ORIGINAL

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

OFFICE USE ONLY
Log No. 115180
Permit No. 81565T
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. 67090

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

ADDRESS AT WELL LOCATION SPANISH RANCH
EAST WELL MUW - 4
Subdivision Name: County: Elko

2. LOCATION SW ¼ NE ¼ Sec 20 T 41N N/S R 52 E
PERMIT/WAIVER No. 81565T (Issued by Water Resources) Parcel No.

Latitude 41* 26.289 N
Longitude 116* 9.001 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'	110'	110'
GRAVEL AND CLAY MIXED		110'	310'	200'
CONSOLIDATED GRAVELS		310'	470'	160'
CLAY AND GRAVEL		470'	500'	30'
CLAY		500'	530'	30'
GRAVEL AND CLAY MIXED		530'	545'	15'
CLAY		545'	630'	85'
THE BOTTOM OF THIS HOLE WAS ABANDONED TO STATE REGS.				

Date started: 25-Feb , 20 12
Date completed: 4-Mar , 20 12

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9. WELL CONSTRUCTION
Depth Drilled 630' Feet Depth Cased 550' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
12 1/4"	Inches	0'	Feet	560'	Feet
7 7/8"	Inches	560'	Feet	630'	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'	550'

Perforations:
Type of perforation MILL SLOT
Size of perforation 0.090"
From 110' feet to 257' feet
From 310' feet to 410' feet
From 420' feet to 540' feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0' to 100' ☒ Pumped ☐ Poured
☐ Cement Grout 560' to 630' ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 100' to 560' ☐ Pumped ☐ Poured
Type: BCJ 3/8" MINUS
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 98.5' 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	301.5'	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

41.438244°N
116.149093°W NAD27

COPY IN PER FILE