

COPIES TO

- DIVISION OF WATER RESOURCES
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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

OFFICE USE ONLY

Log No. 87698Permit No. 159Basin 159NOTICE OF INTENT NO. 24274

PRINT OR TYPE ONLY

1. OWNER Nat'l Nuclear Sec Admin NV Site OfficeMAILING ADDRESS PO Box 98518Las Vegas NV 89193-8518ADDRESS AT WELL LOCATION ER-12-2Area 12 of the Nevada Test Site2. LOCATION SE 1/4 NE 1/4 Sec 12 T 9 S R 52 E Nye CountyPERMIT NO. Waiver R-1024CN/AN/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: mostly clasts of sandstone, quartzite, conglomerate of Eleana Fm. Lessor tuffaceous clasts.	N	0	450	450
Nonwelded tuff: zeolitic (Yucca Flat Tuff)	N	450	498	48
Bedded tuff: zeolitic (tunnel bed 1)	N	498	512	14
Moderate to partially welded ash-flow tuff: silicic (Redrock Valley Tuff, Tor)	N	512	570	58
Densely welded ash-flow tuff (Tor) quartz-feldspathic alt.	N	570	590	20
Moderately to partially welded ash-flow tuff (Tor) quartz-feldspathic alt.	N	590	610	20
Shale: brown to black, weakly calc, weakly fissile (Chainman Shale [Mc])	N	610	1560	950
Shale & limestone (Mc): black	N	1560	2028	468
Shale (Mc): Black	N	2028	2532	504
Quartzite with minor Interbedded Shale (Mc)	N	2532	3502	970
Shale (Mc)	N	3502	5493	1991
Interbedded shale quartzite	N	5493	5852	359
Quartzite (Mc)	N	5852	6150	290
Shale & minor interbedded quartzite (Mc)	N	6150	6546	396
Quartzite (Mc)	N	6546	6883 TD	337

8. WELL CONSTRUCTION

Depth Drilled 6883 Feet Depth Cased 2958.2 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>48</u> Inches	<u>0</u> Feet <u>119</u> Feet
<u>26</u> Inches	<u>119</u> Feet <u>794</u> Feet
<u>18.5</u> Inches	<u>794</u> Feet <u>2964</u> Feet
<u>12.25</u> Inches	<u>2964</u> Feet <u>6883</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>30</u>	<u>157.45</u>	<u>1/2</u>	<u>0</u>	<u>117</u>
<u>20</u>	<u>94.0</u>	<u>0.438</u>	<u>0</u>	<u>809</u>
<u>13-3/8</u>	<u>54.5 / 61.0</u>	<u>0.380 / 0.430</u>	<u>0</u>	<u>2958.2</u>

Perforations:

Type perforation None. Open-hole completion.

Size perforation

From	feet to	feet

Surface Seal: Yes No

Seal Type:

Depth of Seal 117 Neat CementPlacement Method: Pumped Cement Grout Poured Concrete GroutGravel Packed: Yes No

From _____ feet to _____ feet

9. WATER LEVEL

Static water level 267 feet below land surfaceArtesian flow N/A G.P.M. _____ P.S.I.Water temperature 145 °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 Bechtel Nevada Corporation

(CONTRACTOR)

Address PO Box 98521

(CONTRACTOR)

Las Vegas NV 89193-8521Nevada contractor's license number issued by the State Contractor's Board 0048068Nevada driller's license number issued by the Division of Water Resources, the on-site driller FP 2127Signed [Signature]

By driller performing actual drilling on site or contractor

Date February 11, 2003Date started November 21, 20 02Date completed January 20, 20 03

7. WELL TEST DATE

TEST METHOD:

 Bailer Pump Air Lift

G.P.M.

Draw Down
(Feet Below Static)

Time (Hours)

RECEIVED

FEB 20 2003

LAS VEGAS OFFICE