

OFFICE USE ONLY

Log No. 71565  
 Permit No. 84  
 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. 30610

1. Consultant: MONTGOMERY WATSON Client:                       
 OWNER:                      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: SE 1/4 SE 1/4 Sec. 29 T 22N N/S R. 21 E Washoe County  
 PERMIT NO.: M/O 708 MW B-12A 076-150-01 2002-1-2 Palomino Valley Subdivision Name  
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
SILTY SAND, yellowish brown, moist, fine to medium micaceous.				
GRANODIORITE: fine-to granodiorite, with feldspar grains, locally weathered and fractured. Weathering decreases with depth.		0	14	14
APLITE: dike comprised predominantly of fine-grained quartz and trace biotite. Slightly weathered and fractured with localized iron oxide staining.		14	134	120
GRANODIORITE: Fine-to medium-grained granodiorite comprised predominantly of feldspar, quartz, and biotite.		134	140	6
APLITE: dike comprised predominantly of fine-grained quartz and trace biotite. Slightly weathered and fractured with localized yellowish brown staining.		140	165	25
GRANODIORITE: medium-grained, comprised predominantly of feldspar quartz, biotite, with trace hornblende, localized xenoliths.		165	175	10
190-194' soft, fractured zone, some alteration and weathering.		175	425	250
@200' traces of clayey material and fragments of aplite.				
@235' large hornblende crystals that decrease in number below 260', xenoliths common				

8. WELL CONSTRUCTION

Depth Drilled: 425' Feet Depth Cased: 423' Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>14</u> Inches	<u>0</u> Feet <u>40</u> Feet
<u>9</u> Inches	<u>40</u> Feet <u>425</u> Feet
<u>10 3/4</u> Inches	<u>0</u> Feet <u>40</u> Feet

Casing Schedule

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>5" OD steel</u>		<u>.188</u>	<u>+2</u>	<u>423</u>
<u>1" Galvanized steel pipe</u>			<u>+2</u>	<u>400</u>
<u>1" Sounding tube sch 40 pvc</u>			<u>+2.5</u>	<u>395</u>

Perforations:  
 Type perforation: factory sawed vertical slots  
 Size perforation: 5" OD steel x 0.064 w/double row slot  
 From: 203' feet to 423' feet  
Steel centralizer at 60', 120', 180', 240', 300', 360', 420'  
8" x 5" Monument with lock.  
3/4 hp Grundfos Sub, Pump: intake set at 396.5'  
10 3/4" Security steel cap.

Surface Seal:  Yes  No Seal Type:  Neat Cement  
 Depth of Seal: 0-40 & 0-193  Cement Grout  
 Placement Method:  Pumped  Concrete Grout  
Bentonite Seal  Poured  
 Gravel Packed:  Yes  No 193'-196/#0/30 Lonestar filter sand 196-197ft.  
 From: 197-425' with Course Aquarium sand

Date started: 6-12-96, 19...  
 Date completed: 6-14-96, 19...

7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>

continued from section 6  
@248', 259', and 289'.  
250-266' weathered and fractured with iron staining.  
@310' water flow from borehole - 1.5 gpm.  
@ 425' water flow from borehole - 10 gpm.

9. WATER LEVEL

Static water level: (10/31/96) 203' feet below land surface  
 Artesian flow:                      G.P.M. 10 gpm 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:                       
 By driller performing actual drilling on site or contractor  
 Date: May 19, 1997