

Stagecoach/Churchill Well 1 - East

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

OFFICE USE ONLY
Log No. 109429
Permit No. 103
Basin pg 103
NOTICE OF INTENT NO. 38111

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

1. OWNER US Geological Survey
MAILING ADDRESS 2730 N. Deer Run Rd. Carson City, NV

ADDRESS AT WELL LOCATION 0.7 miles east of Stagecoach Drive
on US 50; 0.3 miles north of US 50 on dirt road

2. LOCATION SW 1/4 SW 1/4 Sec 31 T 18N N/S R 24 E
PERMIT/WAIVER No. M/O-1534A 015-191-27
Issued by Water Resources Parcel No.

Subdivision Name: N/A County: Lyon
Latitude 39.37772 UTM E Longitude 119.34234 N
 NAD 27 NAD 83/WGS 84

3. WORKED PERFORMED
 New Well Replace Recondition
 Deepen 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 |
|-------------------------------|--------------|------|-----|------------|
| sand, gravel, and silt | | 0 | 18 | 18 |
| semi-consolidated clay | | 18 | 22 | 4 |
| coarse sand, gravel, and clay | | 22 | 60 | 38 |
| clay, coarse sand, and gravel | | 60 | 100 | 40 |
| coarse sand, gravel, and clay | | 100 | 140 | 40 |
| clay, coarse sand, and gravel | | 140 | 215 | 75 |
| coarse sand, gravel, and clay | | 215 | 230 | 15 |
| clay and coarse sand | | 230 | 250 | 20 |
| coarse sand and clay | X | 250 | 280 | 30 |
| clay and coarse sand | | 280 | 360 | 80 |
| coarse sand and clay | X | 360 | 420 | 60 |
| coarse sand, lost circulation | X | 420 | 462 | 42 |

39.377805 N
119.341340 W
NAD 27 (T8)

9. WELL CONSTRUCTION

| Depth Drilled | Feet | Depth Cased | Feet |
|---------------|------|-------------|------|
| 462 | | 375 | |

HOLE DIAMETER (BIT SIZE)

| From | To | Feet | Feet |
|-------|----|------|------|
| 8 3/4 | 0 | 462 | |

CASING SCHEDULE - 2 Strings

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|--------------------|---------------------|-------------------------|-------------|-----------|
| 2 | | Schedule 80 | 0 | 375 |
| 2 | | Schedule 80 | 0 | 285 |

Perforations:

| Type of perforation | Machine slot |
|---------------------|--------------|
| Size of perforation | 0.01 |
| From 260 | feet to 280 |
| From 360 | feet to 370 |

Annular Seal: Yes No
 Neat Cement to Pumped Poured
 Cement Grout 388 to 462 Pumped Poured
 Concrete Grout 347 to 291 Pumped Poured
 20% Bentonite Grout 0 to 243 Pumped Poured
Gravel Pack: Yes No 347 to 388 Pumped Poured
Type: SRI # 6 sand, 2nd gravel pack 243 feet to 291 feet
Bentonite Chips: Yes No Pumped Poured

Date started: 6-May 20 09
Date completed: 10-May 20 09

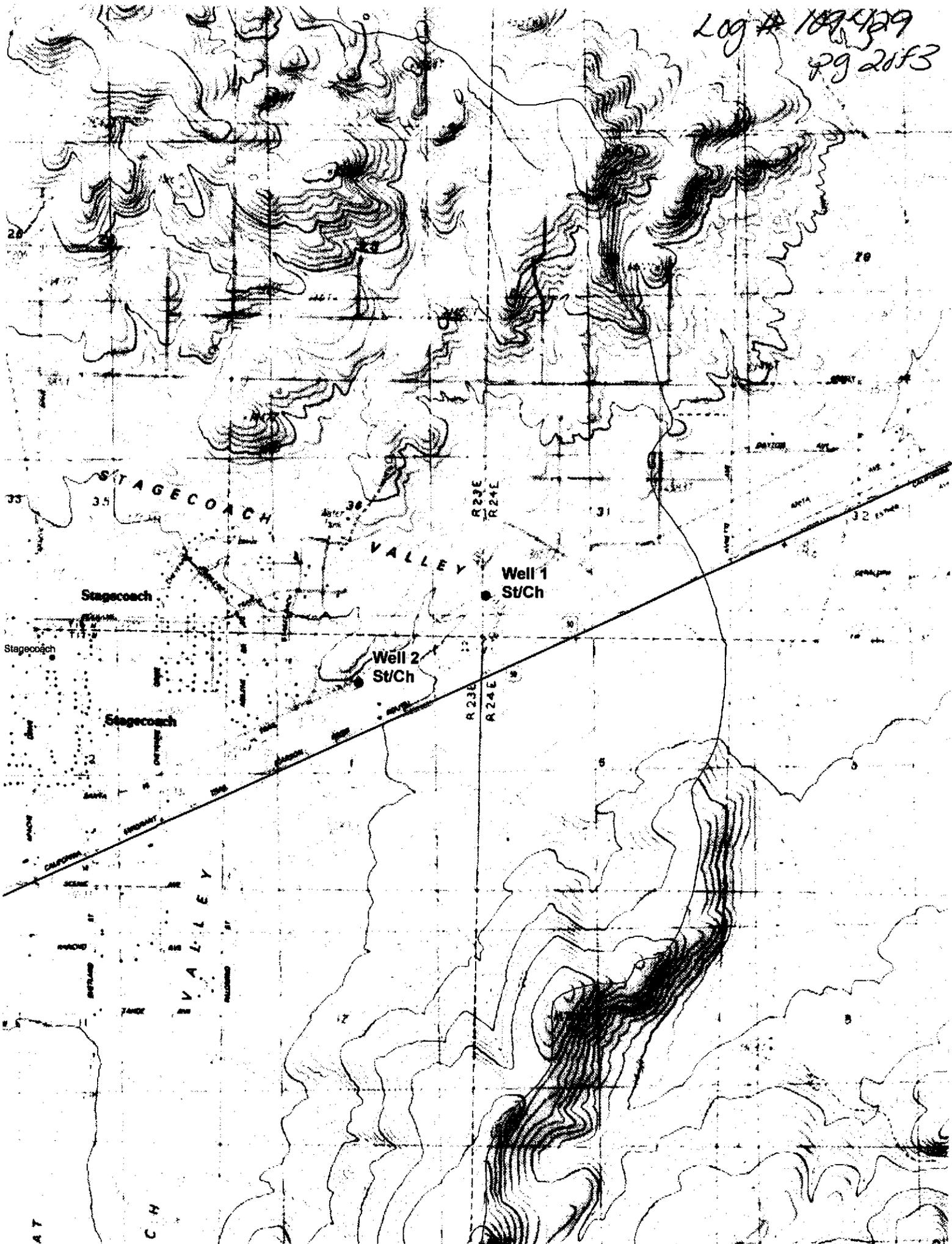
7. Water Level
Static water level: 244 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

8. WELL TEST DATA

| TEST METHOD: | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|--|--------|-------------------------------|--------------|
| <input type="checkbox"/> Bailor <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift | | | |
| shallow well | <1 | N/A | 3 |
| deep well | 3 | N/A | 3 |

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
Address USGS 2730 N. Deer Run Rd., Carson City, NV 89701
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
Date 5/19/2009

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Well 1
SVCh

0.3 miles

Well 2
SVCh

0.25 miles

0.75 miles

Stagecoach
Drive