

PRINT OR TYPE ONLY  
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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. 19130

1. OWNER U.S. Department of Energy ADDRESS AT WELL LOCATION \_\_\_\_\_  
MAILING ADDRESS P.O. Box 98518 Nellis Air Force Range, EC-South  
Las Vegas, NV 89193-8518 Well ER-EC-6

2. LOCATION NW 1/4 NW 1/4 Sec. 3 T 9 N/S R 49 E Nye County  
~~PERMIT NO.~~ Waiver: R-1024 N/A N/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 Foam

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Alluvium - gravelly sand	no	0	15	15
Lava - devitrified	no	15	895	880
Lava - basal vitrophyre	no	895	948	53
Tuff Breccia - silicic zeo	no	948	1070	122
Bedded Tuff - zeolitic	no	1070	1535	465
Lava - zeolitic part silic	yes	1535	1636	101
Lava - vitric to devitrified	yes	1636	2090	454
Pumiceous Lava - zeolitic	yes	2090	2124	34
Ash-Flow Tuff - nonwelded	yes	2124		
quartzo-feldspathic alter	yes		2410	286
Ash-Flow Tuff mod to part	yes	2410		
welded quartzo-feldspathic	yes		2715	305
Nonwelded Ash-Flow Tuff	yes	2715		
quartzo-feldspathic alter.	yes		3130	415
Ash-Flow Tuff - partially to	yes	3130		
moderately welded qtz-feld			3558	428
Nonwelded Tuff - Quartzo-	yes	3558		
feldspathic, weakly pyritic			2982	424
Pumiceous Lava - qtz-feld	yes	3982	4030	48
Lava - qtz-feld, pyritic	yes	4030	4110	80
partly chloritic calc.				
Pumiceous Lava - qtz-feld	yes	4110		
weakly pyritic			4275	165
Lava - alteration as above	yes	4275	4465	190
Nonwelded Tuff alt AA	yes	4465	4604	139
Lava - alteration as above	yes	4604	4788	184
Pumiceous Lava - alter AA	yes	4788	4858	70
Lava - quartzo-feldspathic	yes	4858		
spherulitic			5000	142

8. WELL CONSTRUCTION  
Depth Drilled 5,000 Feet Depth Cased 4,905 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>36</u> Inches	<u>0</u> Feet <u>42</u> Feet
<u>26</u> Inches	<u>42</u> Feet <u>1606</u> Feet
<u>12 1/2</u> Inches	<u>1606</u> Feet <u>5000</u> Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30	118.75	0.375	0	42
20	94	0.438	0	1592
5 1/2 / 7-5/8	14.7 / 26.40	0.250 / 0.328	4905 / 1587	1587 / 0

Perforations:  
Type perforation Slotted 5 1/2" stainless steel casing  
Size perforation 0.078" wide x 2" long

From	feet to	feet
<u>4903</u>	<u>4402</u>	<u>feet</u>
<u>3810</u>	<u>3437</u>	<u>feet</u>
<u>2506</u>	<u>2194</u>	<u>feet</u>
<u>1870</u>	<u>1628</u>	<u>feet</u>

Surface Seal:  Yes  No Seal Type:  
Depth of Seal 70' to ground level  Neat Cement  
Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout

Gravel Packed:  Yes  No See Next Page. . .  
From 4997 feet to 4413 feet

9. WATER LEVEL  
Static water level 1428 feet below land surface  
Artesian flow None G.P.M. N/A P.S.I.  
Water temperature 167 F 5000' Quality \_\_\_\_\_

Date started February 16, 1999  
Date completed March 28, 1999

7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

	G.P.M.	Draw Down (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 \_\_\_\_\_ 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 FP-1946-T3

Signed [Signature]  
By driller performing actual drilling on site or contractor  
Date 4/27/99

Log# 75931

STATE OF NEVADA  
DIVISION OF WATER RESOURCES

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**WELL DRILLER'S REPORT**

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ADDRESS AT WELL LOCATION: Nellis Air Force Range, EC-South, Well ER-EC-6

*Continued from Page 1, "Gravel Packed:"*

From 3820 feet to 3423 feet

From 2510 feet to 2170 feet

From 1948 feet to 1608 feet



# **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-99-0004

August 10, 1999

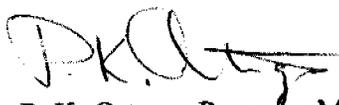
Robert Coache, Chief Engineer  
Southern Nevada Branch Office  
State of Nevada  
Division of Water Resources  
555 East Washington Avenue  
Las Vegas, NV 89101

Subject: Contract No. DE-AC08-96NV11718  
**WELL DRILLER'S REPORT FOR ER-EC-5,  
NOTICE OF INTENT NO. 18959**  
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, Program Manager  
Site Investigations

PKO:mo  
Subject Code: ENV 35-2

Enclosure: as stated

cc w/enc.  
R. M. Bangerter, DOE/NV, 505

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

AUG 10 1999