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Basin 228

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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. 18959

1. OWNER U.S. Department of Energy ADDRESS AT WELL LOCATION Nellis Air Force Range, EC-South
MAILING ADDRESS P.O. Box 98518 Well ER-EC-5
Las Vegas, NV 89193-8518

2. LOCATION SE 1/4 NW 1/4 Sec. 12 T. 10 N/S R. 48 E Nye County
PERMIT NO. R-1024 Parcel No. N/A Subdivision Name _____
WAIVER 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 _____ Foam

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Partially welded ash-flow tuff; devitrified	N	0	94	94
Mod welded ash-flow tuff; devitrified	N	94	106	12
Bedded tuff; vitric	N	106	123	17
Nonwelded to partially welded ash-flow tuff; partly devit.	N	123	231	108
Bedded tuff; zeolitic calcareous lithic rich	N	231	398	167
Bedded tuff; zeolitic	N	398	810	412
Mod to densely welded ash-flow tuff; quartzo-feldspathic alteration	N	810	880	70
Nonwelded tuff; zeolitic	N	880	910	30
Densely welded ash-flow quartzo-feld. alt.	N	910	1002	92
Reworked tuff; zeolitic	Y	1002	1056	54
Mod to densely welded ash-flow tuff varying degrees of quartzo-feldspathic alteration possible basal vitrophyre at 2225' (Tmar).	Y	1056	2225	1169
Mod to densely welded ash-flow tuff strongly quartzo-feld. and silicification. (Poss mafic-poor Tma)	Y	2225	2500	275

8. WELL CONSTRUCTION
Depth Drilled 2500 Feet Depth Cased 2449 Feet

HOLE DIAMETER (BIT SIZE)

Inches	From	To	Feet
36	0	71	Feet
17 1/2	71	1136	Feet
12 1/4	1136	2500	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
20	94	0.438	0	70
13-3/8	54.5	0.380	0	1124
5 1/2 / 7-5/8	14.7/26.4	0.250/0.328	1154/0	2449/1154

Perforations:
Type perforation Slotted 5 1/2" stainless steel casing
Size perforation 0.078" wide x 2" long
From 2417 feet to 2246 feet
From 2094 feet to 1892 feet
From 1398 feet to 1196 feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 67 Cement Grout
Placement Method: Pumped Concrete Grout
 Poured

Gravel Packed: Yes No *see attached.
From 2481 feet to 2194 feet

Date started June 24, 1999
Date completed July 11, 1999

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

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

9. WATER LEVEL
Static water level: 1019 feet below land surface
Artesian flow No 2480' G.P.M. _____ P.S.I. _____
Water temperature 85 at _____ °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 _____ 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 [Signature]
By driller performing actual drilling on site or contractor

Date 8/10/99

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STATE OF NEVADA
DIVISION OF WATER RESOURCES

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ADDRESS AT WELL LOCATION: Nellis Air Force Range, EC-South, Well ER-EC-5

Continued from Page 1, "Gravel Packed:"

From 2146 feet to 1835 feet

From 1755 feet to 1532 feet

From 1444 feet to 1169 feet

AUG 10 1978