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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. 82859
Permit No.
Basin 160

NOTICE OF INTENT NO. 20374

1. OWNER U.S. Dept of Energy, NV Operations Ofc
MAILING ADDRESS P.O. Box 98518
Las Vegas, NV 89193-8518

ADDRESS AT WELL LOCATION ER-5-4
Area 5 of the Nevada Test Site

2. LOCATION SW ¼ NW ¼ Sec 18 T 13 S R 54 E Nye County

PERMIT NO. N/A (Issued by Water Resources) | N/A (Parcel No.) | N/A (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: Gravelly sand, silty sand, minor clayey silt and sandy gravel beds; loosely consolidated; tuffaecous with lesser Paleozoic nonvolcanic clasts; calcarious, lesser zeolitic (matrix) at depths; scarse, thin, intercalated bedded tuff beds.	Y	0	3732 (TD)	3732

DCNR/DWR Received APR 30 2001 LAS VEGAS OFFICE

Date started February 10, 20 01
Date completed March 31, 20 01

7. WELL TEST DATE

TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

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

8. WELL CONSTRUCTION

Depth Drilled 3732 Feet Depth Cased 3436 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
48 Inches	0 Feet	120 Feet
26 Inches	120 Feet	951 Feet
17-1/2 Inches	951 Feet	1675 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30	118.65	0.375	0	119
20	94	0.438	0	916
13-3/8	61/54.5	0.43/0.38	1468/0	1673/1468

Perforations:
Type perforation Slotted 5-1/2" stainless steel casing
Size perforation 0.078" wide x 2" long
From 3136 feet to 3350 feet
From 1770 feet to 2113 feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No Seal Type:
Depth of Seal 119' ☒ Neat Cement
Placement Method: ☐ Pumped ☐ Cement Grout
☒ Poured ☐ Concrete Grout
Gravel Packed: ☒ Yes ☐ No
From 3595 feet to 3014 feet

9. WATER LEVEL
Static water level 726 feet below land surface
Artesian flow — G.P.M P.S.I
Water temperature 90 @ 3574' °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 P.O. 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 27, 2001

82859

STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

NOTICE OF INTENT NO. **20374**

ADDRESS AT WELL LOCATION: **Nevada Test Site, Area 5, Well ER-5-4**

Continued from Page 1, "Hole Diameter (Bit Size):"

	From	To
12-1/4 Inches	1675 Feet	3732 Feet

Continued from Page 1, "Casing Schedule:"

7-5/8 / 5-1/2	26.4 / 14.6	0.328 / 0.252	0 / 1639	1639 / 3438

Continued from Page 1, "Gravel Packed:"

From 2192 Feet to 1715 Feet

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APR 30 2001
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Bechtel Nevada

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

Express mail only: 2621 Losee Road
North Las Vegas, NV 89030-4134

1300-KO-01-0006

April 27, 2001

Robert Coache, Chief Engineer
Southern Nevada Branch Office
Division of Water Resources
555 East Washington Avenue
Las Vegas, NV 89101

Subject: Contract No. DE-AC08-96NV11718
WELL DRILLER'S REPORT FOR ER-5-4, NOTICE OF INTENT NO. 20374
Project No. 04024

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 attached 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., DOE/NV, 505

cc w/o enc.
Correspondence Control, NLV008
P. W. Tomizcek, Jr., BN, NLV102

DCNR/DWR
Received
APR 30 2001
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