

OFFICE USE ONLY  
 Log No. 82460  
 Permit No. 212  
 Basin. 212  
 20862

PRINT OR TYPE ONLY  
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WELL DRILLER'S REPORT

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

NOTICE OF INTENT NO. 20862

1. OWNER REPUBLIC DUMPCO, INC ADDRESS AT WELL LOCATION SUNRISE LANDFILL  
 MAILING ADDRESS 7900 E Vegas Valley  
LAS VEGAS, NV 89122

2. LOCATION SE 1/4 NE 1/4 Sec. 12 T. 21 NSR 62 E CLARK County  
 PERMIT NO. APN 161-12-002 Subdivision Name

3. WORK PERFORMED  
 New Well  Replace  Recondition  
 Deepen  Abandon  Other

4. PROPOSED USE  
 Domestic  Irrigation  Test  
 Municipal/Industrial  Monitor  Stock

5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other Air Core

6. MW 8A LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>fill</u>		<u>0</u>	<u>2</u>	<u>2'</u>
<u>light gray to light brown to yellow limestone; brecciated 16-23' with gypsum matrix</u>		<u>2</u>	<u>80</u>	<u>78'</u>
<u>interbedded red siltstone and light greenish gray to pale yellow limestone</u>		<u>80</u>	<u>100</u>	<u>20'</u>
<u>pale red to red sandstone with minor red interbedded siltstone</u>		<u>100</u>	<u>156</u>	<u>56'</u>
<u>red siltstone and sandstone with interbedded light gray limestone</u>		<u>156</u>	<u>159</u>	<u>3'</u>
<u>red sandstone and siltstone</u>		<u>159</u>	<u>165</u>	<u>6'</u>
<u>red mudstone</u>		<u>165</u>	<u>197</u>	<u>32'</u>
<u>red siltstone</u>		<u>197</u>	<u>214.5</u>	<u>17.5'</u>
<u>red mudstone</u>		<u>214.5</u>	<u>218</u>	<u>3.5'</u>
<u>red siltstone</u>		<u>218</u>	<u>224</u>	<u>6'</u>
<u>red mudstone</u>		<u>224</u>	<u>262</u>	<u>38'</u>
<u>pale red siltstone</u>		<u>262</u>	<u>268</u>	<u>6'</u>
<u>red mudstone</u>		<u>268</u>	<u>279</u>	<u>11'</u>
<u>white to red mottled sandstone and siltstone</u>		<u>279</u>	<u>282.5</u>	<u>3.5'</u>
<u>red mudstone</u>		<u>282.5</u>	<u>283.5</u>	<u>1'</u>
<u>red siltstone, gypsum veinlets, rare calcite, wet clay (395-398)</u>		<u>283.5</u>	<u>398</u>	<u>114.5'</u>

8. WELL CONSTRUCTION  
 Depth Drilled 398 Feet Depth Cased 398 Feet

HOLE DIAMETER (BIT SIZE)  
 From 15 Inches 0 Feet 20 Feet  
8 Inches 20 Feet 398 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4</u>	<u>Sch 80</u>	<u>PVC</u>	<u>+2</u>	<u>383</u>
<u>10"</u>		<u>.250</u>	<u>0</u>	<u>20</u>

Perforations:  
 Type perforation stainless steel wire wrap  
 Size perforation 0.10  
 From 383 feet to 398 feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Neat Cement  
 Cement Grout  
 Concrete Grout  
 Depth of Seal 2-376 bent grout  
 Placement Method:  Pumped  Poured  
376-381 bent pellets  
 Gravel Packed:  Yes  No  
 From 381 feet to 398 feet

9. WATER LEVEL  
 Static water level 387.7 feet below land surface  
 Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
 Water temperature \_\_\_\_\_ °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 LAYNE CHRISTENSEN Co Contractor  
 Address 9001 B PACIFIC AVE Contractor  
ALOMA, WA 98444  
 Nevada contractor's license number issued by the State Contractor's Board 0019101  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller M1628  
 Signed [Signature]  
 By driller performing actual drilling on site or contractor  
 Date 04/03/01

Date started 3-12-01  
 Date completed 3-16-01

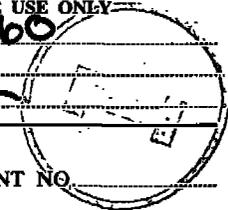
7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  \_\_\_\_\_

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>0.042</u> <u>(2.5 gpm)</u>	<u>8</u>	<u>1</u>



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NOTICE OF INTENT NO. \_\_\_\_\_

1. OWNER \_\_\_\_\_ ADDRESS AT WELL LOCATION \_\_\_\_\_  
 MAILING ADDRESS \_\_\_\_\_  
 2. LOCATION \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 Sec. \_\_\_\_\_ T. \_\_\_\_\_ N/S R \_\_\_\_\_ E \_\_\_\_\_ County \_\_\_\_\_  
 PERMIT NO. \_\_\_\_\_ Issued by Water Resources \_\_\_\_\_ Parcel No. \_\_\_\_\_ Subdivision Name \_\_\_\_\_

3. WORK PERFORMED  
 New Well  Replace  Recondition  
 Deepen  Abandon  Other \_\_\_\_\_  
 4. PROPOSED USE  
 Domestic  Irrigation  Test  
 Municipal/Industrial  Monitor  Stock  
 5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other Air Core

6. MW 8A LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
fill		0	2	2'
light gray to light brown to yellow limestone; brecciated 16-23' with gypsum matrix interbedded red siltstone and light greenish gray to pale yellow limestone		2	80	78'
pale red to red sandstone with minor red interbedded siltstone		80	100	20'
red siltstone and sandstone with interbedded light gray limestone		100	156	56'
red sandstone and siltstone		156	159	3'
red mudstone		159	165	6'
red mudstone		165	197	32'
red siltstone		197	214.5	17.5'
red mudstone		214.5	218	3.5'
red siltstone		218	224	6'
red mudstone		224	262	38'
pale red siltstone		262	268	6'
red mudstone		268	279	11'
white to red mottled sandstone and siltstone		279	282.5	3.5'
red mudstone		282.5	283.5	1'
red siltstone, gypsum veinlets rare calcite, wet clay (395-398)		283.5	398	114.5'

8. WELL CONSTRUCTION  
 Depth Drilled \_\_\_\_\_ Feet Depth Cased \_\_\_\_\_ 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 perforation \_\_\_\_\_  
 Size perforation \_\_\_\_\_  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Neat Cement  
 Cement Grout  
 Concrete Grout  
 Depth of Seal \_\_\_\_\_  
 Placement Method:  Pumped  Poured  
 Gravel Packed:  Yes  No  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

9. WATER LEVEL  
 Static water level \_\_\_\_\_ feet below land surface  
 Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
 Water temperature \_\_\_\_\_ °F Quality \_\_\_\_\_

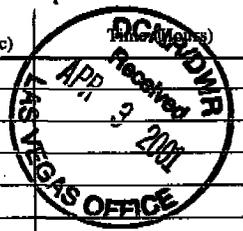
10. DRILLER'S CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.

Date started \_\_\_\_\_, 19\_\_\_\_\_  
 Date completed \_\_\_\_\_, 19\_\_\_\_\_

7. WELL TEST DATA

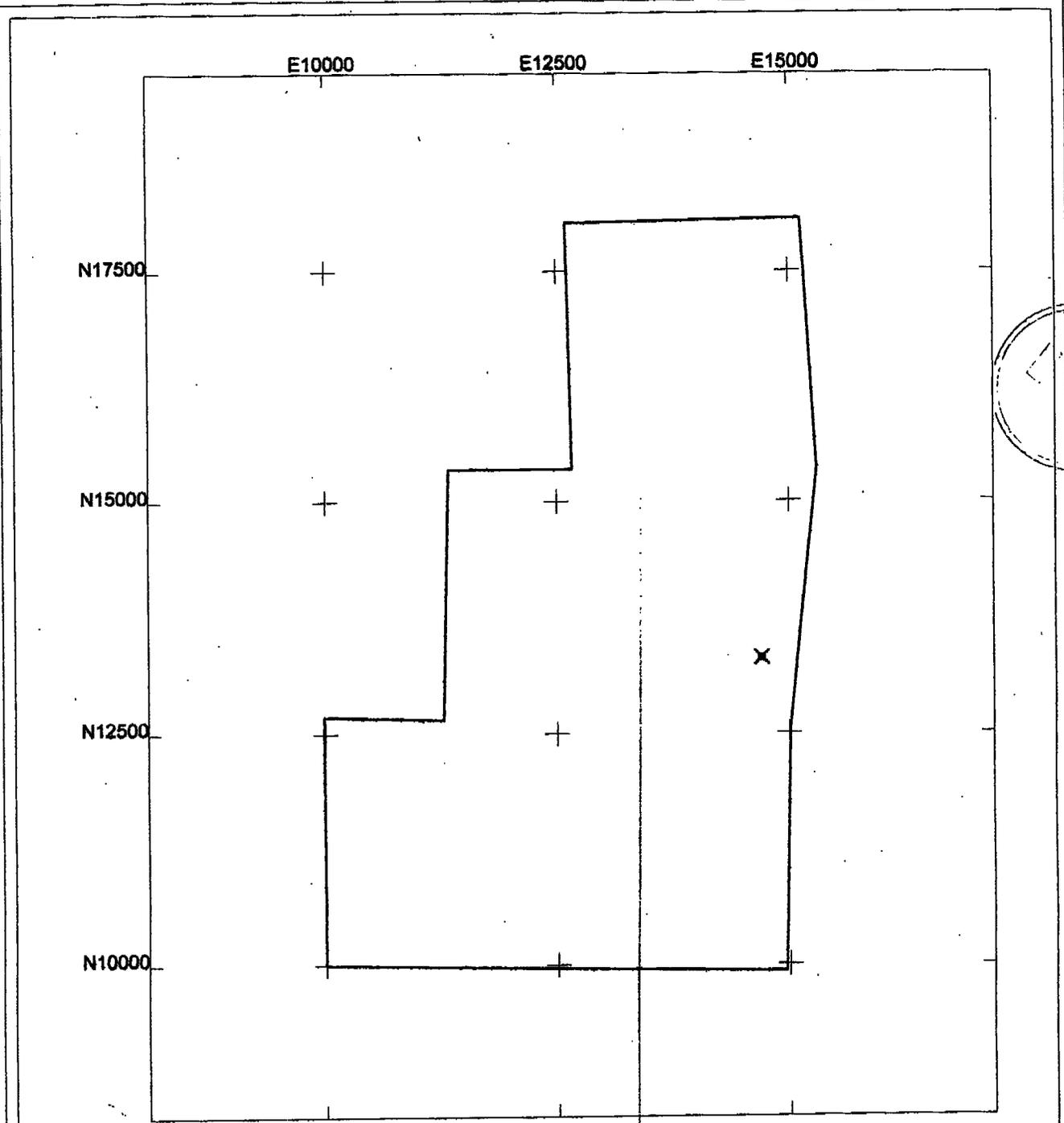
TEST METHOD:  Bailor  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Static)



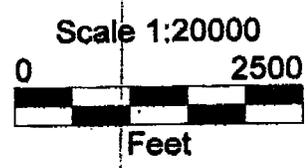
Name \_\_\_\_\_ Contractor \_\_\_\_\_  
 Address \_\_\_\_\_ Contractor \_\_\_\_\_  
 Nevada contractor's license number issued by the State Contractor's Board \_\_\_\_\_  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller \_\_\_\_\_  
 Signed \_\_\_\_\_ By driller performing actual drilling on site or contractor  
 Date \_\_\_\_\_

Log 82460



# MW 8A

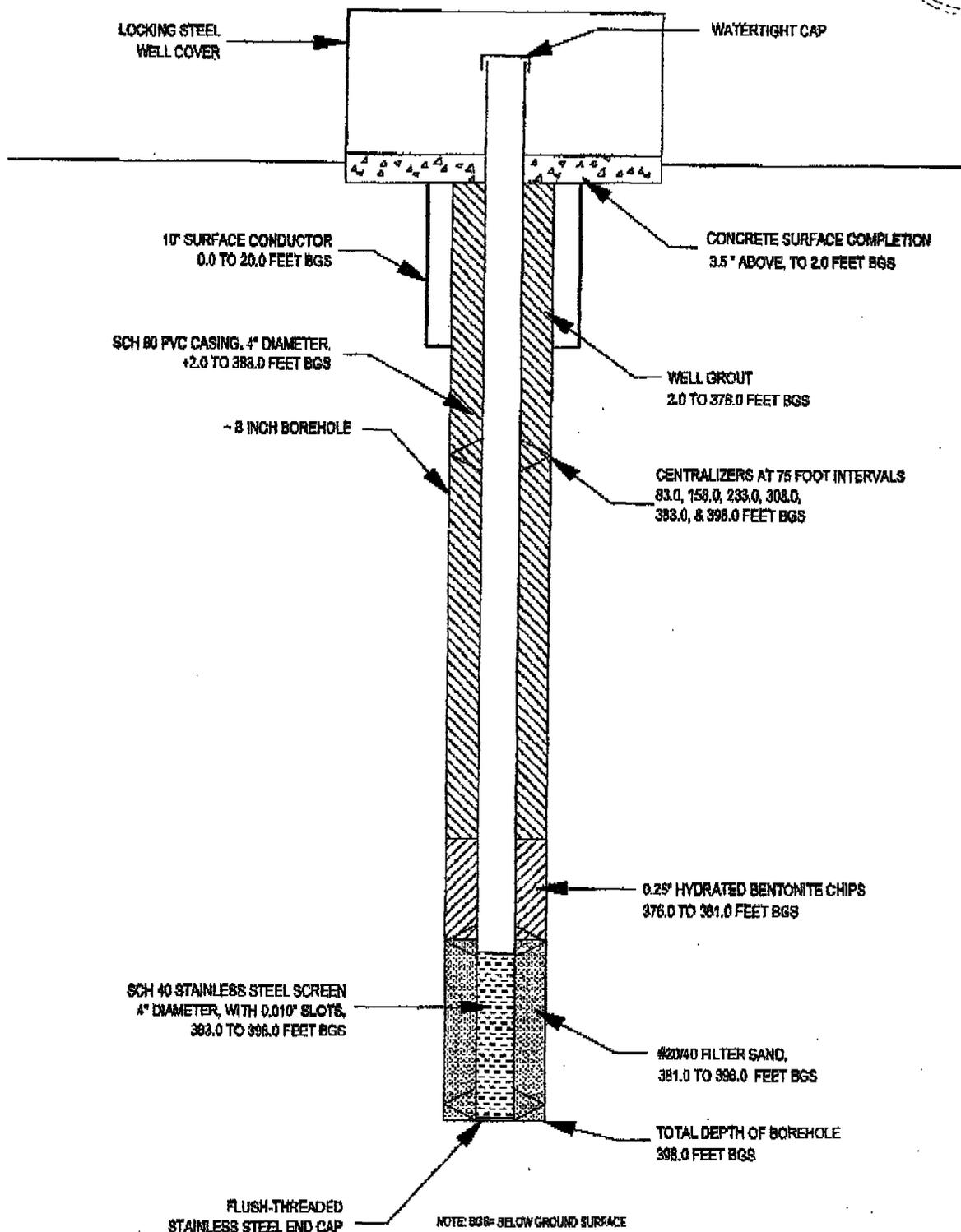
Sunrise1  
US State Plane 1927  
Nevada East 2701  
NADCON (Conus)



combined.ssf  
3/19/2001  
Pathfinder Office  
 Trimble



# MW-8A



NOTE: BGS= BELOW GROUND SURFACE



**GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.**  
 (702) 365-1001  
 7560 W. Sahara Ave., Suite 101  
 Las Vegas, NV 89117

## MW-8A WELL CONSTRUCTION DIAGRAM

JOB NO. 98744D1

FIG. 1