

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

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 71498
Permit No. 84
Basin

PRINT OR TYPE ONLY
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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

Area D Page 1 of 2 pages

NOTICE OF INTENT NO. 38492

Consultant: 1. OWNER Ground Water Res. Consultants, Inc. Client: Rocketdyne NFL
MAILING ADDRESS 6200 E. 14th Street, Suite A200 ADDRESS AT WELL LOCATION Whiskey Springs Road Area D
Tucson, Arizona 85711 Warm Springs (Palomino Valley)
2. LOCATION NW 1/4 SE 1/4 Sec. 7 T.22N N/S R.22 E Washoe County
PERMIT NO. M/O 431-B D-36A 77-320-0810 Palomino Valley Out 11 7-2-2-4
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 SAND, pale brown with fine to coarse gravel, medium-to coarse-grained sand, pale brown, mixed fragments of rhyolite tuffs, well graded, angular to sub-angular, loose, uncemented, moderately moist.				
@ 5' becomes dry.		0	8	8
RHYOLITE TUFF, dusky yellow, moderately welded, occasional grey-brown lithic fragments, no phenocrysts. Possible weathered biotite.				
@ 10' becomes unwelded, dry.				
@ 17' slightly moist, yellowish grey, unwelded tuff.		8	20	12
RHYOLITE TUFF, grayish red soft clayey unwelded tuff, slightly to				

8. WELL CONSTRUCTION
Depth Drilled 120 Feet Depth Cased 118.0 Feet
HOLE DIAMETER (BIT SIZE)
From To
9-5/16 Inches 0 Feet 18 Feet
7-1/2 Inches 18 Feet 120 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4.5" PVC		sch 40	+2.5	118.0
4.5" PVC end cap/centralizers at 45, 80, 116'				
4.5' pvc locking cap/locking monument				

Perforations:
Type perforation factory sawed slot
Size perforation 0.020 x 1-3/4
From 43.0 feet to 118.0 feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: Yes No Seal Type:
Depth of Seal 0 - 33' Neat Cement
Placement Method: Pumped Cement Grout
 Poured Concrete Grout
Bentonite seal 33 - 37.9
Gravel Packed: Yes No Lonestar #3
From 37.9 feet to 118.9 feet

Continued on page 2
Date started 2-17-97, 19
Date completed 2-18-97, 19

9. WATER LEVEL
Static water level (2-18-97) 54' feet below land surface
Artesian flow not known G.P.M. n/k P.S.I.
Water temperature n/k °F Quality not known

7. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailer	<input type="checkbox"/> Pump	<input type="checkbox"/> Air Lift
RECEIVED 98 APR 20 PM 2:00 STATE ENGINEER'S OFFICE	Draw Down (Feet Below Static)	Time (Hours)	
	G.P.M.		

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 June 2, 1997

2/2

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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
 Client: _____

Page 2 of 2 Area D
 NOTICE OF INTENT NO. 35492

Consultant: 1. OWNER Ground Water Res. Consultants, Inc. ADDRESS AT WELL LOCATION Rocketdyne Former
 MAILING ADDRESS 6200 E. 14th Street, Suite A200 Off Whiskey Springs Road Area D
Tucson, Arizona 85711 Warm Springs (Palomino Valley)
 2. LOCATION NW 1/4 SE 1/4 Sec. 7 T. 22N N/S R. 22 E. Washoe County
 PERMIT NO. M/O 431-B D36A 77-320-03 Palomino Valley
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
Continued from page 1 moderately moist.		20	37	17
RHYOLITE TUFF, brownish grey welded to moderately welded tuff, small biotite and K-feldspar (?) phenocrysts.		37	50	13
RHYOLITE TUFF, grayish red moderately welded tuff, biotite phenocrysts.		50	70	20
RHYOLITE TUFF, moderate brown welded tuff, abundant biotite phenocrysts with rare K-feldspar phenocrysts, slightly weathered, minor fe-oxides, moderately to very moist. @ 100' detected water after letting well sit one hour.		70	120	50

8. WELL CONSTRUCTION
 Depth Drilled _____ Feet Depth Cased _____ Feet
 HOLE DIAMETER (BIT SIZE)
 From _____ To _____
 Inches _____ Feet _____ Feet
 Inches _____ Feet _____ Feet
 Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
 Type perforation _____
 Size perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Neat Cement
 Cement Grout
 Concrete Grout
 Depth of Seal _____
 Placement Method: Pumped Poured
 Gravel Packed: Yes No
 From _____ feet to _____ feet

9. WATER LEVEL
 Static water level _____ feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature _____ °F Quality _____

Date started 2-17-97, 19____
 Date completed 2-18-97, 19____

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

Draw Down (Feet Below Static)	Time (Hours)

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 June 2, 1997

RECEIVED
 FEB 20 11:04 AM '97
 DIVISION OF WATER RESOURCES