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

OFFICE USE ONLY
Log No. 116741
Permit No.
Basin 087

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Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 69320

1. OWNER WASHOE COUNTY
MAILING ADDRESS 4930 ENERGY WAY
SW RENO, NV. 89502

ADDRESS AT WELL LOCATION 3031 LONGLEY LN.
RENO, NV. 89502
Subdivision Name: County:

2. LOCATION ~~SE~~ ¼ SW ¼ Sec 20 T 19 ☐N/S R 20 E
PERMIT/WAIVER No. SE 021-456-18
Issued by Water Resources Parcel No.

Latitude 39° 29' 35.63" N
Longitude 119° 45' 39.14" 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 SONIC

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
HOLE # CTM 125				
SEE ATTACHED LOG				

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NAD27
39.493319°N
119.759850°W

Date started: 6-3-13, 20 13
Date completed: 6-4-13, 20 13

7. Water Level
Static water level: 15 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
NONE		

9. WELL CONSTRUCTION
Depth Drilled 100 Feet Depth Cased 100 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
6	Inches	0	Feet	100'	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2		SCH 80 PVC	84	0

Perforations:
Type of perforation FACTORY SLOT
Size of perforation .020
From 94 feet to 84 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No

☐ Neat Cement	to		☐ Pumped	☐ Poured
☒ Cement Grout	80 to 0		☒ Pumped	☐ Poured
☐ Concrete Grout	to		☐ Pumped	☐ Poured
☐ ≥30% Bentonite Grout	to		☐ Pumped	☐ Poured

Gravel Pack: ☒ Yes ☐ No 95 to 82 ☐ Pumped ☒ Poured
Type: 95-83' 10x20 / 83'-82' # 60
Bentonite Chips: ☒ Yes ☐ No 100' to 95 ☐ Pumped ☒ Poured
Type: 3/8 CHIPS ALSO FROM 82'-80' POURED

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name BOART LONGYEAR (Contractor)
Address 7103 W. AUGUSTA AVE (Contractor)
GLENDALE, AZ 85303
Nevada contractor's license number issued by the State Contractor's Board 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2434-M
Signed K.L. Phillips
By driller performing actual drilling on-site or contractor
Date 6-4-13

(Rev. 05-08)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08)

(O) 627

well log# 116781

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

Drilling Specifications:

Drilling Contractor: BOART LONGYEAR
Drilling Method: SONIC
Rig: 1860
Driller:
Boring Diam.: 6 in TD: ft
Development Method:
Date Start: 6/3/2013 End:

Well Specifications:

Location Description: Gravelled Surface in COUNTY YARD
Coordinates: ft N ft E
Elevation: ft Survey Method:
Reference Pt. Description:
Well TD: 100 ft bgs Well Diameter: 2 in
Screen Interval: 84-94 ft bgs
First Water: ~12' ft bgs Static Water at completion: ft bgs

WELL ID: CTM125
Project:
Page 1 of 3
LOGGED BY: M. OWENS

Depth	Density/ Consistency	Moisture	Plasticity	Cohesiveness	Transmissivity	Color	Boulder %	Cobble %	Gravel %	Sand %	Silt %	Clay %	USCS Classification	Weathering/ Oxidization	Grading	Angularity	Matrix/Clast-Supported	Clast Lithology	Sedimentary Structure	Depositional Environment	Stratigraphic Contact	PID/Samples	Lithology	Description
0																								
	L	M	NP	NC	H	10YR 8/2	0	0	15	50	35		SM		PG	SA	M	A-50 B-50	MD	F/M	G			0-1.5' Very pale brown silty Sand w/ Gravel Fine to Coarse gravel to 1", Fine to coarse Sand.
5	F-H	M	L-M	C	T	10YR 4/2		10	10	15	75		ML		PG	A	M	A-25 B-75	M	F/M	S			1.5-6' dark grayish Brown, Silt w/ Sand And Gravel, med.-Crs. SAND, Fine to Crs. Gravel.
	F-H	M	M-	C	T	10YR 3/1					100		ML		PG	–	M	–	U	F	G			6-10', very dark gray Silt
10	H	M	M	C	T	10YR 5/1				10	90		ML		PG	SA	M	–	U	CF	G			10'-11.5' Gray Silt w/ SAND, Fine SAND
	H	M	N L	C	T-L	10YR 5/1		2	5	40	53		ML		PG	SR	M	Q-10 B-90	M U	F	G			11.5-14' Gray Sandy Silt, w/ gravel, Fine to Crs. Sand, Fine-Crs. Gravel to 2", Crs. Cobbles to 6"
15	MD	M	N	N	L	10YR 3/1				85	15		SM		PG	SA	M		M U	F	G			14-17' Very dark gray Silty Sand, Fine to med Sand.
	MD	M	N	SN	M	10YR 5/6				70	30		SM		PG	SA	M		MU	CF	S			17-18' yellowish Brn. Silty Sand, Fine Sand.
20	L	M	N	N	H	10YR 3/4			<5	95+			SP		PG	R	M		M U	F	S			18-26' dark yellowish Brown poorly graded Sand, F-C SAND, Fine to Crs. gravel, Fine to Crs. Sand, gravel upto 1.5".
25																								
30	H	M	L-M	C	T	10YR 4/4				10	90		ML	WM 10YR 6/6	PG	–	M		M U	F	G			26'-35' dark yellowish Brown Silt w/ Sand Fine Sand

Note: Description section to be used to complement and provide additional information to supplement column descriptors to the left, identify any samples collected, and describe any particulars associated with drilling behavior.

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well log # 116781

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

WELL LOCATION:

LOGGED BY:

Well ID: CTM125

Project:

Depth	Engineering Properties: Density/ Consistency	Moisture	Plasticity	Cohesiveness	Transmissivity	1º Description: Color	Boulder %	Cobble %	Gravel %	Sand %	Silt %	Clay %	USCS Classification	2º Effects: Weathering/ Oxidization	Depositional Properties: Grading	Angularity	Matrix/Clast-Supported	Clast Lithology	Sedimentary Structure	Depositional Environment	Stratigraphic Contact	Graphics: PID/Samples	Lithology	Description
30																								SEE P.1 FOR DESCRIPTION
35																								
	F-H	M	N-L	N	M	10yr 4/4				25	75		ML	WM 10yr 5/6	PG	SA	M		MU	F	S			36'-39.5' dark yellowish Brown w/ yellowish Brn. mottled zones of SANDY SILT, Fine to Med Sand
40	L	M	N	N	M	10yr 3/1			≤2	98+	10		SP		PG	SA	M	MAFIC volcan	MU	F	S			39.5-42' very Dark gray Poorly Graded SAND. w/ Silt Fine to Crs. Sand w/ Fine gravel up to 3/4".
	H	M	L-M	C	T	10yr 4/4				2	98		ML		PG		M		MU	F	G			42-43.75' dark yellowish Brown SILT, Trace Fine Sand
45	MD	M	N	N	M-H	10yr 4/2			25	70		5	SP-SC		PG		M		MU	F	G			43.75-46.5 dark grayish Brown Poorly Graded SAND w/ clay & Gravel
	H	M	M-H	C	T	10yr 4/4			≤	10	90		ML		PG	SA	M		MU	F	S			46.5-47 Brown SILT w/ SAND F-M SAND
	L	M	N	N	M-H	10yr 4/4				80	20		SM		PG	SA	M		MU	F	S			
50	H	M	L-M	C	T	10yr 6/4																		47-50 dark yellowish Brown Silty SAND, Fine to Coarse SAND
						10yr 5/1				≤5	95		ML		PG		M		MU	F	S			
						10yr 5/4																		50-68.5 light yellowish Brn - yellowish Br Silt w/ Trace Fine Sand
55			M																					
			M			10yr 5/6																		
60																								
65																								
70	H	M	N L	C	T	10yr 4/4		1	5	25			SM		PG		M		MU	F	S			68.5'-70 DARK yellowish Brn SANDY Silt, w/ Gravel and Small Cobbles, 1 Small 3" Cobble @ 69', F-C gravel upto 2", F-C SAND

Note: Description section to be used to complement and provide additional information to supplement column descriptors to the left. identify any samples collected, and describe any particulars associated with drilling behavior.

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well log #116781

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

WELL LOCATION: CTM 125

LOGGED BY: M. Owens

Well ID: CTM 125

Project:

Depth	Engineering Properties: Density/Consistency	Moisture	Plasticity	Cohesiveness	Transmissivity	1° Description: Color	Boulder %	Cobble %	Gravel %	Sand %	Silt %	Clay %	USCS Classification	2° Effects: Weathering/Oxidization	Depositional Properties: Grading	Angularity	Matrix/Clast-Supported	Clast Lithology	Sedimentary Structure	Depositional Environment	Stratigraphic Contact	Graphics: PID/Samples	Lithology
70	MD	M	N	NC	M H	10yr 4/4			≤ 5%	90%	5%		SP-SM		PG	R SR	M	G-50 B-50	MU	F	G		
75	MD	M	N	NC	M H	10yr 3/3		30	50	18	2%		GP		PGg	SR	C	G-33 B-33 A-33	M U	F	G		
	MD	M	N	NC	H	10yr 3/1			10	90			SP		PGg	SR	M	B-100	MU	F	S		
	MD	M	N	NC	L	10yr 3/1				30	70		ML		PG	–	M		MU	F	S		
80	MD	M	N	NC	L M	10yr 4/2				70	30		SM		PG	–	M		MU	F			
									20	70	10										G		
	MD	M	N	N	H	10yr 4/2			10	90			SP		PG	SR	M		MU	F	S		
85	MD	M	N	N	L-M	10yr 4/4				70	30		SM		PG		M		ML	F	S		
	F	M	N	N	L	10yr 5/6				10	90		ML		PG		M		MU	F	S		
	MD	M	N	N	L	10yr 4/3				70	30		SM		PG		M		MU	F	G		
90	L	M	N	N	H	10yr 3/1				95+			SP		PG		M		MU	F	G		
	F	M	N	N	L	10yr 4/6				10	90+		ML		PG		M		M	F	S		
	MD	M	N	N	H	10yr 3/2				90+			SP		PG		M		MU	F	S		
95	F	M	N	N	T-L	10yr 6/6 10yr 3/1 10yr 6/6				15	85		ML		PG		M		MU	F	S		
100	MD	M	N	N	H	10yr 3/2			10	90			SP		PG	R	M		MU	F	S		

Screened

Description

Note: Description section to be used to complement and provide additional information to supplement column descriptors to the left. Identify any samples collected, and describe any particulars associated with drilling behavior.

70-74' Dark yellowish Brn Poorly Graded SAND w/ silt And Gravel, Fine gravel upto 3/4", Fine-Crs. Sand.

74-77' Dark Brown Poorly Graded gravel w/ Cobbles and SAND, Rounded cobbles upto 5", Subrnd gravel upto 1.5", MED-Crs SAND

77-78.5 Dark gray Poorly Graded sand w/ Gravel, Fine gravel upto 1", Fine to Crs. SAND, Trace Silts ≤1%

78.5-79 Dark Gray Sandy Silt, Fine Sand (Grades to Sm over 6" before Sm w/cobbles

79-83 Dark Grayish Brn Silty Sand w/ Cobbles @ 82.5-83', Cobble upto 3" F-C SAND.

83-84 Dark grayish Brn Poorly Grades Sand w/ gravel, F-Gravel,

84-86 Dark yellowish Brn Silty Sand, F-M SAND

86-87.5 Dark yellowish Brn Silt.

87.5-92 Brown Silty SAND, Fine SAND

92-93 Dark yell. Brown Silt w/ SAND, Fine Sand

93-94 very DARK grayish Brown Poorly Graded SAND, F-C SAND

94-98.5 Brnish yellow Silt w/ SAND, F-Sand to very dark gray

98.5-100 very dark Brown Poorly Graded Sand w/ Gravel, F-C Sand, F-C gravel

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