

OFFICE USE ONLY
88483

Log No. _____
Permit No. _____
Basin 159
NOTICE OF INTENT NO. 24277
ER-2-1, Area 2
Nevada Test Site

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

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

COPIES TO
- DIVISION OF WATER RESOURCES
- CLIENT'S COPY
- WELL DRILLER'S COPY

PRINT OR TYPE ONLY

1. OWNER Nat'l Nuclear Security Admin NV Site Office
MAILING ADDRESS PO Box 98518
Las Vegas NV 89193-8518
27 T 9 S R 53 E
Subdivision Name N/A

2. LOCATION NW 1/4 SW 1/4 Sec N/A
Parcel No. _____
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 Air / Foam

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other

8. WELL CONSTRUCTION
Depth Drilled 2600 Feet Depth Cased 2079.2 Feet
HOLE DIAMETER (BIT SIZE)
From _____ To _____
36 Inches _____ 0 Feet _____ 119 Feet
18-1/2 Inches _____ 119 Feet _____ 1700 Feet
12-1/4 Inches _____ 1700 Feet _____ 2600 Feet

LITHOLOGIC LOG				
Material	Water Strata	From	To	Thickness
<u>Alluvium-Tuffaceous Ash-Flow Tuff: Nonwelded to partially welded (Tma)</u>	<u>N</u>	<u>0</u>	<u>1395</u>	<u>1395</u>
<u>Bedded Tuff: Vitric (Tmab)</u>	<u>N</u>	<u>1395</u>	<u>1470</u>	<u>75</u>
<u>Ash-Flow Tuff: Nonwelded to densely welded, vitric to devitrified (Tmr)</u>	<u>Y</u>	<u>1470</u>	<u>1895</u>	<u>425</u>
<u>Bedded Tuff: Vitric becoming zeolitic with depth</u>	<u>Y</u>	<u>1895</u>	<u>2600</u>	<u>705</u>

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>20</u>	<u>94</u>	<u>0.5</u>	<u>0</u>	<u>117.65</u>
<u>13-3/8</u>	<u>54.5</u>	<u>0.43</u>	<u>0</u>	<u>1643.9</u>
<u>7-5/8</u>	<u>26.4</u>	<u>0.328</u>	<u>0</u>	<u>2079.2</u>

Perforations:
Type perforation Slots
Size perforation 0.12 inch wide x 3 inch long, 18 per ring
From 7-5/8" 1641.8 feet to 2079.2 feet
From 2-7/8" 2495.4 feet to 2558.6 feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 119 Cement Grout
Placement Method: Pumped Concrete Grout
 Poured
Gravel Packed: Yes No 2558 feet
From 2-7/8" 2313 feet to _____

9. WATER LEVEL
Static water level _____ 1738 feet below land surface
Artesian flow N/A G.P.M. _____ P.S.I.
Water temperature 78.6 °F Quality Excellent

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Bechtel Nevada Corporation (CONTRACTOR)
Address PO Box 98521 (CONTRACTOR)
Las Vegas NV 89193-8521

Nevada contractor's license number _____
issued by the State Contractor's Board 0048068
Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP-2127
Signed [Signature]
By driller performing actual drilling on site or contractor
Date April 7, 2003

Date started January 22, 20 03
Date completed March 7, 20 03

7. TEST METHOD:

G.P.M.	WELL TEST DATE		Time (Hours)
	<input type="checkbox"/> Bailer	<input type="checkbox"/> Pump	
	<input type="checkbox"/> Draw Down (Feet Below Static)	<input type="checkbox"/> Air Lift	

DCNR/DWR RECEIVED
APR 08 2003
LAS VEGAS OFFICE

Bechtel Nevada

**Mailing address: P.O. Box 98521
Las Vegas, NV 89193-8521**

**Express mail only: 2621 Losee Road
North Las Vegas, NV 89030-4129**

B500-KO-03-0010

March 25, 2003

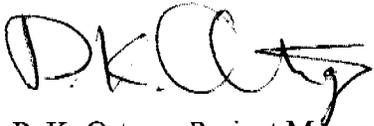
Robert Coache, Chief Engineer
Southern Nevada Branch Office
Division of Water Resources
400 Shadow Lane Suite #201
Las Vegas, NV 891016

Subject: **WELL DRILLER'S REPORT FOR ER-2-1, NOTICE OF INTENT NO. 24277**
Project No. 04026

Reference letter from G. W. Johnson to R. Coache, dated March 5, 1999, regarding licensing of U.S. Department of Energy, Nevada Operations Office drilling services.

In accordance with the intent of the referenced letter, Bechtel Nevada, as a matter of comity, is submitting the enclosed Well Driller's Report for the subject well.

If you have any questions, please contact me at 295-0634.



P. K. Ortego, Project Manager
Underground Test Area

PKO:mo
Subject Code: ENV 35

Enclosure: as stated

cc w/enc.
R. M. Bangerter, Jr., NNSA/NSO, 505

cc w/o enc.
Correspondence Control, CF008

DCNR/DWR
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APR 08 2003

LAS VEGAS OFFICE

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT (*continued*)

NOTICE OF INTENT NO. 24277

ADDRESS AT WELL LOCATION Nevada Test Site Area 2, Well ER-2-1

Continued from Page 1, CASING SCHEDULE

Size O.D. Inches	Weight/Ft Pounds	Wall Thickness (Inches)	From (Feet)	To (Feet)
2-7/8	7.66	0.276	0	2558.6

Gravel Packed: No
No gravel pack for the 7-5/8 inch casing

DCNR/DWR
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LAS VEGAS OFFICE