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

OFFICE USE ONLY  
 Log No. 74842  
 Permit No. 87 85  
 Basin \_\_\_\_\_  
 NOTICE OF INTENT NO. **40316**

PRINT OR TYPE ONLY  
 DO NOT WRITE ON BACK

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

1. OWNER Roy Arneson ADDRESS AT WELL LOCATION 2400 La Jolla Sparks, NV 89436  
 MAILING ADDRESS 3155 Wedekind Sparks, NV 89431

2. LOCATION SE 1/4 SE 1/4 Sec. 30 T 21N N/S R 21E E Washoe County  
 PERMIT NO. 076-380-33 Issued by Water Resources Parcel No. \_\_\_\_\_ Subdivision Name \_\_\_\_\_

3. WORK PERFORMED  
 New Well  Replace  Recondition  Deepen  Abandon  Other \_\_\_\_\_

4. PROPOSED USE  
 Domestic  Municipal/Industrial  Irrigation  Monitor  Test  Stock

5. WELL TYPE  
 Cable  Rotary  RVC  Air  Other mud

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Brown D.G. clay mix		0	5	
Brown D.G.		5	15	10
Multi colored volcanic rock with boulders		15	25	10
Black with white granite		25	30	5
Multi colored volcanic rock hard		30	34	4
Gray granite fractured		34	50	16
Weathered granite hard		50	54	4
Weathered granite with orange and brown clay		54	110	56
Weathered granite with orange and brown clay		110	115	5
Weathered granite soft		115	125	10
Orange clay with weathered granite soft		125	140	15
Multi colored volcanic rock with orange clay stone		140	150	10
Black and brown volcanic rock with orange clay sone		150	175	25
Multi colored volcanic rock fractured		175	190	15
Multi colored volcanic rock with orange clay stone		190	193	3
Multi colored volcanic rock		193	200	7
Black and brown granite		200	265	65

8. WELL CONSTRUCTION  
 Depth Drilled 700 Feet Depth Cased 700 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
10 5/8 Inches	0	50
8 1/2 Inches	50	595
6 1/8 Inches	595	700

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8	17.0	.225	+ 1 1/2	595
5 INCHES	6.56	.188	580	700

Perforations:  
 Type perforation **FACTORY SAWED**  
 Size perforation 3/32X3

From	feet to	feet
From	675	595
From	660	700
From		
From		
From		

Surface Seal:  Yes  No  
 Depth of Seal 50'  
 Placement Method:  Pumped  Poured  
 Seal Type:  Neat Cement  Cement Grout  Concrete Grout

Gravel Packed:  Yes  No  
 From 595 feet to 50 feet

9. WATER LEVEL  
 Static water level 490 feet below land surface  
 Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
 Water temperature COLD °F Quality \_\_\_\_\_

Continued on next page

Date started 3/1/99, 19\_\_  
 Date completed 3/19/99, 19\_\_

7. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailer	<input type="checkbox"/> Pump	<input checked="" type="checkbox"/> Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
<u>20+</u>		<u>2 hours</u>	

10. DRILLER'S CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.

Name A.S.A.P. PUMP & WELL SERVICE Contractor  
 Address PO BOX 60130 Contractor  
RENO, NV 89506  
 Nevada contractor's license number issued by the State Contractor's Board 35387-A  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2066

Signed [Signature]  
 Date 3/20/99

STATE OF NEVADA  
 DIVISION OF WATER RESOURCES  
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 NOTICE OF INTENT NO. **40316**

1. OWNER **Roy Arneson** ADDRESS AT WELL LOCATION **2400 La Jolla Sparks,**  
 MAILING ADDRESS **3155 Wedekind NV 89436**  
**Sparks, NV 89431**

2. LOCATION **SE 1/4 SE 1/4 Sec. 30 T 21N N/S R 21E E Washoe** County  
 PERMIT NO. **076-380-33** Parcel No. \_\_\_\_\_ Subdivision Name \_\_\_\_\_  
Issued by Water Resources

3. WORK PERFORMED  
 New Well  Replace  Recondition  Test  
 Deepen  Abandon  Other \_\_\_\_\_  Municipal/Industrial  Monitor  Stock

4. PROPOSED USE

5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other \_\_\_\_\_

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Multi colored volcanic rock soft		265	280	15
Orange and brown clay with black volcanic rock		280		
Colored volcanic rock		300	316	16
Brown clay with multi colored volcanic rock		316	325	9
Brown clay with black volcanic rock		325	327	2
Brown and white volcanic rock fractured		327	332	5
Multi colored volcanic rock fractured		332	335	3
Multi colored volcanic rock with grey clay		335	345	10
Multi colored volcanic with brown clay		345	360	15
Black brown grey volcanic rock fractured		360	364	4
Multi colored volcanic rock with brown and grey clay		364	390	26
Brown clay with black volcanic rock		390	395	5
Brown clay with multi colored volcanic rock		395	405	10
Brown and grey clay with multi colored volcanic rock		405	408	3

8. WELL CONSTRUCTION

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

HOLE DIAMETER (BIT SIZE)

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

CASING SCHEDULE

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

Perforations:

Type perforation \_\_\_\_\_  
 Size perforation \_\_\_\_\_

From	To	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 \_\_\_\_\_ °F Quality \_\_\_\_\_

Continued on next page

Date started **3/1/99**, 19\_\_\_\_  
 Date completed **3/19/99**, 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)	

10. DRILLER'S CERTIFICATION

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

Name **A.S.A.P. PUMP & WELL SERVICE** Contractor  
 Address **PO BOX 60130** Contractor  
**RENO, NV 89506**  
 Nevada contractor's license number issued by the State Contractor's Board **35387-A**  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller **2066**

Signed *Larry Welch*  
 By driller performing actual drilling on-site or contractor  
 Date **3/20/99**

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

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 Basin \_\_\_\_\_

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 MAILING ADDRESS 3155 Wedekind NV 89436  
Sparks, NV 89431

2. LOCATION SE 1/4 SE 1/4 Sec. 30 T 21N N/S R 21E E Washoe County  
 PERMIT NO. \_\_\_\_\_ Issued by Water Resources 076-380-33 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
Brown clay with multi colored volcanic rock		408	415	7
Brown and orange clay with multi colored volcanic rock		415	420	5
Multi colored volcanic rock with grey clay		420	450	30
Brown and orange clay with multi colored volcanic rock		450	460	10
Orange clay		460	465	5
Orange and brown clay with black volcanic rock		465	470	5
Orange and brown clay with multi colored volcanic rock		470	475	5
Orange clay with black volcanic rock		475	480	5
Brown and orange clay with multi colored volcanic		480	485	5
Grey clay with multi colored volcanic rock		485	488	3
Gray clay with multi colored volcanic rock		488	490	2
Multi colored volcanic rock with gray clay fractured		490	500	10
Red and brown clay		500	505	5
Red clay with brown volcanic rock fractured		505	510	5

Continued on next page

8. WELL CONSTRUCTION

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

HOLE DIAMETER (BIT SIZE)

Inches	From	Feet	To	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: \_\_\_\_\_  
 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 \_\_\_\_\_ °F Quality \_\_\_\_\_

Date started 3/1/99, 19\_\_\_\_  
 Date completed 3/19/99, 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 A.S.A.P. PUMP & WELL SERVICE Contractor  
 Address PO BOX 60130 Contractor

RENO, NV 89506  
 Nevada contractor's license number issued by the State Contractor's Board 35387-A

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2066

Signed [Signature] Driller performing actual drilling on-site or contractor  
 Date 3/20/99

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 MAILING ADDRESS 3155 Wedekind Sparks, NV 89431

ADDRESS AT WELL LOCATION 2400 La Jolla Sparks, NV 89436

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 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
Red clay with multi colored volcanic rock		510	520	10
Multi colored volcanic rock with red and gray clay		520	523	3
Multi colored red and gray clay		523	594	71
Red clay with volcanic rock		594	595	1
Red and brown volcanic rock		595	600	5
Black and red volcanic rock		600	615	15
Black and brown volcanic rock fractured		615	625	10
Brown volcanic rock		625	640	15
Multi colored volcanic rock		640	642	2
Brown volcanic rock		642	647	5
Multi colored volcanic rock		647	655	8
Brown volcanic rock fractured	X	655	675	20
Black and brown volcanic rock fractured	X	675	700	25
T.D. 700		700		

8. WELL CONSTRUCTION

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

HOLE DIAMETER (BIT SIZE)

Inches	From	To	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

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 \_\_\_\_\_ °F Quality \_\_\_\_\_

Date started 3/1/99, 19\_\_\_\_

Date completed 3/19/99, 19\_\_\_\_

7. WELL TEST DATA

TEST METHOD:	Bailer	Pump	Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2066

Signed [Signature] by driller performing actual drilling on-site or contractor

Date 3/20/99