

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

OFFICE USE ONLY
Log No. 114356
Permit No. _____
Basin 137A

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. 66745 66737
TA
9/22/11

1. OWNER Manhattan Mining Company
MAILING ADDRESS PO Box 54
Manhattan, Nv 89022

ADDRESS AT WELL LOCATION #1 Manhattan Rd
Manhattan, Nv 89022
Subdivision Name: Goldwedge mine County: Nye
Latitude 38.54111n UTM E _____
Longitude 117.09041w N _____

2. LOCATION NW 1/4 NW 1/4 Sec 19 T 8 N 44 E
PERMIT/WAIVER No. NV2008101 000-156-75
Parcel No. _____

3. WORKED PERFORMED

| | | |
|--|---------|-------------|
| <input checked="" type="checkbox"/> New Well | Replace | Recondition |
| Deepen | Other | |

4. PROPOSED USE

| | | |
|----------------------|---|-------|
| Domestic | Irrigation | Test |
| Municipal/Industrial | <input checked="" type="checkbox"/> Monitor | Stock |

5. WELL TYPE

| | |
|-------|---|
| Cable | <input checked="" type="checkbox"/> RVC |
| Other | see notes |

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thickness |
|--------------------------|--------------|------|-----|-----------|
| Sand & gravel | | 0 | 20 | 20 |
| Gray silty Limestone | | 20 | 70 | 50 |
| gray fractured limestone | | 70 | 160 | 90 |
| | | 160 | | |

9. WELL CONSTRUCTION

| | | | | | |
|---------------|-----|------|-------------|-----|------|
| Depth Drilled | 160 | Feet | Depth Cased | 160 | Feet |
|---------------|-----|------|-------------|-----|------|

HOLE DIAMETER (BIT SIZE)

| | From | To |
|---------------|------|-----|
| 10 7/8 inches | 0 | 20 |
| 7 7/8 inches | 20 | 160 |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|--------------------|---------------------|-------------------------|-------------|-----------|
| 4 1/2 | | sch 40 | 2.8 agl | 160 |

Perforations:

| Type of perforation | Size of perforation | From | To |
|---------------------|---------------------|------|-----|
| horizontal mill cut | 0.02 | 90 | 160 |

Annular Seal: Yes

Neat Cement to _____ Poured

Cement Grout 0 to 10 Poured

≥30% Bentonite Grout to _____ Poured

Gravel Pack: Yes No 85 to 160 Poured

Type: 1/4 minus pea

Bentonite Chips: Yes 10 to 85 Poured

Type: 3/8 casing seal

Date started: Thursday, August 11, 2011
Date completed: August 15, 2011

7. Water Level
Static water level: 93.20 feet below land surface
Artesian Flow: _____ G.P.M. _____ P.S.I.
Water Temperature: cold °F
Quality: good

8. WELL TEST DATA

TEST METHOD: Bailer Pump APLA

| | G.P.M. 25 | Draw Down (Feet Below Static) | Time (Hours) |
|-----|-----------|-------------------------------|--------------|
| Air | est 10 | est 140 | 0.5 |

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name High Desert Drilling LLC
Contractor
Address 4225 E Mary Way
Contractor
Winnemucca Nevada 89445
Nevada contractor's license number _____
issued by the State Contractor's Board 62237
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2364
Signed [Signature]
By driller performing well drilling on-site or contractor
Date August 14, 2011 Roger N. Johnson

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 STATE ENGINEERS DEPT