

Log No. 71578
 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. 37108

Consultant: GROUNDWATER RESOURCES CONSULTANTS Client: Rocketdyne NFL Nevada
 1. OWNER 6200 E 14th Street, Suite A200 ADDRESS AT WELL LOCATION 2600 Whiskey Springs Road Area D
Tucson, Arizona 85711 Reno, Nevada 89510

2. LOCATION SE 1/4 NE 1/4 Sec 7 T 22N N/S R 22 E Washoe County
 PERMIT NO. MW D-40A 77-320-09 Palomino Valley 2011 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
Silty sandy gravel, colluvium, moderate reddish, angular fragments of rhyolite tuff, well graded, loose, uncemented @25' occasional fragments of light olive grey rhyolite		0	30	30
Rhyolite tuff, mixed greyish red & moderate red, welded, with altered plagioclase phenocrysts (Tuffs of Whiskey Springs -Unit D)				
@75' color changes to dominantly greuish-red.				
@90' abundant white altered plagioclase phenocrysts.				
@100' borehole makes <1 GPM water				
@120-130' increased veining with white fill		30	150	120

8. WELL CONSTRUCTION
 Depth Drilled 150 Feet Depth Cased 149.6 Feet
 HOLE DIAMETER (BIT SIZE)
 From 10 Inches 0 Feet To 10 Feet Air Hammer
 8 5/8 Inches 10 Feet 150 Feet same
 Inches Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4 1/2" OD steel		.134	+ 1.1	59.3
4 1/2" OD PVC		sch 40	59.3	149.6

SS Centralizers @70, 110, 145' End cap

Perforations: Locking Monument
 Type perforation factory sawed slot
 Size perforation 0.20 x 2 1/2"
 From 59.3 feet to 149.6 feet
 From feet to feet
 From feet to feet
 From feet to feet

Surface Seal: Yes No Seal Type:
 Depth of Seal 0 - 52.1 feet Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Bentonite Seal: 52.1 - 54.7 ft.
 Gravel Packed: Yes No #3 Lonestar sand
 From 54.7 feet to 150 feet

9. WATER LEVEL
 Static water level 45 feet below land surface
 Artesian flow G.P.M. 1 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 908
 Division of Water Resources, the on-site driller.
 Signed [Signature]
 By driller performing actual drilling on site or contractor
 Date April 9, 1998

7. WELL TEST DATA

TEST METHOD	Bailer	Pump	Air Lift	Draw Down (Feet Below Static)	Time (Hours)
<u>1</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u> </u>	<u> </u>