

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

OFFICE USE ONLY
 Log No. Log # 88009
 Permit No. _____
 Basin 158B

PRINT OR TYPE ONLY

Please complete this form in its entirety in accordance with NRS 531.170 and NAC 534.340

NOTICE OF INTENT NO. 24275

1. OWNER Nat'l Nuclear Security Admin NV Site Office ADDRESS AT WELL LOCATION ER-7-1
 MAILING ADDRESS PO Box 98518 Nevada Test Site
Las Vegas NV 89193-8518

2. LOCATION NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 17 T 10 S R 54 E Nye County
 PERMIT NO. Waiver R-1024C Parcel No. N/A Subdivision Name N/A
Issued by Water Resources Parcel No 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 Air/Foam

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Alluvium: Tuffaceous	N	0	215	215
Ash-flow tuff: Nonwelded to partially welded	N	215	420	205
Bedded Tuffs: Vitric (pre-Tmr, post-Tbg)	N	420	965	545
Bedded Tuffs: Zeolitic, minor interbedded ash-flow tuffs	N	965	1,670	705
Paleocolluvium: Red, tuffaceous, argillic, limestone clasts.	N	1,670	1,690	20
Limestone: Dense	Y	1,690	2,500	810+
			TD	

8. WELL CONSTRUCTION

Depth Drilled 2,500 Feet Depth Cased 2,481.7 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>36</u> Inches	<u>0</u> Feet <u>120</u> Feet
<u>18-1/2</u> Inches	<u>120</u> Feet <u>1,775</u> Feet
<u>12-1/4</u> Inches	<u>1,775</u> Feet <u>2,500</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>20</u>	<u>94</u>	<u>0.438</u>	<u>0</u>	<u>120</u>
<u>13-3/8</u>	<u>61 / 54.5*</u>	<u>0.430 / 0.38*</u>	<u>0</u>	<u>1,755.6</u>
<u>7-5/8</u>	<u>26.4</u>	<u>0.328</u>	<u>0</u>	<u>2,481.7</u>

Perforations:

Type perforation Slotted *change at 1,110.5 ft
 Size perforation 0.08 inch x 2 inch, 12 rows on 6" centers

From	To
<u>2,181.5</u> feet to	<u>2,479.3</u> feet
_____ feet to	_____ feet
_____ feet to	_____ feet
_____ feet to	_____ feet
_____ feet to	_____ feet

Surface Seal: Yes No Seal Type: Neat Cement
 Depth of Seal 120 ft Cement Grout
 Placement Method: Pumped Concrete Grout
 Poured
 Gravel Packed: Yes No
 From _____ feet to _____ feet

9. WATER LEVEL

Static water level 1,854 feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature 125 °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)

Date started January 26, 20 03
 Date completed February 10, 20 03

7. WELL TEST DATE

TEST METHOD:	Bailer	Pump	Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	

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 03/06/03

LOG# 88009

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-03-0009

March 6, 2003

Robert Coache, Chief Engineer
Southern Nevada Branch Office
Division of Water Resources
400 Shadow Lane Suite #201
Las Vegas, NV 89101-6

Subject: **WELL DRILLER'S REPORT FOR ER-7-1, NOTICE OF INTENT NO. 24275**
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

RECEIVED

MAR 11 2003

LAS VEGAS OFFICE