

WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. **51084**
Permit No. **212**
Basin **212**

WELL DRILLER'S REPORT

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. 13676

1. OWNER LAS VEGAS VALLEY WATER DIST. ADDRESS AT WELL LOCATION Rainbow and Gowen Las Vegas, Nevada
MAILING ADDRESS 1001 S. Valley View Blvd. Las Vegas, Nevada 89153
2. LOCATION NW 1/4 NW 1/4 Sec 11 T 20S 4E WS R 60E F CLARK County
PERMIT NO. Of SW-1/1/4 Issued By Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other
4. Domestic Municipal/Industrial Irrigation Test Stock Air Rotary RVC

LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
not logged			0	60
gravelly lean clay, mod. cemented			60	75
gravelly, lean clay, tr. sand, v. stiff			75	78
to poorly cemented			78	79
Lean clay, non-cem. firm to stiff			79	82
silty sand, trace grav. non-cem. dens			82	84
gravelly sand, mod/poor cemented			84	88
sandy lean clay, tr. gravel, stiff			88	90
to poorly cemented			90	94
sandy clay, mod. cem. i.e. caliche			94	95
sandy clay, stiff to mod. cemented			95	100
cementation confining layer			100	106
sandy clay, stiff/mod. cemented first			106	107
water @ 95'			107	117
Silty sand, med. dense			117	118
sandy silt, tr. clay to poorly graded			118	135
sand w/some silt, stiff to dense			135	152
sand lean clay, mod. to strg. cem.			152	160
gravelly sand w/clay, poorly cem.			160	163
lean clay, very stiff			163	164
gravelly sand, mod/strong cemented			164	172
sandy gravel, moderate cemented			172	178
well graded sand/some silt, mod. cem			178	180

8. WELL CONSTRUCTION
Depth Drilled 922 Feet Depth Cased 900 Feet
HOLE DIAMETER (BIT SIZE)
24" Inches From 0 Feet To 50 Feet
11" Inches From 50 Feet To 922 Feet
Inches From Feet Feet
CASING SCHEDULE
Size O.D. (Inches) Weight/Ft. (Pounds) Wall Thickness (Inches) From (Feet) To (Feet)
4-1/2 10.79 .237 +2 900

Perforations:
Type perforation CWW
Size perforation .040
From 90-100 feet to 440-450 feet
From 180-190 feet to 530-540 feet
From 270-280 feet to 660-670 feet
From 340-350 feet to 750-760 feet
From 390-400 feet to 820-830 feet

Surface Seal: Yes No Seal Type: Neat Cement Cement Grout Concrete Grout
Depth of Seal 50 ft.
Placement Method: Pumped Poured

Gravel Packed: Yes No
From +5ft. to -5 ft. mark each screen zone
9. WATER LEVEL
Static water level 60 ft. 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 BEYLIK DRILLING, INC. Contractor
Address 555 S. Harbor Blvd. La Habra, Calif. 90631 Contractor
Nevada contractor's license number 0007055A C53
Nevada driller's license number issued by the State Contractor's Board
Nevada driller's license number issued by the Nevada Contractor's Board 0007055A C53
Division of Water Resources, the on-site driller #1660
Signed T. McDowell for BEYLIK DRILLING
By driller performing actual drilling on site or contractor
Date Nov. 8, 1995

CONTINUED Page Sept. 19, 19 95
Date started Oct. 16, 19 95
Date completed , 19 95

7. WELL TEST DATA
TEST METHOD: Bailor Pump Air Lift
G.P.M. (feet Below Static) Time (Hours)

G.P.M.	Draw Down (feet Below Static)	Time (Hours)
N/A		

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NOTICE OF INTENT NO. 13676

1. OWNER **LAS VEGAS VALLEY WATER DIST**
MAILING ADDRESS **1001 S. Valley View Blvd.
Las Vegas, Nevada 89153**

ADDRESS AT WELL LOCATION
**Rainbow and Gowen
Las Vegas, Nevada**

2. LOCATION **NW 1/4 NW 1/4 Sec. 11 T. 20S**

N/S R. 60E E CLARK County

PERMIT NO. **0fsw4**

Parcel No.

Subdivision Name

3. WORK PERFORMED
 New Well
 Replace
 Abandon
 Deepen
 Recondition
 Other

4. Domestic
 Municipal/Industrial

PROPOSED USE
 Irrigation
 Monitor
 Test
 Stock

5. WELL TYPE
 Cable
 Rotary
 RVC
 Air
 Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
sandy gravel, poor./v. string cem.			180	197
silty sand, poorly cemented			197	199
sandy grav. poor/string.cemented			199	218
sandy grav. poorly cemented			218	220
sandy grav.mod/v.string cemented			220	316
sandy lean clay, very stiff			316	316 1/2
gravelly sand, mod.cemented			316 1/2	321
sandy grav.poor/v.string cement.			321	398
gravelly sand, tr. silt/poor.cement.			398	405
interbedded sandy gravel/cem.fine grained sand, moderately cemented			405	408
sandy gravel, poor.to mod.cemented			408	416
gravelly sand, poor./mod.cemented			416	422
Cobbles and boulders			422	426
sandy gravel, poorly cemented			426	436
gravelly sand, some silt, poor cem.			436	437
Poorly graded fine/grain sand,				
trace gravel, strongly cemented			437	439
sandy gravel, moderate to string cem			439	449
sandy gravel/mod. cemented			449	456
sandy clay, tr.grav., mod/string cem.			456	457
sandy grav.trace silt, mod/string cem			457	474
gravelly sand, from 463 to 464.				
gravelly sand, tr. silt, tr. clay, poorcem.			474	479
lean clay, very stiff			479	480
gravelly sand./sandy gr., poor cem.			480	484
sandy lean clay, mod/string. cemented			484	485
sandy gravel, poorly cemented			485	486 1/2
lean clay, very stiff			486 1/2	491

8. WELL CONSTRUCTION

Depth Drilled **922** Feet Depth Cased **900** Feet

HOLE DIAMETER (BIT SIZE)

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4-1 1/2	10.79	.237		900

CASING SCHEDULE

Perforations: Type perforation **CWW**

Size perforation	From	feet to	feet
90-100	90	440-450	feet
180-190	180	530-540	feet
270-280	270	660-670	feet
340-350	340	750-760	feet
390-400	390	820-830	feet

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

Depth of Seal **50 ft.**

Placement Method: Pumped Poured

Gravel Packed: Yes No

From **+5 ft. to -5 ft. each screen zone**

9. WATER LEVEL

Static water level **60 ft.** 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 **BEYLIK DRILLING, INC.**

Contractor **555 South Harbor Blvd.**

Address **Las Habra, Calif. 90631**

Nevada contractor's license number **0007055A C-53**

issued by the State Contractor's Board.

Nevada driller's license number issued by the **1660**

Division of Water Resources, the on-site driller

Signed **T. Beylik** the **BEYLIK DRILLING**

By driller performing actual drilling on site or contractor

Date **Nov. 8, 1995**

7. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailor	<input type="checkbox"/> Pump	<input type="checkbox"/> Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	

continued on page 3.....

Date started **Sept 19 19 95**

Date completed **Oct. 16 19 95**

WELL DRILLER'S REPORT

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NOTICE OF INTENT NO **13676**

1. OWNER **LAS VEGAS VALLEY WATER DIST**
MAILING ADDRESS **1001 S. Valley View Blvd.**
Las Vegas, Nevada 89153

ADDRESS AT WELL LOCATION
Rainbow and Gowen
Las Vegas, Nevada

2. LOCATION **NW 1/4 NW 1/4 Sec 11 T 20S N/S R 60E E**
PERMIT NO **of SW 4**
Issued by Water Resources Parcel No. Subdivision Name

CLARK County

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other

4. Domestic Municipal/Industrial
 Irrigation Test Stock Air Other

5. WELL TYPE
 Cable Rotary RVC

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
well graded grav, some sand, poor cem.			491	495 1/2
gravelly lean clay, some sand, moderately cemented			495 1/2	497 1/2
red lean clay, some grav, poorly to moderately cemented			497 1/2	507
well graded sandy grav, trace clay			507	510
poorly graded sandy gr., trace clay			510	530
from 523-527, mod. to strong cemented				
well graded gravel, some sand, mod cem			530	543
sandy grav, tr. silt, tr. clay, poor/mod. poorly grad. gr./some sand, mod. to strongly cemented			543	557
			557	586
Boulders w/fat clay, v. stiff to strongly cemented			586	587
Sandy grav. poorly to mod. cement.			587	601
Silty sand, string. v. strong cemented			601	636
Poorly grad. sand, some silt, v. dense to poorly cemented			636	642
well graded sand, tr. silt, v. dense to poorly cemented			642	648
gravelly sand, v. dense to poor cem.			648	651
sandy gravel, poorly cemented			651	699
poor. grad sandy grav/poor/mod. cem			699	704
well grad. sandy grav/poor/mod. cem.			704	724
poorly grad sandy gr.			724	729
well graded " "			729	739
silty sand, moderately cemented			739	780
poorly graded sand some silt, poorly to moderately cemented			780	783

8. WELL CONSTRUCTION

Depth Drilled **922** Feet Depth Cased **900** Feet

HOLE DIAMETER (BIT SIZE)

From	To
24" Inches	0 Feet
11" Inches	50 Feet
	922 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4-1/2	10.79	.237	+2	900

Perforations:
Type perforation **CW**

Size perforation **.040**

From **90-100** feet to **430-450** feet
From **180-190** feet to **530-540** feet
From **270-280** feet to **660-670** feet
From **340-350** feet to **750-760** feet
From **390-400** feet to **820-830** feet

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

Depth of Seal **50 ft.**

Placement Method: Pumped Poured

Gravel Packed: Yes No

From **+5 ft. to -5 feet** **xx** reach screen zone.

9. WATER LEVEL

Static water level **60 ft.** 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 **BEYLIK DRILLING, INC.**

Address **555 S. Harbor Blvd.**

Contractor **La Habra, Calif. 90631**

Contractor's license number **007055A**

Nevada contractor's license number **C53**

Nevada driller's license number issued by the State Contractor's Board **1660**

Nevada driller's license number issued by the Division of Water Resources, the on-site driller **7. Adakull for BEYLIK DRILLING**

Signed **7. Adakull for BEYLIK DRILLING**

By driller performing actual drilling on site or contractor **NOV. 8, 1995**

Date

7. WELL TEST DATA

TEST METHOD: Bailor Pump Air Lift

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

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1. OWNER **LAS VEGAS VALLEY WATER DIST**
 MAILING ADDRESS **1001 S. Valley View Blvd.
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ADDRESS AT WELL LOCATION
**Rainbow and Gowen
 Las Vegas, Nevada**

CLARK County

2. LOCATION **NW 1/4 NW 1/4 Sec. 11 T. 20S N/S R. 60E E**
 PERMIT NO. **of SW 4**
 Issued by Water Resources

Parcel No. _____
 Subdivision Name _____

3. WORK PERFORMED
 New Well
 Replace
 Deepen
 Abandon
 Recondition
 Other

4. Domestic
 Municipal/Industrial

PROPOSED USE
 Irrigation
 Monitor
 Test
 Stock

5. WELL TYPE
 Cable
 Rotary
 RVC
 Air
 Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
gravelly sand, mod. cemented				783
poorly graded sand, some silt,				790
poorly to mod. cement				792
gravelly sand, trace silt, moder.				792
to strongly cemented				841
silty sand, lens encountered at 801-802 ft.				841
silty sand, trace gravel, strong cem.				845
poorly graded sand, some gray, trace				845
silty, moderate strongly cemented				873
well graded gravelly sand w/some				
gravel, trace silt, moderate to strong				
cementation				873
well graded gravelly sand, mod. to				889
strong cementation				895
well graded gravelly sand, mod.				895
to stringly cemented				903
gravelly sand, trace silt, mod.				903
to strongly cemented				921
total depth of borehole				

8. WELL CONSTRUCTION

Depth Drilled **922** Feet Depth Cased **900** Feet

HOLE DIAMETER (BIT SIZE)

From	To
0	50
50	922

24" Inches
 11" Inches

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4-1/2	10.79	.237	+2	900

Perforations:
 Type perforation..... **CWW**

Size perforation **.040**

From	feet to	440-450	feet
90-100	feet to	530-540	feet
180-190	feet to	660-670	feet
270-280	feet to	750-760	feet
340-350	feet to	820-830	feet

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

Depth of Seal **50 ft.**

Placement Method: Pumped Concrete Grout

Gravel Packed: Yes No

From **+5 ft. to -5 feet** each screen zone.

9. WATER LEVEL

Static water level **60 ft.** feet below land surface

Artesian flow _____ G.P.M. **P. 5.1.**

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 **BEYLIK DRILLING, INC.**
 Contractor

Address **555 South Harbor Blvd.**
La Habra, Calif. 90631
 Nevada contractor's license number **0007055A** C-53
 issued by the State Contractor's Board

Nevada driller's license number issued by the Division of Water Resources, the on-site driller **1660**

Signed **T. DeBull** For **BEYLIK DRILLING**
 By driller performing actual drilling on site or contractor
 Date **NOV. 8, 1995**

7. WELL TEST DATA

Date started **Sept 19, 19 95**

Date completed **Oct. 16, 19 95**

TEST METHOD: Bailor Pump Air Lift

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