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

OFFICE USE ONLY
Log No. 123326
Permit No.
Basin

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

NOTICE OF INTENT NO. 33719

1. OWNER NV Environmental Response Trust
MAILING ADDRESS 35 E Wacker Drive, Ste 1550
Chicago IL 60601

ADDRESS AT WELL LOCATION 2400 Moser Drive
Henderson, NV Well # BHW-1
Subdivision Name: County: Clark

2. LOCATION NE ¼ SE ¼ Sec 36 T 21S N/S R 62 E
PERMIT/WAIVER No. MO-3038 (Issued by Water Resources) 161-36-701-005 Parcel No.

Latitude 36.0776 Longitude -114.9966
UTM E N
[x] NAD 27 [ ] NAD 83/WGS 84

3. WORKED PERFORMED
[x] New Well [ ] Replace [ ] Recondition [ ] Deepen [ ] Other

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

5. WELL TYPE
[ ] Cable [ ] Rotary [ ] RVC [ ] Air [x] Other Sonic

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
12" Flush Vault Completion		+1"	11"	#####
High Strength Concrete Mix		0	1.5	1.5'
Lithology Log Attached				

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Date started: 13-Apr, 20 15
Date completed: 15-Apr, 20 15

9. WELL CONSTRUCTION
Depth Drilled 40 Feet Depth Cased 39.5 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8	Inches	0	Feet	40	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4" PVC	1.58	.237 / Schd 40	0	14.5

Perforations:
Type of perforation PVC Wire Wrap
Size of perforation 0.020
From 14.5 feet to 39.5 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: [x] Yes [ ] No
[x] Neat Cement 1.5 to 10.5 [x] Pumped [ ] Poured
[ ] Cement Grout to [ ] Pumped [ ] Poured
[ ] Concrete Grout to [ ] Pumped [ ] Poured
[ ] ≥30% Bentonite Grout to [ ] Pumped [ ] Poured
Gravel Pack: [x] Yes [ ] No 13 to 40 [ ] Pumped [x] Poured
Type:
Bentonite Chips: [x] Yes [ ] No 10.5 to 13 [ ] Pumped [x] Poured
Type: 3/8" Medium Bentonite Chips

7. Water Level
Static water level: 24.85 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

8. WELL TEST DATA
TEST METHOD: [ ] Bailer [ ] Pump [ ] Air Lift

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

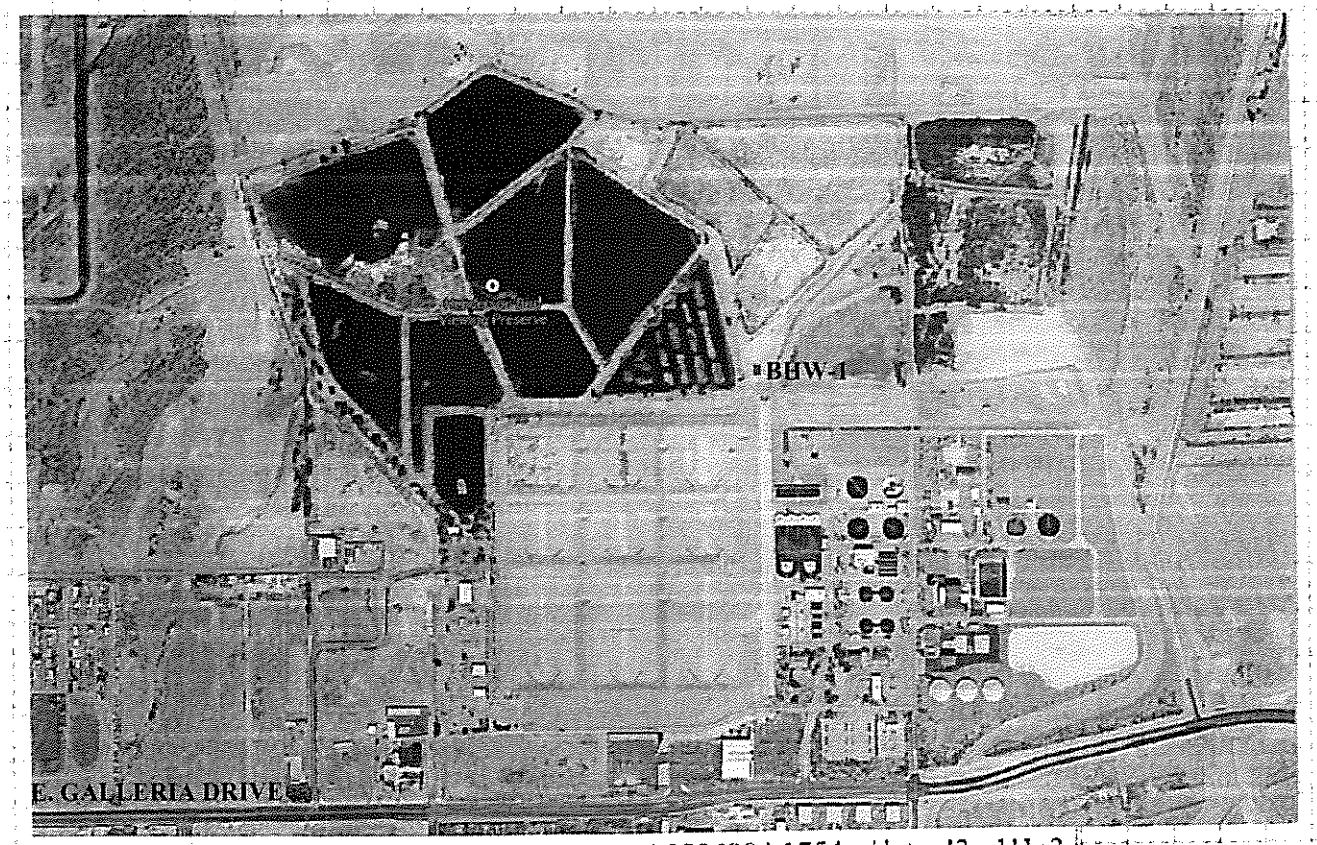
10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Cascade Drilling LP (Contractor)
Address 7773 W Seldon Lane (Contractor)
Peoria, Arizona
Nevada contractor's license number issued by the *State Contractor's Board* 73966
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2234
Signed (By driller performing actual drilling on site or contractor)
Date 5/8/2015

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

DRILLING LOG

DISTRICT	
HOLE NUMBER	BHW-1
DRILL SUBCONTRACTOR	CASCADE
SHEET / SHEETS	1 of 2
PROJECT	NERT
LOCATION	HENDERSON, NV
NAME OF DRILLER(S)	KEN THATCHER
MANUFACTURER'S DESIGN OF DRILL	SONIC
SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Continuous Sonic Core 6"x8" - 5' runs
HOLE LOCATION	
SURFACE ELEVATION	
DATE STARTED	4/13/15
DATE COMPLETED	4/14/15
OVERBURDEN THICKNESS	>40'
DEPTH DRILLED INTO ROCK	Ø
TOTAL DEPTH OF HOLE	40'
DEPTH OF GROUNDWATER ENCOUNTERED	25'
DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	(2 HOURS AFTER) 24.85'
OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A
GEOTECHNICAL SAMPLES	2
DISTURBED	N/A
UNDISTURBED	25'-26.5', 35'-36.5'
TOTAL NUMBER OF CORE BOXES	N/A
SAMPLES FOR CHEMICAL ANALYSIS	N/A
VOC	N/A
METALS	N/A
OTHER (SPECIFY)	
OTHER (SPECIFY)	
OTHER (SPECIFY)	
TOTAL CORE RECOVERY	
DISPOSITION OF HOLE	BHW-1
BACKFILLED	
MONITORING WELL	X
OTHER (SPECIFY)	
SIGNATURE OF INSPECTOR	[signature]
LOCATION SKETCH/COMMENTS	
SCALE	



https://www.google.com/maps/@36.0759239,-114.9896984,1754m/data=!3m1!1e3

PROJECT	NERT
HOLE NO.	BHW-1

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DRILLING LOG (CONTINUATION SHEET)

DISTRICT

HOLE NUMBER BHW-1

PROJECT **NERT**

INSPECTOR D. WARD

SHEET 2 of 2 SHEETS

ELEV (a)	DEPTH (b)	DESCRIPTION OF MATERIALS (c)	HNU SCREENING RESULTS (PPM) (d)	PUSH / SAMPLE INTERVAL (e)	ANALYTICAL SAMPLE NO (f)	USCS (g)	REMARKS (h)
		0-2' SANDY SILTY GRAVEL, LT. BROWN. 20% PEA SIZE GRANULES TO 25 mm				SP	
	2	2-10 SANDY SILTY GRAVEL, MED. BROWN, 20-25% PEA SIZE GRANULES TO 35mm				SP	
	10	10-12.5 SANDY SILTY GRAVEL DK. BROWN. 20-25% PEA SIZE GRANULES TO 20mm				SP	
	12.5	12.5-15 SANDY GRAVEL DK. BROWN W/ LT. GRAY GRAVEL				GP	
	15	15-17 SANDY GRAVEL, DK. BROWN, 15% PEA SIZE TO 18 mm GRAVEL				GP	
	17	17-22 SANDY GRAVEL, DK. BROWN.				GP	
	22	22-25 SANDY SILTY GRAVEL. LT. BROWN.				SP	▽ @ 25'
	25	25-30 SANDY SILTY GRAVEL. 10% PEA SIZE GRANULES.		☒ 25'-26.5'		SP	RECOVERY 100% OF SAMPLE
	30	30-35 SANDY SILT. DK. BROWN AND FINE GRAIN.				SM	
	35	35-39.5 SANDY GRAVEL. GRAVEL VERY ANGULAR W/ 30-40% PEA SIZE OR SMALLER.		☒ 35'-36.5'		SP	RECOVERY 80% OF SAMPLE
	39.5	39.5-40 CLAY, WHITE AND LT. GREEN. VERY STIFF.				CL	END OF BORING @ 40'
	40						

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PROJECT NERT

HOLE NO. BHW-1

MONITORING WELL CONSTRUCTION LOG

Project Name NERT OPERATIONS - GW BIOREMEDIATION PILOT TEST
Location HENDERSON, NV
Installed By CASCADE DRILLING
Inspected By A. WARD
Method of Installation SONIC
Remarks

Piez./Well No. BAW-1
Project No. T34048
Date 4/14/15 **Time** 1545

(SEE BORING LOG FOR MORE DETAIL)

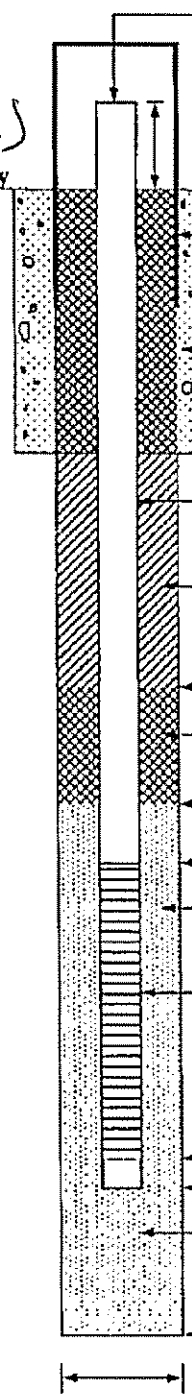
Generalized Stratigraphy

SANDY SILTY GRAVEL

SANDY SILT

SANDY GRAVEL

CLAY



Elevation of top of riser _____

Height of riser above ground FLUSH

Ground Elevation Ø'

I.D./Type of surface casing 12" VAULT FLUSH MOUNT

Type of surface seal CONCRETE

Depth of surface seal 1.5'

I.D./Type of riser pipe 4" SCHED. 40

Type of backfill CEMENT-BENTONITE

Depth to top of seal 10.5'

Type of seal BENTONITE

Depth of top of filter pack 13'

Depth of top of screen 14.5'

Type of filter pack 10-20 MESH

I.D./Type of screen 4" SCHED. 40

Screen slot size 0.020"

Depth of bottom of screen
Depth of bottom of plugged blank section 34.5'

Type of backfill below observation well SAND

Depth of bottom of boring 40'

Diameter of boring 8"

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