

OFFICE USE ONLY
 Log No. 82458
 Permit No. 212
 Basin 212
 NOTICE OF INTENT NO. 20866

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

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

1. OWNER Republic Dumpco Inc ADDRESS AT WELL LOCATION SUNRISE LANDFILL
 MAILING ADDRESS 7900 E VEGAS VALLEY DR 7900 E VEGAS VALLEY DR
LAS VEGAS NV CLARK County
 2. LOCATION SW 1/4 SW 1/4 Sec. 12 T. 21 N/S R. 62 E
 PERMIT NO. 161-12-002 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 _____

6. MW 4-C LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
PINK clayey SAND w/ GRAVEL		0	2	2
PINK gyp silty SAND w/ GRAVEL		2	18	16
RED YELLOW sandy clay		18	20	2
PINK clayey SAND		20	42	22
WENT RED clay		42	43	1
PALE YELLOW clayey SAND w/ GRAVEL		43	49	6
PINK & green grey clay		49	52	3
PINK silty SAND		52	53 1/2	1 1/2
BROWN sandy lean clay		53 1/2	56	2 1/2
PINK silty SAND		56	57	1
BROWN sandy fat clay		57	64	7
light live brown FAT clay		64	70	6
greenish grey FAT clay		70	115	45
greenish grey silty SAND		115	115 1/2	1/2
greenish grey sandy FAT clay		115 1/2	118	2 1/2
greenish grey clayey SAND		118	121 1/2	3 1/2
white sandy elastic silt		121 1/2	134 1/2	13
Grey FAT clay w/ SAND		134 1/2	135	1/2
White sandy elastic silt		135	145	10
grey to black FAT clay		145	162 1/2	17 1/2
white cemented gypsum w/ clay		162 1/2	168	5 1/2
greenish grey FAT clay		168	177 1/2	9 1/2
White & grey gypsum		177 1/2	193	15 1/2
BROWN gyp FAT clay		193	210 1/2	17 1/2
gypsum		210 1/2	211	1/2
BROWN gyp FAT clay		211	250	39
YELLOW RED gyp. FAT clay		250	255	5
greenish FAT clay w/ gypsum		255	300	45

8. WELL CONSTRUCTION
 Depth Drilled 470 Feet Depth Cased 470 Feet
 HOLE DIAMETER (BIT SIZE)
 From 10 Inches 0 Feet 470 Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ 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>455</u>

Perforations:
 Type perforation stainless steel wire wrap
 Size perforation .210
 From 455 feet to 470 feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Neat Cement
 Cement Grout
 Concrete Grout
 Depth of Seal 448 beet gum
 Placement Method: Pumped Poured 448-453 beet pellets
 Gravel Packed: Yes No
 From 453 feet to 470 feet

9. WATER LEVEL
 Static water level 441.7 feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature _____ °F Quality _____

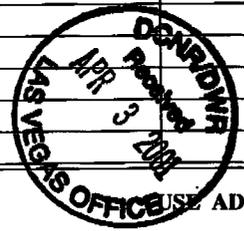
Date started 09/23/01, 19____
 Date completed 03/28/01, 19____

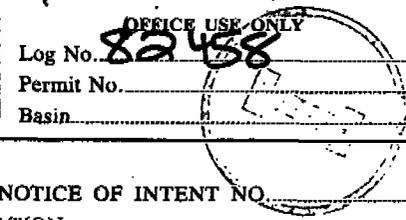
7. WELL TEST DATA

TEST METHOD: Bailor Pump Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>29 gal/hr</u>	<u>0.1</u>	<u>25 hrs.</u>

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 90013 PACIFIC AVE Contractor
TACOMA, 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





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NOTICE OF INTENT NO.

1. OWNER _____ ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS _____

2. LOCATION SW 1/4 SW 1/4 Sec 12 T 21 N/S R 62 E CLARK County

PERMIT NO. 161 12 002 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 _____

6. MW 4C LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
RED BROWN SANDY lean clay		300	303	3
White clayey SAND w/gyp.		303	305	2
REDDISH BROWN SANDY lean clay w/gypsum		305	310	5
grey pink SANDY lean clay		310	313	3
White clayey SAND w/gypsum		313	318	5
Grey sandy lean clay w/gyp		318	322	4
light grey SANDY lean clay w/gypsum		322	349 1/2	27 1/2
White silty SAND w/gyp & clay		349 1/2	380	30 1/2
White to green gypsum		380	391	11
light green CLAYEY SAND w/gyp		391	393	2
Blue grey gyp SF. cherty SAND		393	401	8
light grey SILTY gyp SAND		401	417	16
with grey clay				
Grey silty SAND w/gyp		417	425	8
Yellow red clayey gyp SAND		425	438	13
Brown SANDY lean clay w/gyp		438	440	2
Yellow red sandy lean clay w/gyp		440	460	20
light Brown SANDY silty clay		460	470	10

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
 From _____ feet to _____ feet
 From _____ feet to _____ feet

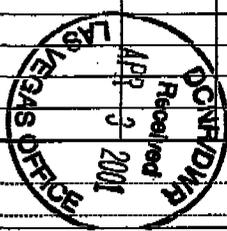
Surface Seal: Yes No Seal Type:
 Neat Cement
 Cement Grout
 Concrete Grout

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

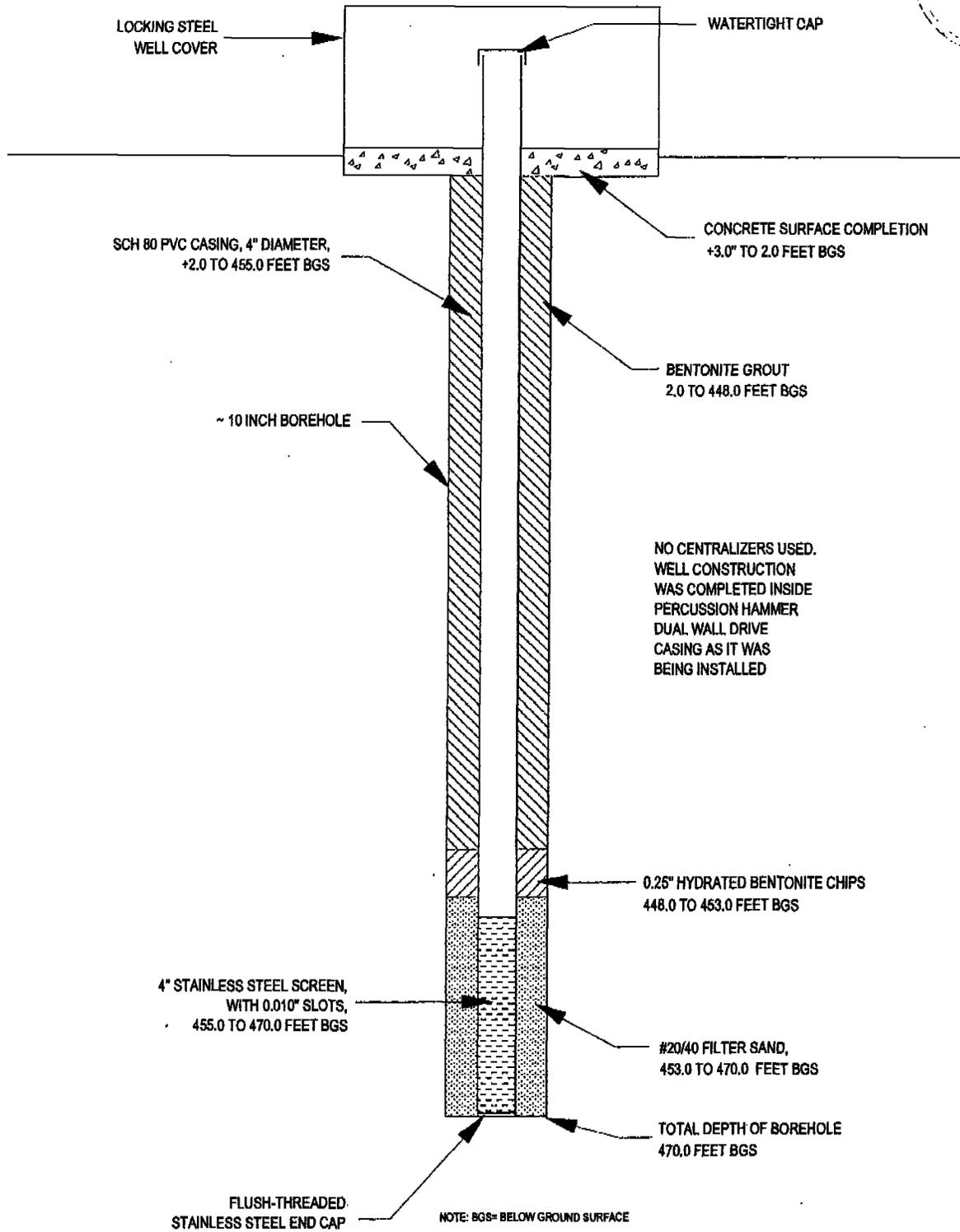
TEST METHOD: Bailer Pump Air Lift

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

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 _____

MW-4C

LOG 82458



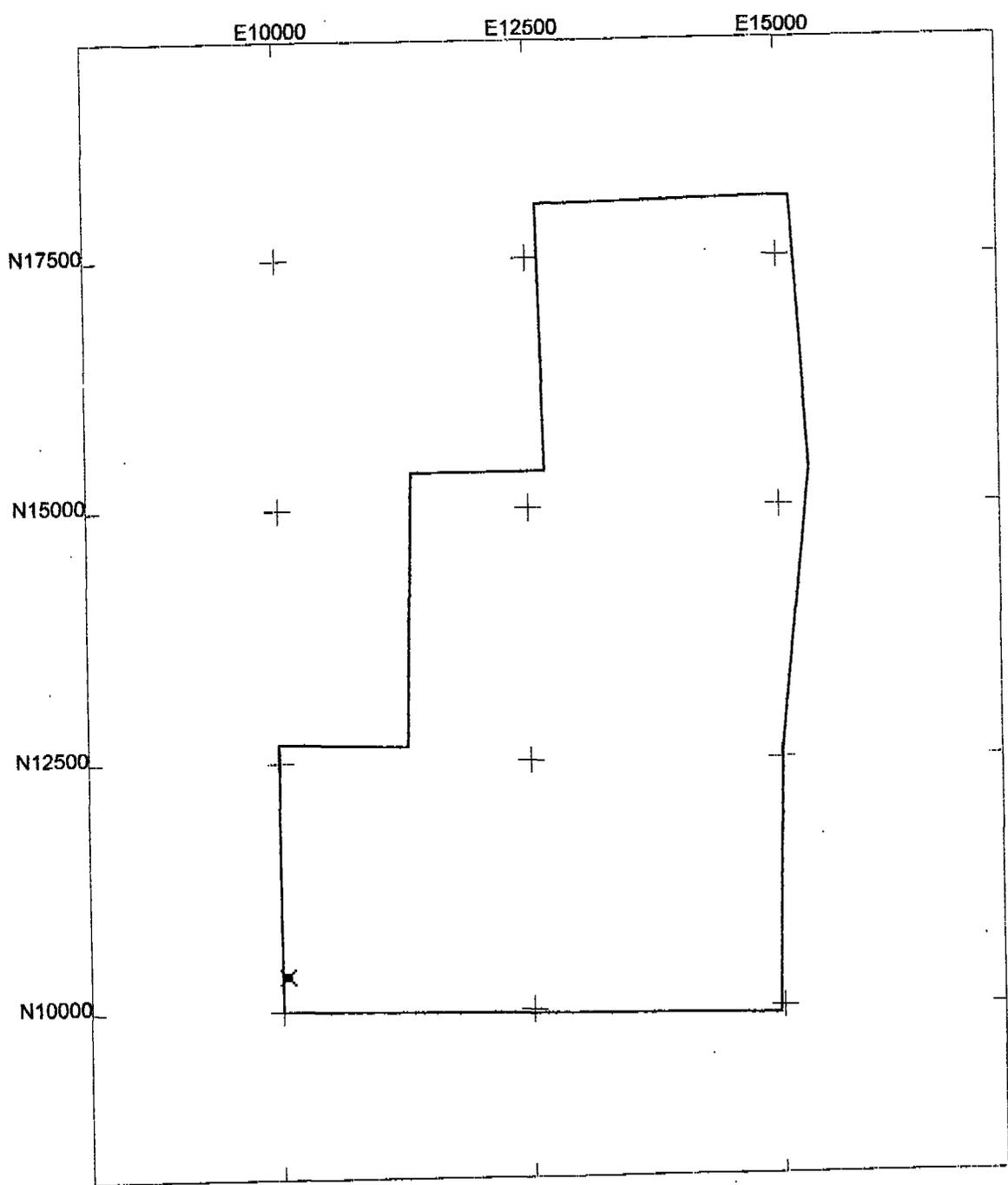
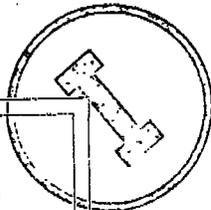
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
(702) 365-1001
7560 W. Sahara Ave., Suite 101
Las Vegas, NV 89117

MW-4C WELL CONSTRUCTION DIAGRAM

JOB NO. 98744D1

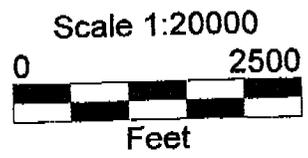
FIG. 1

Log 82458



MW 4C

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



combined.ssf
 3/19/2001
 Pathfinder Office
Trimble