ORIGINAL

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

OFFICE USE ONLY
Log No. 118905
Permit No. 83208T
Basin No. 044

PRINT OR TYPE IN BLACK INK 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. 70177
WELL NAME (If applicable):

1. OWNER/CLIENT NAME Ellison Ranching Company
MAILING ADDRESS HC 32 Box 240 Tuscarora, NV 89834

DETAILED ADDRESS AT WELL LOCATION PX Ranch
Subdivision Name: County: Elko

2. PLS LOCATION SW ¼ NE ¼ 22 Sec 42 N/S 54 E
PERMIT/WAIVER NO. 83208-T (Issued by Water Resources) Current Parcel No

Latitude 41* 31.338 N UTM E
Longitude 115* 52.652 W UTM N
☐ NAD 27 ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☒ Irrigation ☐ Monitor
☐ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☐ Rotary ☒ RVC
☐ Air ☐ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
Top Soil			0'	2'	2'
Clay with Sand & Gravel			2'	28'	26'
Clay			28'	34'	6'
Clay and Cobbles			34'	66'	32'
Clay with Sand & Gravel			66'	141'	75'
Clay			141'	161'	20'
Sand, Gravel & Clay			161'	291'	130'
Sand and Gravel			291'	363'	72'
Sand, Gravel & Clay			363'	734'	371'
Cobbles, Sand, Gravel and Clay			734'	850'	116'

There is a steel 3" gravel feed pipe from +2'-115'.

NAD27
41.5223920N
115.8766170W

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Date started: 18-Dec, 20 13
Date completed: 23-Dec, 20 13

7. WATER QUALITIES
Static water level: 85.15' Feet below land surface
Artesian Flow: No G.P.M. 0 P.S.I.
Water Temperature: Cool ° Fahrenheit
Water Quality: N/A

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

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
Constant	540	292.95'	7 Hours

9. WELL CONSTRUCTION
Depth Drilled: 850' Feet Depth Cased: 840' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
36"	Inches	0'	Feet	30'	Feet
24"	Inches	30'	Feet	850'	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
30"		.250"	0'	30'
16"		.250"	+2'	160'
16"		.312"	160'	840'

PERFORATIONS:
Type of perforation: Mill Slot Double Row
Size of perforation: 0.080"
From 160' Feet To 840' Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0'	to 30'		
☐ Neat Cement	0'	to 100'	☒ Pumped	☐ Poured
☒ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☐ Bentonite Chips		to	☐ Pumped	☐ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☒ Gravel Pack [> 0.2 in.]	100'	to 850'	☐ Pumped	☒ Poured
☐ Sand Pack [< 0.2 in.]		to	☐ Pumped	☐ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Hydro Resources-West, Inc. (Contractor)
Address 4975 W. Winnemucca Blvd. Winnemucca, NV 89445 (Contractor)
Nevada contractor's license number as issued by the State Contractor's Board: 56797
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): # 2158
Signed: Michelle Strothen (By driller performing actual drilling on site or contractor)
Date: 1/3/14

USE ADDITIONAL SHEETS IF NECESSARY

(Rev. 08-12)