

Log No. 71473
 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. 371.07

Consultant: _____ Client: _____
 1. OWNER GROUNDWATER RESOURCES CONSULTANTS ADDRESS AT WELL LOCATION Rocketdyne NFL Nevada
 MAILING ADDRESS 6200 E. 14th Street, Suite A200 2640 Whiskey Springs Road Area D
Tucson, Arizona 89711 Reno, Nevada 89510
 2. LOCATION SW 1/4 NE 1/4 Sec. 7 T. 22N N/S R. 22 E Washoe County
 PERMIT NO. MW D-39A 77-320-09 Palomino Valley Unit 11 7-2-2-3
 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	Thick-ness
Rhyolite tuff, dark reddish brown, welded rhyolite tuff, abundant smokey bipyramidal quartz & chatoyant feldspar phenocrysts (Chimney Springs or monolithic breccia)		0	48	48
Rhyolite tuff, light olive grey, moderately to poorly welded, smokey quartz bipyramids (Chimney Springs of monolithic breccia)		48	55	7
Fault? Pale brown clayey		55	65	10
Rhyolite tuff, brownish grey welded tuff, small biotite & sanidine phenocrysts, abundant small white plagioclase phenocrysts, some orange iron-oxide staining on fractures & in phenocrysts (Tuffs of Whiskey Springs-Unit A)				
@95' decreased iron dioxide				
@140' slight color change to greyish-red fewer phenocrysts rare biotite.				
@140-160' alternating hard & soft zones				
@160' slight increase in weathering iron oxides on fractures				
@180' slight water production				

8. WELL CONSTRUCTION
 Depth Drilled 195 Feet Depth Cased 194 Feet
 HOLE DIAMETER (BIT SIZE)
 From To
10 Inches 0 Feet 7 Feet
8 5/8 Inches 7 Feet 195 Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4 1/2</u> " OD steel		<u>.134</u>	<u>+1.6</u>	<u>138.7</u>
<u>4 1/2</u> " OD PVC		<u>sch 40</u>	<u>138.7</u>	<u>194.0</u>
SS centralizers @90, 140, 193' End cap				

Perforations: Locking Monument
 Type perforation factory sawed slot
 Size perforation 0.20 x 2 1/2"
 From 138.7 feet to 194 feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Depth of Seal 0-131.9 ft Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Bentonite Seal: 131.9 - 133.9 ft
 Gravel Packed: Yes No Lonestar #3 sand
 From 133.9 feet to 195 feet

9. WATER LEVEL
 Static water level 153 feet below land surface
 Artesian flow _____ G.P.M. 40 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 0022549
 issued by the State Contractor's Board.
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 908

Signed [Signature]
 by driller performing actual drilling on site or contractor
 Date April 9, 1998

from borehole
 Date started 12-01-97, 19
 Date completed 12-03-97, 19

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	<u>40</u>		
@186' abrupt increase in water production (10 GPM)			
@195' borehole making 40GPM	<u>65</u>	<u>195</u>	<u>130</u>