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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. 18956

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-4

2. LOCATION SW 1/4 NE 1/4 Sec. 17 T. 9 N/S R. 48 E Nye County
PERMIT NO. R-1024 N/A N/A
WAIVER 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	Thickness
Basalt: Abundant crystals	No	0	50	50
Ash-Flow Tuff: Mod. welded	No	50	85	35
Bedded Tuff: Vitric	No	85	104	19
Ash-Flow Tuff: Devitrified	No	104	165	61
Bedded Tuff: Vitric	No	165	177	12
Ash-Flow Tuff: Part to Mod Welded	No	177	266	89
Ash-Flow Tuff: Nonwelded	No	266	340	74
Bedded Tuff: Devitrified	No	340	412	72
Ash-Flow Tuff: Non to Part Weld	No	412	468	56
Ash-Flow Tuff: Part to Mod Weld	No	468	502	34
Ash-Flow Tuff: Nonwelded	No	502	615	113
Ash-Flow Tuff: Part to Mod Weld	No	615	700	85
Bedded Tuff: Devitrified	No	700	750	50
Ash-Flow Tuff: Part to Mod Weld	Yes	750	790	40
Ash-Flow Tuff: Non to Part Weld	Yes	790	935	145
Colluvium: Lava in Tuff Matrix	Yes	935	945	10
Lava (Trachytic?): Several flows, vesicular tops, devit. Yes	Yes	945	1640	695
Bedded Tuffs: Zeolitic	Yes	1640	1922	282
Lava: Devit., vesicular	Yes	1922	1934	14
Ash-Flow Tuff: Non to part Weld	Yes	1934	2006	72
Ash-Flow Tuff: Mod to dens silicified, zeolitic	Yes	2006	2761	755
Ash-Flow: Non to Part Weld	Yes	2761	2907	146
Bedded Tuff: Zeol., argill.	Yes	2907	3058	151
Ash-Flow Tuff: non to part Weld	Yes	3058	3244	186
Ash-Flow Tuff: Mod welded	Yes	3244	3320	76
Ash-Flow Tuff: Vitrophyric	Yes	3320	3420	100
Bedded Tuff: Zeolitic	Yes	3420	3487	67

Date started 5-24 1999
Date completed 6-28 1999

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

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

8. WELL CONSTRUCTION
Depth Drilled 3487 Feet Depth Cased 3447 Feet
HOLE DIAMETER (BIT SIZE)
From To
36 Inches 0 Feet 17.5 Feet
30 Inches 17.5 Feet 24.5 Feet
26 Inches 24.5 Feet 38 Feet *see attached

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
36	190	0.500	0	17.5
20	94	0.438	0	36
13-3/8	54.5	0.380	0	865
5 7/8	14.7	0.250	0.328	948/0
5 1/2	14.7	0.250	0.328	3449/948

Perforations:
Type perforation Slotted 5 1/2" stainless steel casing
Size perforation 0.078" wide x 2" long
From 992 feet to 1224 feet
From 1910 feet to 2253 feet
From 3103 feet to 3405 feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 65 feet Cement Grout
Placement Method: Pumped Concrete Grout
 Poured
Gravel Packed: Yes No **see
From 3031 feet to 3468 feet attached

9. WATER LEVEL
Static water level 749 feet below land surface
Artesian flow None G.P.M. N/A P.S.I.
Water temperature 148 @ 3446' 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 Russell W. Shultz
By driller performing actual drilling on site or contractor
Date 7/29/99

Log
76025

STATE OF NEVADA
DIVISION OF WATER RESOURCES

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ADDRESS AT WELL LOCATION: Nellis Air Force Range, EC-South, Well ER-EC-4

Continued from Page 1, "HOLE DIAMETER (BIT SIZE)"

17-1/2 Inches	From	38	feet	to	882	feet
12-1/4 Inches	From	882	feet	to	3487	feet

Continued from Page 1, "Gravel Packed:"

From	2443	feet	to	2901	feet
From	1837	feet	to	2295	feet
From	1382	feet	to	1687	feet
From	952	feet	to	1240	feet

