ORIGINAL

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

OFFICE USE ONLY
Log No. 115610
Permit No.
Basin No. 014

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. 70943
WELL NAME (If applicable): N/A

1. OWNER/CLIENT NAME: Estill Ranches LLC.
MAILING ADDRESS: PO Box 320 Gerlach, NV 89412

DETAILED ADDRESS AT WELL LOCATION: The Bare Ranch
Along Side Hwy 447 at the NV / CA Border
Subdivision Name: County: Washoe

2. PLS LOCATION: SW ¼ SW ¼ 20 Sec 38 N/S 18 E
PERMIT/WAIVER NO. (issued by Water Resources) (Current Parcel No.)

Latitude: 41* 09.376 N UTM E: ☐ NAD 27
Longitude: 119* 59.830 W UTM N: ☒ 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
Sandy Clay			0'	20'	20'
Black Clay			20'	50'	30'
Sand and Gravel			50'	70'	20'
Sandy Clay			70'	130'	60'
Clay			130'	150'	20'
Sandy Clay with Gravel			150'	185'	35'
Clay			185'	200'	15'
Sandy Clay with Gravel			200'	220'	20'
Small Sand and Gravel			220'	230'	10'
Clay and Gravel			230'	235'	5'
Sand and Gravel			235'	245'	10'
Sand, Gravel and Clay			245'	280'	35'
Sand and Gravel			280'	290'	10'
Clay, Sand and Gravel			290'	370'	80'
Hard Volcanic Sands			370'	400'	30'

Date started: 11-Nov, 20 13
Date completed: 12-Nov, 20 13

9. WELL CONSTRUCTION
Depth Drilled: 400' Feet Depth Cased: 400' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
14 3/4"	Inches	0'	Feet	400'	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
8 5/8"		.188"	+2'	300'
8 5/8"		.250"	300'	400'

PERFORATIONS:
Type of perforation: Mill Slot
Size of perforation: 0.080"
From 148' Feet To 400' Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal		to		
☒ Neat Cement	0'	to	115'	☒ 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.]	115'	to	400'	☐ Pumped ☒ Poured
☐ Sand Pack [< 0.2 in.]		to		☐ Pumped ☐ Poured
☐ Other, explain:		to		☐ Pumped ☐ Poured

7. WATER QUALITIES
Static water level: 30' 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)
Airlift	150		4 Hours
NAD27			
41.15637°N			
119.99681°W			

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): # 1713
Signed: Michelle Strother (By driller performing actual drilling on site or contractor)
Date: 12/2/13

RECEIVED 2013 DEC 4 PM 1:10 STATE ENGINEER'S OFFICE

(Rev. 08-1)

USE ADDITIONAL SHEETS IF NECESSARY