

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. 50726
 Permit No. 087
 Basin 087

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

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

NOTICE OF INTENT NO. 29022

1. OWNER Sierra Pacific Power Co
 MAILING ADDRESS P.O. Box 10100
Reno, NV 89520

ADDRESS AT WELL LOCATION NW corner Shaber Ave & 15th St. Sparks

2. LOCATION SE 1/4 NW 1/4 Sec 8 T 19N N/S R 20 E Washoe County

PERMIT NO. 4866 & 2266 032-275-13
 Issued by Water Resources Parcel No. Subdivision Name

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 MJD

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Multi colored gravel		0	6	6
Boulders		6	22	16
Gravel seam		22	24	2
Boulders		24	68	44
Soft gravel & sand		68	75	7
Boulder		75	77	2
Blue/Green clay		77	79	2
Gravels		79	111	32
Clay		111	113	2
Gravel & Sand		113	139	26
Clay		139	145	6
Sand & Gravel		145	156	11
Clay		156	163	7
Sand & gravel		163	171	8
Clay		171	173	2
Sand & gravel w/bldrs		173	203	30
Sand & gravel w/ clay		203	208	5
Sand & gravel		208	238	30
Clay & Bldrs		238	258	20
Sand & gravel w/ clay		258	273	15
Gravel, clay, sand		273	293	20
Clay		293	306	13
Clay & sand		306	313	7
Sand & gravel		313	325	12
Clay, sand, gravel		325	350	25
Clay		350	353	3
Sand, gravel w/clay		353	367	14
Mostly clay		367	383	16

8. WELL CONSTRUCTION
 Depth Drilled 650 Feet Depth Cased 650 Feet

HOLE DIAMETER (BIT SIZE)
 From 12 1/4 Inches To 0 Feet 650 Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6"		Sch 80 PVC	0	650

Perforations: Factory screen
 Type perforation _____
 Size perforation .030
 From 460 feet to 645 feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Depth of Seal 250-top Neat Cement
 Cement Grout
 Placement Method: Pumped Concrete Grout
 Poured Ben Seal 250-350

Gravel Packed: Yes No
 From 350 feet to 650 feet

9. WATER LEVEL
 Static water level 43 feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature C.O.L.D. °F Quality not tested

continued on next page

Date started 11-3, 1995
 Date completed 11-17, 1995

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>300+</u>		<u>6 hours</u>

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name MacKay Pump & Geothermal, Inc. Contractor
 Address 1600 Mt. Rose Hwy
Reno, NV 89511 Contractor
 Nevada contractor's license number 23096
 issued by the State Contractor's Board
 Nevada driller's license number issued by the 1719
 Division of Water Resources, the on-site driller
 Signed R. Mrs. McKay
 By driller performing actual drilling on site or contractor
 Date 11-28-95

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. 20755
 Permit No. 087
 Basin _____

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WELL DRILLER'S REPORT
 Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 29022

1. OWNER Sierra Pacific Power Co. ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS _____

2. LOCATION SE 1/4 NW 1/4 Sec 8 T 19N N/S R 29 E Washoe County _____
 PERMIT NO. 032-275-13 Issued by Water Resources Parcel No. _____ Subdivision Name _____

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	Thick-ness
Sand, gravel w/ clay		383	402	19
Mostly clay		402	406	4
Sandy & gravel, w/ clay		406	410	4
Mostly clay		410	412	2
Sandy clay		412	430	18
Rocky gravel w clay		430	448	18
Mostly clay		448	471	23
Mostly sand w/ clay		471	473	2
Mostly clay		473	480	7
Mostly sand w/ clay seams		480	543	63
Mostly clay		543	548	5
Sand w/ clay streaks		548	650	102
Core samples taken:				
1. 157-163	5. 483-488			
2. 216-219	6. 553-558			
3. 320-325	7. 593-598			
4. 404-409	8. 635-640			

8. WELL CONSTRUCTION
 Depth Drilled _____ Feet Depth Cased _____ Feet

HOLE DIAMETER (BIT SIZE)
 From _____ To _____
 Inches _____ Feet _____ Feet
 Inches _____ Feet _____ Feet
 Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
 Type perforation _____
 Size perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

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

Depth of Seal _____
 Placement Method: Pumped Poured
 Poured

Gravel Packed: Yes No
 From _____ feet to _____ feet

9. WATER LEVEL
 Static water level 43' xx feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature _____ °F Quality _____

Date started 11-3 1995
 Date completed 11-17 1995

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

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

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name MacKay Pump & Geothermal, Inc. Contractor
 Address _____ Contractor
 Nevada contractor's license number issued by the State Contractor's Board _____
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller _____
 Signed R. Bruce Mackay
 By driller performing actual drilling on site or contractor
 Date 11-24-95