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

OFFICE USE ONLY
Log No. 124410
Permit No.
Basin 072
Well Name NW 26

PRINT OR TYPE 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. 74234

1. OWNER Travel Centers of America LLC
MAILING ADDRESS 24601 Center Ridge RD
Westlake, OH 44145

ADDRESS AT WELL LOCATION 6000 E Frontage RD.
Mill City, NV
Subdivision Name
County Pershing

2. LOCATION NE ¼ NW ¼ Sec 33 T 33 N/S R 35 E/W
PERMIT/WAIVER No. M10-2035 (Issued by Water Resources) 008-130-01 Parcel No.
Latitude 40° .693879°
Longitude -118° .056265°
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 Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
See Attached				

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Date started 2-17 20 16
Date completed 2-17 20 16

7. Water Level
Static water level: 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)

9. WELL CONSTRUCTION
Depth Drilled 75' Feet Depth Cased 75' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8	Inches	0	Feet	75	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 40 PVC	0	75'

Perforations:
Type of perforation Manufactured Slot
Size of perforation 010
From 55' feet to 75' feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 33' ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 53 to 75' ☐ Pumped ☒ Poured
Type: 2/12 Sand
Bentonite Chips: ☒ Yes ☐ No 53' to 33' ☐ Pumped ☒ Poured
Type: Bentonite Chips

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Gregg Drilling (Contractor)
Address 950 Howe Ave Martinez ca. 94553 (Contractor)
Nevada contractor's license number issued by the State Contractor's Board 38113
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2354-M
Signed (By driller performing actual drilling on site or contractor)
Date 2-17-16

USE ADDITIONAL SHEETS IF NECESSARY

Bore ID:	MW-26	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL-MID
Depth to Rock/Coring:	NA	Latitude/Northing:	40.693874	Drill Bit Size/Type:	8"
Date Begin-End:	2/17/2016	Longitude/Easting:	-118.066265	Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:	~	Drilling Method:	H.S.A
Weather:	COLD WINDY	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	60'	Driller License #:	~	Hammer Drop/Weight:	30"/140lbs
Groundwater After:	58.19	Drill Crew:	ERIC, DAVID, BLAKE	Hammer Eff./Cal. Date:	~

Depth	Drilling Method	Sample Type Sym	Blows Per 6"	Recovery	Sample Number	PID/FID PPM	USCS Symbol	Soil Type, Particle-Size Range, Particle Angularity, Particle Shape, Density/Consistency, Plasticity, Color, Odor, Moisture, Reaction to HCL, Structure, Cementation	Backfill	Well Construction	Backfill	Well Completion: Description
0	SAFE DIG							ASPHALT ±4" OVER MIRAFI FABRIC OR EQUIVALENT				J-PLUG CAP
1												
2								SILTY SAND WITH OCCASIONAL GRAVEL M DENSE MOIST BROWN.				8" TRAFFIC RATED WELL VAULT WITH CONCRETE COLLAR
3												
4												
5												
6			7 12 14	18	1-4	1.0	SM	SILTY SAND, M DENSE, MOIST, BROWN FINE GRAINED NO ODOR/STAINING MINOR CEMENTATION FEW GRAVEL				BENTONITE CONCRETE SLURRY
7	H.S.A.											
8												
9												
10			10 14 12	18	2-4	0.5	SM	SAME AS ABOVE INCREASED GRAVEL CONTENT				2" SCH 40 PVC RISER WITH THREADED JOINTS
11												
12												
13												
14												
15			43 50 4		3-4	0.0	SP	POORLY GRADED SAND WITH GRAVEL (LIMESTONE CLASTS ANGULAR) V DENSE S MOISTURE GRAY NO ODOR/STAINING				
16												
17												
18												
19												
20												

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ENVIRONMENTAL FIELD LOG

Project Name: TA MILL CITY NEVADA
Address:
City/County, State: MILL CITY NEVADA Page: 1 of 4

[FIELD LOG - ENVIRONMENTAL FIELD LOG]

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Bore ID:	MW-26	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL M-10
Depth to Rock/Coring:	NA	Latitude/Northing:	SEE PG-1	Drill Bit Size/Type:	8"
Date Begin-End:	2/17/2016	Longitude/Easting:	" "	Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:		Drilling Method:	H.S.A
Weather:	OVERCAST WINDY	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	SEE PG-1	Driller License #:		Hammer Drop/Weight:	30"/140lbs
Groundwater After:		Drill Crew:	ERIC, DAVID, BLAKE	Hammer Eff./Cal. Date:	

Depth	Drilling Method	Sample Type Sym.	Blows Per 6"	Recovery	Sample Number	PID/FID	USCS Symbol	Soil Type, Particle-Size Range, Particle Angularity, Particle Shape, Density/Consistency, Plasticity, Color, Odor, Moisture, Reaction to HCL, Structure, Cementation	Backfill	Well Construction	Backfill	Well Completion: Description
20			11	18	4-4	0.3	SM	SILTY SAND WITH GRAVEL SEAMS, V				
21			33 50/4	"	"	"	"	DENSE, MASSIVE, MOIST, LIGHT GREY MODERATE CEMENTATION				BENTONITE CONCRETE SLURRY
22	H.											
23	S.											
24	A.											
25			23	9	5-8	0.7	ML	SANDY SILT W GRAVEL, VSTIFF, MOIST				
26			50/4	"		"	"	GREY NO ODOR/STAINING MODERATE PLASTICITY				
27												2" SCH 40 PVC RISER WITH THREADED JOINTS
28												
29												
30			33	10	6-4	0.0	SM	SILTY SAND W GRAVEL, V DENSE, MOIST				
31			50/4	"		"	"	GREY YELLOW RED MOTTLING CHAOTIC BEDDING NO ODOR NO STAINING				
32												
33												
34								BIT CHATTER GRAVEL/COBBLES ENCOUNTERED				HYDRATED BENTONITE 3/8" HOLE PLUG
35			39	0	7-4	—	SM	NO RECOVERY, DRILLER NOTED SAMPLER				
36			50/4	"				BOUNCING DRILLING IN GRAVEL/ COBBLE CONDITIONS				
37												
38								HEAVY BIT CHATTER SLOW ADVANCE CONCENTRATED GRAVEL/COBBLE ZONE				HSA USED AS ~~FORMING A TREMIE~~ PIPE
39												
40												

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Bore ID:	MW-26	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL M-16
Depth to Rock/Coring:	NA	Latitude/Northing:	SEE PG-1	Drill Bit Size/Type:	8"
Date Begin-End:	2/17/2016	Longitude/Easting:		Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:		Drilling Method:	H.S.A
Weather:	WINDY	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	SEE PG-1	Driller License #:		Hammer Drop/Weight:	30"/140lbs
Groundwater After:		Drill Crew:	ERIC DAVID BLAKE	Hammer Eff./Cal. Date:	

Depth	Drilling Method	Sample Type Sym.	Blows Per 6"	Recovery	Sample Number	PID/FID	USCS Symbol	Soil Type, Particle-Size Range, Particle Angularity, Particle Shape, Density/Consistency, Plasticity, Color, Odor, Moisture, Reaction to HCL, Structure, Cementation	Backfill	Well Construction	Backfill	Well Completion: Description
40–41			31 50@ 4	8	B-4	0.2	SM	SILTY SAND W. GRAVEL, V. DENSE, S MOISTURE, LIGHT OLIVE BROWN MODERATE CEMENTATION				2" SCH 40 PVC RISER WITH THREADED JOINTS
42–44	H. S. A.											
45–46			30 50@ 5	10	9-4	0.0	SM	SAME AS ABOVE NO ODOR NO STAINING CALICHE AT 46'				HYDRATED BENTONITE 3/8" HOLE PLUG
47–48												
49												
50–51			58 50@ 5	6	10-4	0.0	ML	SANDY SILT TRACE GRAVEL, V. STIFF MODERATE CEMENTATION, V MOIST OLIVE BROWN POORLY DEFINED LAMINAR BEDDING				
52–53												
54												#2/12 MONTEREY SAND
55–56			40 50@ 5		11-4	0.1	SM	SILTY SAND W. GRAVEL, V. DENSE, V MOIST, YELLOW BROWN, OLIVE BROWN MOTTLED NO ODOR/STAINING				0.010 IN. 2" SCH 40 WELL SCREEN WITH THREADED JOINTS
57–59												
60												

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Bore ID:	MW-26	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MA26 M-10
Depth to Rock/Coring:	NA	Latitude/Northing:	SEE PG-1	Drill Bit Size/Type:	8"
Date Begin-End:	2/17/2016	Longitude/Easting:		Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:		Drilling Method:	H.S.A
Weather:	OVERCAST CALM	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	60'	Driller License #:		Hammer Drop/Weight:	30"/140lbs
Groundwater After:	SEE PG-1	Drill Crew:	ERIC BLAKE DAVID	Hammer Eff./Cal. Date:	

Depth	Drilling Method	Sample Type Sym.	Blows Per 6"	Recovery	Sample Number	PID/FID	USCS Symbol	Soil Type, Particle-Size Range, Particle Angularity, Particle Shape, Density/Consistency, Plasticity, Color, Odor, Moisture, Reaction to HCL, Structure, Cementation	Backfill	Well Construction	Backfill	Well Completion: Description
60–61			36 50@5	11	12-4	0.6	SM	SILTY SAND W. GRAVEL, V. DENSE, MASSIVE WET OLIVE BROWN NO ODOR/STAINING				#2/12 MONTEREY SAND
62–64	H. S. A											H.S.A. USED AS TREMIE PIPE
65–66			31 50@5	8	13-4	3.7	GM	SILTY GRAVEL W SAND, V DENSE, WET BROWN, ANGULAR TO SUBROUND FINE COBBLE TO COARSE SAND NO ODOR/STAINING				0.010 IN 2" SCH 40 GROUNDWATER WELL SCREEN WITH THREADED JOINTS
70–71			15 50@3	8	14-4	47.2	SM	SILTY SAND W. GRAVEL, V DENSE, WET, BROWN SUBROUND TRACE COBBLE NO STAINING FAINT ODOR				
75–76			28 30 39	18	15-4	1.6	SM	SILTY SAND TRACE GRAVEL, COARSER WITH DEPTH, V DENSE, LIQUIFIABLE ZONE 75.5-76 WET BROWN NO ODOR/STAINING TOTAL DEPTH 76.5'				THREADED END CAP

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