WHITE—DIVISION OF WATER RESOURCES
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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. 71495
Permit No.
Basin 24

NOTICE OF INTENT NO. 30013

Consultant:
1. OWNER Montgomery Watson
MAILING ADDRESS 365 Lennon Lane
Walnut Creek, CA 94598

Client:
ADDRESS AT WELL LOCATION Rocketdyne Former Nevada Field Laboratory Area C
9700 Right Hand Canyon Road, Palmino Valley

2. LOCATION ~~SE~~ NW ¼ SE ¼ Sec. 18 T 22N N/S R 22 E Area C Washoe County
PERMIT NO. M/O 431-G MW C-2B (Issued by Water Resources) 077-310-04 (Parcel No.) Palmino Valley (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
SANDY SILT, with gravel, yellowish brown is comprised of loose, dry, sand is fine to coarse, subrounded. Grains of feldspar, quartz and mica flakes present, fine subrounded gravels comprised perdominantly of tuff fragments.		0	13	13
GRAVELLY SILT, pale brown, dry, fine, gravel subrounded, comprised of fragments of tuffs Whiskey and Chimney Springs. Fine to course sand, mica flakes noticeable in silt.		13	22	9
Silty Gravel, with sand, overall brown but gravel fragments vary widely in color from white to dark reddish gray, gravel fragments include middle and lower tuff of chimney springs and middle unit F member tuff of whiskey springs. Sand includes grains of quartz and feldspars.		22	30	8
CLAYEY SAND, with gravel, predominant color is dark reddish brown, with predominantly subangular coarse sand and fine gravels. Clasts include tuffs of whiskey and chimney springs.		30	74	44
RHYOLITIC TUFF, brown, high clay content, interpreted as volcanic glass altered to clays, phenocrysts include biotite and feldspar. Drill cuttings soft. Very little groundwater from borehole (.2gpm)		74	82.5	8.5

Continued on page 2

Date started 5-23-96, 19
Date completed 5-30-96, 19

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

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

Plugged by Well log # 116258

8. WELL CONSTRUCTION
Depth Drilled 114 Feet Depth Cased 104.5 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
13.5/8 Inches		0 Feet	84 Feet
8 Inches		84 Feet	114 Feet
Inches		Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4" OD Steel		.188	0	104.5
1' Galvanized steel pipe			+1	102
1" Sounding tube sch 40 PVC			+1	102

Continued page 2

Perforations:
Type perforation Factory sawed vertical slots
Size perforation 4" OD steel x0.020 w/double roll
From 94.5 feet to 104.5 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal +1-87.5 feet
Placement Method: ☒ Pumped
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Bentonite seal 87.5-90.5
#30 Lonestar filter sand 90.5-91.5
Gravel Packed: ☒ Yes ☐ No
From 91.5-107' with #3 Lonesatar filter sand feet to Coarse Aquarium feet
107-114' native material

9. WATER LEVEL
Static water level (6-11-96) 24.5 feet below land surface
Artesian flow G.P.M. 50 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 May 28, 1997

RECEIVED 98 APR 29 PM 12:02 STATE ENGINEER

(Rev. 3-91)
USE ADDITIONAL SHEETS IF NECESSARY
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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. 71495
Permit No. 84
Basin

NOTICE OF INTENT NO. 30603

1. OWNER (Consultant): MONTGOMERY WATSON
MAILING ADDRESS: 365 Lennon Lane, Walnut Creek, CA 94598

Client: ADDRESS AT WELL LOCATION: Rocketdyne Former Nevada Field Laboratory Area C, Right Hand Canyon Road, Plamino Valley

2. LOCATION SE ¼ SE ¼ Sec. 18 T. 22 N N/S R. 22 E. Area C Washoe County
PERMIT NO. M/O 431-G MW C-2B (Issued by Water Resources) 077-310-04 (Parcel No.) Palmino Valley (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.				
RHYOLITIC TUFF, light grey, with coarse sand to pebble sized dark, lithic fragments that are subrounded, and biotite phenocrysts in a relatively fine grained groundmass that appears to have abundant volcanic glass shards. Drill cuttings hard and well indurated. Approximately 2-5 gpm groundwater being produced from borehole.		82.5	87	5.5
RHYOLITIC TUFF, light brownish gray with abundant euhedral biotite and feldspars phenocrysts and rarer lithic fragments in fine grained groundmass. Drill cuttings hard and well indurated. Borehole producing approximately 10-15gpm.		87	114	27
@ 98' soft zone, groundwater production increased to approximately 25-30 gpm.				
@ 100' as above, biotite and feldspar phenocrysts still apparent, but mineral grains not as well developed.				
From 98-105', soft/hard layers, irregularly interbedded.				
@ 105' borehole producing approximately 40 gpm of groundwater.				
@ 108' orange brown staining.				
@ 110', borehole producing approximately 50 gpm groundwater.				
Plugged by Well Log No. 116258				

Date started 5-23-96, 19
Date completed 5-30-96, 19

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

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

RECEIVED 98 APR 20 PM 12:22 STATE ENGINEER

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)
1" sch 80 PVC Sounding tube			+2	102
Steel centralizers @ 10', 74', 92', 104.5'				
6" PVC End Cap @ 105' Well seal				
3/4 Grundfor Sub, Pump: set at 102'.				
Aboveground locking Standpipe from				

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
Depth of Seal
Placement Method: ☐ Pumped ☐ Poured
Seal Type: ☐ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Bentonite Cement Grout 0-84'& + /-87.5'
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 Gary L. Hefman (By driller performing actual drilling on site or contractor)
Date May 28, 1997

(Rev. 3-91)

USE ADDITIONAL SHEETS IF NECESSARY

(O)-627