Page 1 of 4

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

OFFICE USE ONLY
Log No. 119531
Permit No.
Basin No. 072

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. 67147
WELL NAME *(If applicable)*: SV-3

1. OWNER/CLIENT NAME TA Operations LLC
MAILING ADDRESS 24601 Center Ridge Road Ste 200
Westlake, OH 44145

DETAILED ADDRESS AT WELL LOCATION Facility ID: 5-000016
6000 E Frontage Road Inlay, NV 89418
Subdivision Name: *County:* ~~Washoe~~ pershing

2. PLS LOCATION ~~SW~~ N/W ¼ NW ¼ 33 Sec 33N N/S 35 E
PERMIT/WAIVER NO. _____ *Issued by Water Resources* 008-130-01 *Current Parcel No.*

Latitude 40.693692 UTM E ☐ NAD 27
Longitude 118.056677 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
Fill, Rock, Sand			0	5	5
Sand Stone			5	25	20
Hard Stone, Stiff			25	35	10
Stiff Sand Stone			35	40	5

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Nad 27
40.69378°N
118.055704°W

Date started: 27-Oct, 20 13
Date completed: 30-Oct, 20 13

9. WELL CONSTRUCTION
Depth Drilled: 40 Feet Depth Cased: 40 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8	Inches	0	Feet	40 ~~75~~	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
1/4			0	40

PERFORATIONS:
Type of perforation: Air Sparge Tips
Size of perforation:
From 9 Feet To 10 Feet
From 19 Feet To 20 Feet
From 29 Feet To 30 Feet

ANNULAR MATERIALS
☐ Sanitary Seal to
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☒ Bentonite Chips 0 to 9 ☐ Pumped ☒ Poured
☐ Bentonite Grout to ☐ Pumped ☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:
☐ Gravel Pack [> 0.2 in.] to ☐ Pumped ☐ Poured
☒ Sand Pack [< 0.2 in.] 9 to 10 ☐ Pumped ☒ Poured
☐ Other, explain: to ☐ Pumped ☐ Poured

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

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

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

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Cascade Drilling, L.P.
Contractor
Address 3000 Duluth Street West Sacramnto, CA 95691
Contractor

Nevada contractor's license number as issued by the *State Contractor's Board:* 73966
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2467

Signed: _____
By driller performing actual drilling on site or contractor
Date:

(Rev. 08-12)

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

OFFICE USE ONLY
Log No. 119531
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NOTICE OF INTENT NO. 67147
WELL NAME *(if applicable)*: SV-3

1. OWNER/CLIENT NAME TA Operations LLC
MAILING ADDRESS 24601 Center Ridge Road Ste 200
Westlake, OH 44145

DETAILED ADDRESS AT WELL LOCATION Facility ID: 5-000016
6000 E Frontage Road Inlay, NV 89418
Subdivision Name: *County:* ~~Washoe~~ Pershing

2. PLS LOCATION SW ¼ NW ¼ 33 Sec 33N N/S 35 E
PERMIT/WAIVER NO. 008-130-01
Issued by Water Resources *Current Parcel No.*

Latitude 40.693692 UTM E ☐ NAD 27
Longitude 118.056677 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	Thick-ness

Date started: 27-Oct , 20 13
Date completed: 30-Oct , 20 13

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9. WELL CONSTRUCTION
Depth Drilled: 40 Feet Depth Cased: 40 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
Inches	Feet	Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

PERFORATIONS:
Type of perforation: Air Sparge Tips
Size of perforation:
From 39 Feet To 40 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☐ Sanitary Seal		to		
☐ Neat Cement		to	☐ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ Bentonite Chips	10	to 19	☐ Pumped	☒ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]		to	☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	19	to 20	☐ Pumped	☒ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

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

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

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

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Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2467

Signed:
By driller performing actual drilling on site or contractor
Date:

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

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NOTICE OF INTENT NO. 67147
WELL NAME (If applicable): SV-3

1. OWNER/CLIENT NAME TA Operations LLC
MAILING ADDRESS 24601 Center Ridge Road Ste 200
Westlake, OH 44145

DETAILED ADDRESS AT WELL LOCATION Facility ID: 5-000016
6000 E Frontage Road Inlay, NV 89418
Subdivision Name: County: Washoe Pershing

2. PLS LOCATION SW ¼ NW ¼ 33 Sec 33N N/S 35 E
PERMIT/WAIVER NO. 008-130-01
Issued by Water Resources Current Parcel No.

Latitude 40.693692 UTM E ☐ NAD 27
Longitude 118.056677 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	Thick-ness

Date started: 27-Oct, 20 13
Date completed: 30-Oct, 20 13

9. WELL CONSTRUCTION
Depth Drilled: 40 Feet Depth Cased: 40 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
Inches	Feet	Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

PERFORATIONS:
Type of perforation:
Size of perforation:
From Feet To Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☐ Sanitary Seal		to		
☐ Neat Cement		to	☐ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ Bentonite Chips	20	to 29	☐ Pumped	☒ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]		to	☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	29	to 30	☐ Pumped	☒ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

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

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

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

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Address 3000 Duluth Street West Sacramnto, CA 95691 (Contractor)
Nevada contractor's license number as issued by the *State Contractor's Board:* 73966
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2467
Signed: (By driller performing actual drilling on site or contractor)
Date:

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HOLE DIAMETER (BIT SIZE)

		From	To
	Inches	Feet	Feet
	Inches	Feet	Feet
	Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

PERFORATIONS:
Type of perforation:
Size of perforation:
From Feet To Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☐ Sanitary Seal		to		
☐ Neat Cement		to	☐ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☒ Bentonite Chips	30	to 39	☐ Pumped	☒ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☐ Gravel Pack [> 0.2 in.]		to	☐ Pumped	☐ Poured
☒ Sand Pack [< 0.2 in.]	39	to 40	☐ Pumped	☒ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

7. WATER QUALITIES
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