| ж | | | Byi | covered cu | rena #1 |
|------------------------|---|---------------------|----------------------|---|-------------------|
| S | TATE OF TEX | AS WELL RE | PORT for T | racking #219 | 285 |
| Owner: D | ownunder Horsem | anship | Owner Well | #: Well Log 25 | 544 |
| | 285 N US Hwy 377 tephenville, TX 764 | 104 | Grid #: | 31-46-9 | |
| | ff of FM 3025 | 101 | Latitude: | 32° 17' 03 | 8" N |
| St | ephneville, TX 764 | 101 | Longitude: | 098° 16' 35 | 5" W |
| Well County: E | rath | 2 1 | Elevation: | No Data | |
| Type of Work: Ne | w Well | | Proposed U | se: Public Sup | oply |
| Drilling Start Date: | 5/3/2010 Drill | ing End Date: 5/3/2 | 010 | Plans Appro | ved by TCEQ - YES |
| | Diameter | (in.) T | op Depth (ft.) | Bottom Depth | (ft.) |
| Borehole: | 15 | 1 | 0 | 5 | |
| | 11 | | 5 | 399 | |
| Drilling Method: | Air Rotary | | | | |
| Borehole Completion | n: Filter Packed | | | | |
| | Top Depth (ft.) | Bottom Depth (ft.) | Filter M | aterial | Size |
| Filter Pack Intervals: | 209 | 399 | Gra | vel | 12/20 |
| Appular Cool Date: | Top Depth (ft.) | Bottom Depth (ft. |) Des | cription (number of sac | ks & material) |
| Annular Seal Data: | 0 | 209 | | 65 Portland Ce | em |
| Seal Method: | - | | Distance to Pro | operty Line (ft.): 20 | 0 |
| Sealed By: | Driller | | Distance to Seption | c Field or other tamination (ft.): 25 | 0 4 |
| | | 8 | Distance to S | eptic Tank (ft.): No | Data |
| | | | Method | of Verification: Cu | stomer Verified |
| Surface Completion: | Surface Sleeve | Installed | | | |
| Water Level: | 267 ft. below la | and surface on 2010 |)-05-03 Measu | urement Method: | Unknown |
| Packers: | None | | | | |
| Type of Pump: | Submersible | | Pun | np Depth (ft.): 357 | |
| | | | | ours, no drawdow | |

Well Report Tracking Number 219285 Submitted on: 6/10/2010

| | Strata Depth (ft.) | Water Type | | |
|----------------------|--|--|--|------------------|
| Water Quality: | 150-375 | Trinity | | |
| | | Chemical Analysis | Made: No | |
| | Did the driller kn | owingly penetrate any strata v contained injurious constitue | vhich ents?: No | |
| Certification Data: | driller's direct supervisit correct. The driller und | the driller drilled this well (or t on) and that each and all of th erstood that failure to complet rned for completion and resub | e statements her e the required ite | ein are true and |
| Company Information: | Associated Services | 5 | | |
| | PO Box 16 Stephenville, TX 76 | 401 | | |
| Driller Name: | Josh Aardal | Lic | ense Number: | 55033 |
| Comments: | ^EO | | | |
| | | | | |

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

| Top (ft.) | Bottom (ft.) | Description |
|-----------|--------------|--|
| 0 | 1 | sandy topsoil |
| 1 | 50 | yellow red Ibue withe clay, sandy clay and sand |
| 50 | 150 | grey clay, shale and limestone |
| 150 | 195 | grey blue red clay, sandy clay and streaks of sand |
| 195 | 221 | sand, tiny small gravel |
| 221 | 245 | blue grey sandy clay, coal and sand |
| 245 | 305 | sand, small gravel, steak of sandstone and sandy clay |
| 305 | 320 | blue red clay, shale and limestone |
| 320 | 388 | sand, tiny gravel and pea gravel |
| 341 | 375 | sand, tiny gravel, blue powder sand |
| 375 | 399 | yellow clay and shale |
| 388 | 341 | red shale |

Casing: BLANK PIPE & WELL SCREEN DATA

| Dia. (in.) | New/Used | Туре | Setting From/To (ft.) |
|------------|------------|-------|------------------------|
| 6.62" N | lew Blank | PVC 0 | '-219' SDR17 |
| 6 62" N | Low 0 020" | PVC S | Screen 219'-399' SDR17 |

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation P.O. Box 12157

Austin, TX 78711 (512) 334-5540

| 2° 154 | | 0 | | | By mok | pile hom | 1es #2 | | | |
|---------------------|----------|-----------------------------------|--------------|---|--|---------------------|------------------|--|--|--|
| | STA | TE OF TEX | AS WELL | . REP | ORT for Tr | acking #27 | 7386 | | | |
| Owner: | Dowi | nunder Horsema | nship | | Owner Well # | E Well Log 2 | 2734 | | | |
| | | N US Hwy. 377 nenville, TX 764 | 01 | | Grid #: | 31-46-9 | | | | |
| | - | M 3025 | 51 | | Latitude: | 32° 16' 5 | 59" N | | | |
| | Step | nenville, TX 764 | 01 | | Longitude: | 098°16'4 | 49" W | | | |
| Well County: | Erath | I | | | Elevation: | No Data | | | | |
| Type of Work: | New \ | Vell | | | Proposed Us | e: Domestic | | | | |
| Drilling Start Date | e: 9/2 | 9/2011 Drilli | ng End Date | 9/29/20 | 11 | | | | | |
| | | Diameter (| ïn.) | Тор | Depth (ft.) | Bottom Dept | th (ft.) | | | |
| Borehole: | | 7.875 | | | 0 | 396 | | | | |
| Drilling Method: | | Air Rotary; Mu | d (Hydraulic |) Rotary | | | | | | |
| Borehole Complet | tion: | Filter Packed | | | | | | | | |
| | | Top Depth (ft.) | Bottom Depth | (ft.) | Filter Ma | terial | Size | | | |
| Filter Pack Interva | IS: | 200 | 396 | | Grav | el | 12/20 | | | |
| Annular Seal Data | | Top Depth (ft.) | Bottom D | | Description (number of sacks & material) | | | | | |
| | <i>.</i> | 0 | 20 | elanda harman danaharan sa sarar ara sama | 3 Portland Cem. 10 Benseal | | | | | |
| Seal Metho | d. Pu | | | | Distance to Prov | perty Line (ft.): 4 | | | | |
| | | sociate Services | ; | | ance to Septic | | 00 | | | |
| | - | | | | centrated conta | amination (ft.): 5 | | | | |
| | | | | | | ptic Tank (ft.): N | | | | |
| Surface Completio | on: | Surface Sleeve | Installed | | Method | | ustomer Verified | | | |
| Water Level: | | 265 ft. below la | nd surface o | n 2011-0 | 9-29 Measur | ement Method: | Unknown | | | |
| Packers: | | No Data | | | | | | | | |
| Type of Pump: | | Submersible | | | Pum | p Depth (ft.): 38 | 0 | | | |
| Well Tests: | | Pump | Yield: | 50+ GPI | M after 24 hour | rs, no drawdow | n specified | | | |
| | | | | | | | | | | |

| | Strata Depth (ft.) | Water Type | | | |
|----------------------|---|---|------------------------------------|------------------|--|
| Water Quality: | 170-386 | Fresh | | | |
| | | Chemical Analysis Ma | ide: No | | |
| | Did the driller kno | owingly penetrate any strata wh contained injurious constituen | ich ts?: No | | |
| Certification Data: | driller's direct supervision correct. The driller under | the driller drilled this well (or the m) and that each and all of the erstood that failure to complete ned for completion and resubm | statements her the required ite | ein are true and | |
| Company Information: | Associated Services | | | | |
| | PO Box 16 Stephenville, TX 764 | 101 | | | |
| Driller Name: | Josh Aardal | Licer | nse Number: | 55033 | |
| Comments: | ^EAD | | | | |
| | | | | | |

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Bottom (ft.) Description Top (ft.) sand and topsoil 0 1 yellow red clay, sandy clay 45 1 and sand layers grey clay, shale and 45 170 limestone red blue grey clay, sandy clay 225 170 and streaks of sand sand and small gravel 245 225 blue sandy clay, clay and 250 245 streaks of sand sand, streaks of sandstone 250 305 and blue sandy clay blue red clay and sandy clay 310 305 sand and small gravel 310 315 blue sandy clay, sandstone 330 315 and sand layers red blue clay 335 330 sand, tiny gravel, streaks of 335 365 sandy clay and sandstone red blue clay and sandstone 375 365 386 sand and small gravel 375 yellow brown clay and shale 396 386

Casing: BLANK PIPE & WELL SCREEN DATA

| Dia | n. (in.) | New/Used | Туре | Setting From/To (ft.) |
|-----|----------|-----------|--------|-----------------------|
| 4" | New | Blank PVC | 0'-276 | 5' SDR 17 |
| 4" | New | Blank PVC | 276'-3 | 396' SDR 17 |
| | | | | |

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation P.O. Box 12157 Austin, TX 78711 (512) 334-5540

Near house

groundwater

Texas Water Development Board

GWDB Reports and Downloads

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 31-46-904

Well Basic Details

Scanned Documents

| 3146904 | Well Type | Withdrawal of Water |
|------------------------------|---|---|
| Erath | Well Use | |
| Brazos | Water Level Observation | None |
| 8 | Water Quality Available | No |
| G - Brazos G | Pump , | |
| Middle Trinity GCD | Pump Depth (feet below land surface) | |
| 32.283889 | | |
| 32° 17' 02" N | | |
| -98.280555 | | Dan Waggoner |
| 098° 16' 50" W | | Dan waggonei |
| +/- 5 Seconds | | |
| 218TWMT - Twin Mountains | Well Report Tracking Number | |
| | Plugging Report Tracking Number | |
| | U.S. Geological Survey Site | |
| 1413 | Texas Commission on | |
| Digital Elevation Model -DEM | | |
| 390 | District Well Number | |
| Unknown | Owner Well Number | |
| | Other Well Number | |
| 3/9/1973 | Previous State Well Number | |
| | Reporting Agency | |
| | Created Date | |
| | Last Update Date | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | Erath Brazos 8 G - Brazos G Middle Trinity GCD 32.283889 32° 17' 02" N -98.280555 098° 16' 50" W +/- 5 Seconds 218TWMT - Twin Mountains Formation Trinity 1413 Digital Elevation Model -DEM 390 Unknown | ErathWell UseBrazosWater Level Observation8Water Quality AvailableG - Brazos GPumpMiddle Trinity GCDPump Depth (feet below land surface)32.283889Power Type32° 17' 02" NSurface Completion-98.280555Owner098° 16' 50" WDriller+/- 5 SecondsOther Data Available218TWMT - Twin Mountains FormationWell Report Tracking NumberTrinityPlugging Report Tracking Number1413Texas Commission on Environmental Quality Source Id Groundwater Conservation District Well Number390Owner Well NumberJ/9/1973Previous State Well Number3/9/1973Previous State Well Number |

Annular Seal Range - No Data

Borehole - No Data

X

Filter Pack - No Data

Plugged Back - No Data

Packers - No Data

20

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| ×ττ | | | | | |
|---|---|---|--|---|---|
| Send original copy by certified mail to the fezas Water Development Board P. O. Box 12386 Austin, Tezas 78711 | State of WATER WELL | ал 19 21 11 0 г. Л. н 11 г. н 11 г. н | | For TWDB use Well No.34 Located on m Received: 1 | - 16 - 9N |
| 1) OWNER: DA Person having well drilled | N WACLONAR | Address(Street | or PED) | (City) | |
| Landowner WABGONAR, (Name) | | Address(Street | m | (City) | (State) |
| 2)LOCATION OF HELL: County_ERATH | ,mile | 10 (N.E., S.W., etc.) | direction from | | |
| Locate by sketch map showing landmarky hiver number, stc*+EVENVILL AEHVISSTEVENVILL BOS BUE RIVER BR GM M12 ISSTAKE 302 HOUSS ON LEFT GAT GATE LOUTED WELL (Use reverse side H nedessar) | P. CO ACROSS 1005 TAKEHWY3 5HWY1.5MILES 15ON RICHTO 15N MIDDLE OP | Give legal lock adjacent section B Labor Block Abstract No. | ation with distances ons or survey lines. | (Tow and directions f League Survey | |
| 3) TYPE OF WORK (Check): New Well Deepening | 4)PROPOSED USE (Check): Domestic Industr | | 5) TYPE OF WELL (Rotary | (Check): Driven | Dug |
| Reconditioning Plugging | Irrigation / Test W | Well Other | Cable | Jetted H | lored |
| ··· / | , | Depth of completed well | | . Date drilled | 3-9-73 |
| | ion and color of | 9) Casing: | | | |
| 0:5 TAD Sul | tion material | Type: 01d Cemented from | New Steel | Plastic ft. to | Other ft. |
| 15-70 Yellow | CIDY | Diameter | Setting | 10, 00 | IC. |
| 70-77 Spad | | (inches) | From (ft.) | To (ft.) | Gage |
| 12-165 Blue SH | Jos Play | 1031" | 0 - | 390 | 188 |
| 165-182 Line Ro | ek | | | | |
| 182-255 Blue St. | le > Clad | 10) SCREEN: | - | | |
| 255-227 Sund & C | PAUD / | Туре | | | |
| 277-282 6 10.1 | <u>enven</u> | Perforated | | Slotted | |
| 202-312 8. 156 | RAVEL | Diameter | Setting | | Slot |
| 512-357 Q. 1 m. | | (inches) | From (ft.) | To (ft.) | Size, |
| 252-372 SALLS 0 | à a u a l | 10 RIDALK | ON BOTT | - A A | 24 |
| | PADE | DEANA | UN BUTT | | and an |
| (Use reverse side if new 7) COMPLETION (Check): | lessary) | 11) WELL TESTS: | | 8 | |
| Straight wall Gravel packed | Other | Was a pump test | made? Yes | HESTER I | y whom? |
| Under reamed Open Hole | | Yield: <u>310</u> | gpm with 372 | | the second second |
| 8) WATER LEVEL: 00 ft. below land | surface Date | Bailer test | gpm with | ft.drawdown afte | rhrs. |
| Artesian pressurelbs. per squa | are inch Date | Artesian flow | gpm | | |
| Depth to pump bowls, cylinder, jet, a | etc., <u>386</u> ft. | Temperature of a | rater 64 | 3 | C. A. S. C. S. C. |
| below land surface. | | 12) WATER QUALITY: Was a chemical a | unalysis made? | Yes No | |
| 1 | | | contain undesirable w | | NS |
| - * a | | Type of water? | | oth of strate | ** . |
| RAME A. L. Hester | tify that this well was drille of the statements herein are O Wa | d by me (or under my s true to the best of my ster Well Drillers Regi | knowledge and balis | 669 | |
| (Type or Print) ADDRESS 404 CAMC (Street or RFD) | len Du | blin | | Texas (State) | 1 8 200 |
| (Signed) A. H. Starter (Water Well Drill) | Ler) | He | (Company Name) | ling | 1 |
| Please attach electric log, chemical and | slysis, and other pertinent in | formation, if availabl | .JP31. | -46-9 | 04 |
| *Additional instructions on reverse side | ¢. | | | | |
| TWDBE-GW-53 | | | | | 61 |

2)LOCATION OF WELLS 2)LOCATION OF WELL:] The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Bighway Map of the county in which the well is located. Reference points from which distances are measured and directions given should be of a permenent nature (e.g. highway interfections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should elways be indicated. town should always be indicated. ______ Information furnished in Section 2) of the TWDBE-CH-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced. 372 - 380 - SAND & CRAVE! 380 - 390 - CLAY 11.5 MILLS 4.0 10 2010 011. 4 6.1 13 b10 16-14 N. 194 0.2 メロリション 1477 247 1201 1478 - 147 52 landade de Colorano in, 7.0752 001 1417:---____urvt E : F = I1.6 distant. 5. 13221 ليبديه بالأخريكية والمسينية 255 14 14 1 23 5 1.6 13.64 The Car 2 4.10 .4 1 APR 41974 Type of Control Reports Toxas Mater Developpent Board 67 DEVELOPMENT BOARD Wild w 2 ad N. Carne Pra the stee 1 TPECEINE OUT ECEINE 31-46-904

1

| T | E | x | A | S | W | A | T | Ε | R | D | E | ۷ | Е | L | 0 | P | M | E | N | T | В | 0 | A | R | D | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

WELL SCHEDULE

۶ (

| | Aquifer TRAUS Peak Field No. | State Wel | 1 No.3144 | 2-901 | 4 |
|-----|---|----------------|--|----------------|---------------|
| | Owner's Well No. | | Elath | | + |
| | | - A | - bor to be been been and and and and and and and and and an | | |
| 1. | Location:1/4,1/4 Sec, Block Survey | | | | T |
| | | | | | |
| 2. | Owner: DAN WA99ONAR Address: | | | | |
| | Tenent: | | | <u> </u> | |
| | Driller: He Stell DRIII Ag Address: 604 A Control Elevation of 18 / 428 ft. above mal, determined | len, aus | lin, Texas | +- | +-+ |
| 3. | Elevation of is 428 ft. above mal, determined | m_Tapo | 2 | | |
| 4. | Drilled: 19 / _; Dug, Cable Tool Rotary | · · · · · | CASING & BLAN | | |
| 5. | Depth: Rept. 390 ft. Measft. | Cemented | From ft. | . to | ft. |
| 6. | Completion: Open Hole, Streight Wall, Underreamed, Gravel Packed | Diam. (in.) | Туре | Settin from | ig, ft. to |
| 7. | Pump: Mfgr. RADOLPH Type TURBINE | 143 | 1 1 | 2 | |
| | No. Stages, Bowls Diamin., Setting 380_ft. | 1014 | Steel | 0 | 370 |
| | Column Diamin., Length Tailpipeft. | / | | | |
| 8. | Motor: Fuel GAS Nake & Model HP, YO | | | | |
| 9. | Yield: Flowgpm, Pump 310 gpm, Mees., Rept., Est. By ORINGR | | | | |
| 10, | Performance Test: DateLength of Test Made by | | | | |
| | Static Levelft. Pumping Levelft. Drawdownft. | | | | |
| | Productiongpm Specific Capacitygpm/ft. | | | | |
| 11. | Water Level: 200, Ort. Opt 3-9 1973 above 450 - By DRI//ele | 7 | which is | ft. ab | ove surface. |
| | UTMft. rept. 4-15_1924 above | | | | |
| | ft. rept. 19 above | | | et. ab | OVB surface |
| | ft, rept. 19 above meas below | | | | |
| 12. | Use: Dom., Stock, Public Supply, Ind. (Irr), Waterflooding, Observation, Not Used, | | | | Low |
| | Quality: (Remarks on taste, odor, color, etc.) | | | | |
| | Temp °F, Date sampled for analysisLeboratory | | | | |
| | Temp °F, Date sampled for analysisLaboratory | | n Openings | the | |
| | Temp *F, Date sampled for analysisLaboratory | Diam. (in.) | Туре | Setting | g, ft. to |
| 1). | Other data available as circled: @riller's Log, Radiosctivity Log, Electric Log, | | | | |
| | Formation Semples, Pumping Test, | 1074 | Steel | 255 | 380 |
| 15. | Record by: GRAVE DAVIS Date 4-15 1974 | | | | |
| | Source of Date DL; WWR | | | | |
| 16. | Remarks: | | | | [] |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

BACK (Sketch)

31-46-904