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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. 20711

1. ~~OWNER~~ Groundwater Resources Consultant, Inc. ADDRESS AT WELL LOCATION  
 MAILING ADDRESS 6200 East 14th Street, Suite A200 Client: Rocketdyne Former Field Lab  
 Tucson, AZ 85711 244 152 HANDLE RD Whiskey Springs Road, Reno, NV

2. LOCATION SE 1/4 SE 1/4 Sec. 29 T. 22N N/S R 21 E Washoe County  
 PERMIT NO. M/O #564-A MW#B-4A 76-150-01 Palomino Valley Unit 4 Sec. 2, 1, 2  
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
Clayey Sand, (fill)w/ cobbles & boulders, med-grained sand, pale to greyis brown loose, dry		0	17	17
Andesite, Porphyritic, plagioclase phenocrysts (altered), dark grey matrix (N3), slightly weathered, moderately hard, very slight to moderately fractured, drilling rate: 50 sec/ft @44-46' soft, slightly to moderately fract.		17	117	100
Aplite, Fine-grained, granular, moderate orange pink, slightly weathered, moderately hard, moderately to intensely fractured @117-119' fault(?) contact w/andesite, clay gouge, (?) , dark yellowish orange decomposed (W9), soft very intensely fract.		117	125	8
Granodiorite, fine to med grained, granular				

8. WELL CONSTRUCTION  
 Depth Drilled 299.1 Feet Depth Cased 299.1 Feet  
 HOLE DIAMETER (BIT SIZE)  
 From To  
12 1/2 Inches 0 Feet 19 Feet Air Rotary  
9" Inches 19 Feet 299.1 Feet Air Hammer  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
5"		.188	+1.2	299.1

Centralizers @ 54, 114, 174, 234, 294 feet  
 Monument

Perforations:  
 Type perforation factory sawed slot  
 Size perforation 0.060 x 2"  
 From 239 feet to 299.1 feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Depth of Seal 0-226 feet  Neat Cement  
 Placement Method:  Pumped Tremie  Cement Grout  
 Poured  Concrete Grout  
 Bentonite: Seal 220-226 feet  
 Gravel Packed:  Yes  No Course AQ  
 From 226-230' - 1.25 bags to 230-299.1' 2.1 bags

9. WATER LEVEL  
 Lone Star 0/30  
 Static water level 2-9-94 248.4 feet below land surface  
 Artesian flow \_\_\_\_\_ G.P.M. 1 GPM P.S.I.  
 Water temperature n/a °F Quality n/a

Date started 02-07-94, 19\_\_\_\_\_  
 Date completed 02-11-94, 19\_\_\_\_\_

7. WELL TEST DATA

TEST METHOD: <input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
NO test			

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 22549  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 923  
 Signed [Signature]  
 by driller performing actual drilling on site or contractor  
 Date November 21, 1994

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**WELL DRILLER'S REPORT**

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NOTICE OF INTENT NO. 20711  
 Page 2 of 2

Client: Groundwater Consultant, Inc.  
 1. OWNER \_\_\_\_\_ ADDRESS AT WELL LOCATION \_\_\_\_\_  
 MAILING ADDRESS \_\_\_\_\_

2. LOCATION M/O-564-A 1/4 Sec. T N/S R. E County \_\_\_\_\_  
 PERMIT NO. 76-150-01 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
Continued from page 1 of 2				
light gray, fresh to slightly weathered (W1 to W3) moderately hard to hard, moderately fractured (FD4 to FD6), drilling rate 75-100 sec./ft.		125	300	75
@140-155' zone of abundant xenoliths, fine-grained granular, with abundant mafic minerals				
@140' becomes very slightly to moderately fractured (FD2 to FD4)				
@173-184' zone of vertical fracturing, moderately weathered (W5), moderate hard, very intensely fractured (FD8), drill rate -25 sec/ft.				
@208-215' zone of vertical fracturing, slightly weathered (W3), slightly to moderately fractured (FD4)				
@245-255' drill rate 45 sec/ft.				

8. WELL CONSTRUCTION

Depth Drilled \_\_\_\_\_ Feet Depth Cased \_\_\_\_\_ Feet

HOLE DIAMETER (BIT SIZE)

Inches	Feet	Feet
From _____	To _____	
_____	_____	_____
_____	_____	_____
_____	_____	_____

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

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 \_\_\_\_\_ 02-07-94, 19\_\_\_\_\_  
 Date completed \_\_\_\_\_ 02-11-94, 19\_\_\_\_\_  
 7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

G.P.M.	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 22549  
 issued by the State Contractor's Board

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 923

Signed [Signature]  
 (By driller performing actual drilling on site or contractor)  
 Date November 21, 1994