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

OFFICE USE ONLY
Log No. 114738
Permit No. 82144T
Basin No. 040

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. 68783
WELL NAME (If applicable):

1. OWNER/CLIENT NAME Cottonwood Ranch LLC
MAILING ADDRESS HC 62 Box 1300
Wells, NV 89835

DETAILED ADDRESS AT WELL LOCATION O'Neal Basin
Subdivision Name: County: Elko

2. PLS LOCATION SW ¼ SE ¼ 30 Sec 45N N/S 61 E
PERMIT/WAIVER NO. ~~49048~~ 82144T (Issued by Water Resources)
~~008-200-002~~ 02 (Current Parcel No.)

Latitude W115*07.022 UTM E ☐ NAD 27
Longitude N41*45.460 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
top soil			0	1	1
sand & gravel			1	4	3
boulders & gravel			4	33	29
boulders			33	50	17
pea gravel/conglomerate			50	128	78
gray siltstone/gravel			128	173	45
grey siltstone		X	173	177	4
brown clay			177	183	6
grey siltstone/sand			183	193	10
sandstone			193	197	4
grey siltstone			197	203	6
brown clay			203	206	3
sandstone			206	226	20
pea gravel		X	226	230	4
brown clay			230	237	7
cemented gravel			237	271	34
pea gravel		x	271	273	2
hard sandstone			273	283	10
NAD 83					
41.757756°N					
115.116146°W					
Corrected by DWR Staff Per Phone call					
on 6/13 by Mark (driller)					

Date started: 14-May, 20 13
Date completed: 22-May, 20 13

7. WATER QUALITIES
Static water level: 120 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: ° Fahrenheit
Water Quality: good

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

G.P.M.	Draw Down (Feet Below Static)	Recovered Time (Hours)
45		

9. WELL CONSTRUCTION
Depth Drilled: 283 Feet Depth Cased: 283 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
10 5/8	Inches	0	Feet	283	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8		.188	+2	23
6 5/8	PVC 17	17	23	163
6 5/8	PVC Sch 17		163	283

PERFORATIONS:
Type of perforation: mill slot 6 5/8
Size of perforation: 3/16x3
From 163 Feet To 183 Feet
From 223 Feet To 243 Feet
From 263 Feet To 283 Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0	to 100		
☒ Neat Cement	0	to 20	☐ Pumped	☒ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ Bentonite Chips	20	to 100	☐ Pumped	☒ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☒ Gravel Pack [> 0.2 in.]	100	to 283	☐ 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 Alternative Drilling Co LLC (Contractor)
Address P.O. Box 281166, Lamoille, NV 89828 (Contractor)
Nevada contractor's license number as issued by the *State Contractor's Board:* 73955
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2480
Signed: (By driller performing actual drilling on site or contractor)
Date: 5-29-13

RECEIVED
2013 JUN -7 AM 10:51
STATE ENGINEERS OFFICE

(Rev. 08-12)
USE ADDITIONAL SHEETS IF NECESSARY