Garden Valley Well #3

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

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

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

OFFICE USE ONLY
Log No. 85894
Permit No. 68161T
Basin 216

NOTICE OF INTENT NO. 21092

1. OWNER Las Vegas Valley Water District
MAILING ADDRESS P.O. Box 34089
Las Vegas, NV 89133

ADDRESS AT WELL LOCATION I-15 & Hwy 93
Apex Industrial Complex

2. LOCATION NE ¼ NE ¼ Sec. 5 T 18 S R 63 E Clark County

PERMIT NO. 68161-T (Issued by Water Resources) | N/A (Parcel No.) | N/A (Subdivision Name)

-Swallian- 4/28/09 see GPS in file 68822

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. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Gravel, Limestone, Sand		0	100	100
Limestone, Silty Sand		100	160	60
Gravel, Limestone, Silty Sand		160	270	110
Limestone, Silty Sand		270	300	30
Gravel, Silty Sand		300	320	20
Fine Grain Gravel, Sand		320	330	10
Gravel, Limestone, silty Sand		330	410	80
Limestone, Silty Sand		410	480	70
Silty Clay & Gravel		480	530	50
Silty Clay & Limestone		530	540	10
Limestone & Silty Sand		540	580	40
Silty Clay		580	610	30
Limestone Bedrock		610	620	10
Brown Limestone		620	770	150
Gray Limestone		770	810	40
Limestone, Clay Stringer		810	890	80
Fractured Limestone		890	970	80
Dolomitized Limestone		970	1200	230
Fractured limestone calcite veins		1200	1250	50
Black Limestone		1250	1355	105
Fractured black limestone		1355	1600	245
Brown Limestone calcite veins		1600	1620	20
Dark Brown Limestone		1620	1670	50
Brown Limestone calcite veins		1670	1745	75
Black Limestone		1745	1805	60
Gray Limestone calcite veins		1805	1885	80
Black Limestone calcite veins		1885	1935	50
Black Limestone		1935	2007	72

Date started December 5, ~~19~~ 2001
Date completed March 1, ~~19~~ 2002

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
Pumped	1000	138.64	72

8. WELL CONSTRUCTION
Depth Drilled 2007 Feet Depth Cased 1992 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
48 Inches		0 Feet	77 Feet
31 Inches		77 Feet	635 Feet
19 Inches		635 Feet	2007 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
36		.375	0	77
26		.375	0	635
12		.375	+2	1197

Perforations:
Type perforation Louvered Screen
Size perforation .100 inch slot
From 1197 feet to 1257 feet
From 1337 feet to 1397 feet
From 1437 feet to 1638 feet
From 1678 feet to 1738 feet
From 1798 feet to 1879 feet
From 1939 feet to 1979 feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 300
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☐ Neat Cement ☒ Cement Grout ☐ Concrete Grout

Gravel Packed: ☒ Yes ☐ No
From 300 feet to 1979 feet

9. WATER LEVEL
Static water level 754.95 feet below land surface
Artesian flow N/A G.P.M. N/A P.S.I.
Water temperature 80.4 °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 Lang Exploratory Drilling (Contractor)
Address 2745 W. California Ave. (Contractor)
Salt Lake City, UT 84104

Nevada contractor's license number issued by the State Contractor's Board 0021976

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1826

Signed Russell Carlen (By driller performing actual drilling on site or contractor)
Date MARCH 8, 2002

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (O)-627