STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 120906
Permit No.
Basin 101

PRINT OR TYPE ONLY

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

NOTICE OF INTENT NO. **71451**

1. OWNER **U.S. Dept of Energy / Stoller** **MV-5**
MAILING ADDRESS **2597 Legacy Way**
Grand Junction, CO. 81503

ADDRESS AT WELL LOCATION **Shoal Nevada Test Site**
Subdivision Name: *County:* **Churchill**

2. LOCATION **NW¼SW¼ Sec34T16N/ R32E**
PERMIT/WAIVER NO. **M/O-1933A**
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E **380478** ☒ NAD 27
N **4339889** ☐ NAD 83/WGS 84

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ 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
Granite		0	1751	1751
Cement		1152	1310	158
3/8" Coated Kwik Plug		1310	1315	5
#6 Sand		1315	1320	5
1/4" X 1/8" Gravel		1320	1595	275
3/8" Coated Kwik Plug		1595	1600	5
Cement		1600	1690	90
3/8" Coated Kwik Plug		1690	1693	3
1/4" X 1/8" Gravel		1693	1745	52

Nad27
39.201900°N
118.383999°W

Date started: **August 16**, 20 **14**
Date completed: **September 2**, 20 **14**

9. *WELL CONSTRUCTION*
Depth Drilled **1751** Feet Depth Cased **1728** Feet

HOLE DIAMETER (BIT SIZE)

	From	To
19 Inches	**0** Feet	**60** Feet
12.25 Inches	**60** Feet	**1751** Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
14.0	72.09	.500	0	60
2.375	5.02	.218	+2	1728
5.5	15.36	.258	+2	1565

Perforations:
Type of perforation **Mill Slot**
Size of perforation **5.5"-.080 2.375"-.080**
From **1325 5.5"** feet to **1565** feet
From **1698 2.375"** feet to **1728** feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☐ Yes ☒ No
☒ Neat Cement 1152 to 1310 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 1693 to 1745 ☐ Pumped ☒ Poured
Type: **1/4" X 1/8" 1320 to 1595**
Bentonite Chips: ☒ Yes ☐ No 1690 to 1693 ☒ Pumped ☐ Poured
Type: **3/8" Kwik Plug 1310 to 1315**

7. *Water Level*
Static water level: **5.5"-1052, 2.375"-1054** feet below land surface
Artesian Flow: **N/A** G.P.M. P.S.I
Water Temperature: **N/A** °F
Quality: **N/A**

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
N/A	N/A	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 **Boart Longyear** (CONTRACTOR)
Address **2745 California Ave.** (CONTRACTOR)
SLC., UT. 84104
Nevada contractor's license number issued by the *State Contractor's Board* **0021976**
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* **2452**
Signed
By driller performing actual drilling on site or contractor
Date **September 22, 2014**