ORIGINAL

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

OFFICE USE ONLY
Log No. 115042
Permit No. 81564T
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. 67089

1. OWNER: ORMAT NEVADA INC.
MAILING ADDRESS: 6225 NEIL ROAD, RENO, NV 89511

ADDRESS AT WELL LOCATION: SPANISH RANCH, WEST WELL MUW - 3
Subdivision Name: County: Elko

2. LOCATION NE ¼ NW ¼ Sec 20 T 41N N/S R 52 E
PERMIT/WAIVER No. 81564T (Issued by Water Resources) Parcel No.

Latitude 41* 26.430 N
Longitude 116* 09.318 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
SURFACE CLAY		0'	2'	2'
COBBLES AND GRAVEL		2'	73'	71'
SILTY CLAY WITH GRAVEL		73'	490'	417'
WHITE CLAY		490'	580'	90'
DARK BROWN CLAY		580'	610'	30'
THE BOTTOM OF THIS HOLE WAS ABANDONED TO STATE REGS.				

Date started: 17-Feb, 20 12
Date completed: 22-Feb, 20 12

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9. WELL CONSTRUCTION
Depth Drilled 610' Feet Depth Cased 525' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12 1/4"	Inches	0'	Feet	530'	Feet
7 7/8"	Inches	530'	Feet	610'	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8 5/8"		.188"	+3'	525'

Perforations:
Type of perforation: MILL SLOT
Size of perforation: 0.090"
From 105' feet to 185' feet
From 225' feet to 285' feet
From 385' feet to 525' feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0' to 100' ☒ Pumped ☐ Poured
☐ Cement Grout 530' to 610' ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 100' to 530' ☐ Pumped ☒ Poured
Type: BCJ 3/8" MINUS
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 120' feet below land surface
Artesian Flow: NO G.P.M. 0 P.S.I.
Water Temperature: COOL °F
Quality:

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
CONSTANT	200	257'	4 HOURS

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: Michelle Strother (By driller performing actual drilling on site or contractor)
Date: 4/17/2012

(Rev. 05-06) USE ADDITIONAL SHEETS IF NECESSARY

41.440594 °N NAD27
116.154377 °W

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