

1) OWNER JIMMY PERIL (Name) ADDRESS E.V. DUA LUTZ (MARBLE FALLS) TX 75077
(Street or RFD) (City) (State) (Zip)
2) LOCATION OF WELL: County BURNET 6 miles in N.W. direction from MARBLE FALLS
(NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ LEGAL DESCRIPTION:

Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____

Distance and direction from two intersecting section or survey lines _____

☒ SEE ATTACHED MAP

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging
4) PROPOSED USE (Check): ☒ Domestic ☐ Industrial ☐ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ De-Watering
5) DRILLING METHOD (Check): ☐ Mud Rotary ☒ Air Hammer ☐ Jetted ☐ Bored ☒ Air Rotary ☐ Cable Tool ☐ Other _____

6) WELL LOG:

Date Drilling: _____
Started 4-18-91
Completed 4-22-91
DIAMETER OF HOLE
Dia. (in.) From (ft.) To (ft.)
8 3/4 Surface 23
8 23 65
6 1/4 65 163
6 163 265

7) BOREHOLE COMPLETION:

☒ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval ... from _____ ft. to _____ ft.

From (ft.) To (ft.) Description and color of formation materials

0 33 GRANITE GRAVEL
33 65 WEATHERED GRANITE
65 265 RED GRANITE

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mig., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
<u>6</u>	<u>N</u>	<u>SCH 50 PVC</u>	<u>+2</u>	<u>67</u>	
		<u>PERF: 1/2" x 8 ROWS</u>	<u>58</u>	<u>55</u>	

(Use reverse side if necessary)

13) TYPE PUMP:

☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 240 ft.

14) WELL TESTS:

Type Test: ☐ Pump ☐ Sailer ☒ Jetted ☐ Estimates
Yield: 4-5 gpm with _____ ft. drawdown after _____ hrs.

15) WATER QUALITY:

Did the drilling penetrate any strata which contained undesirable constituents?
☐ Yes ☒ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

9) CEMENTING DATA (Rule 287.44(1))

Cemented from 0 ft. to 25 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Mud used _____
Cemented by _____

10) SURFACE COMPLETION

☐ Specified Surface Slab Installed (Rule 287.44(2)(A))
☐ Pile Adapter Used (Rule 287.44(3)(B))
☒ Approved Alternative Procedure Used (Rule 287.71)

11) WATER LEVEL:

Static level 48 ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

12) PACKERS:

Type POLY Depth 25

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME WESTERN WATER WELLS
(Type or print)

WELL DRILLER'S LICENSE NO. 1478

ADDRESS 500 SOUTHLAND DR.
(Street or RFD)

BURNET TX 78611
(City) (State) (Zip)

(Signed) Dwight D. Barker
(Licensed Well Driller)

(Signed) _____
(Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only: Well No. _____ Located on map _____

SCREENING RESULTS

Name: Rita Motley

Date: 11-16-18 37

Address: 2433 Country Rd Wc

City, State Zip: Marble Falls

The results of the screenings conducted on your water sample are:

Total Coliform Detected N

E. coli Bacteria Detected: N

Nitrate-Nitrogen (ppm): 0

Arsenic (ppb): _____

Salinity (TDS) Concentration (ppm): 78654
395

This coliform procedure is a screening process. If the results were positive for the presence of *E. coli* in your sample, please contact the Texas Commission on Environmental Quality (TCEQ), for a list of Texas laboratories certified by National Environmental Laboratory Accreditation Conference (NELAC) for drinking water testing. This list also is on the web at: http://www.tceq.texas.gov/goto/certified_labs.

The nitrate screening results indicate the concentration of nitrates in parts per million (ppm) present in your water sample. The US EPA has set a primary maximum contaminant level (MCL) for nitrate-nitrogen at 10 ppm. This is the maximum level of nitrate-nitrogen that the EPA has determined that an individual can safely ingest. This EPA standard is primarily directed toward pregnant/lactating women and infants less than one year old. Since our lab is mobile, we add an additional level of safety of 2 ppm and use 8 ppm as our action level. If your screening result is below 8 ppm, no further action is required at this time. However, if your result is above 8 ppm, consult http://www.tceq.texas.gov/goto/certified_labs for a water testing lab that will test for nitrate-nitrogen.

EPA has set the arsenic drinking water standard at 10 parts per billion (ppb) to protect consumers served by public water systems from the effects of long-term, chronic exposure to arsenic. If your screening result is above 10 ppb, contact a water testing lab to confirm the arsenic concentration reported for your water. For additional information on arsenic in drinking water go to <http://twon.tamu.edu/media/385802/drinking%20water%20problems-arsenic.pdf>.

The salinity screening result indicates the concentration of Total Dissolved Solids (TDS) in parts per million (ppm) present in your water sample. The US EPA has set a secondary maximum contaminant level for TDS at 500 ppm. Secondary drinking water standards differ from primary standards. Primary standards deal with contaminants that affect human health. Secondary standards deal with contaminants that affect the aesthetic quality of the water (i.e., color, taste, clarity). Those on low sodium diets may need to be concerned with TDS levels in their drinking water and should discuss results with their doctor. Waters with high salinity values can also adversely impact plants and livestock.

TDS guide for plants (ppm):

0-175	Excellent; no risk to plants
175-525	Good; not for sensitive plants
525-1,400	Permissible; not for low salt tolerant plants
1,400-2,100	Doubtful; damage to high salt tolerant plants
>2,100	Unsuitable

TDS guide for livestock (ppm):

0-3,000	Okay for all livestock
3,000-4,999	Satisfactory; may result in temporary refusal and diarrhea; poor quality for poultry
4,999-6,999	Reasonably safe; not for pregnant/lactating animals
6,999-10,000	Risky to young, pregnant/lactating animals and animals under heat stress or water loss
>10,000	Unsuitable for all livestock

Please note that at this event your water sample was only screened for *E. coli* bacteria, arsenic, nitrate-nitrogen and salinity concentrations using mobile lab techniques. If you would like to have your water tested for other potential contaminants, contact the Texas Commission on Environmental Quality at 512-239-3754.

Thank you for participating in this water screening program. For more information regarding protection of your drinking water quality, please contact John W. Smith with Texas A&M AgriLife Extension Service at 979-845-2761.

Diane E. Boellstorff, Ph.D., Assoc. Professor & Extension Specialist—Water Resources and **John W. Smith**, M.S., Extension Program Specialist

Extension programs serve people of all ages regardless of socioeconomic level, race, color, sex, religion, disability, or national origin. The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas Cooperating Support for this program is provided through Clean Water Act §319(h) Nonpoint Source funding from the Texas State Soil and Water Conservation Board and the U.S. Environmental Protection Agency under Agreement No. 13-08.