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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

Page 1 of 2 pages

NOTICE OF INTENT NO. 34188

Consultant:

1. OWNER MONTGOMERY WATSON Client: ADDRESS AT WELL LOCATION Rocketdyne Former Nevada Field Laboratory Area B  
 MAILING ADDRESS 365 Lennon Lane 800 Axe Handle Canyon Road, Palomino Valley  
Walnut Creek, CA 94598 Washoe County  
 2. LOCATION NE 1/4 SE 1/4 Sec. 29 T. 22N N/S R. 21 E  
 PERMIT NO. M/O 708 MW B-13-A 076-156-01 Palomino Valley 2014 2012  
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED  
 New Well  Replace  Recondition  Domestic  Irrigation  Test  Cable  Rotary  RVC  
 Deepen  Abandon  Other.....  Municipal/Industrial  Monitor  Stock  Air  Other.....

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
SILTY SAND, yellowish brown loose to dense, moist, fine to medium, micaaceous.		0	6.5	6.5
GRANODIORITE, fine to med-grained granodiorite, comprised predom. of feldspar, quartz, & biotite, locally weathered w/common iron oxide staining. Weathering decreases w/depth & rock becomes harder.		6.5	162.5	156
@54' clay material observed on the fractured rock surfaces.				
@70' xenolith fragments observed.				
91-130' rock is harder, less weathered & fractured than above. Rock color changes to a greenish/grayish white w/iron staining on fractures surfaces.				
130-162.5' rock is harder again, only slight fracturing & weathering noted, trace pyrite & hornblende mineral grains, no iron oxide staining from 135-145'.				
@150' some fractured surfaces have greenish & /or reddish staining & some quartz grains are a weak red color, some xenoliths.				
@161' several thin quartz veins noted with associated calcite.				
ANDESITE, porphyritic andesite, light olive gray, aphanitic groundmass w/slightly altered				
Continued on page 2				
Date started.....		9-23-96		19.....
Date completed.....		9-26-96		19.....

8. WELL CONSTRUCTION  
 Depth Drilled..... 210.....Feet Depth Cased..... 207.....Feet

HOLE DIAMETER (BIT SIZE)  
 From To  
9.....Inches..... 0.....Feet..... 210.....Feet  
 .....Inches..... Feet..... Feet  
 .....Inches..... Feet..... Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4.5 "		.120	+2	157
Steel centralizers @50', 100', 160', 204'				
4.5" steel end plug. 8" x 5' Steel Monument				

Perforations: Continued page 2 Well seal  
 Type perforation..... factory sawed vertical slots  
 Size perforation..... 0.064 double row steel screen  
 From 157.....feet to..... 207.....feet  
 From.....feet to.....feet  
 From.....feet to.....feet  
 From.....feet to.....feet

Surface Seal:  Yes  No Seal Type:  
 Neat Cement  
 Cement Grout  
 Concrete Grout  
 Placement Method:  Pumped  Poured  
 Bentonite seal: 146-150'  
 Gravel Packed:  Yes  No 0/30 Filter sand 150-  
 From 152-210 Coarse feet to Aquarium Filter feet 152'

7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

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

9. WATER LEVEL  
 Static water level..... (10-31-96) 147'.....feet below land surface  
 Artesian flow..... G.P.M. 3 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..... Wayne Helmer  
 By driller performing actual drilling on site or contractor  
 Date..... February 25, 1997

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WELL DRILLER'S REPORT

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Page 2 of 2 pages  
 NOTICE OF INTENT NO34188

1. Consultant: MONTGOMERY WATSON Client: ROCKETDYNE FORMER  
 OWNER: MONTGOMERY WATSON ADDRESS AT WELL LOCATION: ROCKETDYNE FORMER  
 MAILING ADDRESS: 365 LENNON LANE NEVADA FIELD LABORATORY AREA B  
WALNUT CREEK, CA 94598 800 AXE HANDLE CANYON ROAD, PALOMINO VALLEY  
 2. LOCATION: NE 1/4 SE 1/4 Sec. 29 T 22N N/S R 21 E WASHOE COUNTY  
 PERMIT NO. M/O 708 MW B-13A 076-150-01 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 2				
plagioclase & biotite phenocrysts. Slightly weathered in some intervals w/iron oxide &/or greenish staining, & pyrite mineral grains near contact surface		162 1/2	173 1/2	11
GRANODIORITE, fine to med-grained granodiorite comprised predominantly of feldspar, quartz & biotite. Locally contains hornblende & pyrite. Locally weathered & fractured with iron oxide &/or greenish staining, and characterized by localized xenoliths.				
178-180' soft, weathered zone w/fractures.				
182-185' soft, weathered zone w/fractures.				
@190' water flow from boring - 1 gpm.				
200-203' xenolith zone.				
@210' water flow from boring - 3 gpm.				

8. WELL CONSTRUCTION  
 Depth Drilled 210 Feet Depth Cased 207 Feet  
 HOLE DIAMETER (BIT SIZE)  
 From To  
 .....Inches.....Feet.....Feet  
 .....Inches.....Feet.....Feet  
 .....Inches.....Feet.....Feet

Continued from CASING SCHEDULE page 1

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
1" Sounding Tube	sch 40 PVC	+2.5		195
1" Galvanized Steel Pipe		+2		195
1/2 HP Grundfos Sub. Pump; intake set			@198 1/2'	

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

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 February 25, 1997

Date started 9-23-96, 19.....  
 Date completed 9-26-96, 19.....

7. WELL TEST DATA

TEST METHOD	Draw Down (Feet Below Static)	Time (Hours)
<input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift		
3		

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