

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

OFFICE USE ONLY  
Log No. 114354  
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  
RIBM-1-11  
TA  
9/22/11

1. OWNER Manhattan Mining Company ADDRESS AT WELL LOCATION #1 Manhattan Rd  
MAILING ADDRESS PO Box 54 Manhattan, Nv 89022 County: Nye  
Subdivision Name: Goldwedge mine

2. LOCATION NW 1/4 NE 1/4 Sec 19 T 8 N 44 E Latitude 38.5425 UTM E  
PERMIT/WAIVER No. NV2008101 000-156-75 Longitude 117.08817 N

Issued by Water Resources Parcel No. \_\_\_\_\_

3. WORKED PERFORMED  Deepen  Replace  Recondition  Other

4. PROPOSED USE  Domestic  Irrigation  Test  Stock

5. WELL TYPE  Cable  RVC  Other see notes

8. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Sand & gravel		0	52	52
hard calcite in quartzite		52	60	8
Softer brown w/ quartz		60	66	6
Calcite in limestone		66	70	4
hard calcite in quartzite		70	90	20
Oxidized shale in limestone		90	100	10
Calcite in limestone		100	108	8
Oxidized shale in limestone		108	117	9
Blue soft mudstone		117	128	11
blue/green/gray turning harder	x	128	140	12
Gray fractured shale	x	140	145	5
White quartz	x	145	150	5
oxidized shale in limestone & quartz	x	150	155	5
White quartz	x	155	162	7
oxidized shale in limestone & quartz	x	162	165	3
White quartz	x	165	168	3
oxidized shale in limestone & quartz	x	168	173	5
Gray fractured shale	x	173	248	75
Multicolored cuttings, mostly quartz	x	248	253	5
shale	x	253	271	18
Multicolored cuttings, mostly quartz	x	271	288	17
Calcite	x	288	301	13
		301		

9. WELL CONSTRUCTION

Depth Drilled 300 Feet Depth Cased 300

HOLE DIAMETER (BIT SIZE)

	From	To	Feet	Feet
<u>10 7/8</u> Inches	<u>0</u>	<u>20</u>		
<u>7 7/8</u> Inches	<u>20</u>	<u>300</u>		

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4 1/2</u>		<u>sch 40</u>	<u>3 agl</u>	<u>300</u>

Perforations:

Type of perforation horizontal mill cut

Size of perforation 0.02

From 160 feet to 300 feet

From \_\_\_\_\_ feet to \_\_\_\_\_ feet

From \_\_\_\_\_ feet to \_\_\_\_\_ feet

From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Annular Seal:  Yes

Neat Cement to \_\_\_\_\_ Poured

Cement Grout 0 to 10 Poured

≥30% Bentonite Grout to \_\_\_\_\_ Poured

Gravel Pack:  Yes No 155 to 300 Poured

Type: 1/4 minus pea

Bentonite Chips:  Yes 10 to 155 Poured

Type: 3/8 casing seal

Date started: August 4, 2011

Date completed: August 6, 2011

7. Water Level

Static water level: 132.30 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  ARTIS

	G.P.M. 25	Draw Down (Feet Below Static)	Time (Hours)
<u>Air</u>	<u>25</u>	<u>250</u>	<u>0.5</u>

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 Roger N. Johnson

By driller performing and supervising on-site drilling on site or contractor

Date August 14, 2011