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

OFFICE USE ONLY
Log No. 124411
Permit No.
Basin 072
Well Name MW 25

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. 74235

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 SW ¼ NW ¼ Sec 33 T 33N N/S R 35 E/W
PERMIT/WAIVER No. M10-2035 (Issued by Water Resources) 008-130-01 Parcel No.
Latitude 40°.693713' Longitude -118°.056925'
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				

Date started: 2-17, 20 16
Date completed: 2-18, 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 33' to 53' ☐ 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 Greg's 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 2-18-16

USE ADDITIONAL SHEETS IF NECESSARY

Bore ID:	MW-25	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL MUD
Depth to Rock/Coring:	NA	Latitude/Northing:	40.693713	Drill Bit Size/Type:	8"
Date Begin-End:	2/17 / 2016	Longitude/Easting:	-118.050925	Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:	~	Drilling Method:	H.S.A
Weather:	WINDY COLD	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	60'	Driller License #:		Hammer Drop/Weight:	30" / 140lbs
Groundwater After:	56.88	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
0	SAFE DIG							ASPHALT 3"				J-PLUG CAP
1								SILTY SAND W GRAVEL, M DENSE MOIST BROWN				8" TRAFFIC RATED WELL VAULT WITH CONCRETE COLLAR
2												
3												
4												
5			17	16	1-5	30.1	SM	SILTY SAND W GRAVEL AND FINE COBBLES, V DENSE, MOIST BROWN NO ODOR, NO STAINING				2" SCH 40 RISER WITH THREADED JOINTS
6			28 32									
7	H.S.A.											
8								BIT CHATTER				
9												
10			30	8	2-5	1.3	SM	SAME AS ABOVE				BENTONITE CONCRETE SLURRY
11			50 5									
12												
13												
14												
15			41	7	3-5	5.5	GM	SILTY GRAVEL W SAND (COBBLES) V DENSE, MOIST, BROWN NO ODOR/STAINING MASSIVE ANGULAR				
16			50 2									
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-25	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL MID
Depth to Rock/Coring:	NA	Latitude/Northing:	SEE PAGE 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:	60'	Driller License #:		Hammer Drop/Weight:	30" / 140 lbs
Groundwater After:	-	Drill Crew:	ERIC, DAVID, 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
20			28	11	4-5	0.9	SM	SILTY SAND W GRAVEL, VERY DENSE,				BENTONITE CONCRETE SLURRY
21			36					MOIST COARSE BROWN MASSIVE				
			50/3					FINE TO M GRAINED NO ODOR/				
22								STAINING				
	H.											
23												
	S.											
24												
	A.											
25								(CAP) W SILTY SAND				
			50/3	4	5-5	0.7	SM	SANDY SILT, SOME GRAVEL, V STIFF				
26			5					MODERATE CEMENTATION LOW PLASTICITY				
								MOIST YELLOW BROWN				
27												2" SCH 40 PVC USED WITH THREADED JOINTS
28												
29												
30			35	9	6-5	1.1	SM	SAME AS ABOVE PUSHING				
			50/3					CONGLOMERATE CLAST (CLAST				
31			3					SUPPORTED CACO3 CEMENTATION)				
								IN SHOE				
32												
33												
34												
35			21	6	7-5	2.4	SM	REACTS TO HCL				3/8" HOLE PLUG BENTONITE FREQUENTLY HYDRATED
			50/3					SILTY SAND, V DENSE, FINE				
36			4					GRAINED MOD TO WELL CEMENTED,				
								SMOISTURE YELLOW BROWN (CALICHE)				
37								SLOW ADVANCE TIGHT SOIL				
								MINIMAL SHATTER FROM BIT				
38								POSSIBLE CALICHE ZONE				
39												
40												

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ENVIRONMENTAL FIELD LOG

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Address:
City/County, State: MILL CITY NEVADA
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FIELD LOG - ENVIRONMENTAL FIELD LOG

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Bore ID:	MW-25	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:	2/18/2016	Longitude/Easting:		Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:		Drilling Method:	H.S.A
Weather:	WINDY	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	60	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
60			19	18	12-5	14.8	SM	SILTY SAND FEW GRAVELS V DENSE				
61			28 50/5					WET OLIVE BROWN SLIGHT ODOR MODERATE CEMENTATION (HCL) POORLY				
62	H.							DEFINED BLOCKY STRUCTURE MINOR PLASTICITY				
63												
64	S.											
65	A.		10 50/4	11	13-5	150.9	ML	SANDY SILT W GRAVEL, V STIFF, WET LIGHT BROWN, FAINT ODOR, MODERATE PLASTICITY MASSIVE				
66												
67												
68												
69												#2/12 MONTEREY SAND
70			26 31 48	18	14-5	1143	SP ML	POORLY GRADED SAND TRACE GRAVEL (STRONG ODOR AND STAINING) OVERLYING LIGHT BROWN SANDY SILT, V STIFF, MINOR CEMENTATION MASSIVE (CONFINING LAYER?)				
71						707.7						0.010 IN. SLOTTED 2" SCH 40 PVC WELL SCREEN WITH THREADED JOINTS
72												
73												
74												
75			18 50/4	11	15-5	9193	SM	SILTY SAND OVERLYING SILTY SAND W GRAVEL LOOSE TO V DENSE, WET DK OLIVE GREY STRONG ODOR				THREADED END CAP
76								TOTAL DEPTH 76.5'				
77												
78												
79												
80												

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