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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 4 pages  
 NOTICE OF INTENT NO. 18849

Consultant:

1. ~~OWNER~~ Hydro-Search, Inc. ADDRESS AT WELL LOCATION Sparks Solvent/Fuel Site  
 MAILING ADDRESS 5250 So. Virginia St. #280 E. Glendale at Rail Spur  
Reno, Nevada 89502 Sparks, Nevada 89431

2. LOCATION SE 1/4 NW 1/4 Sec 10 T 19N N/S R 20 E Washoe County  
 PERMIT NO. M/O 396-A MW-211 SW corner of Parcel 034-321-01  
 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 Tubex

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Gravel fill (railbed material)		0	2.5	2.5
Clay with Silt (CL), very dark gray (10YR 3/1), approx. 15% silt intermixed with clay, damp, stiff, moderately plastic.		2.5	4	1.5
Silt (ML), dark grayish brown (10YR 4/2), some medium dense, slightly plastic.		at	4	
Same as at 4		at	5	
Silty Clay (CL), very dark drayish brown (10YR 3/2), approx. 30-40% silt intermixed with clay, damp, medium stiff to stiff, moderately plastic		at	8	
Same as above		at	9	
Silty Clay (CL) as above, micaceous (muscovite and phlogopite).		9.5	10.5	1
Clay (CL), very dark grayish brown (10YR 3/2), some silt, approx. 5% silt, clay is damp, plastic, stiff to very stiff.		at	11	
Silty Clay (CL), light olive brown (2/5 Y 5/4) approx.				

8. WELL CONSTRUCTION  
 Depth Drilled 64.5 Feet Depth Cased 63.5 Feet

HOLE DIAMETER (BIT SIZE)  
 From To  
9 5/16 Inches 0 Feet 63.5 Feet  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
5" PVC		Sch. 80	0	63.5
End Cap & Locking Cap				

Perforations:  
 Type perforation Factory Sawn Slot  
 Size perforation .060  
 From 18 feet to 63 feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Depth of Seal 9.7  Neat Cement  
 Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout

Bentonite Seal 9.7-12.5  
 Gravel Packed:  Yes  No Sand Filter 0/30 12.5 0  
 From One Star 6x12 mesh fr. 15.5-63.5 feet 15.5

9. WATER LEVEL  
 Static water level 50.8 feet below land surface  
 Artesian flow n/a G.P.M. n/a P.S.I.  
 Water temperature n/a °F Quality n/a

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 908  
 Signed [Signature] By driller performing actual drilling on site or contractor  
 Date July 15, 1994

Date started November 22 19 91  
 Date completed November 24 19 91

7. WELL TEST DATA

TEST METHOD:	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)
<u>no test</u>			

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 Client:

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Consultant: \_\_\_\_\_

1. ~~OWNER~~ Hydro-Search, Inc. ADDRESS AT WELL LOCATION Sparks Solvent/Fuel Site  
 MAILING ADDRESS 5250 So. Virginia St. #280 E. Glendale at Rall  
 Reno, Nevada 89502 Sparks, Nevada 89431

2. LOCATION SE 1/4 NW 1/4 Sec. 10 T. 19N N/S R. 20 E Washoe County  
 PERMIT NO. M/O 396-A MW-211  
 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

Cont.	Material	Water Strata	From	To	Thick-ness
	30-35% micaceous silt, damp, moderately plastic, medium stiff, 3-4% pore spaces with oxidation around pore perimeters. Pores apparently due to plant roots (2-3% partially decayed plants roots.) Clayey Silt (ML), some sand, with gravel, poorly sorted material.		15	16	1
	Gravelly Sand (SW), olive brown (2.5 Y 4/4), with cobbles, approx. 35-40% medium to coarse subangular to rounded gravel, 15-20% cobbles, damp, poorly sorted, subrounded to rounded, spherical to subdiscoidal, medium dense.		18	19	1
	Gravelly Sand and Sandy Gravel (GW/SW), olive brown (2.5 Y 4/3), some cobbles, intermixed layers of gravelly sand and sandy gravel, poorly sorted, 5-15% cobbles, and dark yellowish brown (10YR 4/4).		19	21	2

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)

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

Depth of Seal \_\_\_\_\_  
 Placement Method:  Pumped  Poured  
 Gravel Packed:  Yes  No  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Date started \_\_\_\_\_, 19\_\_\_\_  
 Date completed \_\_\_\_\_, 19\_\_\_\_

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 \_\_\_\_\_ 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 22549  
 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 July 15, 1994

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E. Glendale at Rall  
Sparks, Nevada 89431

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

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

6. LITHOLOGIC LOG

Cont.	Material	Water Strata	From	To	Thick-ness
	damp, sand gravel and cobbles are rounded to well rounded, subprismoidal to discoidal.		24.5	26	1.5
	Gravel and Sand (GW/SW), dark grayish brown (10YR 4/2), some cobbles, poorly sorted, well rounded to rounded gravel and sand, 10-15% cobbles, large rocks downhole, trace silt, damp moist.		29.5	31.5	2
	Gravel and Sand (GW/SW), some cobbles as above Abundant limonitic staining on sand grains, trace silt.		34.5	36	1.5
	Cobbles and Gravel with Sand (GW), 15-20% coarse to very coarse sand, 30-40% cobbles, rock fragments, poorly sorted gravel.		39.5	41.5	2
	Cobbles and Gravel with Sand (GW), as above, approx. 20-35% poorly sorted, medium to very coarse sand, 30% cobbles, larger rocks downhole.		44.5	45.4	1
	As above, thin (less than 1" thick), silty clay seam at approx 51' (olive				

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)

Perforations:  
 Type perforation \_\_\_\_\_  
 Size perforation \_\_\_\_\_  
 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 \_\_\_\_\_

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7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

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

