

WDR

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

OFFICE USE ONLY
Log No. **97269**
Permit No. **139**
Basin **139**

PRINT OR TYPE ONLY

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

NOTICE OF INTENT NO. **24281**
ER-12-4, Area 12
Nevada Test Site

1. OWNER Nat'l Nuclear Security Admin NV Site Office ADDRESS AT WELL LOCATION ER-12-4, Area 12 Nevada Test Site
MAILING ADDRESS PO Box 98518 Las Vegas NV 89193-8518
2. LOCATION NW 1/4 NW 1/4 Sec 28 T 8 S R 52 E Nye County
PERMIT NO. Waiver R-1024D Parcel No. N/A Subdivision Name N/A

3. WORKED PERFORMED New Well Replace Recondition Deepen Abandon Other
4. PROPOSED USE Domestic Municipal/Industrial Irrigation Monitor Test Stock
5. WELL TYPE Cable Rotary RVC Air Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Moderately welded ash-flow tuff; devitrified	N	0	275	275
Non-welded, vitric, ash-flow tuff	N	275	340	65
Non-welded and bedded tuff; vitric; partially zeolitized in lower part	N	340	730	390
Densely welded ash-flow tuff; devitrified	N	730	810	80
Non-welded and bedded tuff; zeolitized	N	810	2270	1460
Paleocolluvium; argillized	N	2270	2480	210
Dolomite	Y	2480	3715 TD	1235

8. WELL CONSTRUCTION

Depth Drilled 3715 Feet Depth Cased 3713 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
48	Inches 0	Feet 56
18.5	Inches 56	Feet 2501
12.25	Inches 2501	Feet 3715

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30	157.7	0.500	0	53.5
13-3/8	54.5 / 61.0	0.380 / 0.430	0	2225
7-5/8 / 5-1/2	26.4 / 14.6	0.328 / 0.226	0 / 3024	3024 / 3713

Perforations: Type perforation Slotted 5-1/2" Stainless Steel Casing
Size perforation 0.078" wide x 2" long

From	feet to	feet
3111.42	3153.70	feet
3196.56	3239.44	feet
3282.39	3325.31	feet
3368.20	3411.15	feet
3454.13	3497.06	feet
3539.96	3582.90	feet
3625.79	3668.74	feet

Every other joint of 5-1/2" slotted

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 53.5 feet Cement Grout Concrete Grout
Placement Method: Pumped Poured
Gravel Packed: Yes No
From N/A feet to N/A feet

DCNR/DWR
RECEIVED
JUL 25 2005

LAS VEGAS OFFICE

Date started May 8, 20 05
Date completed June 2, 20 05

7. WELL TEST DATE

TEST METHOD: Bailer Pump Air Lift
 Draw Down

G.P.M.	(Feet Below Static)	Time (Hours)

9. WATER LEVEL

Static water level 2602 feet below land surface
Artesian flow N/A G.P.M. N/A P.S.I.
Water temperature 91 °F Quality _____
#Temp Log _____

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 (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] L.R. West
By driller performing actual drilling on-site or contractor
Date July 25, 2005