ Instream Flow
 Name: Stovepipe Wells

State: CACounty: Inyo

Owner: US National Park Service (As listed by the State)

Application #: Date:

Permit #: Date Issued:

License / Certificate #: Priority Date:

Ruling/Order/Decree #: Date Issued:

Quantity: Rate: Duty:
 Units: ☐ cfs ☐ gpm ☐ afy ☐ other Units: ☐ cfs ☐ gpm ☐ afy ☐ other

Use(s): ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Municipal ☐ Industrial/Commercial ☐ Wildlife ☐ Instream ☐ other

POD Name / Location: ☐ Multiple PODs (see water right)

Qtr: Qtr: Sec: T: R: PM:

Latitude: Longitude:

UTM , Datum:

POU Name / Location: ☐ Multiple POU's (see water right)

Qtr: Qtr: Sec: T: R: PM:

Latitude: Longitude:

UTM , Datum:

Narrative / Remarks: Enter short narrative in the space below, attach additional page(s) as needed.

Docket has only a well driller's log. No other information.

06 DATA

Death Valley National Park

STOVEPIPE WELLS - WELL #1

Supporting Hydrologic Data

Driller's well log

76426

Do Not Fill In

ORIGINAL
File with DWRSTATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

No 76425

State Well No. _____

Other Well No. _____

(1) OWNER: U. S. Dept. of Interior

Name **National Park Service**
Address **Water Resources Section**
450 Golden Gate Ave., Box 36063
San Francisco, Calif. 94102

(2) LOCATION OF WELL:

County **Inyo** Owner's number, if any _____
Township, Range, and Section **T16S, R44E, Sec. 1, NE 1/4 of NW 1/4**
Distance from cities, roads, railroads, etc. **About 1200' south of**
Hwy. 190 on west side of Mosaic Canyon Rd.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE ☒ DOUBLE ☐

If gravel packed

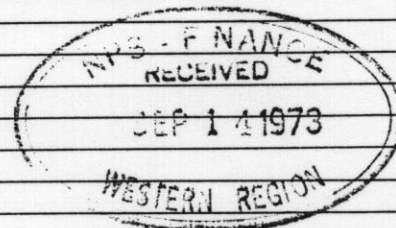
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
Up 1'	264	3"	1/2"	12 1/4"	0	315
	264	294	8 pipe size s.s.	screen		
	0	12	14"	#12		

Size of shoe or well ring: **Flat Plate SS** Size of gravel: **#8 Monterey Sand; Graveled up to 126' only**Describe joint **Threaded - Drive pipe couplings****3/4" steel plate welded to 8" pipe and
top of 14", #12 casing imbedded in concrete.**

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen **Johnson 316 ELC stainless steel**

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
264	294			.040 slot



(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth **12** ft.Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata _____

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing **Concrete in 30" hole around 14" casing**Work started **8/11/73** 19____, Completed **9/9/73** 19____

(9) WATER LEVELS:

Depth at which water was first found, if known **139 1/2** ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing _____ ft.

(10) WELL TESTS:

Was pump test made? Yes ☒ No ☐ If yes, by whom? **Belknap**Yield: **74** gal./min. with **13** ft. drawdown after **18** hrs.Temperature of water **82°F** Was a chemical analysis made? Yes ☐ No ☒Was electric log made of well? Yes ☐ No ☒ If yes, attach copy _____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME **Bill Belknap** BB:JA

(Person, firm, or corporation) (Typed or printed)

Address **P. O. Box 846**
Reedley, California 93654

[SIGNED] _____ vh

(Well Driller)

License No. **106833** Dated **9/12/73**, 19____

SKETCH LOCATION OF WELL ON REVERSE SIDE

FORM 9-1642B
(DEC 68)

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by W. Werrell Source of data Field Date Sept 12, 73 Map Stovepipe Wells - 15'

State California County 06 (or town) Inyo Sequential number 14

Latitude: 36° 36' 04" N Longitude: 117° 08' 47" W

Lat-long accuracy: 16 T. 16 S. 44 W. Sec 1, NE 1/4, NE 1/4, NW 1/4 Mount Diablo BL.

Local well number: 016S044E01C01M Other number: NPS Stovepipe Wells #1

Local use: W09A1 Owner or name: NPS STOVEPIPE 1 Address: _____

Ownership: County, Fed Gov't (F) City, Corp or Co, Private, State Agency, Water Dist (W) _____

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, (H) Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other _____

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, (W) Withdraw, Waste, Destroyed _____

DATA AVAILABLE: Well data ☐ Freq. W/L meas.: ☐ Field aquifer char. ☐

Hyd. lab. data: _____

Qual. water data; type: _____

Freq. sampling: ☐ Pumpage inventory: ☐ yes _____ no, period: _____

Aperture cards: _____

Log data: Drillers log

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 315 ft 315 Meas. steel tape accuracy 0

Depth cased: (first perf.) 264 ft 264 Casing type: Extra thick steel Diam. 8 in 8

Finish: (C) concrete, (F) gravel w. screen, (G) gravel, (H) horiz. open, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other _____

Method: (A) air bored, (B) cable, (D) dug, (H) hyd. jetted, (J) air percussion, (P) reverse, (R) trenching, (T) driven, (V) wash, (W) drive, (Z) other _____

Date Drilled: Aug 25, 73 973 Pump intake setting: _____ ft _____

Driller: Bill Belknap Reedley, Calif

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, other _____ Deep _____ Shallow _____

Power (type): (nat) diesel, elec, gas, gasoline, hand, gas, wind; H.P. _____ Trans. or meter no. _____

Descrip. MP Top of casing, 1.6 ft above ft below LSD, Alt. MP _____

Alt. LSD: 90 90 Accuracy: Altimeter - 5' accuracy 7

Water Level 145.4 ft above below MP; Ft. below LSD 145 Accuracy: Steel Tape 5

Date Sept 8, 73 973 Yield: 72 gpm 72 Method determined 5

Drawdown: 14.3 ft 14 Accuracy: E. probe 0 Pumping period 18 hrs 18

QUALITY OF WATER DATA: Iron _____ Sulfate _____ Chloride _____ Hard. _____

Sp. Conduct 4,400 K x 10⁶ 6 Temp. 82 °F 82 Date sampled Sept 9, 73 973

Taste, color, etc. Mineralized taste, clear

Well is located 146 ft south and 38 ft west of brass cap. This cap is on the township line, at midsection in the north boundary of Sect 1. Cap is also the south-west corner of Stovepipe Wells.

Stovepipe Wells - 3 - 35

Well No. S/44E-1C1

Well No.

16S/44E-1C1

Latitude-longitude 36.36.04^N 117.08.47_S

SAME AS ON MASTER CARD
 Physiographic Province: Basin & Range Section: Great
Basin A Drainage Basin: Death Valley 70A Subbasin:
 (D) (C) (E) (F) (H) (K) (L)
 Topo of depression, stream channel, dunes, flat, hilltop, sink, swamp,
 well site: (O) (P) (S) (T) (U) (V)
 offshore, pediment, hillside, terrace, undulating, valley flat
 MAJOR
 Aquifer: Quaternary Recent QR Terrace deposit OT
 system series aquifer, formation, group
 Lithology: Poorly sorted conglomerate PC Origin: Fluvial 2 Aquifer Thickness: 151 ft
 Length of well open to: 30 ft Depth to top of: 145 ft
 MINOR
 Aquifer:
 system series aquifer, formation, group
 Lithology:
 Length of well open to: ft Depth to top of: ft
 Intervals Screened: 264' - 294'; Johnson Well Screen - 316 ELC Stainless Steel - Slots:
 Depth to consolidated rock: ft Source of data:
 Depth to basement: ft Source of data:
 Surficial material: Infiltration characteristics:
 Coefficient Trans: gpd/ft Coefficient Storage:
 Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards:

Surface casing is 14" diameter, 12 ft deep and cemented.
 Drilled hole is 12 1/4" diameter.
 After drilling stopped, hole filled in to 294 ft below
 L.S.D.

Drillers Log:

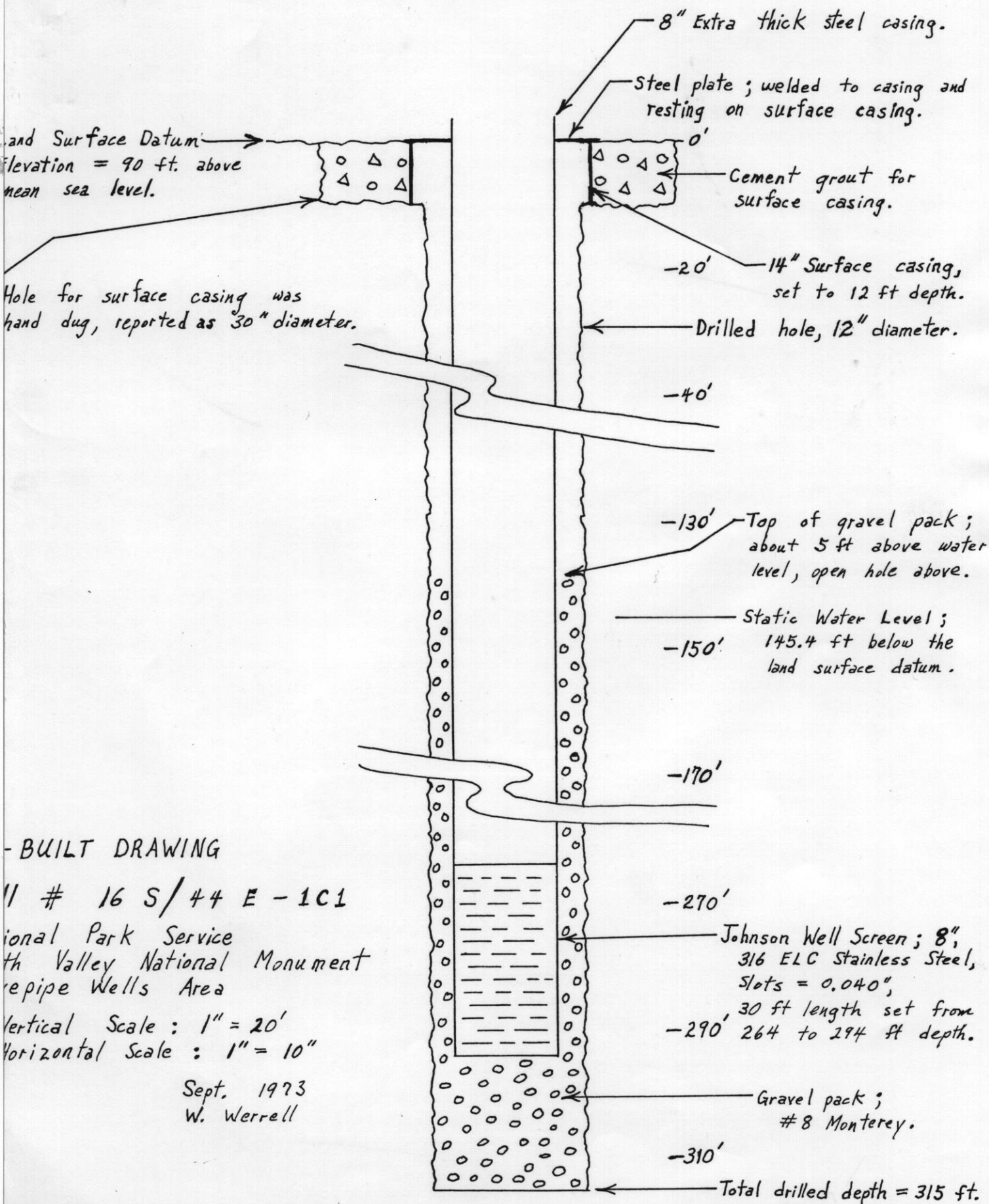
<u>Depth</u>	<u>Thickness</u>	<u>Description</u>
0-70	70	Alluvium
70-73	3	Boulders
73-78	5	clay
78-102	24	Alluvium - mixed
102-112	10	clay
112-143	31	Alluvium - mixed
143-173	30	Boulders
173-175	2	Sandy clay
175-181	6	Broken multi colored rock with bits of sandy clay
181-185	4	Sandy clay
185-189	4	Broken multi colored rock
189-195	6	Sand or sandy clay
195-211	16	Broken multi colored rock
211-315	104	Broken multi colored rock with layers of clay occasionally.

Will gravel-packed with ^{layers of clay occasionally.} #8 Monterey gravel (well rounded coarse sand, clean)

Well No.

16S/44E-1C1

Drilling mud varied greatly during this operation resulting in recirculation of drill cuttings and thus very poor formational samples. No log of samples was made.



Docket Information

Number of Documents in Docket : 5

Documents Dated from : 09-09-1973 to 02-25-2025

Docket Compiled: 6/18/2025