

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

OFFICE USE ONLY
Log No. 95525
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. 53039

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

ADDRESS AT WELL LOCATION
Buffalo Creek (BUF1)

2. LOCATION SE 1/4 SE 1/4 Sec. 32 T 32N N/S R 20 E Washoe County
PERMIT NO. MO-1328 WL 040248 071-147-18
Issued By Water Resources Parcel No. _____ Subdivision Name _____

3. WORK PERFORMED
 New Well Replace Recondition Deepen
 Abandon Other

4. PROPOSED USE
 Domestic Irrigation Test Monitor
 Municipal/Industrial Shock

5. WELL TYPE
 Cable Rotary RVC
 Air Other

6. LITHOLOGIC LOG

Material	Water Grade	From	To	Thickness
Sand and gravel		0	30	30
Clay-Black		30	60	30
Sand and Gravel		60	90	30
Green clay		90	100	10
Sand and gravel		100	160	60
Sand and clay		160	280	120
Gray clay		280	290	10
Black Basalt		290	380	90
Tan and red soft clay		380	400	20
Red and tan clay		400	440	40
Gray clay		440	460	20
Gray Basalt		460	500	40
Green claystone		500	600	100
Gray clay		600	620	20
Gray Basalt		620	820	200
Bentonite Seal from 100 to 230 feet				
Bentonite Seal from 280 to 820 feet				

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8. WELL CONSTRUCTION

Depth Drill 820 Feet Depth Cased 270 Feet

HOLE DIAMETER (BIT SIZE)

	From	To		
<u>14</u> Inches	<u>0</u>	<u>100</u>	Feet	Feet
<u>5 1/2</u> Inches	<u>100</u>	<u>820</u>	Feet	Feet
_____ Inches	_____	_____	Feet	Feet

CASING SCHEDULE

Size O.D. (inches)	Weight (pounds)	Wall Thickness (inches)	From (Feet)	To (Feet)
<u>8</u>		<u>0.188</u>	<u>+1</u>	<u>100</u>
<u>2</u>		<u>Sch 40</u>	<u>+3</u>	<u>240</u>

Perforations:
Type Perforation Mill Slot
Size Perforation 0.020
From 240 feet to 270 feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: Neat Cement Cement Grout Concrete Grout
Depth of Seal 100'
Placement Method: Pumped Poured
Gravel Packed: Yes No
From 240 feet to 270 feet
From _____ feet to _____ feet

9. WATER LEVEL

Static Water Level 20 feet below land surface
Artesian flow _____ G.P.M. _____ P.S.I.
Water temperature 70 ° Quality fair

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 2099
Signed: Barry D. Tompkins Date: 12/1/04
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Date Started October 6 2004
Date Completed October 12 2004

7. WELL TEST DATA

TEST METHOD: BAILER PUMP AIR LIFT

	G.P.M.	Draw Down (Feet Below)	Time (Hours)
<u>NA</u>			