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Log No. 71497
Permit No. 87
Basin.....

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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. 30638

Consultant: WDDA

Client:

1. OWNER Montgomery Watson ADDRESS AT WELL LOCATION Rocketdyne Former
MAILING ADDRESS 365 Lennon Lane Nevada Field Laboratory Area B
Walnut Creek, CA 94598 800 Axe Handle Canyon Road, Palomino Valley
2. LOCATION DDA 1/4 1/4 Sec. 29 T. 22N N/S R. 21E E Washoe County
PERMIT NO. M/O 708 MW-B14-A 076-150-01 Palomino Valley 24.2.1.2
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.....

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
ANDESITE: Porphyritic andesite, (Kate Peak formation), light olive gray, aphanitic ground-mass with partially altered plagioclase phenocrysts. Moderately to highly weathered in some intervals with iron oxide staining on joint surfaces.		0	12	12
GRANODIORITE: medium-to coarse-grained, comprised predominantly of feldspar, quartz, and biotite, locally weathered, with clay on fractured surfaces.		12	160	148
rock is harder and less weathered and fractured than above.		42	52	10
rock is soft and fractured.		52	67	15
hard rock, some fractures. Trace of hornblende and pyrite. Pyrite and iron oxide staining associated with fractures, thin quartz veins also locally present. Some fractures have a greenish gray alteration or deposit. Occurrence of biotite decreases below 120'		67	160	93
Fractured and weathered zones @ 119-121', 126-127', 132-144', 148-149', 152-153', and 157-158'.				
weathered zone where biotite is altered and trace iron staining.		132	144	12
@ 160' water flow from borehole - 2.5 gpm.				

8. WELL CONSTRUCTION
Depth Drilled 160 Feet Depth Cased 158 Feet

HOLE DIAMETER (BIT SIZE)
From To
9 Inches 0 Feet 160 Feet
.....Inches.....Feet.....Feet
.....Inches.....Feet.....Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
5" OD steel		.188	0	118
1" Galvanized Steel pipe			0	154
1" Sounding Tube		sch 40 PVC	0	154

Perforations:
Type perforation Factory sawed vertical slots
Size perforation 5" OD steel x 0.064 w/double row vertical slots, Steel end plate at 158'
Steel centralizers at 60', 118', 154'
8" x 5' Monument with lock.
1/2 HP Grundfos Sub Pump: intake set at 154'. Perf from 118' ft to 158' ft.

Surface Seal: Yes No Seal Type:
Depth of Seal 0-112 ft. Neat Cement
Placement Method: Pumped Cement Grout
 Poured Concrete Grout
Bentonite seal 112-115' / #0/30 Lonstar filter
Gravel Packed: Yes No sand 115-116'
From 116-160' with feet course Aquarium feet

9. WATER LEVEL
Static water level (10/31/96) 105' feet below land surface
Artesian flow.....G.P.M. 2.5 P.S.I.
Water temperature cold °F Quality not known

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name WAYNE DRILLING, INC. Contractor
Address P.O. Box 12370 Contractor
Reno, Nevada 89510

Nevada contractor's license number issued by the State Contractor's Board 0022549
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 908

Signed Wayne A. Halman
By driller performing actual drilling on site or contractor
Date May 21, 1997

Date started 7/23/96, 19.....
Date completed 7/30/96, 19.....

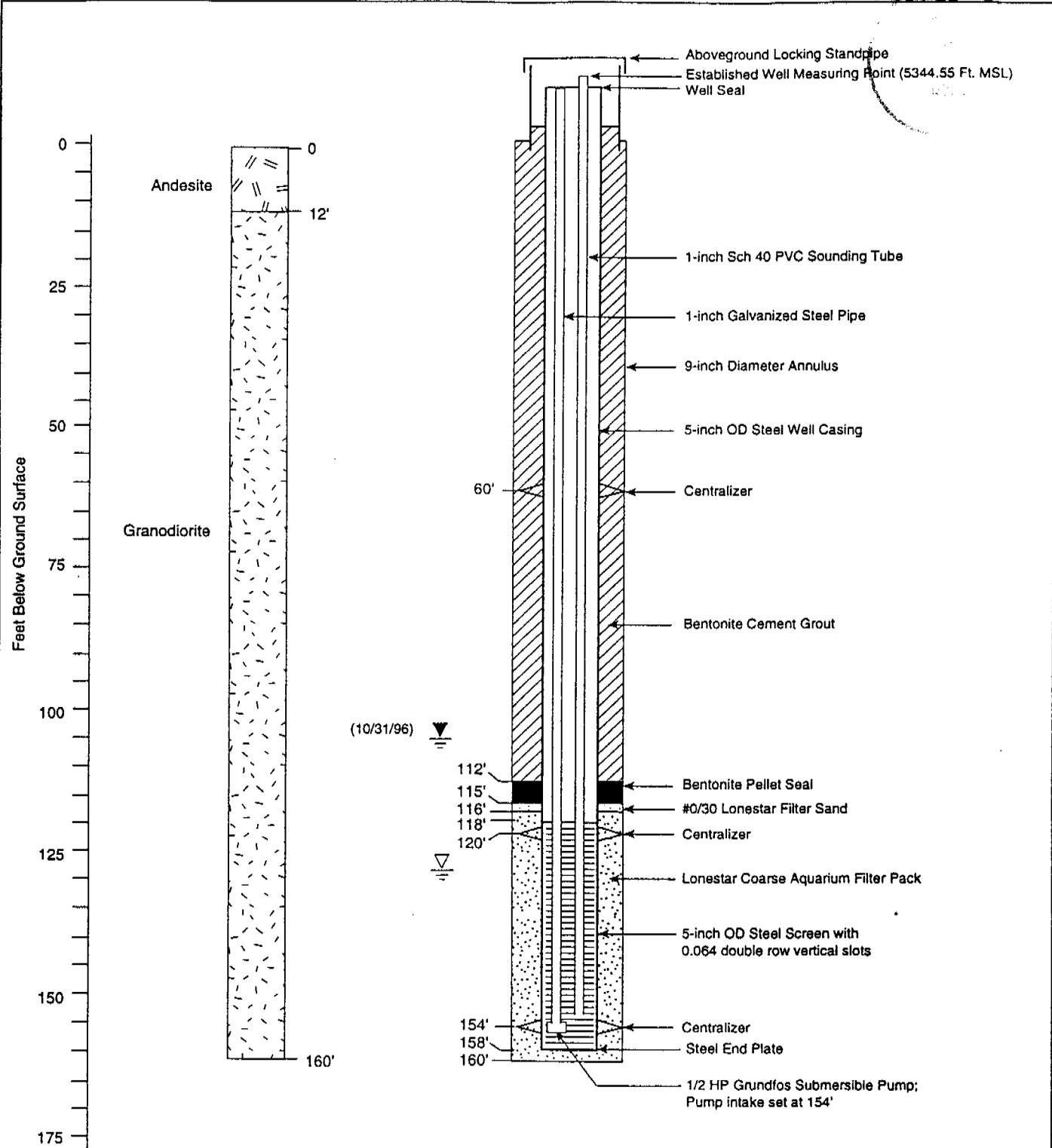
7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

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

RECEIVED
98 APR 29 11:02 AM '97
STATE ENGINEER'S OFFICE

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RECEIVED

98 APR 20 PM 12:02

STATE ENGINEERS OFFICE



MONTGOMERY WATSON

ROCKETDYNE
FORMER NEVADA FIELD LABORATORY
WASHOE COUNTY, NEVADA

B-14A WELL SCHEMATIC

FIGURE A-6