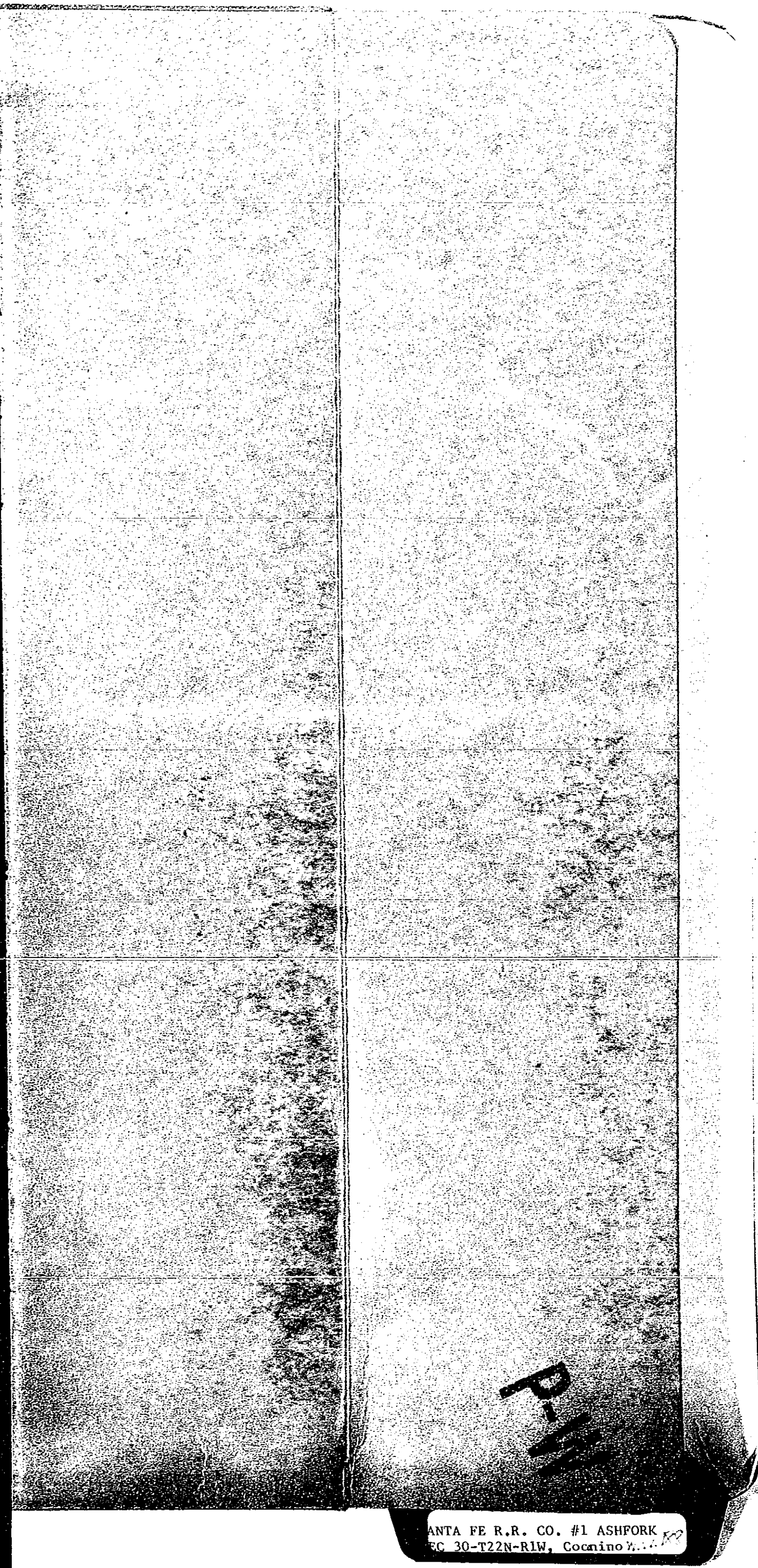
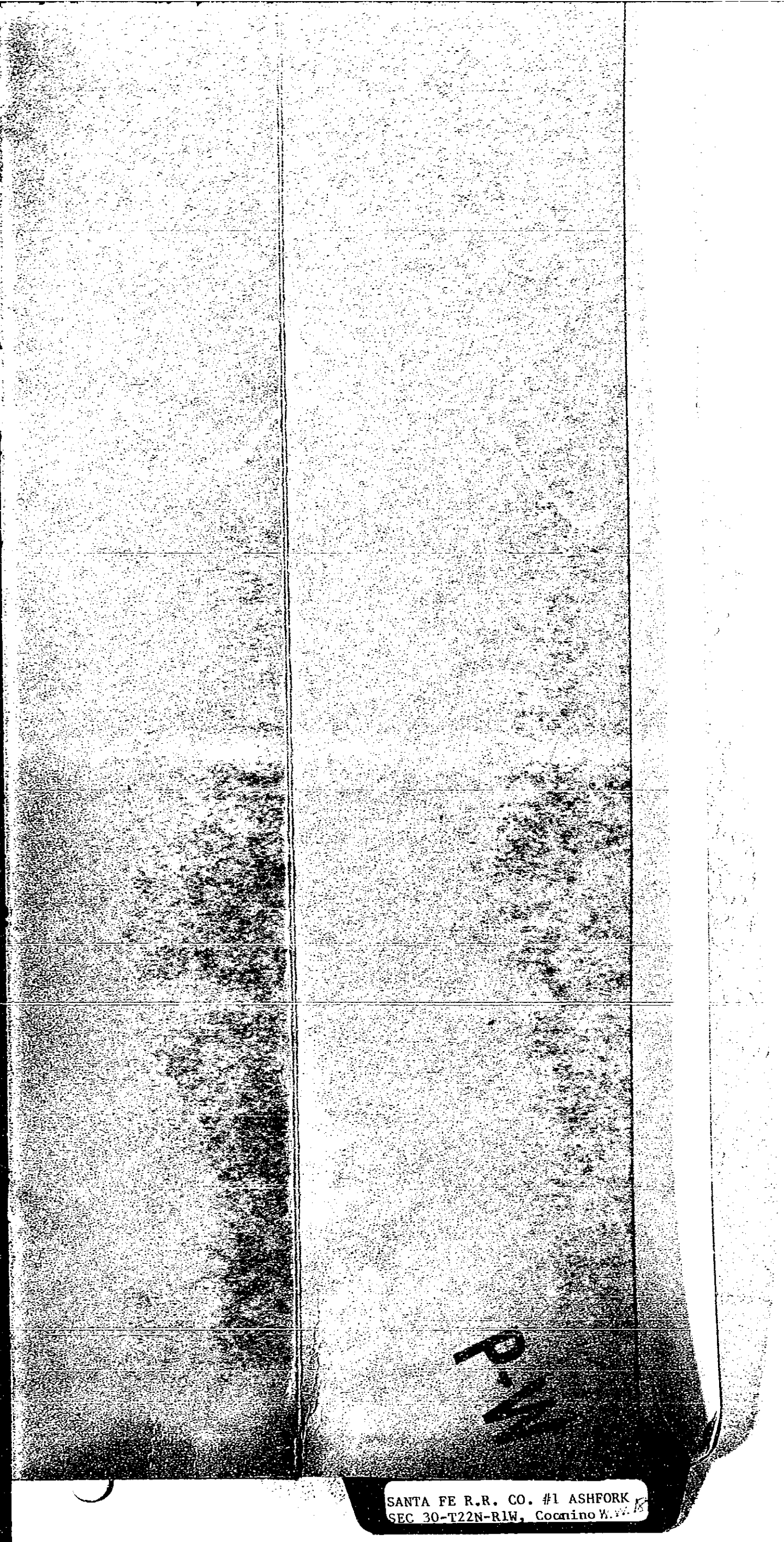


ANTA FE R.R. CO. #1 ASHFORK
EC 30-T22N-R1W, Coconino


SANTA FE R.R. CO. #1 ASHFORK
SEC 30-T22N-R1W, Coconino

P/pg

in os database

File No. 188
No 15 A

WATER WELL INFORMATION SHEET

County Coconino

Area

Well Owner A.T. & S.F. RR
Santa Fe

LOCATION

| T R S | Quadrangle, District, and Field Number or Name | Miles West and South of Northeast Corner of Quadrangle |
|---|---|---|
| 22N-1W-30 NE SE NE | #1 Ashfork | |

| Total Depth 2624 | Elevation 5530 GL KB | Samples of Drill-Bit Cuttings and/or Cores No Yes Sample File No. |
|---|---|---|

Driller's log

LOGS

| Elec Logs | Lithologic | Driller's ✓ |
|---|---|---|

COMM. File

GEOLOGICAL

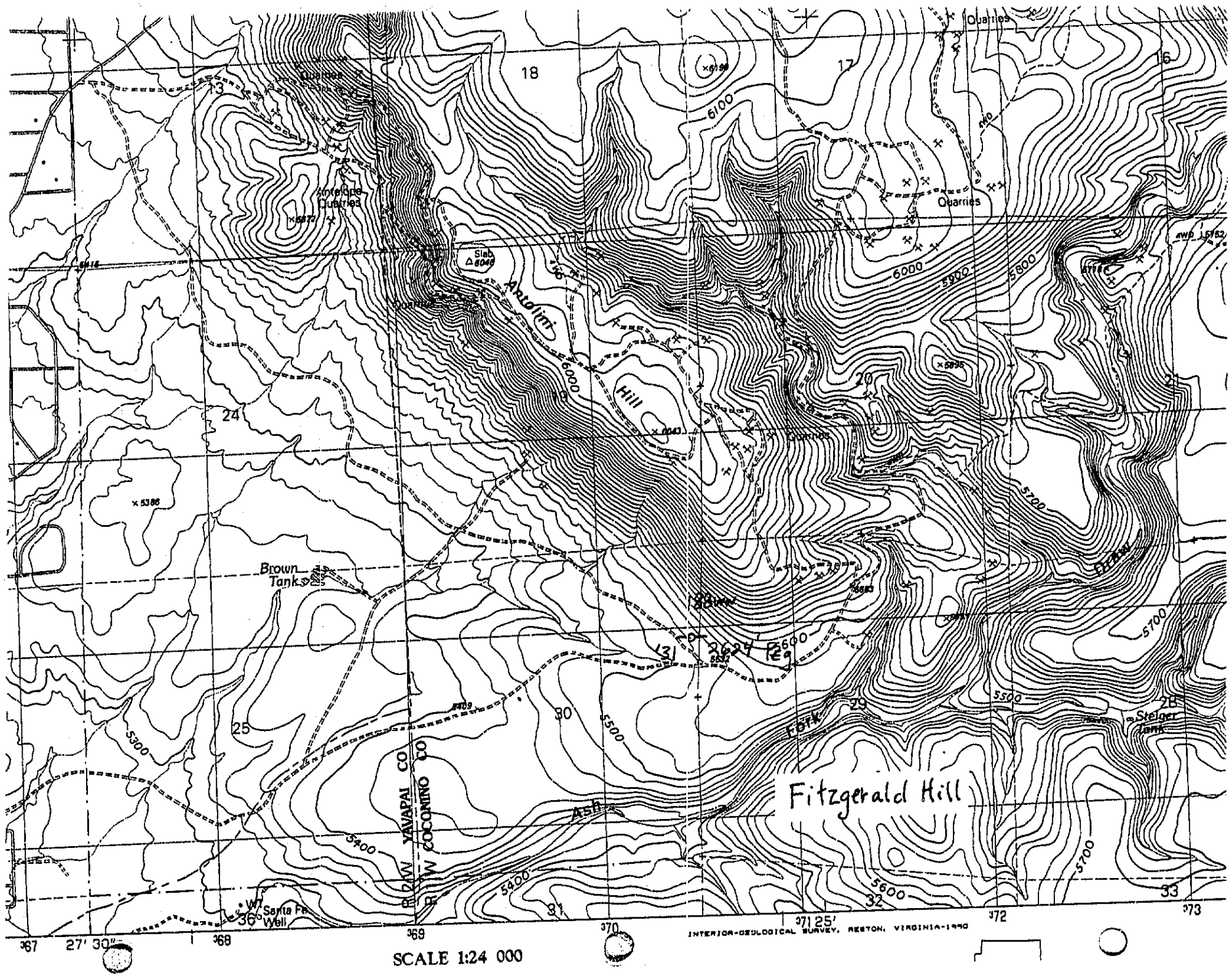
| Formation Tops | Depth: Elec Logs | Depth: Lithologic | Depth: Driller's | Remarks |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Redwall | | | 1716 | (+3814) |
| Martin | | | | |

Source of Formation Top Data: USGS- Flagstaff ofc has info, this well

GENERAL

USGS { spud in Pc
Є 2274 (+3254)
pre Є 2407 (+3123)

32 ×


Fitzgerald Hill
Antelope Quarries
Quarries
Brown Tank
Stelger Tank
Ash Fork
Antolini Hill
Draw
YAVAPAI CO
COCONINO CO
Santa Fe Well
6100
6000
5900
5800
5700
5600
5500
5400
5300
18
17
16
13
24
25
30
29
28
31
32
33
36
27' 30"
371 25'
INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1990
SCALE 1:24 000

32 × 1

**ARIZONA DISTRICT**
**ROUTING SLIP**

P. O. BOX 4070
TUCSON, ARIZONA

| NAME | ADDRESS |
|---|---|
| 1. Jim Sourlock | O&GCC |
| 2. | |
| 3. | |
| 4. | |
| 5. | |

- [ ] ALLOTMENT SYMBOL
- [ ] APPROVAL
- [x] AS REQUESTED
- [ ] CONCURRENCE
- [ ] CORRECTION
- [ ] FILING
- [ ] FULL REPORT
- [ ] ANSWER OR ACKNOWLEDGE ON OR BEFORE _____
- [ ] PREPARE REPLY FOR THE SIGNATURE OF _____
- [ ] HANDLE DIRECT
- [ ] IMMEDIATE ACTION
- [ ] INITIALS
- [ ] NECESSARY ACTION
- [ ] NOTE AND RETURN
- [ ] PER OUR CONVERSATION
- [ ] PER TELEPHONE CONVERSATION
- [ ] READ AND DESTROY
- [ ] RECOMMENDATION
- [ ] SEE ME
- [ ] SIGNATURE
- [ ] YOUR COMMENT
- [x] YOUR INFORMATION
- [ ]

REMARKS

Attached is all data we have on deep Santa Fe Hole nr. Ash Fork

W.W 188

RECEIVED
FEB 22 1972
O & G CONS. COMM.

FROM E J McGarock, U.S.G.S. Flagstaff.

DATE 2-15-72

32 ×

WRD Rep. (GM)
April 1966

Well No: B-22-1)30 ada 30-22N-1W

Coconino Co.

8

# WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

✓ LM
LL ✓

MASTER CARD (E.H. McGavock 5-5-66)

1:62,500

Record by: J.B. Gillespie — Source of data: Obs.; owner — Date: Dec. 5, 1966 — Map: Hearst Mtn.

State: Arizona [02] — County (or town): Coconino [03]

Latitude: 35 15 46 N — Longitude: 112 25 26 — Sequential number: 1

Lat-long accuracy: 2 — T 22 S, R 1 E, Sec 30, NE ¼, SE ¼, NE ¼ G & SR B & M

Local well number: — Other number: Ash Fork No. 1

Local use: — Owner or name: Santa Fe R.R.

Owner or name: — Address:

est. 1600 fnl 150 fel

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mad, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed.

DATA AVAILABLE: Well data — Freq. W/L meas.: not measured — Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling: — Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: Drillers log

## WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 2624 ft — Meas. (rep) drillers log — accuracy 1

Depth cased (first perf.): ft — Casing type: ; Diam. in

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

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

Date Drilled: Oct. 28 1931 — Pump intake setting: ft

Driller: Roscoe Moss Co. (name), Los Angeles (address)

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

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

Descrip. MP: ft above/below LSD, Alt. MP

Alt. LSD: 5530 — Accuracy (source): 15' topo. 40 fl contours

Water Level: 2060 ft above/below MP; Ft above/below LSD — Accuracy: Rept. Santa Fe R.R.

Date meas.: Oct. 28, 1931 — Yield: gpm — Method determined

Drawdown: ft — Accuracy: — Pumping period: hrs

QUALITY OF WATER DATA: Iron ppm — Sulfate ppm — Chloride ppm — Hard. ppm

Sp. Conduct. K x $10^6$ — Temp. °F — Date sampled

Taste, color, etc.

Well No. (B-22-1)30 ada

W.W. 188

32 ×

Well No. (B-22-1) 30 qda

Latitude-longitude 35 15 46 N 112 25 26.1
d m s d m s

**HYDROGEOLOGIC CARD**

SAME AS ON MASTER CARD

Physiographic Province: Colorado Plateau Section: Grand Canyon

Drainage Basin: Subbasin:

Type of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat

MAJOR AQUIFER: system, series, Redwall aquifer, formation, group

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

MINOR AQUIFER: system, series, Redwall ? aquifer, formation, group

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

Intervals Screened:

Depth to consolidated rock: ft Source of data:

Depth to basement: ft Source of data:

Surficial material: Sandstone & Silty sand Infiltration characteristics: good

Coefficient Trans: gpd/ft Coefficient Storage:

Coefficient Perm: gpd/ft$^2$; Spec cap: gpm/ft; Number of geologic cards:

Water first found at 2074
Standing water level 2060
Bailing test produced 300 gallons per hour, water level not lowered.
Bore 12, 10, & 8 inches.
Abandoned

30

Well No. (B-22-1) 30 adc

GPO 857-700

W.W. 188

Drillers Log ( B-22-1 ) 30 ada

| | | |
|---|---|---|
| 0 - 1 | Clay | |
| 1 - 2 | Soft limestone | |
| 2 - 500 | Sandstone | |
| 500 - 508 | Hard sandstone | |
| 508 - 1043 | Sandstone | |
| 1043 - 1245 | Hard Sandstone | Pco & PPs |
| 1245 - 1325 | Sandstone | |
| 1325 - 1332 | Hard sandstone | |
| 1332 - 1342 | Sandstone | |
| 1342 - 1345 | Quartz | |
| 1345 - 1352 | Hard rock | |
| 1352 - 1457 | Sandstone | |
| 1457 - 1475 | Sandy limestone | |
| 1475 - 1507 | Sandstone - limestone | |
| 1507 - 1716 | Yellow limestone | |
| 1716 - 1770 | Red limestone | |
| 1770 - 1829 | Hard red limestone | |
| 1829 - 1940 | Red limestone | Mr & |
| 1940 - 1949 | Brown limestone | DM |
| 1949 - 1956 | Hard limestone | |
| 1956 - 1975 | Missing from log | |
| 1975 - 1985 | Brown limestone | |
| 1985 - 2065 | Gray limestone | |
| 2065 - 2101 | Light gray limestone | |
| 2101 - 2151 | Gray limestone | 2074 Water |
| 2151 - 2180 | Brown limestone | |
| 2180 - 2205 | Blue limestone | |
| 2205 - 2274 | Brown limestone | |
| 2274 - 2332 | Sandstone | |
| 2332 - 2335 | Quartz & malapai | Etapeats |
| 2335 - 2352 | Brown sandstone | |
| 2352 - 2375 | Sandstone | |
| 2375 - 2381 | Blue clay | |
| 2381 - 2383 | Hard brown rock | |
| 2383 - 2393 | Hard micaceous rock | |
| 2393 - 2407 | Blue clay | |
| 2407 - 2426 | Gray granite | |
| 2426 - 2458 | Blue granite | |
| 2458 - 2529 | Granite | PE granite |
| 2529 - 2563 | Red granite | |
| 2563 - 2577 | Granite | |
| 2577 - 2592 | Brown shale | |
| 2592 - 2616 | Red granite | |
| 2616 - 2624 | Granite | |

Pt 250
Pco 750
P S 55

questionable picks above
by E. McGavock

checked EHM

WWW/JJ