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

OFFICE USE ONLY
Log No. 113985
Permit No. 80550
Basin 036

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. 66656

1. OWNER ORMAT NEVADA INC.
MAILING ADDRESS 6225 Neil Rd.
Reno, NV 89511

ADDRESS AT WELL LOCATION The Spanish Ranch
Subdivision Name: County: Elko

2. LOCATION SE ¼ SE ¼ Sec 17 T 41N N/S R 52 E
PERMIT/WAIVER No. 80550 (Issued by Water Resources) Parcel No.

Latitude 41* 26.684 N
Longitude 116* 08.946 W
UTM E N
☐ NAD 27 ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ 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
COBBLES AND CLAY		0'	75'	75'
CLAY		75'	150'	75'
GRAVEL AND CLAY		150'	280'	130'
COBBLES AND CLAY		280'	300'	20'
CONSOLIDATED GRAVELS		300'	580'	280'
WHITE CLAY (VOLCANIC ASH)		580'	660'	80'
GREEN CLAY		660'	680'	20'
DARK BROWN CLAY		680'	830'	150'
GREEN CLAY		830'	900'	70'
CLAY WITH SMALL GRAVEL		900'	1010'	110'
THE BOTTOM OF THIS HOLE WAS ABANDONED. NEAT CEMENT WAS PUMPED FROM 640' to 1010'.				
THERE IS A 2" SCH 40 SOUNDING PIPE THAT IS ATTACHED WITH A SHOE ON THE 16" CASING +1' to 485'.				

Date started: 17-Mar, 20 11
Date completed: 5-May, 20 11

9. WELL CONSTRUCTION
Depth Drilled 1010' Feet Depth Cased 620 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
42"	Inches	0'	Feet	45'	Feet
35"	Inches	45'	Feet	100'	Feet
24"	Inches	100'	Feet	640'	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
36"		.375"	0'	45'
30"		.375"	0'	100'
16"		375"	+2'	620'

Perforations:
Type of perforation STAINLESS STEEL WIRE WRAP
Size of perforation 0.050"
From 190' feet to 210' feet
From 260' feet to 380' feet
From 400' feet to 460' feet
From 485' feet to 550' feet
From 590' feet to 610' feet

Annular Seal: ☒ Yes ☐ No
☐ Neat Cement 0' to 45' ☒ Pumped ☐ Poured
☒ Cement Grout 0' to 100' ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 0' to 640' ☐ Pumped ☒ Poured
Type: BCJ 8 X 16
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 72.6' feet below land surface
Artesian Flow: NO G.P.M. 0 P.S.I.
Water Temperature: 67* °F
Quality:

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☒ Pump ☐ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
CONSTANT	800	267.4'	48

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-West, Inc. (Contractor)
Address 4975 W. Winnemucca Blvd. (Contractor)
Winnemucca NV, 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 (By driller performing actual drilling on site or contractor)
Date 6/8/2011

(Rev 05-09)

USE ADDITIONAL SHEETS IF NECESSARY 41.444828°N 116.148177°W NAD27 TG