

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

OFFICE USE ONLY **108761**

Log No. _____
 Permit No. _____
 Basin **156**

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. **63065**

1. OWNER **U.S. Dept. of Energy** **MV-4** ADDRESS AT WELL LOCATION **Central NV Test Area, near Morley Peak**
 MAILING ADDRESS **2597 3/4 Road** **Grand Junction, CO 81503** **Subdivision Name:** _____ **County: NYE**
 2. LOCATION **NW¼NW¼ Sec23T9N/ R51E** Latitude **38.632877N** UTM E **568798** NAD 27
 PERMIT/WAIVER NO. **M/O-1515A** **NA** Longitude **116.209584W** N **4276127** NAD 83/WGS 84
Issued by Water Resources Parcel No.

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 **Flooded Reverse**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Aluvium		0'	1590'	1590'
Welded Tuff		1590'	1600'	10'
Volcaniclastic Sediments		1600'	1720'	120'
Welded Tuff		1720'	1730'	10'
Volcaniclastic Sediments		1730'	1920'	190'
Welded Tuff		1920'	1930'	10'
Volcaniclastic Sediments		1930'	2130'	200'
Lacustrine Mudstone		2130'	2170'	40'
Welded Tuff		2170'	2180'	10'
Volcaniclastic Sediments		2180'	2220'	40'

9. WELL CONSTRUCTION

Depth Drilled **2220** Feet Depth Cased **2064** Feet

HOLE DIAMETER (BIT SIZE)

From	To
31.00 Inches	0 Feet 98 Feet
12.250 Inches	98 Feet 2220 Feet
_____ Inches	_____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
24.00	125.49	.500	0	98
5.50	15.50	.275	+1	2064
2.375	5.02	.218	+1	997

Well Construction:

Neat Cement	0'	843'	843'
3/8 Hole Plug	843'	863'	20'
#6 Sand	863'	896'	33'
1/4 x 1/8 Gravel	896'	1032'	136'
Neat Cemet	1032'	1645'	613'
#6 Sand	1645'	1701'	56'
1/4 x 1/8 Gravel	1701'	2098'	397'
Neat Cement	2098'	2220'	122'

Perforations:

Type of perforation **Slotted**

Size of perforation **.100**

From 5.5" -----	1720 feet to	2024 feet
From 2.375" -----	917 feet to	977 feet
From _____	feet to	feet
From _____	feet to	feet
From _____	feet to	feet

All materials pumped via trimmie pipe.

Date started: **22-Apr**, 20 **09**
 Date completed: **07-May**, 20 **09**

7. Water Level

Static water level: **555 Lower 276 Upper** feet below land surface

Artesian Flow: _____ G.P.M. _____ P.S.I.

Water Temperature: **70** °F

Quality: _____

8. WELL TEST DATA

TEST METHOD:	TEST METHOD:		
	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
5.5"	6.0	NA	48.0
2.375"	21.0	NA	12.0

TEST METHOD: Bailer Pump Air Lift

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 Drilling Services** (CONTRACTOR)

Address **P.O. Box 5279** (CONTRACTOR)

Elko, NV 89802

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 **2308**

Signed _____
 By driller performing actual drilling on site or contractor

Date **26-May-09**