

# **JOSHUA TREE NATIONAL PARK RESOURCES DIVISION**

## **2007 DRILLED WELL SURVEY**



JOSHUA TREE NATIONAL PARK  
RESOURCES DIVISION  
2007 DRILLED WATER WELL  
SURVEY

## Drilled Wells Located

| Source ID | Well Name                         |
|-----------|-----------------------------------|
| 19        | Willets Well                      |
| 22        | Desert Queen Well                 |
| 29        | Test Well                         |
| 30        | Test Well                         |
| 44        | Howard Well                       |
| 48        | Embry #1                          |
| 65        | Sunrise Well                      |
| 67        | Gold Rose Well                    |
| 71        | Black Eagle Well                  |
| 82        | Pinto Well                        |
| 240       | Keys Drainage Well                |
| 241       | Cohn Drainage Well                |
| 242       | Oasis of Mara (H-1)               |
| 243       | Oasis of Mara (H-2)               |
| 245       | Oasis of Mara (J-2)               |
| 246       | Oasis of Mara (J-3)               |
| 247       | Oasis of Mara (J-4)               |
| 249       | Oasis of Mara (K-2)               |
| 250       | Oasis of Mara (K-3)               |
| 251       | Oasis of Mara (K-4)               |
| 252       | Oasis of Mara (K-5)               |
| 280       | Cow Camp Sand Point (NEW)         |
| 281       | Wall Street Mill Sand Point (NEW) |
| 282       | NPS Test Well at Cow Camp (NEW)   |
|           |                                   |
|           |                                   |

## Drilled Wells Not Located

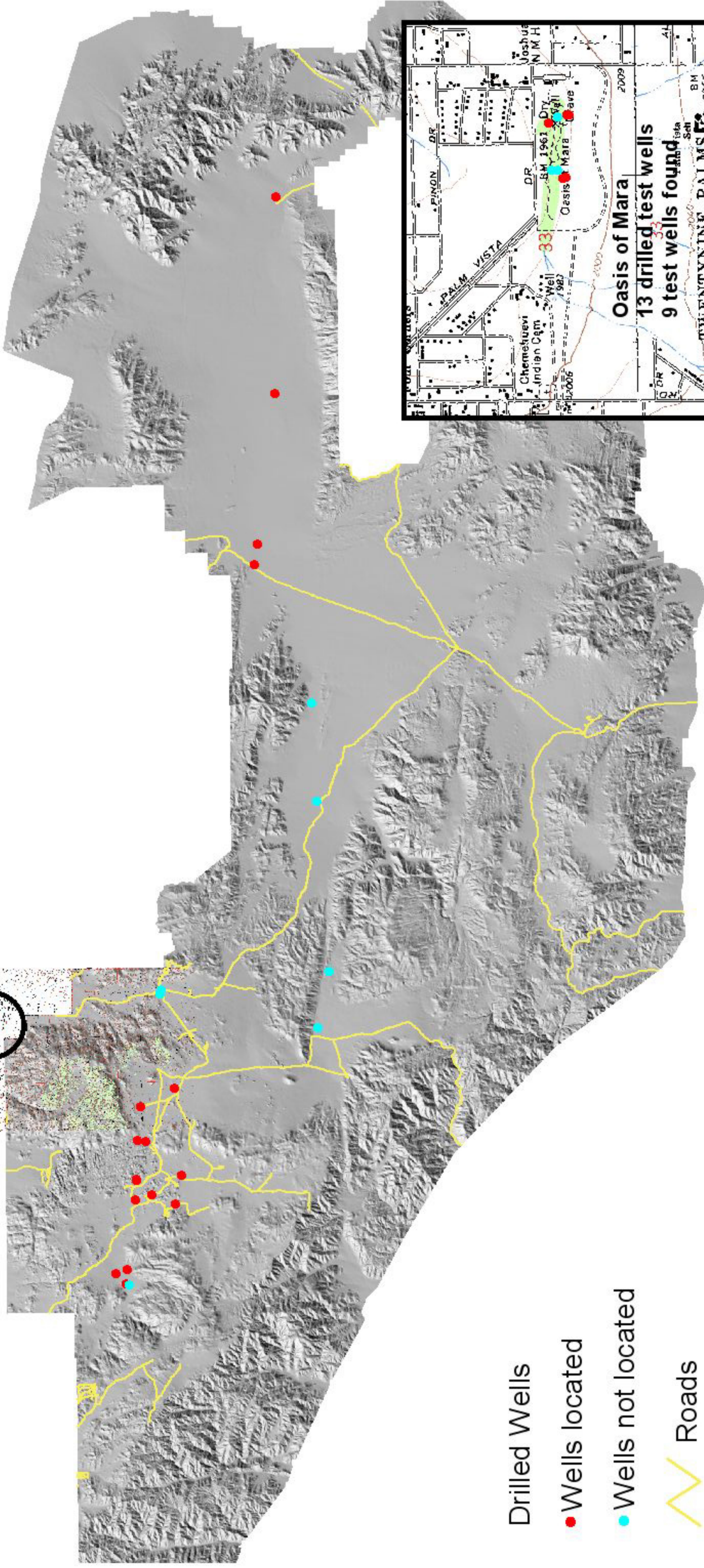
| Source ID | Well Name                     |
|-----------|-------------------------------|
| 49        | Embry #2                      |
| 63        | Unnamed Pinto Wash Well       |
| 64        | Unnamed Fried Liver Wash Well |
| 121       | Pleasant Valley Dry Lake Well |
| 136       | Pleasant Valley Well          |
| 164       | NPS Test Well                 |
| 165       | NPS Test Well                 |
| 199       | NPS Test Well 3               |
| 200       | NPS Test Well 4               |
| 201       | NPS Test Well 2               |
| 244       | Oasis of Mara (J-1)           |
| 248       | Oasis of Mara (J-5)           |
| 254       | Oasis of Mara (G-1)           |
| 255       | Oasis of Mara (K-1)           |
| 257       | Beeches                       |
|           |                               |
|           |                               |

Water source 161 Crossroads well is listed as being  
in T2S R8E Sec 12 NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  .

Two locations exist that show signs of  
excavation and use, but no well casing was found



Oasis of Mara

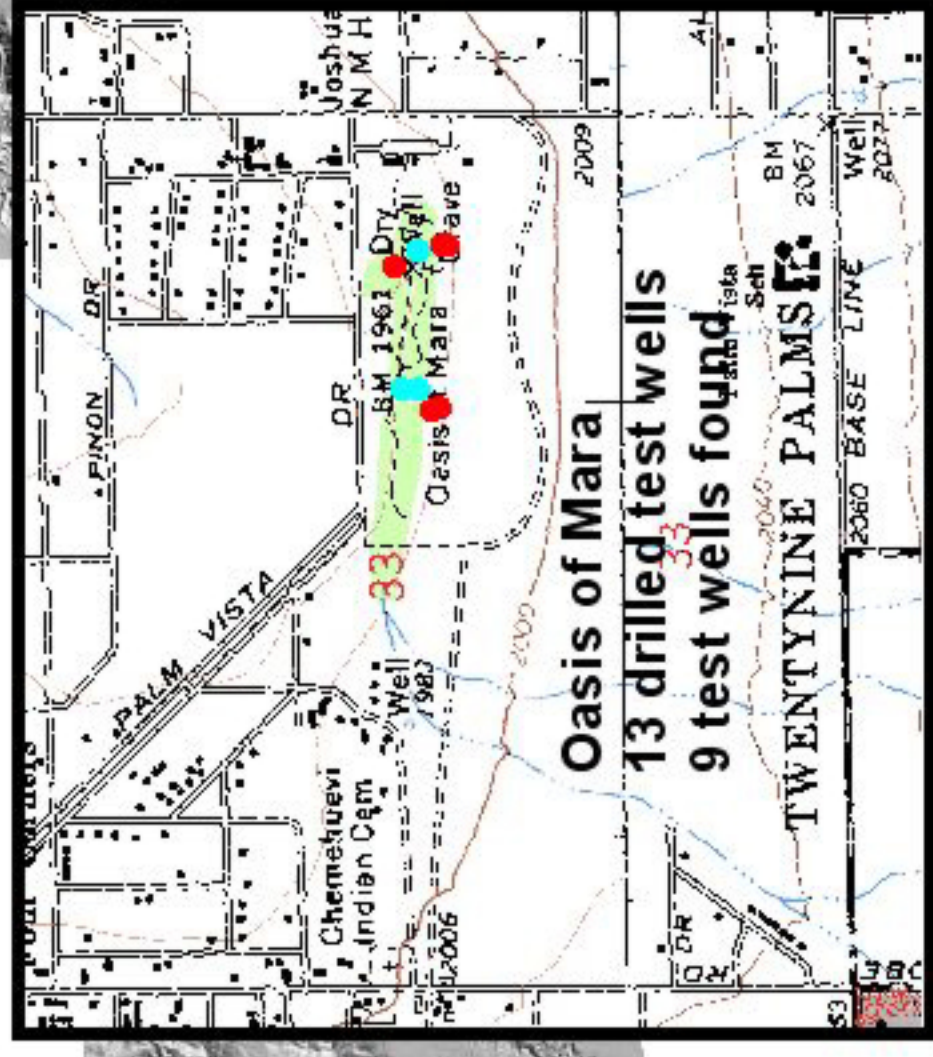


Drilled Wells

● Wells located

● Wells not located

↘ Roads



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name         |
|-----------|--------------|
| 19        | Willets Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T1S      | R7E   | 34      | 570580/3767972 |

Casing Diameter

|    |
|----|
| 6" |
|----|

Total Well Depth, from ground level. (decimal feet)

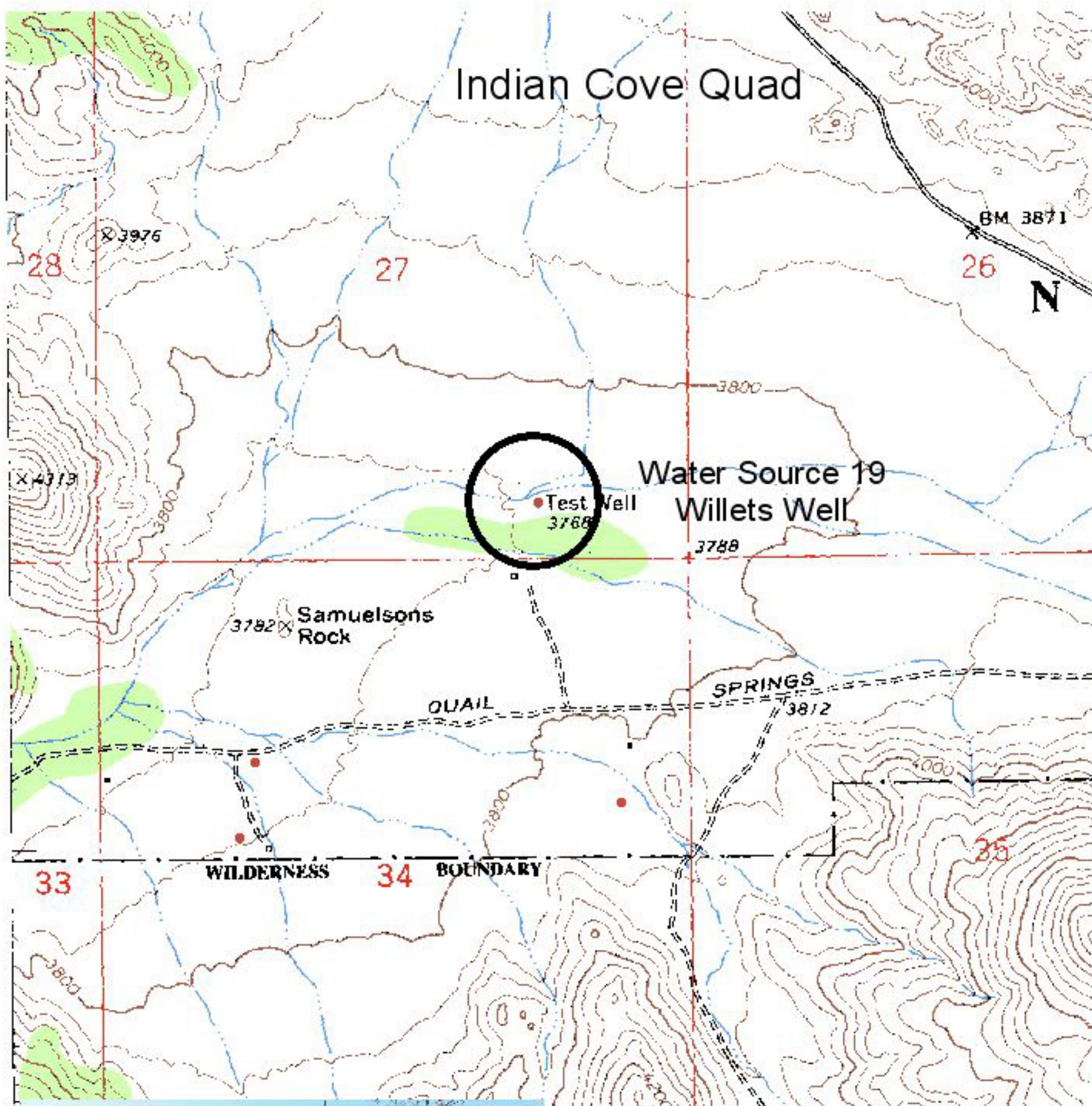
|       |
|-------|
| 173.1 |
|-------|

Depth to Water, from ground level. decimal feet)

| Date     | Depth to Water |
|----------|----------------|
| 12-13-06 | 134.08         |
| 4-25-07  | 133.02         |
| 6-26-07  | 133.17         |
|          |                |

Comments

Well casing .98feet above ground level



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name              |
|-----------|-------------------|
| Source 22 | Desert Queen Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83   |
|-------------|----------|-------|---------|------------------|
| Indian Cove | T2S      | R8E   | 3       | 579897E/3765887N |

Casing Diameter

8"

Total Well Depth, from ground level. (decimal feet)

see comments

Depth to Water, from ground level. decimal feet)

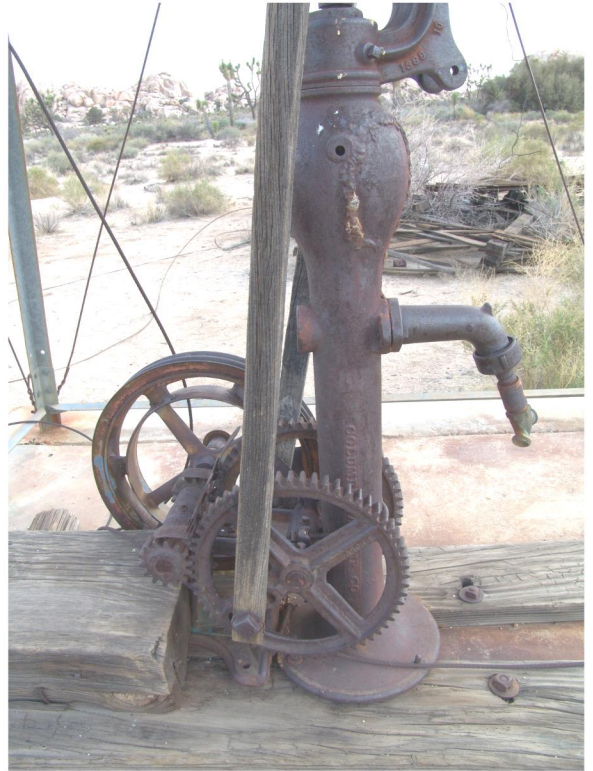
| Date    | Depth to Water |
|---------|----------------|
| 1-22-07 | 88.6           |
| 5-1-07  | 89.23          |
| 8-15-07 | 89.85          |
|         |                |

Comments

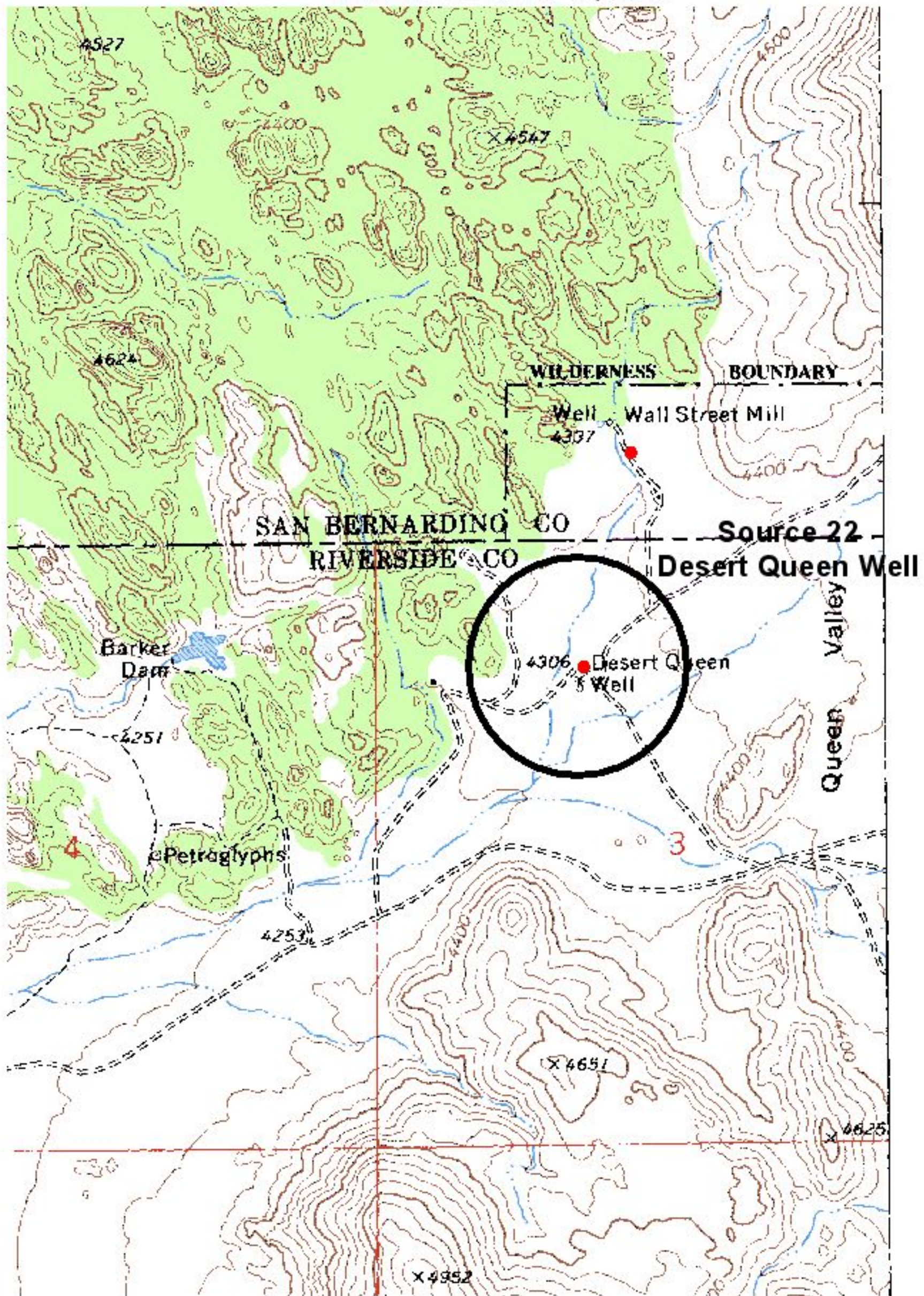
Jackshaft pump blocks most of casing. Opening between pump and top of casing is about ¾ inch.

# SOURCE 22

## DESERT QUEEN WELL



# Indian Cove Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name      |
|-----------|-----------|
| 29        | Test Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T2S      | R8E   | 7       | 575471/3763735 |

Casing Diameter

|    |
|----|
| 8" |
|----|

Total Well Depth, from ground level. (decimal feet)

|        |
|--------|
| 265.55 |
|--------|

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 2-20-07 | 214.52         |
| 4-25-07 | 215.52         |
| 8-15-07 | 215.45         |
|         |                |

Comments

There is an obstruction, in the casing, around 100'.  
This obstruction blocks bailers, no water samples  
were obtained.

Indian Cove Quad

Lost Horse  
Ranger Station

4120

Water Source 29

4350

7  
Test Well

4103

BOUNDARY



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name          |
|-----------|---------------|
| 30        | NPS Test Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T2S      | R8E   | 8       | 577547/3763366 |

Casing Diameter

2"

Total Well Depth, from ground level. (decimal feet)

89.25

Depth to Water, from ground level. decimal feet)

| Date | Depth to Water |
|------|----------------|
|      |                |
|      |                |
|      |                |
|      |                |

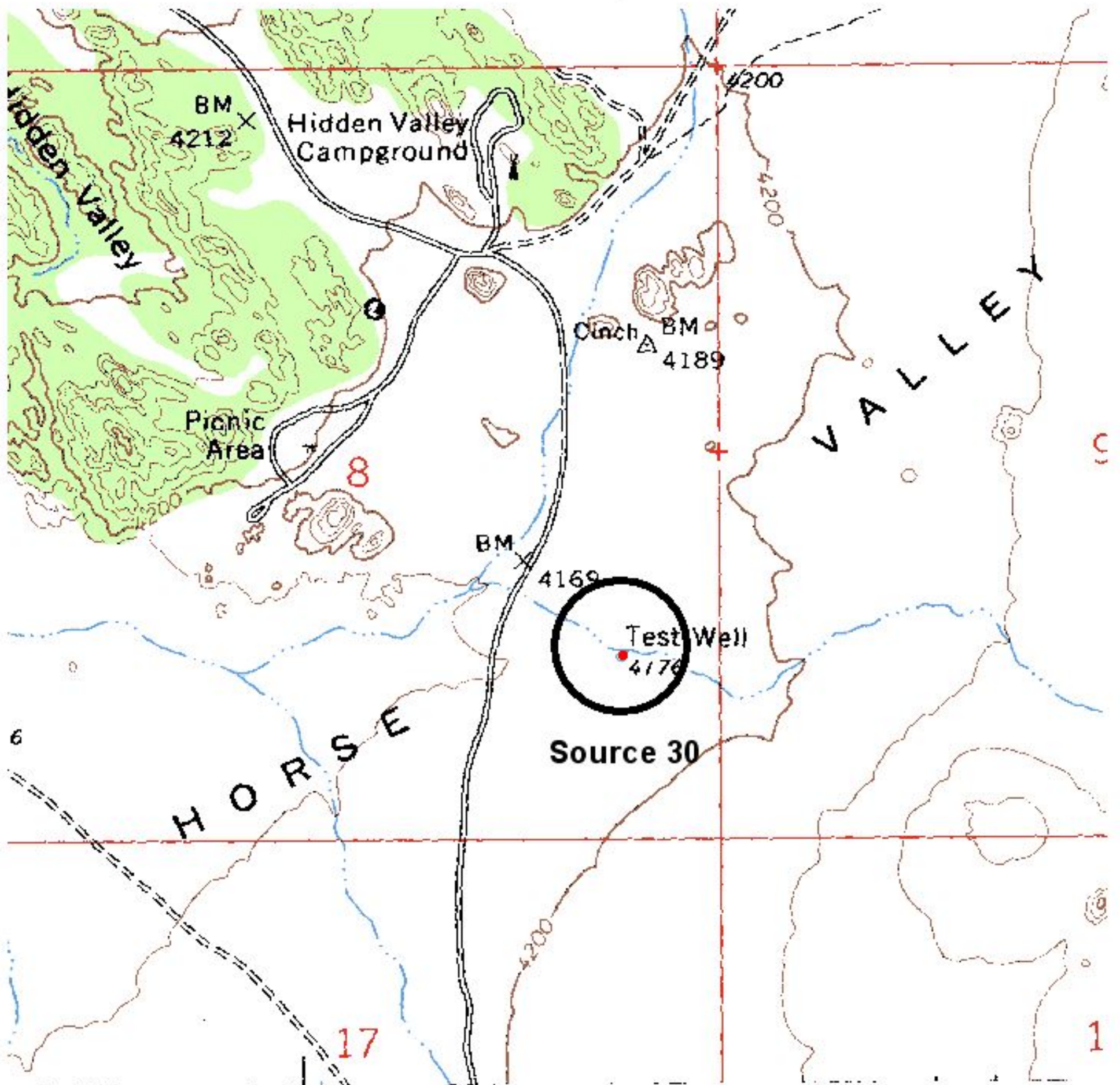
Comments

Well Dry

# **WATER SOURCE 30 NPS TEST WELL**



# Indian Cove Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name          |
|-----------|---------------|
| 44        | Howard's Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T1S      | R7E   | 34      | 570808/3767157 |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

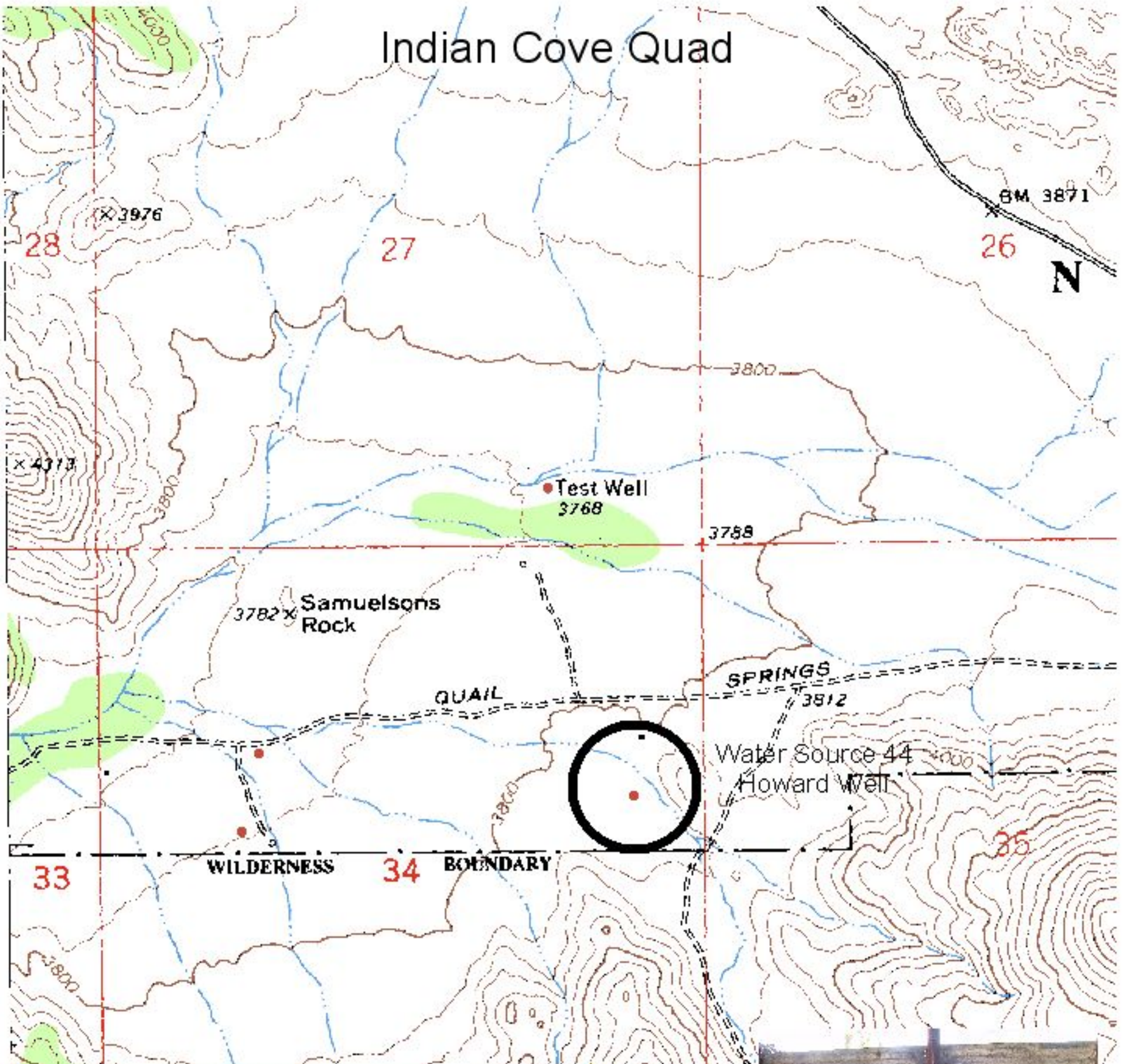
Depth to Water, from ground level. decimal feet)

| Date | Depth to Water |
|------|----------------|
|      |                |
|      |                |
|      |                |
|      |                |

Comments

An operating jackshaft sits over the well casing, blocking access. Water samples were obtained by pumping water into a sample container.

# Indian Cove Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name             |
|-----------|------------------|
| 48        | Embry (Embrie) 1 |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T1S      | R7E   | 34      | 569814/3767267 |

Casing Diameter

8"

Total Well Depth, from ground level. (decimal feet)

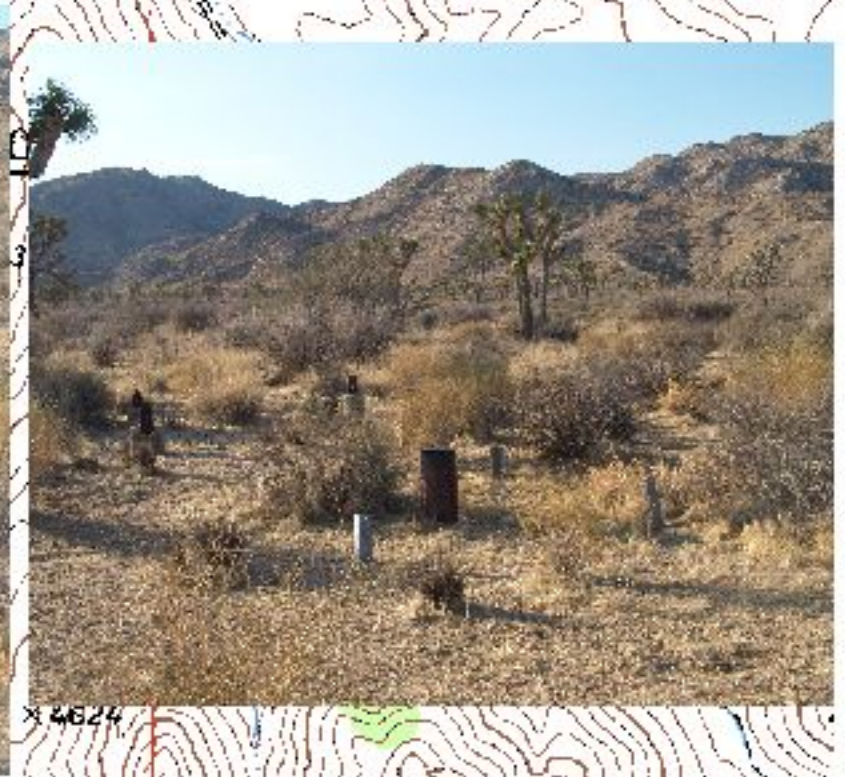
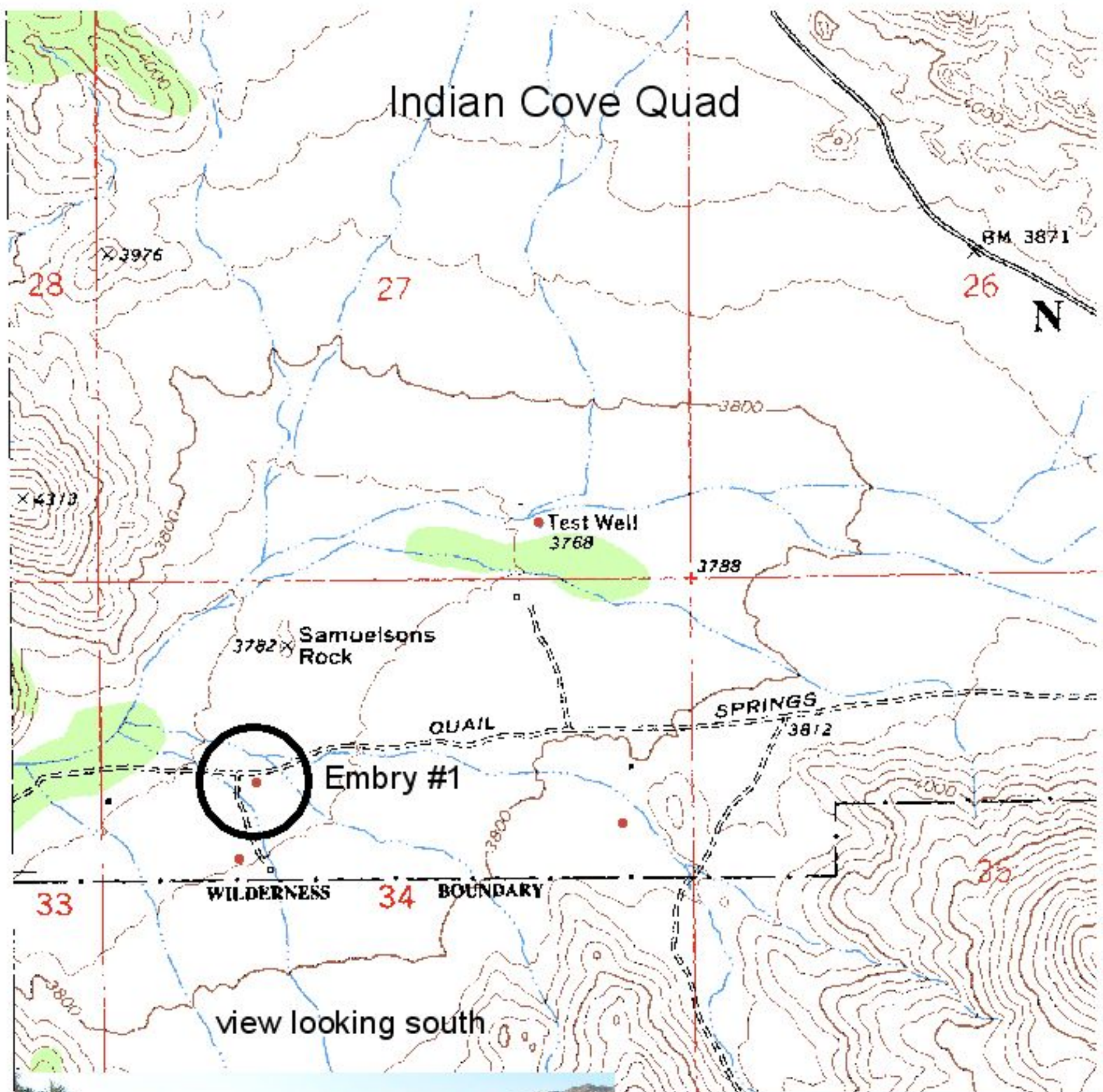
96.53

Depth to Water, from ground level. decimal feet)

| Date     | Depth to Water |
|----------|----------------|
| 12-13-06 | 81.53          |
| 4-25-07  | 83.36          |
| 6-26-07  | 84.17          |
|          |                |

Comments

Casing 1.24 feet above ground level



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name         |
|-----------|--------------|
| 65        | Sunrise Well |

Map Information

| Topo Quad           | Township | Range | Section | UTM E/N NAD 83 |
|---------------------|----------|-------|---------|----------------|
| San Bernardino Wash | T2S      | R12E  | 35      | 620795/3758163 |

Casing Diameter

16"

Total Well Depth, from ground level. (decimal feet)

?

Depth to Water, from ground level. decimal feet)

| Date | Depth to Water |
|------|----------------|
|      |                |
|      |                |
|      |                |
|      |                |

Comments

Obstruction in casing at 352'.  
Well reportedly 477' or 480' deep  
with water at 448'

# San Bernardino Wash Quad

**Source 66  
Sunrise Well**



Sunrise Mill 26

Mission Well

Sunrise Well

Gold Mine Well

J O S H U A

T R E E

S I

B A

M O N U M E

I O N A L

M O N U M E

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name           |
|-----------|----------------|
| 67        | Gold Rose Well |

Map Information

| Topo Quad           | Township | Range | Section | UTM E/N NAD 83 |
|---------------------|----------|-------|---------|----------------|
| San Bernardino Wash | T2S      | R12E  | 36      | 622277/3757976 |

Casing Diameter

16"

Total Well Depth, from ground level. (decimal feet)

?

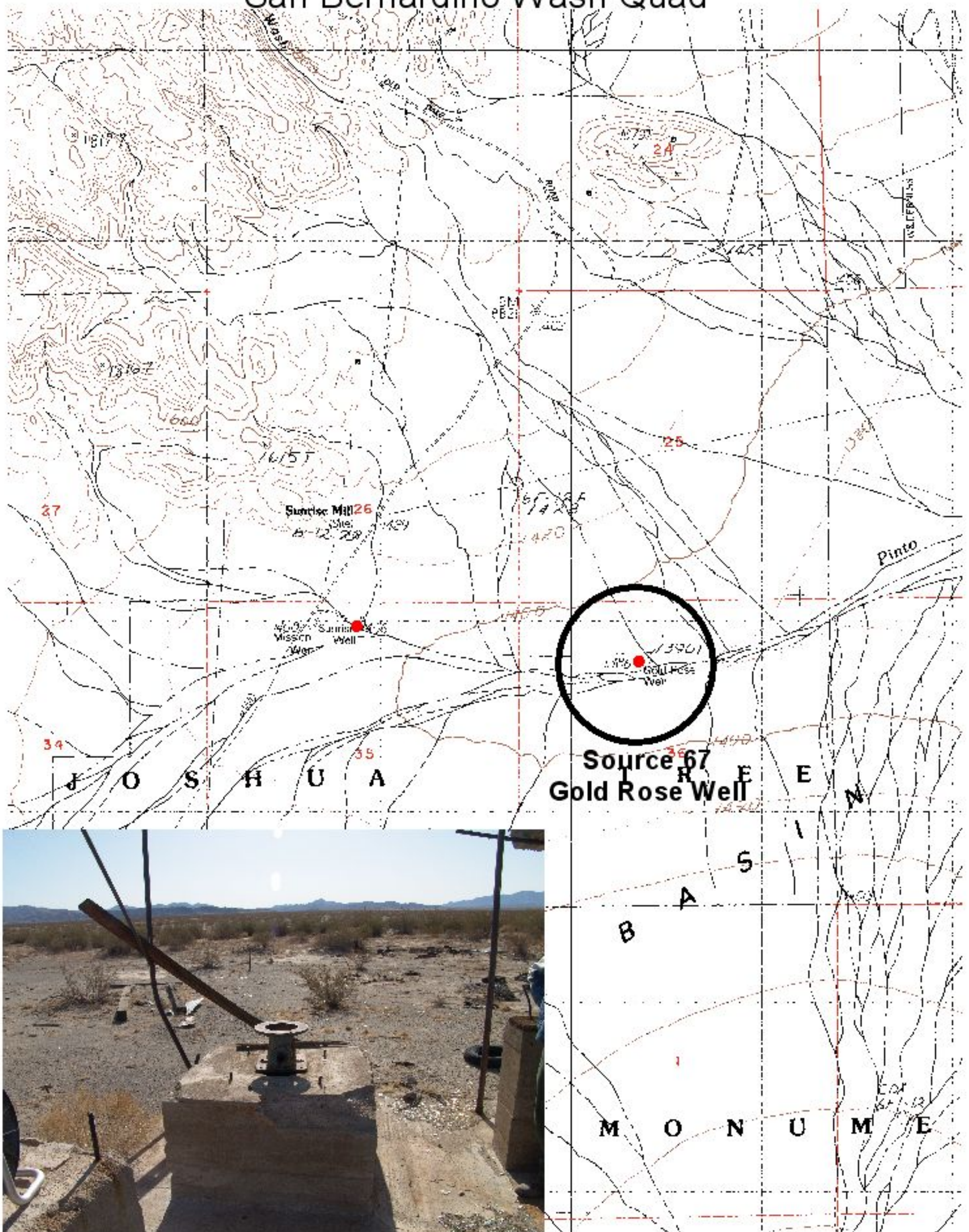
Depth to Water, from ground level. decimal feet)

| Date | Depth to Water |
|------|----------------|
|      |                |
|      |                |
|      |                |
|      |                |

Comments

Well reportedly 450' deep. Casing  
is blocked by remains of pump  
mount.

# San Bernardino Wash Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name             |
|-----------|------------------|
| 71        | Black Eagle Well |

Map Information

| Topo Quad     | Township | Range | Section | UTM E/N NAD 83 |
|---------------|----------|-------|---------|----------------|
| Placer Canyon | T3S      | R13E  | 1       | 632912/3756724 |

Casing Diameter

12"

Total Well Depth, from ground level. (decimal feet)

412.3

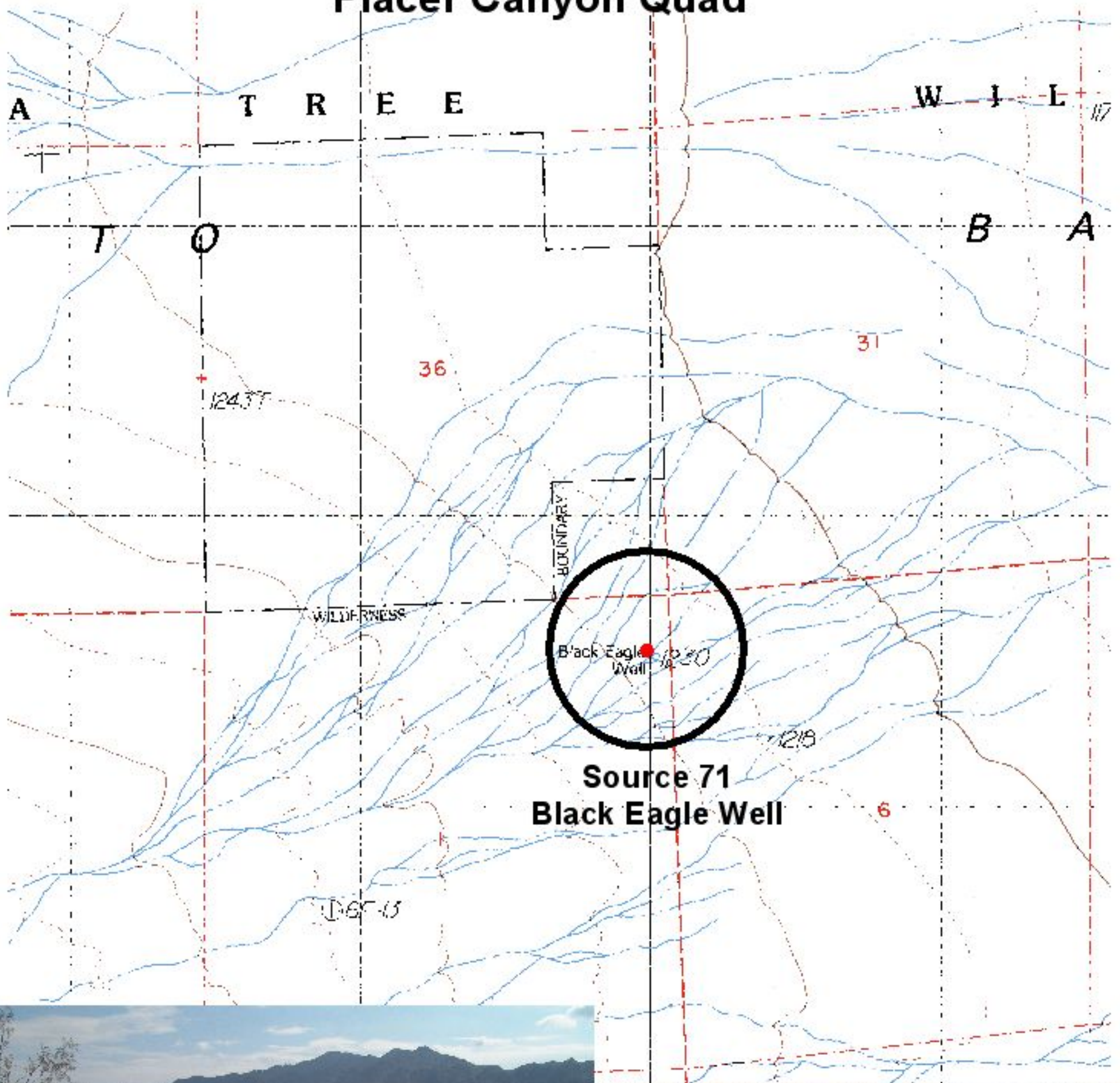
Depth to Water, from ground level. decimal feet)

| Date | Depth to Water |
|------|----------------|
|      |                |
|      |                |
|      |                |
|      |                |

Comments

Well dry

# Placer Canyon Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name       |
|-----------|------------|
| 82        | Pinto Well |

Map Information

| Topo Quad  | Township | Range | Section | UTM E/N NAD 83   |
|------------|----------|-------|---------|------------------|
| Pinto Well | T3S      | R15E  | 4       | 646854E 3756623N |

Casing Diameter (inches)

16

Total Well Depth, from ground level. (Decimal feet)

442.7

Depth to Water, from ground level. ( Decimal feet)

| Date    | Depth to Water | Sample Y/N |
|---------|----------------|------------|
| 2-03-07 | 164            | Y          |
| 5-09-05 | 162.91         | Y          |
| 5-23-07 | 163.0          | N          |
|         |                |            |

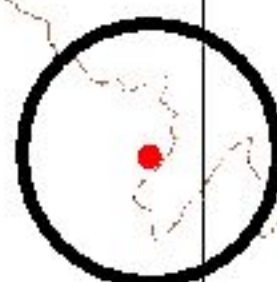
Comments

# Pinto Well Quad

WILDERNESS

BOUNDARY

1058 Pinto Wells  
WT 4



Source 82  
Pinto Well

13827

1409

Wash

# SOURCE 161 CROSSROADS WELL

TWO POSSIBLE LOCATIONS FOUND

POSSIBLE WELL LOCATED  
UTM 583685E/3763824N



OR WELL LOCATED AT  
UTM 583640E/3763880N



# Queen Mountain Quad

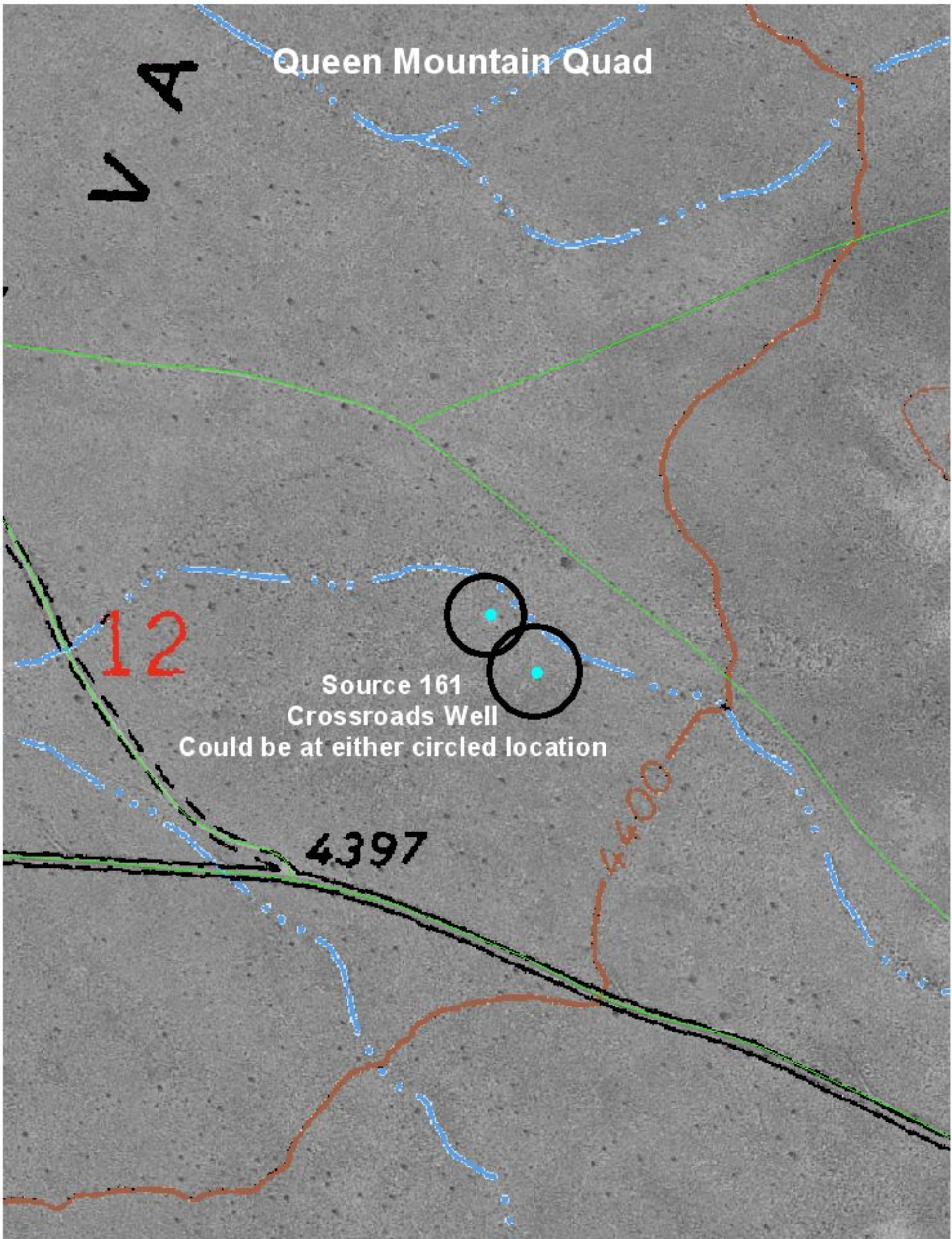
V A

12

Source 161  
Crossroads Well  
Could be at either circled location

4397

4400



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name          |
|-----------|---------------|
| 240       | Keys Drainage |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T1S      | R8E   | 31      | 575760/3766574 |

Casing Diameter

6"

Total Well Depth, from ground level. (decimal feet)

122.5

Depth to Water, from ground level. decimal feet)

| Date | Depth to Water |
|------|----------------|
|      |                |
|      |                |
|      |                |
|      |                |

Comments

Dry

# Indian Cove Quad

31

BM  
4042

4085

Cem 13

Water Source 240  
Keys Drainage Well

Keys Drainage Well

Keys Drainage Well

BM  
4106

X 4423

Water Source 241  
Cohn Drainage Well

4407

6

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name               |
|-----------|--------------------|
| 241       | Cohn Drainage Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T2S      | R8E   | 5       | 576144/3765455 |

Casing Diameter

8"

Total Well Depth, from ground level. (decimal feet)

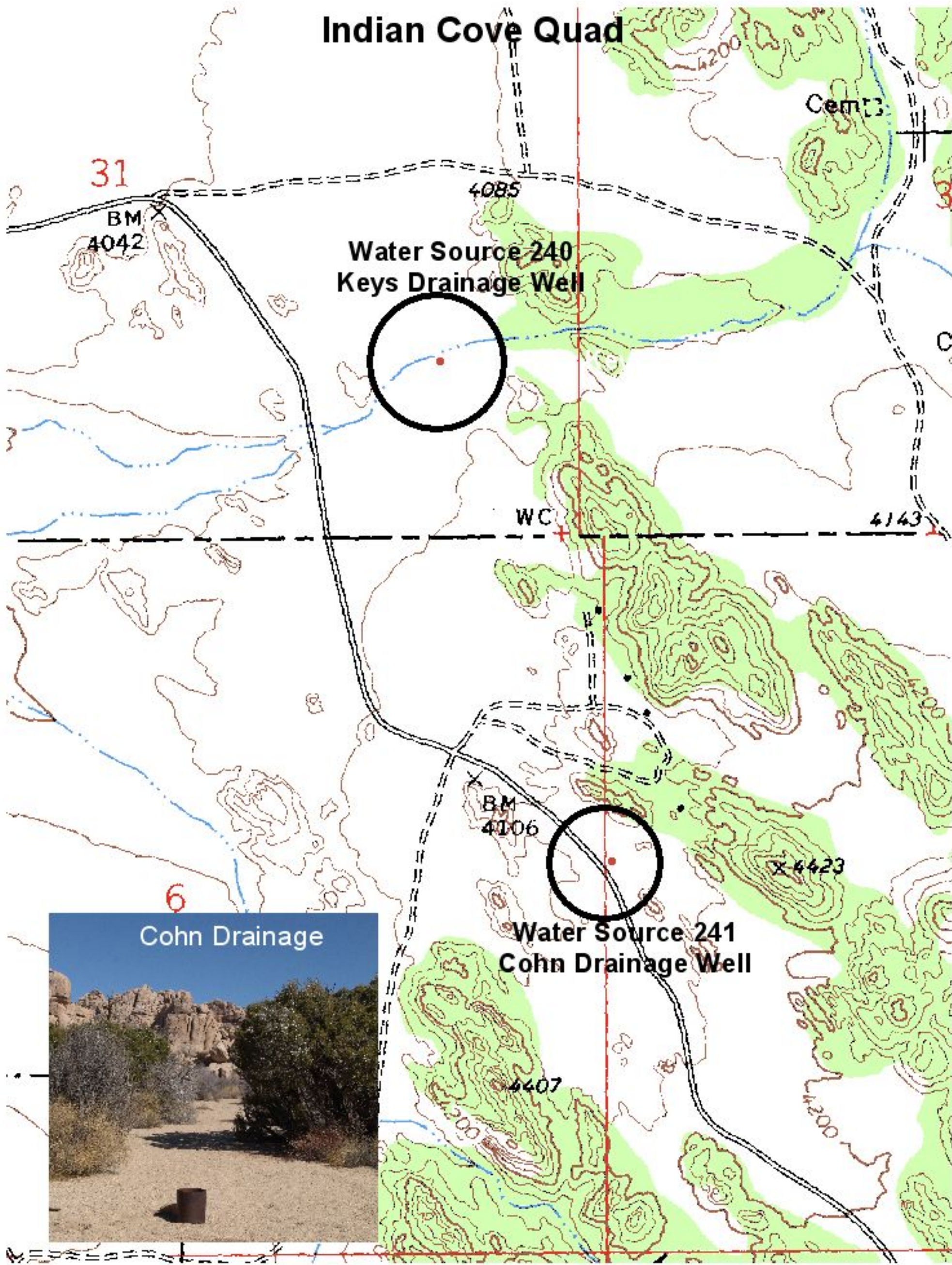
183.2

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 2-15-07 | 46.81          |
| 4-25-07 | 47.0           |
| 6-26-07 | 46.79          |
|         |                |

Comments

## Indian Cove Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 242       | Oasis of Mara (H-1) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83   |
|------------------|----------|-------|---------|------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 588555E/3776850N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | 57.27          |
| 5-11-07 | 57.45          |
| 8-15-07 | 57.49          |
|         |                |

Comments

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 243       | Oasis of Mara (H-2) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83  |
|------------------|----------|-------|---------|-----------------|
| Twentynine Palms | T1N      | R9E   | 33      | 58855E/3776850N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | Dry @55        |
| 5-11-07 | Dry @55        |
| 8-15-07 | Dry @55        |
|         |                |

Comments

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 245       | Oasis of Mara (J-2) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83   |
|------------------|----------|-------|---------|------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 588591E/3776750N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | 25.53          |
| 5-11-07 | 25.72          |
| 8-15-07 | 26.13          |
|         |                |

Comments

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 246       | Oasis of Mara (J-3) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83   |
|------------------|----------|-------|---------|------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 588589E/3776758N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | 25.29          |
| 5-11-07 | 25.53          |
| 8-15-07 | 26.11          |
|         |                |

Comments

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 247       | Oasis of Mara (J-4) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83    |
|------------------|----------|-------|---------|-------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 5885591E/3776758N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | Dry            |
| 5-11-07 | Dry            |
| 8-15-07 | Dry            |
|         |                |

Comments

Sounder bottoms at 22 to 23 Feet.

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 249       | Oasis of Mara (K-2) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83   |
|------------------|----------|-------|---------|------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 588237E/3776780N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | 33.05          |
| 5-11-07 | 33.21          |
| 8-15-07 | 34.99          |
|         |                |

Comments

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 250       | Oasis of Mara (K-3) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83   |
|------------------|----------|-------|---------|------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 588277E/3776780N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | Dry            |
| 5-11-07 | Dry            |
| 8-15-07 | Dry            |
|         |                |

Comments

Sounder bottoms out at 24 feet

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 251       | Oasis of Mara (K-4) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83   |
|------------------|----------|-------|---------|------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 588282E/3776766N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water  |
|---------|-----------------|
| 1-5-07  | Blocked<br>@25' |
| 5-11-07 | Blocked<br>@25' |
| 8-15-07 | Blocked<br>@25' |
|         |                 |

Comments

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                |
|-----------|---------------------|
| 252       | Oasis of Mara (K-5) |

Map Information

| Topo Quad        | Township | Range | Section | UTM E/N NAD 83   |
|------------------|----------|-------|---------|------------------|
| Twentynine Palms | T1N      | R9E   | 33      | 588282E/3776766N |

Casing Diameter

Total Well Depth, from ground level. (decimal feet)

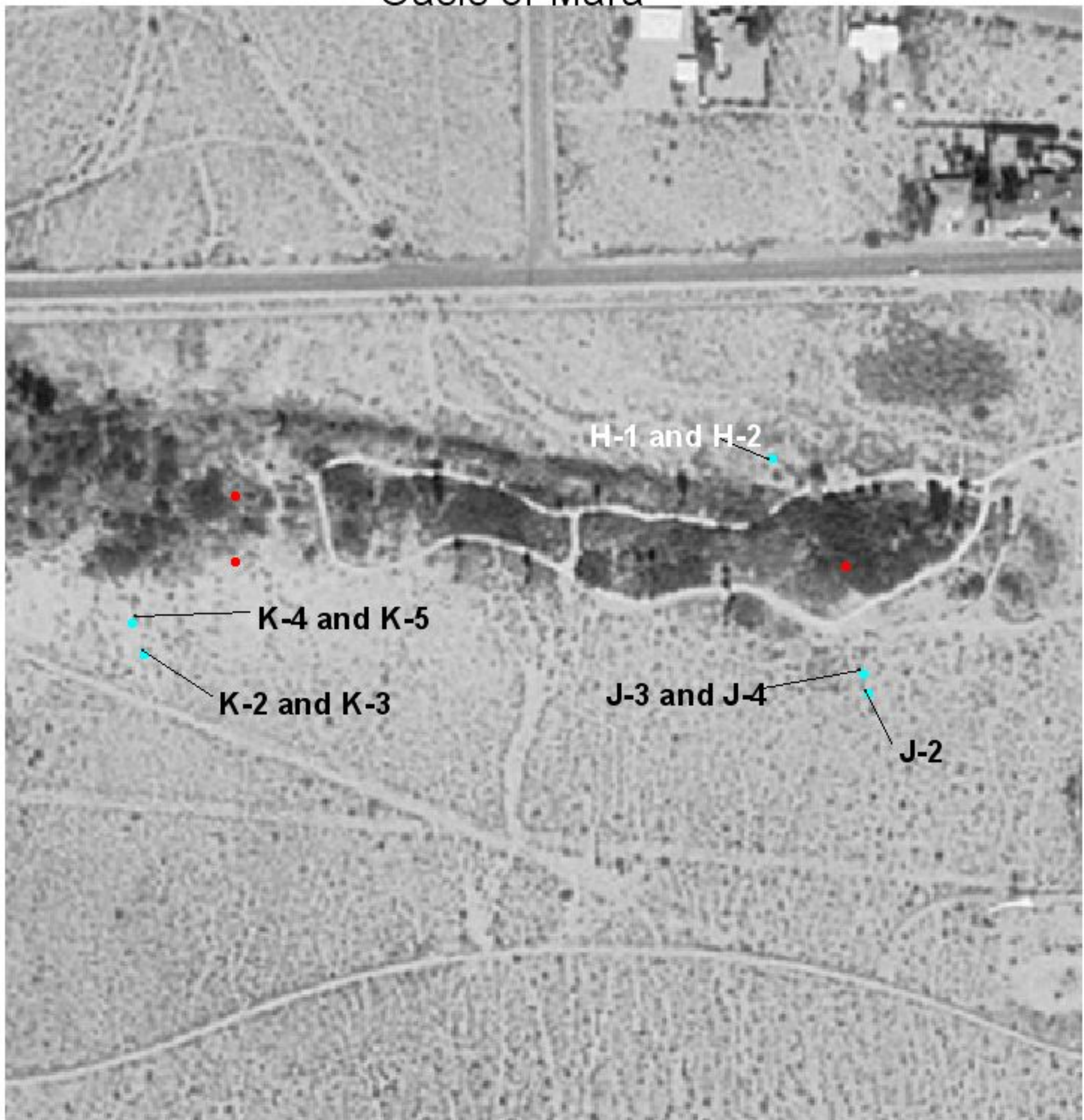
Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-5-07  | 33.31          |
| 5-11-07 | 33.37          |
| 8-15-07 | 33.78          |
|         |                |

Comments

# Twentynine Palms Quad

## Oasis of Mara



- Not found
- Found

Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                     |
|-----------|--------------------------|
| 280 NEW   | Cow Camp Sand Point Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T1S      | R8E   | 32      | 577194/3766516 |

Casing Diameter

11/4"

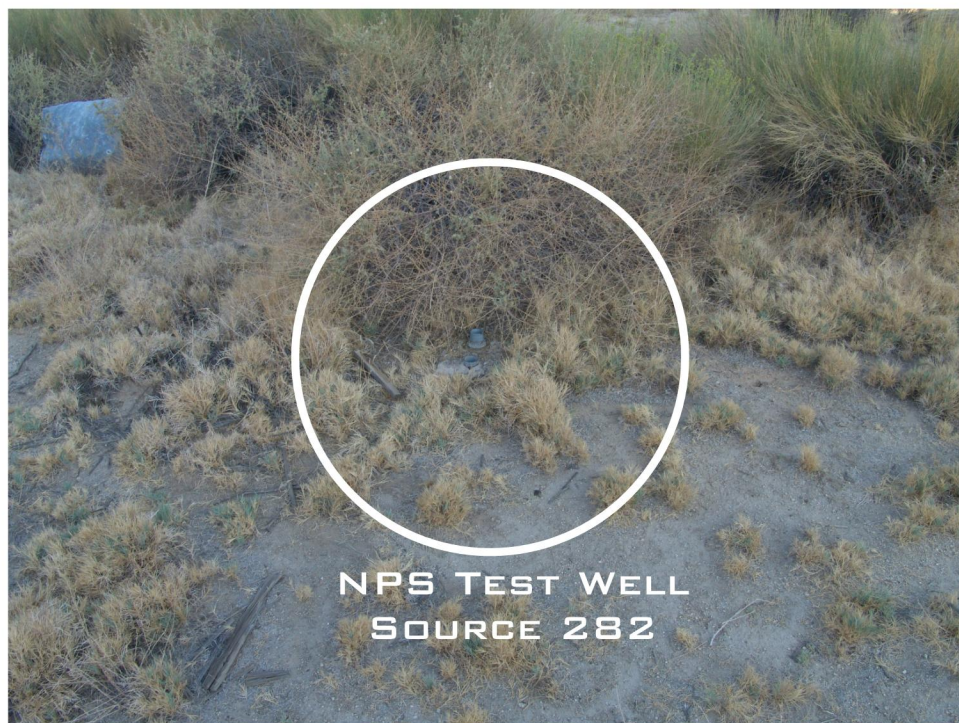
Total Well Depth, from ground level. (decimal feet)

30.55

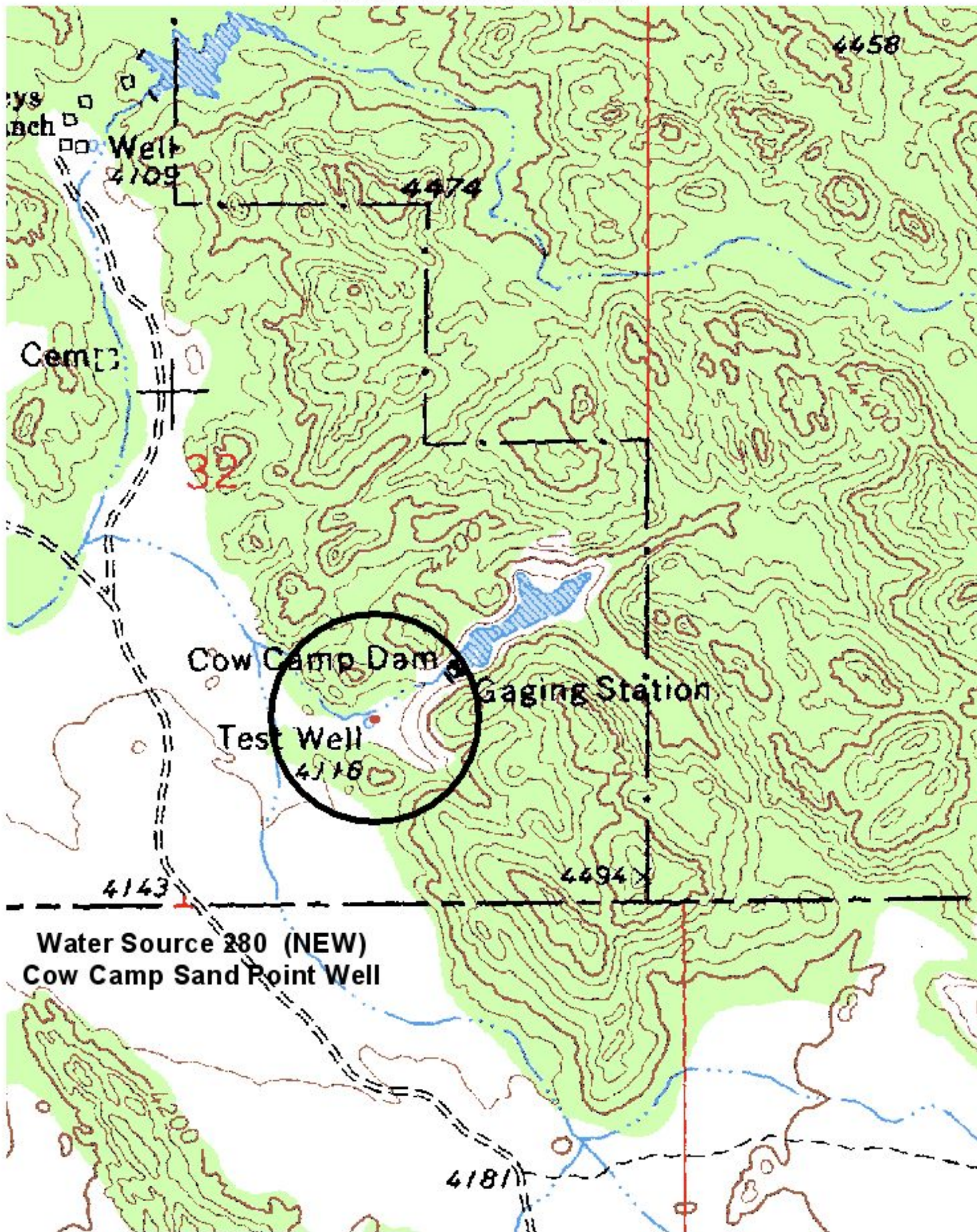
Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 2-7-07  | 23.75          |
| 5-1-07  | 24.88          |
| 8-15-07 | 26.71          |
|         |                |

Comments



# Indian Cove Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                             |
|-----------|----------------------------------|
| 281       | Wall Street Mill Sand Point Well |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T1s      | R8E   | 33      | 580023/3766453 |

Casing Diameter

1 ¼"

Total Well Depth, from ground level. (decimal feet)

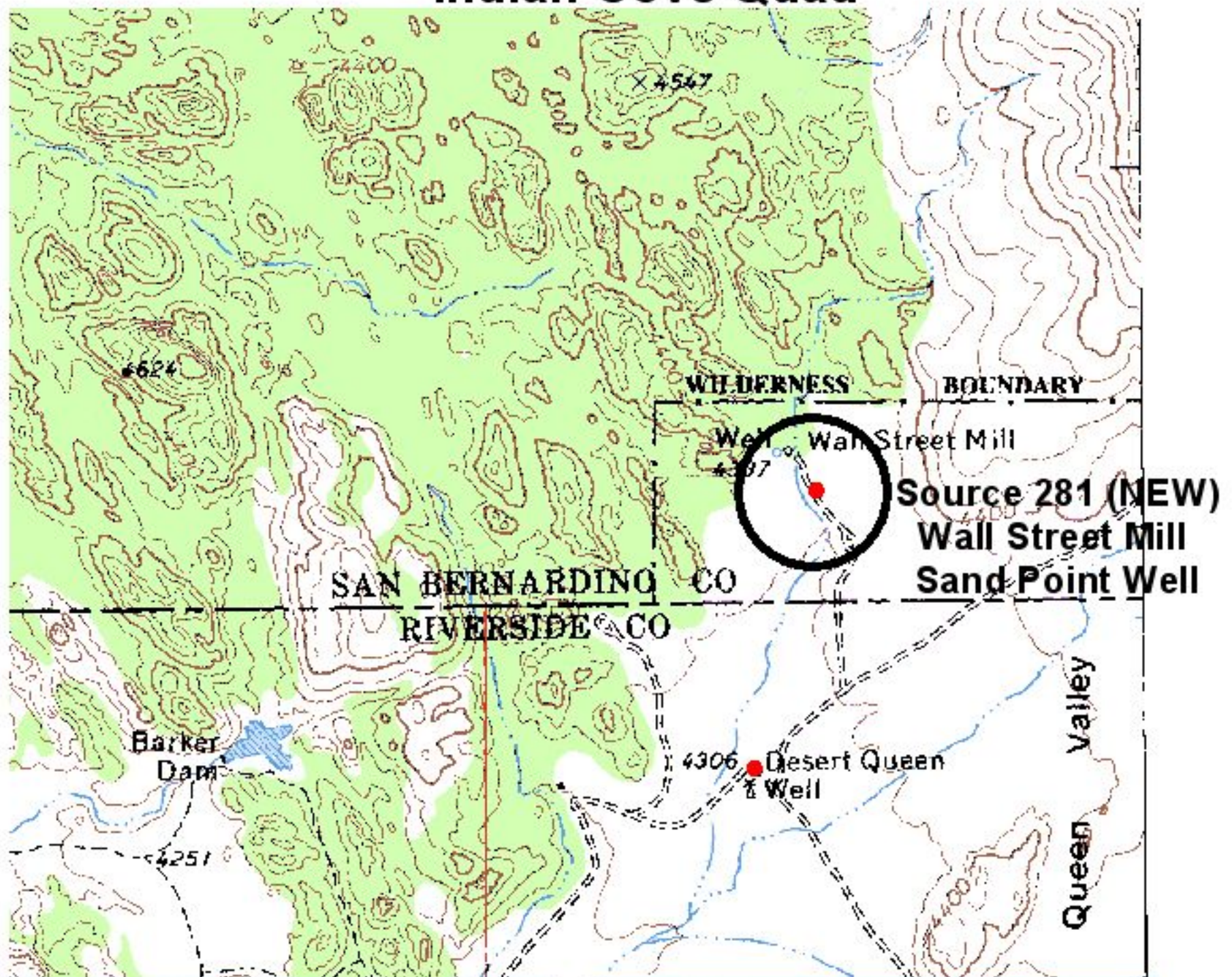
37.51'

Depth to Water, from ground level. decimal feet)

| Date    | Depth to Water |
|---------|----------------|
| 1-30-07 | 28.83          |
| 5-1-07  | 30.00          |
| 8-16-07 | 31.41          |
|         |                |

Comments

# Indian Cove Quad



Joshua Tree National Park  
Resources Division

Water Source Supplemental Report  
Drilled Wells

Water Source

| ID Number | Name                      |
|-----------|---------------------------|
| 282 NEW   | NPS Test Well at Cow Camp |

Map Information

| Topo Quad   | Township | Range | Section | UTM E/N NAD 83 |
|-------------|----------|-------|---------|----------------|
| Indian Cove | T1S      | R8E   | 32      | 577198/3766515 |

Casing Diameter

2"

Total Well Depth, from ground level. (decimal feet)

23.78

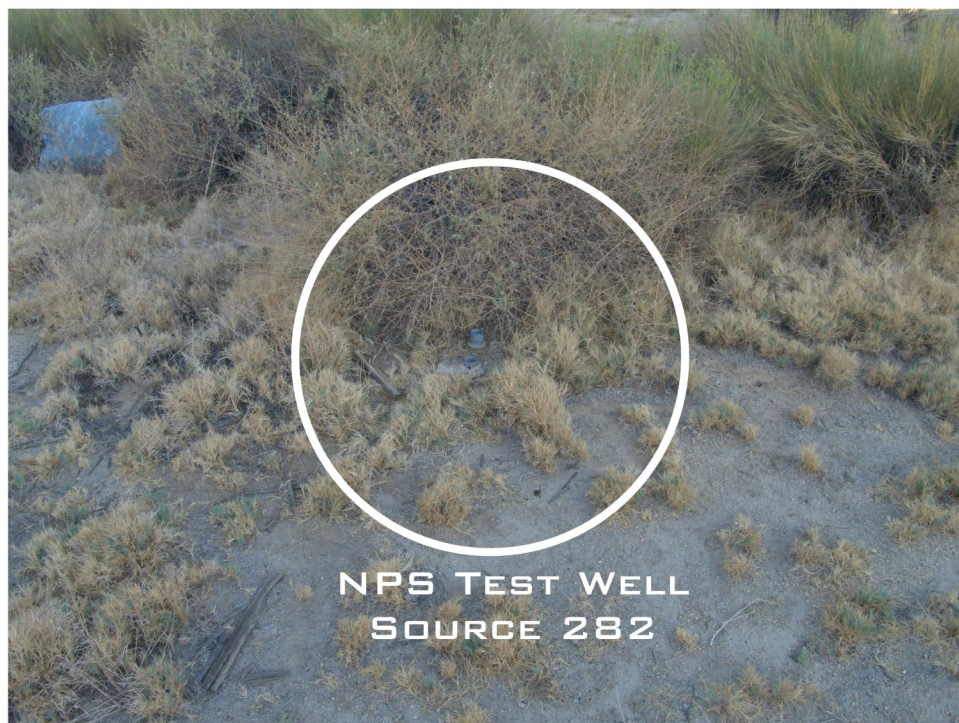
Depth to Water, from ground level. decimal feet)

| Date | Depth to Water |
|------|----------------|
|      |                |
|      |                |
|      |                |
|      |                |

Comments

Dry

Another 2inch diameter casing is located about 6'''  
east and is blocked at 18''  
The well casings are surrounded by a  
12"x12" concrete pad



# Indian Cove Quad

