63

WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

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STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY
Log No. 71472
Permit No.
Basin 84

NOTICE OF INTENT NO. 37109

1. OWNER Consultant: GROUNDWATER RESOURCES CONSULTANTS
MAILING ADDRESS 6200 E 14th Street, Suite A200
Tucson, Arizona 85711

Client: Rocketdyne NFL Nevada
ADDRESS AT WELL LOCATION 2600 Whiskey Springs Road Area D
Reno, Nevada 89510

2. LOCATION SE ¼ NE ¼ Sec. 7 T. 22N N/S R 22 E Washoe County
PERMIT NO. MW D-41B (Issued by Water Resources) 77-320-04 (Parcel No.) Palomino Valley Unit 11 7-2-2-3 (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 TUBEX

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Silty gravelly sand, with cobbles, mix rhyolite fragments, greyish-brown, well graded, subangular, loose, uncemented				
@39' borehole making 3GPM		0	65	65
Rhyolite tuff, dark reddish-brown moderately welded, quartz & sandine phenocrysts(Tuffs of Whiskey Springs-Unit A)		65	83	18
Rhyolite tuff, light olive grey, moderately welded, quartz & phenocrysts (Tuffs of Whiskey Springs Unit B)			Pad by log # 74426	
@84-104' slight increase in water productions				
@104-124' slight increase in water production				
@125-145' alternating welded & unwelded zones				
@145' color changes to greyish -green, poorly welded, mixed w/pale red poorly welded				
@160-170' very clayey		83	170	66
Rhyolite tuff, greyish-brown welded, speckled w/white altered plagioclase (?) phenocrysts, abundant orange iron-staining of fractures (Tuffs of Whiskey Springs Unit-A)		170	184	14

Date started 11-20-97, 19
Date completed 11-24-97, 19

7. WELL TEST DATA
TEST METHOD: ☒ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<1		

8. WELL CONSTRUCTION
Depth Drilled 184 Feet Depth Cased 169.9 Feet

HOLE DIAMETER (BIT SIZE)

		From	To	
9 6/16 Inches	0 Feet	69 Feet	TUBEX
7 1/5 Inches	69 Feet	184 Feet	
Inches	Feet	Feet	

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4½"OD steel		.134	+1.9	89.5
4½"OD PVC		sch 40	89.5	169.9
SS Centralizers		@95,135, 168 ft. End cap		

Perforations: Locking Monument
Type perforation factory sawed slot
Size perforation 0.20 x 2½"
From 89.6 feet to 169.9 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 0 - 82.6 feet
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Bentonite Seal: 82.6 - 85.3 ft.
Gravel Packed: ☒ Yes ☐ No Lonestar #3 sand
From 85.3 feet to 169.9 feet

9. WATER LEVEL
Static water level Not known 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 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 [signature] (By driller performing actual drilling on site or contractor)
Date April 9, 1998

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (O)-627