

STATE OF NEVADA
 DIVISION OF WATER RESOURCES

OFFICE USE ONLY
 Log No. 606082
 Permit No. 287
 Basin 287
 NOTICE OF INCIDENT NO. 34835

WELL DRILLER'S REPORT

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

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

1. OWNER Todd Curtis
 MAILING ADDRESS 14260 Thomas Creek Reno, NV 89511
 ADDRESS AT WELL LOCATION 14260 Thomas Creek Lane

2. LOCATION SW 1/4 NW 1/4 Sec. 30 T 18N N/S R 20E E Washoe County
 PERMIT NO. WaCo #5859 049-372-19
 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
We deepened this well with 5" casing. We entered the well and hit a 6" liner at 336'. We drilled from 410' to 680' and dropped 287' x 5" finer into the well. We pushed the liner to a bottom depth of 646' where it stopped. Obvious fractures at 605 and 648 as well as others.				
Medium hard DG		410	480	70
Hard granite with fractures		480	680	200
<i>Top of 5" liner 359'</i>				
<i>See attached for more info</i>				

8. WELL CONSTRUCTION
 Depth Drilled 680 Feet Depth Cased 646 Feet

HOLE DIAMETER (BIT SIZE)

From		To	
Inches	Feet	Inches	Feet
<u>5 7/8</u>	<u>410</u>	<u>680</u>	<u>680</u>

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>5"</u>	<u>10.79</u>	<u>.188</u>	<u>359</u>	<u>646</u>

Perforations:
 Type perforation Factory
 Size perforation 3/32" x 3" single row

From	feet to	feet to
<u>364</u>	<u>384</u>	<u>feet</u>
<u>624</u>	<u>644</u>	<u>feet</u>

Surface Seal: Yes No Seal Type:
 Neat Cement
 Cement Grout
 Concrete Grout

Placement Method: Pumped Poured

Gravel Packed: Yes No
 From _____ feet to _____ feet

Date started 5/28/97 19__
 Date completed 6/4/97 19__

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>11</u>		<u>3</u>

9. WATER LEVEL
 Static water level _____ feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature cool °F Quality not tested

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name Bruce Mackay Pump & Well Service, Inc. Contractor
 Address 1600 Mt. Rose Hwy Contractor
RENO, NV 89511
 Nevada contractor's license number issued by the State Contractor's Board 23096
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1719
 Signed R. Bruce Mackay
 By driller performing actual drilling on-site or contractor
 Date 6-6-97

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

STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY

Log No. _____

Permit No. _____

Basin _____

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

NOTICE OF INTENT NO. 34835

1. OWNER Todd Curtis ADDRESS AT WELL LOCATION _____
MAILING ADDRESS 14260 Thomas Creek 14260 Thomas Creek Lane
Reno, NV 89511

2. LOCATION SW 1/4 NW 1/4 Sec. 30 T 18N NS R 20E E Washoe County
PERMIT NO. WaCo #5658 049-372-19
Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED 4. PROPOSED USE 5. WELL TYPE

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	Thickness
We deepened this well with 5" casing. We entered the well and hit a 6" liner at 336'. We drilled from 410' to 680' and dropped 287' x 5" liner into the well. We pushed the liner to a bottom depth of 646' where it stopped. Obvious fractures at 605 and 648 as well as others.				
We were unable to get a static water level due to the 2 casing changes and depth. We ran the pump for over 6 hours at 11 gpm and never broke suction. Prior static level was 370' before deepening.				
Medium hard DG		410	480	70
Hard granite with fractures		480	680	200

8. WELL CONSTRUCTION

Depth Drilled 680 Feet Depth Cased 646 Feet

HOLE DIAMETER (BIT SIZE)

From	To
<u>5 7/8</u> inches	<u>410</u> Feet <u>680</u> Feet
_____ inches	_____ Feet _____ Feet
_____ inches	_____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>5"</u>	<u>10.78</u>	<u>.188</u>	<u>359</u>	<u>646</u>

Perforations:

Type perforation Factory
Size perforation 3/32" x 3" single row

From <u>364</u>	feet to <u>384</u>	feet
From <u>624</u>	feet to <u>644</u>	feet
From _____	feet to _____	feet
From _____	feet to _____	feet
From _____	feet to _____	feet

Surface Seal: Yes No Seal Type:
Depth of Seal _____ Neat Cement
Placement Method: Pumped Cement Grout
 Poured Concrete Grout

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 cool °F Quality not tested

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Bruce MacKay Pump & Well Service, Inc.
Contractor
Address 1600 ML Rose Hwy
Contractor
RENO, NV 89511

Nevada contractor's license number issued by the State Contractor's Board 23096

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1719

Signed R. Bruce MacKay
By driller performing actual drilling on-site or contractor
Date 6-6-97

7. WELL TEST DATA

TEST METHOD:	Ballor		Pump		Air LR	
	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
	<u>11</u>		<u>3</u>			