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

OFFICE USE ONLY
Log No. 124413
Permit No.
Basin 072
Well Name MW23

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 East Frontage RD.
Mill City, NV
Subdivision Name
County Pershing

2. LOCATION SW ¼ NW ¼ Sec 33 T 33 N R 35 E
PERMIT/WAIVER No. m10-2035 (issued by Water Resources) | 008-130-01 (Parcel No)

Latitude 40°.693265' Longitude -118°.057083'
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 2-15 20 16
Date completed 2-16 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 2-16-16

USE ADDITIONAL SHEETS IF NECESSARY

Bore ID:	MW-23	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL M-10
Depth to Rock/Coring:	NA	Latitude/Northing:	40.693265	Drill Bit Size/Type:	8"
Date Begin-End:	2/15/2016	Longitude/Easting:	-118.057083	Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:	—	Drilling Method:	H.S.A
Weather:	BREEZY/COOL	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	65'	Driller License #:	—	Hammer Drop/Weight:	30"/140lbs
Groundwater After:	58.40'	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
0	SAFE DIG							ASPHALT ≈4" SILTY SAND WITH OCCASIONAL GRAVEL		T PLUG		8" TRAFFIC RATED WELL VAULT CONCRETE COLLAR
5			7 16 24	18	1-1	2.1	SM	SILTY SAND W GRAVEL, M DENSE, MOIST BROWN (FILL?)				
7	H.S.A.									2" SCH 40 RISER THREADED FLUSH JOINTS		BENTONITE CEMENT SLURRY
10			16 26 40	18	2-1	0.0	GM	SILTY GRAVEL W SAND, DENSE, MOIST BROWN TO RED BROWN NO ODOR SOME IRON OXIDE STAINING MASSIVE				
15			22 35 45	18	3-1	0.0	SM	SILTY SAND, V DENSE, MOIST BROWN FINE GRAINED <10% GRAVEL MUDSTONE INCLUSIONS NO ODOR NO STAINING				

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PROJECT NO.: 20163102
DRAWN BY:
CHECKED BY:
DATE:
REVISED:

ENVIRONMENTAL FIELD LOG

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

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Bore ID:	MW-33	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL MUD
Depth to Rock/Coring:	NA	Latitude/Northing:	SEE PG-1	Drill Bit Size/Type:	8"
Date Begin-End:	2/15/2016	Longitude/Easting:		Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:		Drilling Method:	H.S.A
Weather:	BRIGHT + COOL	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	SEE PG-1	Driller License #:		Hammer Drop/Weight:	30"/140lbs
Groundwater After:		Drill Crew:	ERIK 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
20			20/	12	4-1	0.0	SM	SILTY SAND W GRAVEL AND COBBLES		2" SCH 40 RISER SOLID PVC PIPE (NO THREADED JOINTS)		BENTONITE CEMENT SLURRY
21			50/ 8"					V DENSE, MOIST BROWN/GREY LIMESTONE INCLUSIONS BROKEN SHOG POUNDING ON COBBLE				
22	H.											
23	S.											
24	A.											
25			20	18	5-1	0.0	SM	SAME AS ABOVE NO ODOR AND				
26			30					STAINING SOME INTERBEDDED				
			40					POORLY GRADED SAND LENSES (26')				
27												
28												
29												
30			50	9	6-1	0.0	SM	SAME AS ABOVE INCREASED				
31			8					GRAVEL FROM INTERBEDDED SILT				
			9					LENSES (LOW PLASTICITY)				
32												
33												
34												3/8" HOLEPLUG BENTONITE CHIPS (HYDRATED)
35			50	2"	7-1	0.0	SC	CLAST SUPPORTED CONGLOMERATE				
36			4					SEMI ROUND FINE GRAVEL TO COARSE				
								SAND CARBONATE CEMENT				
37								INSTANT REACTION TO HCL				
38												
39												
40												

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ENVIRONMENTAL FIELD LOG

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Bore ID:	MW-23	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:	2/15/2016	Longitude/Easting:		Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:		Drilling Method:	H.S.A
Weather:	SEE PG-1	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:		Driller License #:		Hammer Drop/Weight:	30"/140lbs
Groundwater After:		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
40			21	10	B-1	0.0	GM	SILTY GRAVEL W SAND, V DENSE, MOIST				
41			50					OR BROWN/OLIVE, MASSIVE SUB				
			4					ROUND GRAVEL NO ODOR/STAINING				
42	H.											3/8" HOLEPLUG BENTONITE
43	S.											
44	A.											
45			31	18	9-1	0.0	GM	SAME AS ABOVE				
46			28									
			46									
47												
48												
49												
50			39	10	10-1	0.0	ML	CAP ~~SAME AS ABOVE~~ SANDY SILT OCCASIONAL		2" SCH 40 SOLID RISER		
51			50					GRAVEL, STIFF, V MOIST OLIVE BROWN				
			3					DISCONTINUOUS IRON OXIDE STAINING				
								50.5-51' NO ODOR				
52												
53												
54												#2/12 MONTEREY SAND
55			39		11-1	0.0	SM	SILTY SAND (FINE GRAINED) W LIMESTONE				
56			50					COBBLE @ 56' V DENSE, V MOIST, BROWN				
			2					SOME EVAPORITE CARBONATES				
57								PERIODIC BIT CHATTER (COBBLES)				
58												0.010 SLOTTED 2" SCH 40 PIPE THREADED JOINTS
59												
60												

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ENVIRONMENTAL FIELD LOG

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City/County, State: MILL CITY NEVADA Page: 3 of 4

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Bore ID:	MW-23	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 PAGE 1	Drill Bit Size/Type:	8"
Date Begin-End:	2/15/2016	Longitude/Easting:	/	Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:	/	Drilling Method:	H.S.A
Weather:	CLEAR/COOL	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	65'	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			29	18	12-1	0.1	SM	SILTY SAND W OCCASIONAL GRAVEL				8" BORING
61			30					V DENSE, V MOIST INCREASED PLASTICITY				
			45					MAGNE NO ODOR NO STAINING				
62	H.											#2/12 MONTEREY SAND
63												
64	S.											
65	A.		40	10	13-1	0.0	SM	SILTY SAND W GRAVEL, V DENSE, WET				
66			50/4					GREY MINOR CEMENTATION NO ODOR NO STAINING GRAVEL ROUND TO SUB ROUND				
67												
68												
69												0.010 IN SC W/O 2" PVC SLOTTED
70			28	10	14-1	0.0	SM	SILTY SAND W GRAVEL (MUDSTONES)				
71			50/4					INCREASED SAND SOME IRON OXIDE STAINING V DENSE WET GREY BROWN				
72												
73												
74												
75			6	18	15-1	0.0	SM	SAME AS ABOVE				THREADED END CAP
76			22									
			34									
77								TOTAL DEPTH AT 1700 BEGIN SETTING WELL				
78												
79												
80												

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