

New Bostown well

WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

STATE OF NEVADA DIVISION OF WATER RESOURCES WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 84180
Permit No. _____
Basin 58

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 39106

1. OWNER U. S. Geological Survey ADDRESS AT WELL LOCATION SR 305, 30 miles north of US 50, Reese River narrows, gate number 62
MAILING ADDRESS 333 W. Nye Lane Carson City, NV

2. LOCATION SW 1/4 SE 1/4 Sec. 8 T. 24 N/S R. 43 E Lander County
PERMIT NO. M/0-1212 Issued by Water Resources Parcel No. 05-040-01 Subdivision Name _____

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock

5. WELL TYPE
 Cable Rotary RVC
 Air Other _____

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thick-ness |
|---|--------------|------|-----|------------|
| Gravel, sand, silt, and clay | | 0 | 60 | 60 |
| Gray and green silt-stone | x | 60 | 120 | 60 |
| Highly fractured siltstone and sand-stone | | 120 | 138 | 18 |
| Black & gray siltstone with thin layers of gray sandstone | | 138 | 215 | 77 |
| Red and gray-green siltstone | x | 215 | 360 | 145 |

8. WELL CONSTRUCTION
Depth Drilled 360 Feet Depth Cased 360 Feet

HOLE DIAMETER (BIT SIZE)

| | From | To |
|-------------------|----------|----------|
| <u>7/8</u> Inches | 0 Feet | 68 Feet |
| <u>8.0</u> Inches | 68 Feet | 105 Feet |
| <u>6.0</u> Inches | 105 Feet | 360 Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|--------------------|---------------------|-------------------------|-------------|-----------|
| 8 | steel | 0.188 | +1 | 65 |
| 2 | PVC | Sched. 80 | +1 | 110 |
| 2 | PVC | Sched. 80 | +1 | 360 |

Perforations: Machine slot
Type perforation _____
Size perforation 0.921"
From 84 feet to 104 feet
From 339 feet to 359 feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 0-71, 110-114, 137-317 Cement Grout
Placement Method: Pumped Concrete Grout
 Poured Pure Gole grout
Gravel Packed: Yes No
From 71-110, 114-137 feet to 317-360 feet

9. WATER LEVEL
Static water level 48 and 52 feet below land surface
Artesian flow _____ G.P.M. _____ P.S.I.
Water temperature _____ °F Quality _____

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Douglas K. Maurer Contractor
Address USGS 333 W. Nye Lane Carson City, NV Contractor

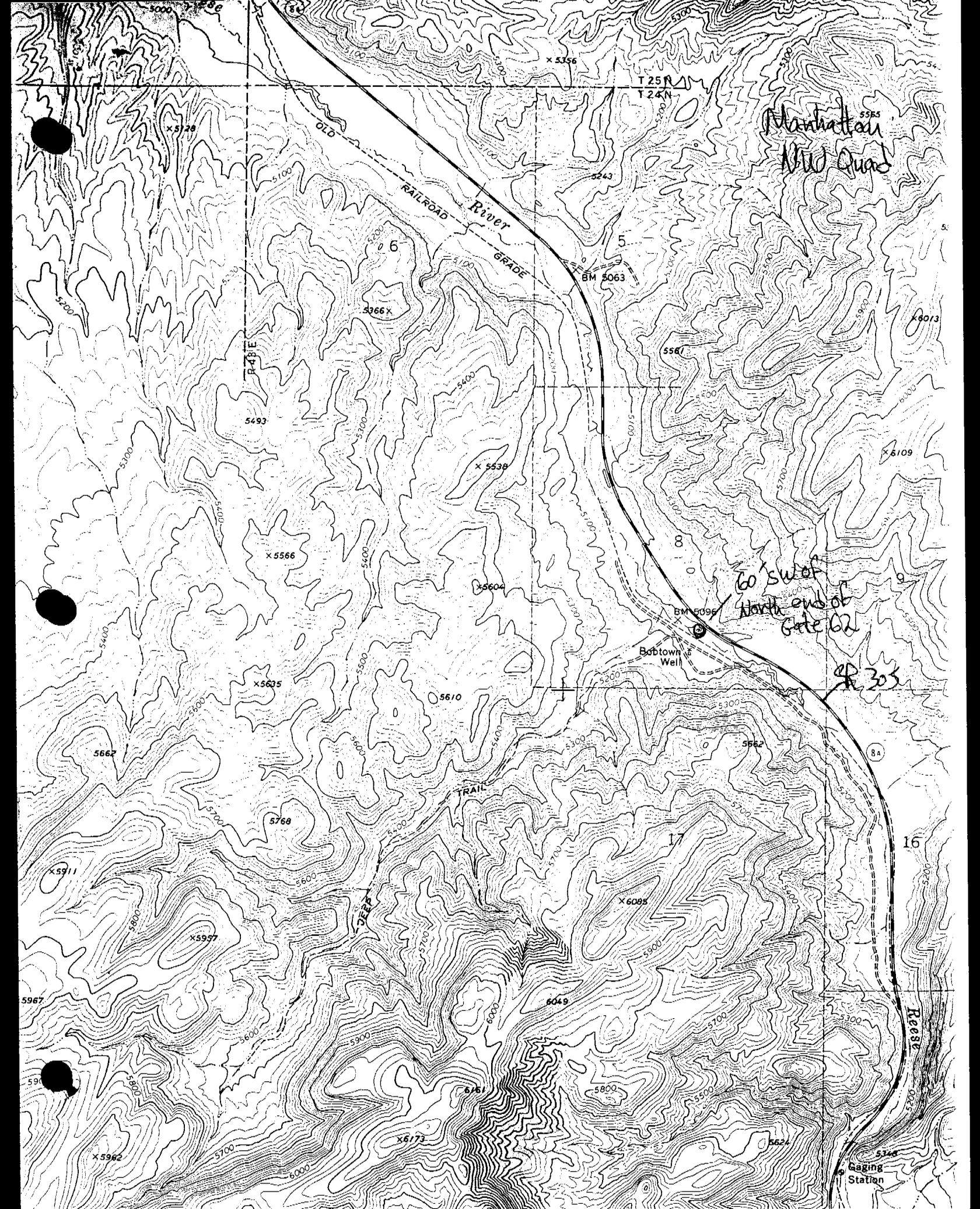
Nevada contractor's license number issued by the State Contractor's Board _____
Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP 1522
Signed Douglas K. Maurer
By driller performing actual drilling on site or contractor
Date 7/3/01

Date started June 24, 2001
Date completed June 28, 2001

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

| | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---------|--------|-------------------------------|--------------|
| Shallow | 10 | ? | 1 |
| Deep | 15 | ? | 1 |



Manhattan
New Quad

60' SW of
North end of
Gate 62

R 305

B 41 E

RAILROAD
River
GRADE

TRAIL

DEEP

Bobbtown
Well

Gaging
Station

T 25 N

T 24 N

16

17

8A

X 5356

X 5728

5366 X

X 5538

5493

X 5566

X 5604

X 5635

5610

5662

5768

X 5911

X 5957

5967

X 5982

X 6173

6176

6049

X 6085

5562

5346

X 6013

X 6109

5300

5346

BM 5063

BM 5096

5346

Gaging
Station