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

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

OFFICE USE ONLY
Log No. 97389
Permit No. 159
Basin 159
NOTICE OF INTENT NO. 24282

PRINT OR TYPE ONLY

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

1. OWNER Nat'l Nuclear Security Admin NV Site Office ADDRESS AT WELL LOCATION ER-16-1, Area 16 Nevada Test Site
MAILING ADDRESS PO Box 98518 Las Vegas NV 89193-8518
2. LOCATION NE 1/4 SW 1/4 Sec 5 T 11 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 Air Rotary Other RVC Air / Foam

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Welded ash-flow tuff	N	0	40	40
Non-welded and ash-fall tuff; pumice rich	N	40	130	90
Densely welded ash-flow tuff	N	130	335	205
Bedded tuff; vitric	N	335	530	195
Partially welded ash-flow tuff	N	530	700	170
Bedded tuff; vitric	N	700	820	120
Partially welded ash-flow tuff; zeolitic	N	820	1085	265
Bedded tuff; zeolitic	N	1085	1240	155
Partially welded ash-flow tuff; zeolitic	N	1240	1355	115
Bedded tuff; zeolitic	N	1355	1580	225
Partially welded ash-flow tuff; zeolitic	N	1580	1710	130
Bedded tuff; zeolitic	N	1710	1900	190
Partially welded ash-flow tuff; devitrified.	N	1900	1980	80
Bedded tuff; zeolitic to argillic	N	1980	2020	40
Paleocolluvium	N	2020	2120	100
Shale black, silty	N	2120	3515	1395
Quartzite	N	3515	3566	51
Dolomite	N	3566	3716	150
Limestone	Y	3716	4005	289

8. WELL CONSTRUCTION

Depth Drilled 4005 Feet Depth Cased 3813.48 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>48</u> Inches	<u>0</u> Feet <u>54</u> Feet
<u>18.5</u> Inches	<u>54</u> Feet <u>2306</u> Feet
<u>12.25</u> Inches	<u>2307</u> Feet <u>4005</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/ft (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>30</u>	<u>157.7</u>	<u>0.500</u>	<u>0</u>	<u>52</u>
<u>13-3/8</u>	<u>54.5 / 61.0</u>	<u>0.380 / 0.430</u>	<u>0</u>	<u>2178</u>
<u>7-5/8 / 5-1/2</u>	<u>26.4 / 14.6</u>	<u>0.328 / 0.226</u>	<u>0 / 3381</u>	<u>3381 / 3813</u>

Perforations:

Type perforation Slotted 5-1/2" Stainless Steel Casing

Size perforation 0.078" wide x 2" long

From 3640 feet to 3768 feet

From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement Cement Grout Concrete Grout

Depth of Seal 52 feet

Placement Method: Pumped Poured

Gravel Packed: Yes No

From _____ feet to _____ feet

DCNR/DWR
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9. WATER LEVEL

Static water level 3731 feet below land surface

Artesian flow N/A G.P.M. N/A P.S.I.

Water temperature 88 °F Quality _____

Date started June 13, 2005
Date completed July 1, 2005

7. WELL TEST DATE

TEST METHOD: Bailer Pump Air Lift

Draw Down

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

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 Las Vegas NV 89193-8521 (CONTRACTOR)

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 of contractor

Date August 8, 2005