

Log No. 49658
 Permit No. 087
 Basin

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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 3 pages
 NOTICE OF INTENT NO. 18844

Consultant:

1. ~~OWNER~~ Hydro-Search, Inc.
 MAILING ADDRESS: 5250 So. Virginia St. #280
Reno, Nevada 89502

Client:
 ADDRESS AT WELL LOCATION: Sparks Solvent/Fuel Site
N.E. of Gregg St.
Sparks, Nevada 89431

2. LOCATION: SW 1/4 SW 1/4 Sec. 10 T. 19N N/S R. 20 E Washoe County
 PERMIT NO. M/O 396A MW-206 By Rail Spur in area of and N of parcels 034-131-16 & 11
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
Clayey Silty Sand (SC/ML), up to 35% clay, fine to medium, poorly sorted sand, surface is railway bassast gravel/cobbles (GW).		0	2	2
Clayey Silt (ML), some sand, trace gravel, approx. 30-35% clay, 5% fine to medium rounded to well rounded gravel, slightly damp, medium stiff.		3	7	4
Silt with Clay (ML), approx. 10-15% clay, trace medium to coarse rounded to subrounded gravel and sand, damp.		7	9	2
Clay with Silt (CL), olive brown (2.5YR 4/3), approx. 15% silt, damp to moist stiff to very stiff, plastic, clay from approx. 10-11' silt with clay above		9.9	11	1.3
Clay (CL), plastic, water injection required for drilling.		at	11	
Clay as above.		at	13	
Clay with Silt (CL), dark olive brown (2.5Y 3/3), approx. 20-25% silt, very				

8. WELL CONSTRUCTION
 Depth Drilled 54.5 Feet Depth Cased 54.5 Feet

HOLE DIAMETER (BIT SIZE)
 From 9/5/16 Inches To 0 Feet 54.5 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	54.5

End Cap & Locking Cap

Perforations:
 Type perforation Factory Sawn Slot
 Size perforation .060
 From 14 feet to 54 feet
 From feet to feet
 From feet to feet
 From feet to feet

Surface Seal: Yes No Seal Type:
 Depth of Seal 5' Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout

Bentonite Seal 5-8
 Gravel Packed: Yes No Sand filter (0/30) 8-11'
 From Lone Star 6x12 mesh fr. 11-54.6 feet

Date started November 15, 1991
 Date completed November 16, 1991

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>no test</u>			

9. WATER LEVEL
 Static water level 26.7 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

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WELL DRILLER'S REPORT

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Page 2 of 3 pages

NOTICE OF INTENT NO. 18844

Consultant:

1. ~~XXXXXX~~ Hydro-Search, Inc. ADDRESS AT WELL LOCATION Sparks Solvent/Fuel Site
 MAILING ADDRESS 5250 So. Virginia St. #280 N.E. of Gregg St.
 Reno, Nevada 89502 Sparks, Nevada 89431

2. LOCATION SW 1/4 SW 1/4 Sec 10 T 19N N/S R 20 E Washoe County

PERMIT NO. M/O 396A MW-206 Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED <input type="checkbox"/> New Well <input type="checkbox"/> Replace <input type="checkbox"/> Recondition <input type="checkbox"/> Deepen <input type="checkbox"/> Abandon <input type="checkbox"/> Other _____	4. PROPOSED USE <input type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Monitor <input type="checkbox"/> Stock	5. WELL TYPE <input type="checkbox"/> Cable <input type="checkbox"/> Rotary <input type="checkbox"/> RVC <input type="checkbox"/> Air <input type="checkbox"/> Other _____
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6. LITHOLOGIC LOG					
Cont.	Material	Water Strata	From	To	Thick-ness
	stiff, moderately plastic, damp, mottled with iron oxides, hematite/limonite staining along former plant roots and stems, 2-3% organic debris in matrix, some small pure spaces (possibly biological)		15	16	1
	Gravel with Cobbles and Coarse Sand (GW), sand fraction is dark brown (10YR 3/3), approx. 25-30% rounded cobbles of various lithologies (dominantly diuretic) of 2-4" in size, 15-20% poorly sorted fine to very coarse rounded sand, little or no silt, damp.		19.5	21	1.5
	Gravel and Sand (GW), some cobbles as above.		at	24	
	Gravel and Cobbles (GW), some very coarse sand, fragments of rocks. Cobbles are 3-6" in size (one of 8" diameter) and consist of intermediate to mafic plutonic and volcanic material, very				

8. WELL CONSTRUCTION	
Depth Drilled	Depth Cased
_____ Feet	_____ 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

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 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 _____, 19____

Date completed _____, 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)	

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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
 Client: _____

Page 3 of 3 pages
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Consultant: KUNNEY Hydro-Search, Inc.
 MAILING ADDRESS 5250 So. Virginia St. #280
Reno, Nevada 89502
 ADDRESS AT WELL LOCATION Sparks Solvent/Fuel Site
N.E. of Gregg St.
Sparks, Nevada 89431
 2. LOCATION SW 1/4 SW 1/4 Sec. 10 T. 19N N/S R. 20 E Washoe County
 PERMIT NO. M/O 396A MW-206
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
	coarse gravel, poorly sorted, little or no fines.				
	Note: Static water level at 25.5' bgs at 1440.				
	Gravel with Sand (GW), some cobbles as above, saturated		at 30		
	Gravel with Sand (GW), some silt, trace cobbles, medium to coarse poorly sorted gravel, fine to very coarse rounded to subrounded sand, 5-10% silt, saturated.		at 35		
	Same as above		at 40		
	Sandy Gravel (GW/GM), coarse sand, some silt, trace to some clay.		at 45		
	Sandy Gravel (GW/GC), dark olive brown (2.5Y 3/3), coarse sand, some clay, some silt, approx. 10-15% clay, 10% silt, poorly sorted medium to coarse gravel				
	poorly sorted sand, medium to very coarse		at 50		
	Clay, some silt, some sand, trace gravel clay forms balls during cyclone ejection, plastic to slightly plastic where silty, very stiff, saturated.		51	54	3
	Date started _____				19____
	Date completed _____				19____

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

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 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

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>10</u>	<u>10</u>	<u>10</u>
<u>5</u>	<u>5</u>	<u>5</u>