

STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 96081
Permit No. _____
Basin 021

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

NOTICE OF INTENT NO. 53040

1. OWNER SEMPRA ENERGY RESOURCES
MAILING ADDRESS 101 ASH STREET
SAN DIEGO, CA

ADDRESS AT WELL LOCATION
Buffalo Creek (BUF2)

2. LOCATION SE 1/4 NE 1/4 Sec. 29 T 32N N/S R 20 E Washoe County
PERMIT NO. MO-1328 WL 040155 071-140-04
Issued By Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED
 New Well Replace Recondition Domestic
 Deepen Abandon Other Municipal/Industrial

4. PROPOSED USE
 Irrigation Test Cable Rotary RVC
 Monitor Shock Air Other

6. LITHOLOGIC LOG

Material	Water Stage	From	To	Thickness
Surface Clay		0	30	30
Clay and fine gravel		30	40	10
Sand and clay		40	60	20
Fine sand and gravel		60	155	95
Tan clay		155	160	5
Fine sand		160	182	22
Green clay		182	200	18
Gray claystone		200	220	20
Tan clay		220	250	30
Brown volcanic		250	298	48
Hard Clay		298	330	32
Brown volcanic		330	366	36
Basalt		366	398	32

Date Started July 20 2004
Date Completed July 25 2004

7. WELL TEST DATA

TEST METHOD: BAILER PUMP AIR LIFT

	G.P.M.	Draw Down (Feet Below)	Time (Hours)
<u>7/25/2004</u>	<u>15</u>		<u>3 Hrs</u>

8. WELL CONSTRUCTION

Depth Drill 378 Feet Depth Cased 280/150 Feet
HOLE DIAMETER (BIT SIZE)
From To
8 Inches 0 Feet 140 Feet
7 Inches 140 Feet 260 Feet
6 Inches 260 Feet 378 Feet

CASING SCHEDULE

Size O.D. (inches)	Weight (pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
#1-2		Sch 40	+2	150
#2-2		Sch 40	+2	90

Perforations:
Type Perforation Saw Cut
Size Perforation
From #1 250 feet to 280 feet
From #2 90 feet to 150 feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 80' Cement Grout Concrete Grout
Placement Method: Pumped Poured
Gravel Packed: Yes No
From _____ feet to _____ feet
From _____ feet to _____ feet

9. WATER LEVEL
Static Water Level 4 5 feet below land surface
Artesian flow _____ G.P.M. _____ P.S.I.
Water temperature cool ° F Quality Good

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Hydro Resources Nevada Inc. dba Humboldt Drilling and Pump Co.
Address 4975 West Winnemucca Boulevard
Winnemucca, Nevada 89445
Nevada Contractor's license number issued by the State Contractor's Board 56797
Nevada Driller's license number issued by the Division of Water Resources, the on-site driller 1713
Signed Mary Tompkins Date 12/1/04