

WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 79401
Permit No. _____
Basin 227A

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

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

NOTICE OF INTENT NO. 20370

1. OWNER U.S. Department of Energy ADDRESS AT WELL LOCATION Nellis Air Force Range
MAILING ADDRESS P.O. Box 98518 EC South, Well ER-EC-2A
Las Vegas, NV 89193-8518

2. LOCATION NW 1/4 NW 1/4 Sec. 24 T. 9 N/S R. 48 E Nye County
PERMIT NO. Waiver R-1024 Parcel No. N/A Subdivision Name _____
Issued by Water Resources

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
Sandy gravel (no samples)	N	0	60	60
Rhyolitic lava; vitric	N	60	130	70
Rhyolitic lava flow breccia	N	130	180	50
Rhyolitic lava; devitrified	N	180	610	430
Vitrophyric lava	N	610	700	90
Nonwelded tuff and pumiceous lava; zeolitic	Y	700	790	90
Nonwelded tuffs zeolitic and silicic	Y	790	2250	1460
Nonwelded to densely welded ash flow tuff: quartzo-feld, alteration silicification			3070	820
Part-mod welded ash-flow tuff; qtz-feld alteration	Y	3070	3090	20
Tuffaceous siltstone and reworked tuff; altered as above, pyritic, calc.	Y	3090	3160	70
Nonwelded ash-flow tuff qtz-feld, alteration, silicic, iron-oxide staining	Y	3160	3220	60
Nonwelded to partly welded ash-flow tuff qtz-feld alteration	Y	3220	4510	1290
Partially to mod welded ash-flow tuff; qtz-feld alteration	Y	4510	4760	250
Densely welded ash-flow tuff; strongly altered	Y	4760	4974	214

Date started January 21 2000
Date completed February 14 2000

7. WELL TEST DATA			
TEST METHOD: <input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	

8. WELL CONSTRUCTION
Depth Drilled 4974 Feet Depth Cased 4961 Feet

HOLE DIAMETER (BIT SIZE)
From To
48 Inches 0 Feet 66 Feet
17 1/2 Inches 66 Feet 1372 Feet
12 1/2 Inches 1372 Feet 4974 Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30		0.375	0	65
13-3/8	54.5	0.380	0	1355
5 1/2 / 7-5/8	14.60/26	0.250/0.328	1364/0	4961/1364

Perforations:
Type perforation Slotted 5 1/2" stainless steel casing
Size perforation 0.078" wide x 2" long
From 4916 feet to 4487 feet
From 3549 feet to 3120 feet
From 2179 feet to 1707 feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 62.50 Cement Grout
Placement Method: Pumped Poured Concrete Grout

Gravel Packed: Yes No (See attached)
From 4974 feet to 4410 feet

9. WATER LEVEL
Static water level 755 feet below land surface
Artesian flow No G.P.M. _____ P.S.I. _____
Water temperature 122 @ 4965 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 Russell W. Shelton Contractor
Address _____ Contractor
Nevada contractor's license number issued by the State Contractor's Board _____
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2125
Signed Russell W. Shelton
By driller performing actual drilling on site or contractor
Date 3/15/00

79401

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

NOTICE OF INTENT NO. 20370

ADDRESS AT WELL LOCATION: Nellis Air Force Range, EC-South, Well ER-EC-2A

Continued from Page 1, "Gravel Packed:"

From 3500 feet	to	3025 feet
From 2730 feet	to	2587 feet
From 2236 feet	to	1635 feet

PM 15 2000

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

2150-KO-00-0007

March 15, 2000

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

Subject: Contract No. DE-AC08-96NV11718
WELL DRILLER'S REPORT FOR ER-EC-2A, NOTICE OF INTENT NO. 20370
Project No. 04025

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 35-2

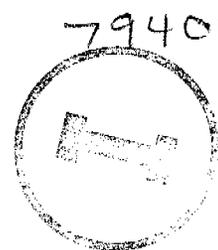
Enclosure: as stated

cc w/enc.

R. M. Bangerter, Jr., DOE/NV, 505

cc w/o enc.

Correspondence Control, NLV008
P. W. Tomiczek, Jr., BN, NLV102



MAR 15 2000