Division of Water Resources
Capitol Complex
123 W Nye Lane
Carson City, Nev. 89710

Oct. 10, 1991

Sirs:

This letter is in regards to the plugging of three monitor wells for Sierra Pacific Power in Reno, Nevada at their pole yard.

The first two holes were outside the fence at the pole yard. We sat the drill up on each hole. We drilled the concrete seals and casing out of these holes. They were then filled with neat cement to 5 ft. from the surface. The top 5 ft. of the holes were filled in with native material.

The third hole was in the pole yard. We sat up on this well and pulled the cement seal down to approximately 2 ft. below land surface. We filled the casing with neat cement and covered the hole with native material. This was the completion of the abandonment process for these three wells.

Sincerely,

Derild Parsons
Parsons Drilling, Inc.
Lic # 1696

Waiver 19/0-205

Log# 85878

GERAGHTY & MILLER, INC.
*Environmental Services*

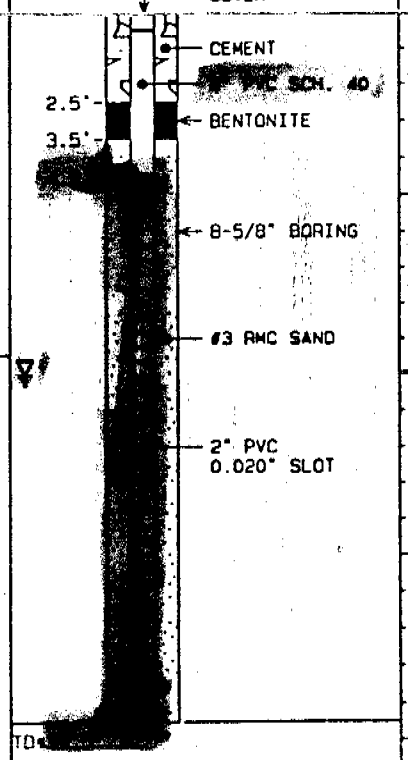
# BORING/WELL INSTALLATION LOG

PROJECT NO. NV02101 GEOLOGIST M. CHIODI WELL NO. SPR-1
LOCATION RENO, NV DRILLER ED DATE STARTED 1-22-90
[redacted]

DRILLING METHOD (S) STRAIGHT AIR & TUBEX
SAMPLING METHOD (S) 0-19.5 FEET: DRIVEN STEEL CASING
5 FT. INTERVALS
WELL DEVELOPMENT-DATE 1-30-90
METHOD (S) /GALLONS PURGED HAND BAILED / 15 GALLONS
HA= 87
COMMENTS [redacted] Local no= N19 E20 17da.

| DEPTH (ft) | SAMPLE TYPE/ RECOVERY% | ANALYTICAL SAMPLE | BLOW COUNTS/6in | PID SAMPLE | HEADSPACE PID READING VALUE | HEADSPACE PID READING PROFILE -50 -100 -150 -200 | LITHOLOGIC COLUMN | U.S.C.S. | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| | DRIVEN CASING 100% RECOVERY | | | | | | | CL | SILTY SANDY CLAY, DARK BROWN W/RUST-COLORED MOTTLING |
| 5 | | | | | | | | | |
| 10 | | | | | | | | GP | COBBLES (3-4"), WELL ROUNDED, IN MATRIX OF WELL SORTED FINE TO MEDIUM SAND, MOIST |
| 15 | | | | | | | | | SATURATED. SIZE INCREASED TO >5" |
| 20 | | | | | | | | | TD=19.5' |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |

WELL INSTALLATION DATA
PERMIT NO.




DEPTH (ft)

Log # 85879

GERAGHTY
& MILLER, INC.
*Environmental Services*

# BORING/WELL INSTALLATION LOG

PROJECT NO. NV02101 GEOLOGIST M. CHIODI [redacted]

LOCATION [redacted] DRILLER [redacted] STARTED 1-23-90

[redacted] METHOD (S) STRAIGHT AIR & TUBE [redacted]

SAMPLING METHOD (S) 0-20.0 FEET: DRIVEN STEEL CASING [redacted]

5 FT. INTERVALS

WELL DEVELOPMENT-DATE 1-30-90

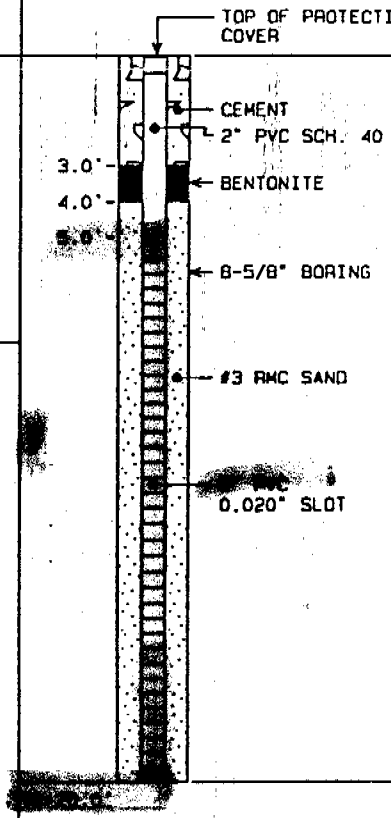
METHOD (S) /GALLONS PURGED HAND BAILED / 20 GALLONS

HA= [redacted]

COMMENTS Warner M/O-205 Local no = [redacted]

| DEPTH (ft) | SAMPLE TYPE/ RECOVERY% | ANALYTICAL SAMPLE | BLOW COUNTS/6in | PID SAMPLE | HEADSPACE PID READING VALUE | HEADSPACE PID READING PROFILE (50 100 150 200) | LITHOLOGIC COLUMN | U.S.C.S. | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| 0–8 | DRIVEN CASING 100% RECOVERY | | | | | | | ML | SILTY V. FINE SAND, BROWN, SLIGHTLY INDURATED, DRY |
| 8–20 | | | | | | | | GP | COBBLES (1-3"), WELL ROUNDED, IN MATRIX OF SILTY FINE SAND, BROWN, MOIST |
| | | | | | | | | | SATURATED, SIZE INCREASED TO >5" MATRIX IS FINE TO MEDIUM SAND |
| | | | | | | | | | SIZE DECREASED TO 2-4", MATRIX IS SILTY FINE SAND (60% OF SAMPLE) |
| 20 | | | | | | | | | TD=20' |

WELL INSTALLATION DATA
PERMIT NO.




DEPTH (ft): 5, 10, 15, 20, 25, 30

Log # 85880

GERAGHTY & MILLER, INC.
*Environmental Services*

# BORING/WELL INSTALLATION LOG

PROJECT NO. NV02101 GEOLOGIST M. CHIODI WELL NO. [redacted]-3

[redacted] DATE STARTED 1-24-90

DRILLING METHOD(S) STRAIGHT AIR & TUBE [redacted]

SAMPLING METHOD(S) 0-20.0 FEET: DRIVEN STEEL CASING TOTAL DEPTH 24 ft

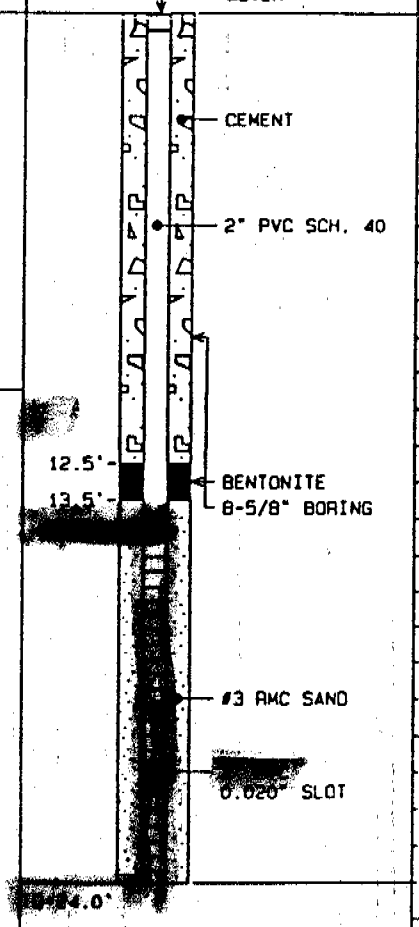
5 FT INTERVALS

WELL DEVELOPMENT-DATE 1-30-90 Washoe Cnty.

METHOD(S) /GALLONS PURGED HAND BAILED / 12 GALLONS

HA-[redacted]

COMMENTS [redacted] lead no = NIR E20 17 Ja

| DEPTH (ft) | SAMPLE TYPE/ RECOVERY% | ANALYTICAL SAMPLE | BLOW COUNTS/6in | PID SAMPLE | HEADSPACE PID READING VALUE | HEADSPACE PID READING PROFILE (50 100 150 200) | LITHOLOGIC COLUMN | U.S.C.S. | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| | DRIVEN CASING 100% RECOVERY | | | | | | | ML | SILTY V. FINE SAND, BROWN, DRY |
| 5 | | | | | | | | | |
| | | | | | | | | | GRAY, MOIST, NO ODOR |
| 10 | | | | | | | | GP | COBBLES (1-4"), WELL ROUNDED, IN MATRIX OF FINE TO MEDIUM SAND |
| 15 | | | | | | | | | |
| | | | | | | | | | SATURATED, FINE FLOWING SAND IN DISCHARGE |
| 20 | | | | | | | | | COBBLES (1-3") DECREASE TO 20%, 6" OF SAND FLOWING UP DRILLSTEM |
| | | | | | | | | | FINE SAND IN DISCHARGE, 6" FLOWING UP DRILLSTEM |
| 25 | | | | | | | | | TD=24' |
| 30 | | | | | | | | | |

WELL INSTALLATION DATA
PERMIT NO.