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

OFFICE USE ONLY
Log No. 112201
Permit No.
Basin 128

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. 63314

1 OWNER U.S. NAVY (AGENT: BROOKS GROUNDWATER)
MAILING ADDRESS 8455 CLASSIQUE AVE #102
LAS VEGAS, NV 89178

ADDRESS AT WELL LOCATION DIXIE VALLEY WELL # 81 C
Subdivision Name: County: CHURCHILL

2 LOCATION NE ¼ SW ¼ Sec 18 T 21N N/S R 35 E
PERMIT/WAIVER No. R-644 (Issued by Water Resources) Parcel No.

Latitude 39 DEG 41.218 MIN
Longitude 118 DEG 05.499 MIN
UTM E
N
☐ NAD 27
☒ NAD 83/WGS 84

3 TYPE OF WELL
☐ Domestic ☒ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? NO
If yes, what is replacement well NO!?

Is there an existing well log? UNKNOWN
If yes, what is NDWR well log #?

4 EXISTING WELL CONSTRUCTION
Depth Drilled Feet Depth Cased Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6"				

Existing Perforations:
Type of perforation
Size of perforation
From feet to feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

5 WATER LEVEL
Static water level feet below land surface
Artesian flow YES G.P.M. P.S.I
Water temperature COLD °F Quality

6 Additional Notes or Comments

CASING WAS VERY DETERIORATED

7 WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☐ yes ☒ no
If well was not cleaned out to total depth, please explain why:
WAS AT IT'S TOTAL DEPTH

Was the well contaminated? ☐ yes ☒ no
Was the casing pulled? ☐ yes ☒ no
Was the casing over drilled? ☐ yes ☒ no
If casing was left in place, please show where additional perforations were made:
Additional Perforations:
Type of perforater used:
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot

8 WELL PLUGGING MATERIALS

				Material Used		
From	O	feet to	125 feet	NEAT CEMENT	☒ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured
From		feet to	feet		☐ Pumped	☐ Poured

Neat Cement Fluid Weight 27.5 lbs/gal
Bentonite Grout % bentonite
Date Started 9/13/2010
Date Completed 9/13/2010

9 DRILLER'S CERTIFICATION
This well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.
Name STEVE'S PUMPS & WELL DRILLING (Contractor)
Address P.O. BOX 249/711-715 SEARS RD. (Contractor)
JANESVILLE, CA 96114
Nevada contractor's license number issued by the *State Contractor's Board* 0071285
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2369
Signed (By driller performing actual drilling on site or contractor)
Date 20-Sep-10

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

39.687049°N
118.090685°W
NAD 27
TR

2 of 3
112201

Brooks
Groundwater Consulting, Inc.

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STATE ENGINEER'S OFFICE

24 September 2010

Mr. Hamilton Reed
Division of Water Resources
901 South Stewart Street.
Suite 2002
Carson City, NV 89701

Subject: Waiver R-644 – Abandonment of Three Flowing Water Wells Located in Dixie Valley

Dear Mr. Reed:

As per Division of Water Resources waiver number R-644, this letter presents a summary of the well abandonments performed the week of September 13, 2010 on behalf of Chugach Support Services, Fallon, NV.

Brooks Groundwater Consulting Inc. contracted Steve's Pumps and Well Drilling, Nevada driller license 2369, to perform the work. The well abandonments were performed by pumping neat cement through a tremie pipe from the bottom of each well up to the top of casing. All three wells were open and flowing, with the top of casings at or near land surface. In all three wells, the volume of cement injected exceeded the calculated well volume. One well, identified as Well 81C, was partially obstructed by a thick root mat located at approximately 3 feet below the top of casing. This root mat was removed prior to abandonment. Due to the lack of available drilling logs, the well screen and casing configurations could not be ascertained. Refer to Table 1 below for well locations, specifications and cement volumes.

Table 1: Dixie Valley Well Abandonment Details

Well ID	N (WGS84)	W (WGS84)	Twn, Rng, Sec,1/4, 1/4	Diameter/ Depth	Casing Material	Calculated Well Volume	Volume of Cement
17I	39 42.120	118 04.763	T21N, R35E, S8, SWNW	6" / 100'	Steel	147 gal 20 ft^3	403 gal 54 ft^3
81C	39 41.218	118 05.499	T21N, R35E, S18, NESW	6" / 125'	Steel	184 gal 25 ft^3	358 gal 48 ft^3
82A	39 40.502	118 05.707	T21N, R35E, S19, SWNW L2	4" / 95'	Steel	62 gal 8 ft^3	381 gal 51 ft^3

In accordance with Nevada Revised Statute (NRS) 534.170 and Nevada Administrative Code (NAC) 534.340, copies of the Well Driller's Plugging Report have been prepared and are enclosed for your records.

8455 Classique Avenue #102, Las Vegas NV 89178
Phone (702) 461-6279 — E-mail cbrooks41@cox.net

Prior to demobilizing from Dixie Valley, BGW visually confirmed that the flow of water had been cut off from each of the three abandoned wells. No evidence of seeps or flowing groundwater was observed at Well 17I, 81C or 82A.

We hope that this summary letter and its enclosures provide you with the documentation that you require. If you have any comments or questions regarding this matter, please contact the undersigned.

Respectfully submitted,

Brooks Groundwater Consulting, Inc.

Courtney James Brooks, C.E.M, C.H.M.M.
Hydrogeologist

Cc: Stacia Stone, Chugach Support Services

Enclosures: As stated

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