

OFFICE USE ONLY
 Log No. 40066
 Permit No. _____
 Basin 6-91
 NOTICE OF INTENT NO. 1464

WELL DRILLER'S REPORT
 Please complete this form in its entirety

PRINT OR TYPE ONLY

1. OWNER Boomtoun Hotel & Casino ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS P. O. Box 399 350 Garson Rd
Verdi, Nv 89439 Parcel 1 of Map 2038
 2. LOCATION NW 1/4 NW 1/4 Sec. 16 T. 19 N/S R. 1018 E Washoe County _____
 PERMIT NO. M/0322 38-430-28 - Verdi
Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK
 New Well Recondition
 Deepen Other

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal Industrial Stock

5. TYPE WELL
 Cable Rotary
 Other Mud

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Brown clay and gravel		0	18	18
Cobbles & boulders		18	38	20
Bedrock fractured		38	42	4
T.D. 42 ft				

1991 JAN -3 AM 10:09
 STATE ENGINEERS OF NV

8. 10" - 30 ft WELL CONSTRUCTION
 Diameter 7 7/8 inches Total depth 42 feet
 _____ inches
 _____ inches
 Casing record 5 inch
 Weight per foot 9.66 Thickness .188

Diameter	From	To
<u>5</u> inches	<u>+1 1/2</u> feet	<u>42</u> feet
<u>8</u> inches	<u>+2</u> feet	<u>2 ft 6 in</u> feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet
_____ inches	_____ feet	_____ feet

Surface seal: Yes No Type grout
 Depth of seal 12 feet
 Gravel packed: Yes No
 Gravel packed from 12 feet to 42 feet

Perforations:
 Type perforation factory
 Size perforation 3/32 X 3
 From 17 feet to 37 feet
 From _____ feet to _____ feet

Date started 11/26/90, 19_____
 Date completed 11/30/90, 19_____
 7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
Blew with air to clean and develop.			

BAILER TEST

G.P.M. _____ Draw down _____ feet _____ hours
 G.P.M. _____ Draw down _____ feet _____ hours
 G.P.M. _____ Draw down _____ feet _____ hours

9. WATER LEVEL
 Static water level 24 feet below land surface
 Flow 7 G.P.M. Non-Artesian P.S.I.
 Water temperature cool °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 Aqua Drilling & Well Service, Inc
Contractor
 Address 625 Spice Islands Dr Suite L Sparks
Contractor 89431
 Nevada contractor's license number 15291
 issued by the State Contractor's Board.
 Nevada contractor's driller's number 1132
 issued by the Division of Water Resources.
 Nevada driller's license number issued by the 1511
 Division of Water Resources, the on-site driller
 Signed Roger M. Thrall
By driller performing actual drilling on site or contractor
 Date Roger M. Thrall 12/3/90

LOG OF BOREHOLE

Project: Boontown Owner: Boontown Well Number: Boon-1

Location: Verdi, Nevada Project Number: 421110011 Page 1 of 1

Loc. or Coords: NW 1/4 of NW 1/4, Sec.16, T19N, R18E Ground Elev.: Total Depth: 42' Borehole Diam.: 10' to 30' 7 7/8" TD	Driller: Aqua Drilling Leonard Rig: Ing. Rand TH-60 Bit(s): Tricone Fluid: Mud - Bentonite	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Start</td> <td style="width: 50%;">Finish</td> </tr> <tr> <td>Date: 11/27/90</td> <td>11/30/90</td> </tr> <tr> <td>Time: 0945</td> <td>1505</td> </tr> <tr> <td colspan="2">Geophys. Log: No</td> </tr> <tr> <td colspan="2">How left: Cased</td> </tr> <tr> <td colspan="2">Logged by: J.L.H., K.D.</td> </tr> </table>	Start	Finish	Date: 11/27/90	11/30/90	Time: 0945	1505	Geophys. Log: No		How left: Cased		Logged by: J.L.H., K.D.	
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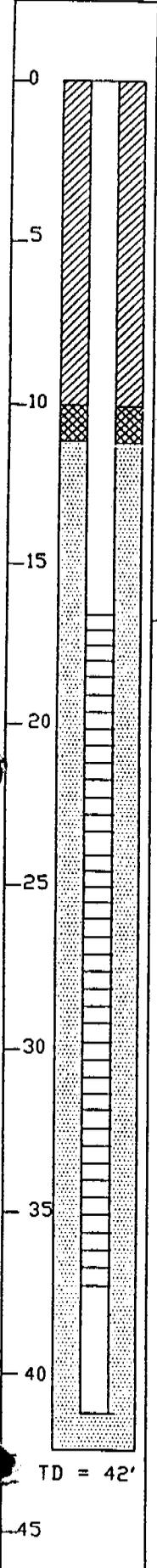
DEPTH	FT/HR PENE. RATE	CIRC.		AIRLIFT Q(gpm)	MATERIAL	SYM- BOL	DESCRIPTION AND COMMENTS
		Ret	Loss				
5						GC	Clay sand + gravel, ~40% silty clay, 60% med-coarse sand. Clasts of black basalt + granite. Pebbles up to 3/4' in size - reddish brown - moderately sorted. Cobble-boulder zone, strong rig chatter. Coarse sand from boulders?? Clasts of granite and black basalt - 50% granite, 50% basalt. Little to no fines. Lost circulation @ 20' - had to mix more, thicker mud. Put 2000 gal. of mud in - still no circulation. had to get more water. Still in boulder zone - no sample - no circ. 25-30' Strong rig chatter - no circulation. Hole sluffing in - makes very slow penetration rate - at water table (?). Add-30' of 8" surface casing + begin drilling 7 7/8" hole. 30-38' Rig chatter and bouncing, no circulation. 38' Drilling slowed down considerably (15'/hr). Not as much chatter, bedrock (?). 40' Rig chatter, back in gravels (?), fracture (?). 40-42' Rig chatter acts like fracture zone (I.E. no bouncing). Formation solid (I.E. no sluffing).
10						GP	
15							
20							
25							
30							
35							
40							
45							

Log# 40066
 Permit# 44595
 Basin# 6-91

WELL CONSTRUCTION SUMMARY MW-4

PROJECT: Boomtown ELEVATION Well Boom-1
 PROJECT NO.: 421110011 GROUND LEVEL: NA
 PERSONNEL: J.L.H., K.D. TOP OF RISER: _____
 LOCATION OR COORDS: Verdi, Co. TOP OF CASING: 2' Above ground

NW 1/4 of NW 1/4 Sec. 16, T19N, R18E, S0. 1/4 COR. SEC. 16 BEARS S16°16'16"E S261.14



DRILLING SUMMARY:
 TOTAL DEPTH 42'
 BOREHOLE DIAMETER 0-30'=10'
 DRILLER Leonard-Aqua Drilling
 RIG IR-TH-60
 BIT(S) Both Tri-cone Rock Bits
 DRILLING FLUID Mud
 SURFACE CASING _____

WELL DESIGN:
 BASIS: GEOLOGIC LOG _____ GEOPHYSICAL LOG _____
 CASING STRING(S): C=CASING S=STRINGS
 C1 42 - 37'
 S1 37' - 17'
 C1 17 - (-3)

CASING: C1 5' O.D. Blank steel casing
 C2 _____
 C3 _____

SCREEN: S1 5' O.D. 3' x 3/32' Perf. slot
 S2 _____
 S3 _____

CENTRALIZERS: None

FILTER MATERIAL: 3/8' Gravel

CEMENT: Grout from Reno-Sparks
Ready Mix

OTHER: 2 1/2' Bentonite seal between
gravel filter & grout

CONSTRUCTION TIME LOG:

TASK	START		FINISH	
	DATE	TIME	DATE	TIME
DRILLING:	1990		1990	
	11/26/90	0945	11/29/90	1630
GEOPHYS. LOGGING	N/A			
CASING:				
	11/30/90	0902	11/30/90	0930
FILTER PLACEMENT:	11/30/90	0931	11/30/90	1030
CEMENTING:	11/30/90	1500	11/30/90	1505
DEVELOPMENT:	11/30/90	1050	11/30/90	1350
OTHER:				

WELL DEVELOPMENT:
Airlifted for 3 hours. Water cleared
cleaned up considerable, but was still
quite muddy.

COMMENTS:
Lost circulation at -20', never got
it back.
Pumped 15,000 gal. of mud into hole
(67 bags of Bentonite)
 ** See field notes