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

OFFICE USE ONLY
Log No. 124412
Permit No.
Basin 072
Well name MW 24

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/S R 35 E/W
PERMIT/WAIVER No. m10-2035 (Issued by Water Resources) 008-130-01 (Parcel No.)

Latitude 40°.693550° 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 2-16 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 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 Gregg Drilling (Contractor)
Address 950 Howe Ave Martinez Ca. 9455 (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 E. Santella (By driller performing actual drilling on site or contractor)
Date 2-16-16

USE ADDITIONAL SHEETS IF NECESSARY

Bore ID:	MW-24	Plunge:	—	Logged By:	C. PARK
Total Depth:	76.5'	H/V Datum:	—	Drilling Equipment:	MARL M-10
Depth to Rock/Coring:	NA	Latitude/Northing:	40.693550	Drill Bit Size/Type:	8"
Date Begin-End:	2/16 / 2016	Longitude/Easting:	-118.056923	Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:		Drilling Method:	H.S.A
Weather:	CLEAR COOL	Drilling Company:	GREGG	Hammer Type:	AUTO
Groundwater During:	55'	Driller License #:		Hammer Drop/Weight:	30"/140lbs
Groundwater After:	57.19	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 4" INCHES				8" WELL VAULT TRAFFIC RATED CONCRETE COLLAR T-PLUG CAP
1								SILTY SAND W GRAVEL & COBBLE BASE MATERIAL				
2												
3												
4												
5								NATIVE CONTACT AT 4.5'				
5			4	8	1-2	0.0	SM	SILTY SAND W GRAVEL, M DENSE, MOIST				
6			6	(	(	(	(	BROWN NO ODOR NO STAINING				BENTONITE CEMENT SLURRY
			13									
7	H.S.A.											
8												
9												
10			6	18	2-2	0.0	SM	SILTY SAND INCREASED GRAVEL, V DENSE, ZONES OF MODERATE TO HEAVY CARBONATE CEMENTATION, MOIST, BROWN		2" SCH 40 RISER THREADED JOINTS		
			22	(	(	(						
			30									
12												
13												
14								HEAVY COBBLE BIT CHATTER				
15			28	4	3-2	0.0	SM	SILTY SAND, HEAVY CEMENTATION, V DENSE, MOIST, BROWN				
16			38									
			50/5									
17												
18												
19												
20												

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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

(FIELD LOG - ENVIRONMENTAL FIELD LOG)

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Bore ID:	MW-24	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:	2/16/2016	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 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			26	10	4-2	10.0	SP	POORLY GRADED SAND W GRAVEL				
21			58					AND COBBLES, MODERATE CEMENTATION				
			5					V DENSE, MOIST, GREY BROWN				
22	H.							FEO3 & CaCO cementation/stickling				BENTONITE
23	S.							HEAVY COBBLES SLOW ADVANCE		2"		CEMENT
24	A.							AUGER CHATTER		SCH 40		SLURRY
25			28	18	5-2	3.8	SM	SILTY SAND W GRAVEL, V DENSE, V MOIST		RISER		
26			31					GREY YELLOW GREEN MOTTLED				
			49					NO ODOR				
27												
28												
29												
30			20	16	6-2	0.0	SM/SP	INTERBEDDED SILTY SAND & POORLY		THREADED		
31			50@5					GRADED SAND LENSES W GRAVEL, S MOIST				
								TO MOIST, GREY BROWN MOTTLED				
32								MASSIVE STRUCTURE				
33												
34								SLOW ADVANCE LESS CONCENTRATED		FLUSH		
								COBBLE				
35			30		7-2	1.2	SP	POORLY GRADED SAND W GRAVEL		JOINTS		3/8"
36			50@5					V DENSE, MOIST YELLOW GREEN/ORANGE				HOLE PLUG
								BROWN/GRAY MOTTLED				BENTONITE
37												
38												FREQUENTLY
39												HYDRATED
40												DURING PLACEMENT

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ENVIRONMENTAL FIELD LOG

Project Name: TA MILL CITY NEVADA
Address:
City/County, State: MILL CITY NEVADA Page: 2 of 4

FIELD LOG - ENVIRONMENTAL FIELD LOG

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Bore ID:	MW-24	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:	2/16/2016	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 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			28 50/3	16	B-2	1.0	SM	SILTY SAND W. GRAVEL, V. DENSE, S. MOISTURE, LIGHT BROWN CARBONATE STAINING, NO ODOR				
42	H.											BENTONITE 3/8" HOLE PLUG
43	S.											
44	A.											
45–46			28 50/3 4	10	9-2	0.6	SP SM	POORLY GRADED SAND W. GRAVEL OVERLYING SILTY SAND MODERATE PLASTICITY, V. DENSE, MOIST, BROWN				
47												
48												
49												
50–51			21 40 48	18	10-2	0.0	SM	SILTY SAND W. GRAVEL, MOD V. DENSE, MOIST, BROWN				2" SCH 40 PVC RISER WITH THREADED FLUSH JOINTS
52												
53												
54												#2/12 MONTEREY SAND
55–56			23 38 41	18	11-2	0.0	SP	POORLY GRADED SAND W. GRAVEL AND SILTY SAND SEAMS, V. DENSE, MOIST, GREY BROWN				0.010 IN SLOTTED 2" SCH 40 WELL SCREEN
57												
58												
59												
60												

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

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Bore ID:	MW-24	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:	2/16/2016	Longitude/Easting:	" "	Bore Diameter:	8"
Surface Condition:	ASPHALT	Elevation:	" "	Drilling Method:	H.S.A
Weather:	BREEZY WARM	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
60			20	16	12-2 *	964.4	SM	SILTY SAND W/ GRAVEL, V. DENSE,				AUGER USED AS TREMIE (DEPTH CHECKED WITH TAPE)
61			19	"	"	"	"	WET, LIGHT BROWN NO STAINING				
			24					STRONG ODOR				
62	H.											
63	S.											
64												
65	A		21	18	B-2	657.6 SP	SP	POORLY GRADED SAND, LOOSE, WET, OK				
66			31	"		(CLP)		LIGHT, ODOR, OVERLYING, SANDY SILT, STIFF				
			33			10.8	ML	WELL CEMENTED, V MOIST BROWN				
67												#2/12 MONTEREY SAND
68												
69												
70			30	18	14-2	237.5	ML	SANDY SILT, STIFF, MASSIVE, V MOIST				
71			35	"		"	"	BROWN SLIGHT ODOR SOME				
			40					GRAVEL				0.010 IN SLOTTED 2" SCH 40 WELL SCREEN (55-75')
72												
73												
74												
75			28	18	15-2	309	ML	SAME AS ABOVE INTERBEDDED				THREADED END CAP
76			28	"	"	"	"	SILTY SAND LENSES (WET)				
			31									
77								TOTAL DEPTH 76.5'				
78												
79												
80												

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ENVIRONMENTAL FIELD LOG

Project Name: T4 MILL CITY NEVADA
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