

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

OFFICE USE ONLY
 Log No. 108650
 Permit No. _____
 Basin 156 pg1

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. **63066**

1. OWNER **U.S. Dept. of Energy** **MV-5** ADDRESS AT WELL LOCATION **Central Nevada Test Area, near Morley Peak**
 MAILING ADDRESS **2597 B 3/4 Road** **Grand Junction, CO 81503** **Subdivision Name: NA** **County: Nye**

2. LOCATION **SE 1/4 NE 1/4 Sec 22 T9N R51E** Latitude _____ UTM E **568498** NAD 27
 PERMIT/WAIVER NO. **M/O-1515A** **NA** Longitude _____ N **4275954** 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 Monitor Stock
 Municipal/Industrial

5. WELL TYPE
 Cable Rotary RVC
 Air Other **Flooded Reverse**

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thickness |
|--------------------------|--------------|-------|-------|-----------|
| Aluvium | | 0' | 1690' | 1690' |
| Volcaniclastic Sediments | | 1690' | 1852' | 162' |
| Welded Tuff | | 1852' | 1858' | 6' |
| Volcaniclastic Sediments | | 1858' | 1870' | 12' |
| Non-Welded Tuff | | 1870' | 1880' | 10' |
| Welded Tuff | | 1880' | 1890' | 10' |
| Volcaniclastic Sediments | | 1890' | 1990' | 100' |
| Non-Welded Tuff | | 1990' | 2000' | 10' |
| Volcaniclastic Sediments | | 2000' | 2145' | 145' |
| Welded Tuff | | 2145' | 2149' | 4' |
| Volcaniclastic Sediments | | 2149' | 2190' | 41' |
| Non & Partly Welded Tuff | | 2190' | 2220' | 30' |
| Volcaniclastic Sediments | | 2220' | 2240' | 20' |
| Non-Welded Tuff | | 2240' | 2270' | 30' |
| Welded Tuff | | 2270' | 2280' | 10' |
| Non-Welded Tuff | | 2280' | 2290' | 10' |
| Volcaniclastic Sediments | | 2290' | 2310' | 20' |
| Welded & Non-Welded Tuff | | 2310' | 2330' | 20' |
| Volcaniclastic Sediments | | 2330' | 2350' | 20' |
| Welded & Non-Welded Tuff | | 2350' | 2370' | 20' |
| Volcaniclastic Sediments | | 2370' | 2400' | 30' |

9. WELL CONSTRUCTION
 Depth Drilled **2399** Feet Depth Cased **2203** Feet

HOLE DIAMETER (BIT SIZE)
 From _____ To _____
31.00 Inches **0** Feet **95** Feet
12.250 Inches **95** Feet **2399** 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 | 95 |
| 5.50 | 15.50 | .275 | +1 | 2023 2203 |
| 2.375 | 5.02 | .218 | +1 | 1096 |

Perforations:
 Type of perforation **Slotted**
 Size of perforation **.100**
 From **5.5"** **1838** feet to **2163** feet
 From **2.375"** **1017** feet to **1077** feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Well Construction on Page 2

38, 631342 IV
116. 213048°W
NAD 83 TA

Date started: **10-May, 20 09**
 Date completed: **25-May, 20 09**

Annular Seal: Yes No

Neat Cement to _____ Pumped Poured
 Cement Grout to _____ Pumped Poured
 Concrete Grout to _____ Pumped Poured
 ≥30% Bentonite Grout to _____ Pumped Poured

Gravel Pack: Yes No to _____ Pumped Poured
 Type: _____
 Bentonite Chips: Yes No to _____ Pumped Poured
 Type: _____

7. Water Level
 Static water level: **694-Lower 377-Upper** feet below land surface
 Artesian Flow: _____ G.P.M. _____ P.S.I.
 Water Temperature: **70** °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 **Boart Longyear Drilling Services** (CONTRACTOR)
 Address **P.O. Box 5279** (CONTRACTOR)
Eiko, NV 89802
 Nevada contractor's license number issued by the State Contractor's Board **0021978**
 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**

8. WELL TEST DATA

| TEST METHOD: | TEST METHOD: | | |
|---------------|--------------|--|--------------|
| | G.P.M. | <input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift Draw Down (Feet Below Static) | Time (Hours) |
| 5.5" | 9.0 | NA | 36.0 |
| 2.375" | 19.0 | NA | 12.0 |
| | | | |
| | | | |
| | | | |

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 Basin 150

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NOTICE OF INTENT NO. 63066

1. OWNER U.S. Dept. of Energy **MV-5** ADDRESS AT WELL LOCATION Central Nevada Test Area, near Morley Peak
 MAILING ADDRESS 2597 B 3/4 Road
Grand Junction, CO 81503 **Subdivision Name: NA** **County: Nye**

2. LOCATION SE¼NE¼ Sec22T9N/ R51E Latitude _____ UTM E 568498 NAD 27
 PERMIT/WAIVER NO. M/O-1515A **NA** Longitude _____ N 4275954 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 | Thick-ness |
|---------------------------|--------------|-------|-------|------------|
| Page 2 | | | | |
| Well Construction: | | | | |
| Neat Cement | | 0' | 970' | 970' |
| 3/8 Hole Plug | | 970' | 972' | 2' |
| #6 Sand | | 972' | 997' | 25' |
| 1/4 x 1/8 Gravel | | 997' | 1120' | 123' |
| Neat Cement | | 1120' | 1750' | 630' |
| 3/8 Hole Plug | | 1750' | 1753' | 3' |
| #6 Sand | | 1753' | 1778' | 25' |
| 1/4 x 1/8 Gravel | | 1778' | 2232' | 454' |
| Neat Cement | | 2232' | 2399' | 167' |

All material pumped via tremmie pipe

9. WELL CONSTRUCTION
 Depth Drilled 2399 Feet Depth Cased 2203 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 of perforation _____
 Size of perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Annular Seal: Yes No
 Neat Cement _____ to _____ Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured
 Gravel Pack: Yes No _____ to _____ Pumped Poured
 Type: _____
 Bentonite Chips: Yes No _____ to _____ Pumped Poured
 Type: _____

Date started: 10-May, 20 09
 Date completed: 25-May, 20 09

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

8. WELL TEST DATA

| TEST METHOD: | <input type="checkbox"/> Bailer | <input type="checkbox"/> Pump | <input checked="" type="checkbox"/> Air Lift |
|--------------|---------------------------------|-------------------------------|--|
| | Draw Down (Feet Below Static) | | Time (Hours) |
| G.P.M. | | | |
| | | | |
| | | | |
| | | | |

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