

County: Clarke
 Permit #: 16919
 Driller: Donald Smith Co. Inc
 Date drilling completed: 8-1-12

State Well Report
Part 1 - Driller's Log
 Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 2309
 Jackson, MS 39225
 (601)961- 5210
 (601)961- 5228 (fax)

For Office Use Only:
 Aquifer: _____
 Well #: K0011
 L. S. Elevation: _____
 E-log #: _____

State Law requires that this report be prepared by the license holder responsible for the work and filed with the Department at the above address within 30 days of completion of drilling of the well or borehole.

Information on Well Owner <i>(Landowner if borehole is not for a water well)</i>	Well or Borehole Location
Owner Name: <u>East Quitman Water Assn.</u>	Latitude: <u>32° 05' 21" N</u> Longitude: <u>88° 29' 28" W</u>
Mailing Address: <u>962 County Rd 670</u> <u>Quitman MS</u> <u>39355</u>	Method of Lat/Long (circle one): <u>Conventional Survey</u> USGS quad, Hand-held GPS, Survey-grade GPS
City: _____ State: _____ Zip Code: _____	<u>1/4</u> <u>1/4</u> Sec <u>19</u> Twn <u>3N</u> Rng <u>18E</u>
Telephone No. () _____	Distance: <u>12</u> Miles Direction: <u>W</u> of Nearest Town: <u>Quitman MS</u>

Well / Borehole Data

Date drilling started: _____ Date drilling completed: 8-1-12 Hole depth: 1410 Hole diameter: 9 7/8

Location of the source of any surface water used for drilling: public water supply

Method of dosing and volume of Chlorine used in drilling and development: _____

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____

Name of organization running log(s): _____

Purpose of borehole (check one): Water Well Geotechnical/Geological Investigation _____ Ground Source Heat Pump _____
 Seismic Survey _____ Other (describe) _____

If drilling is not related to water well construction, skip the remainder of this block

Purpose of Well (check one): Home _____ Industrial _____ Public Supply Irrigation _____ Fish Culture _____ Other: _____

If a flowing well, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 249 feet above or below (circle one) land surface Date measured: 7-26-12

Method of Measurement (circle one) steel tape electric tape _____ air line _____ other: _____

Well depth: 1377 Well grouted to a depth of 0 feet Type of grout (circle one) Neat Cement Bentonite Mix

Casing length: 1265 feet Casing diameter: 12 inches Type of casing: steel

Screen length: 90 feet Screen diameter: 10 inches Type of screen: stainless

Screen slot size: .20 inches Setting depth: From 1270 feet to 1375 feet 15' blank

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development
 Other (describe): _____

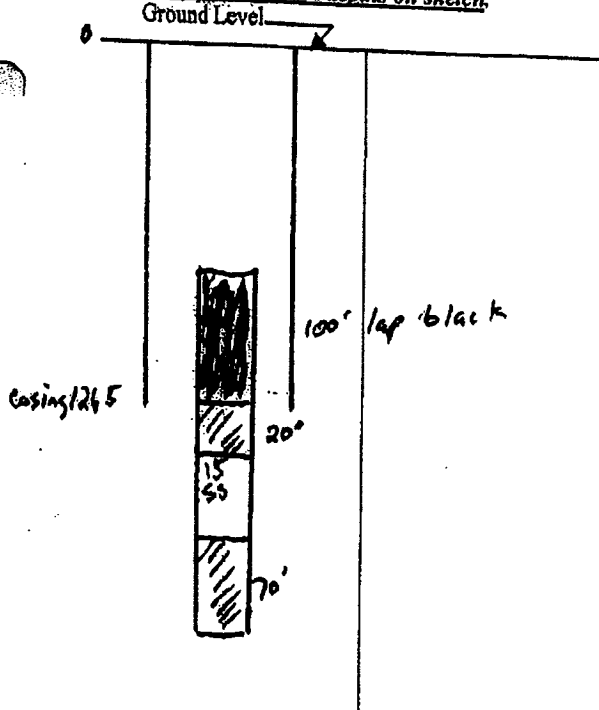
Top of lap pipe or reduction in casing: 1170 feet. *If telescoped or more than one screen, describe on next page*

Form: OLWR-SWR-1A (04/08)

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The sketch below only required for water wells

If well telescopes, show depths on sketch.

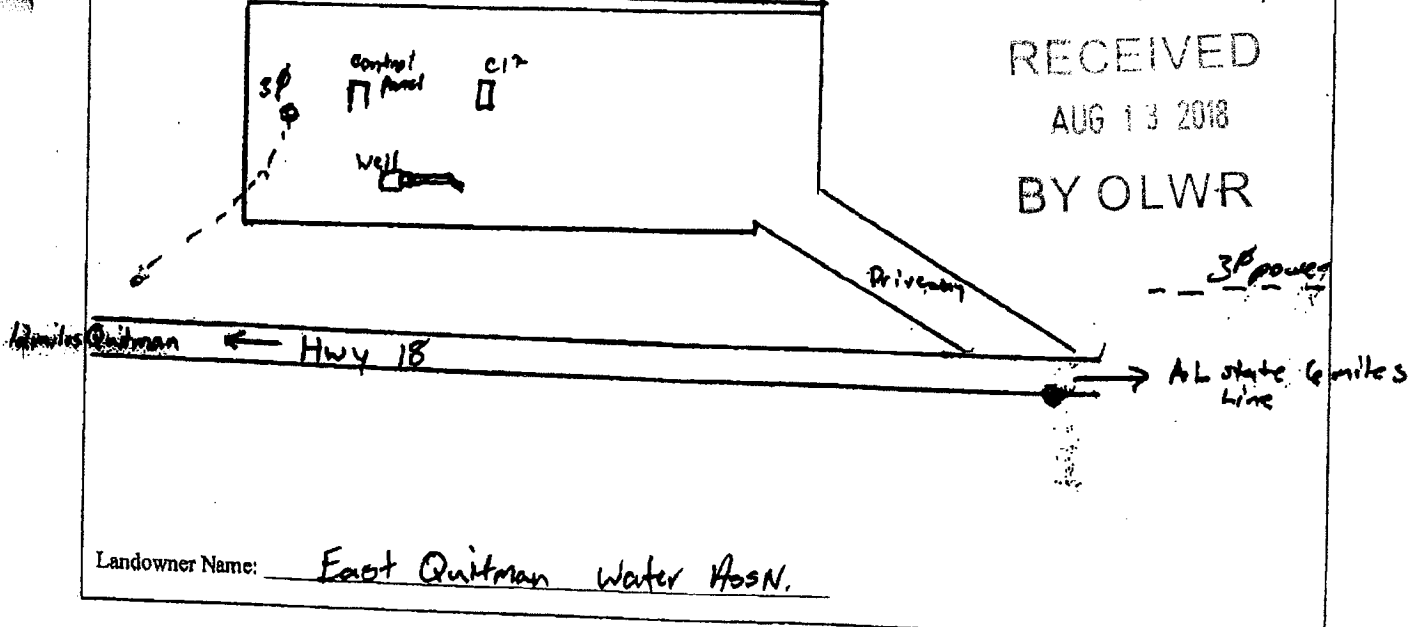


Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

Description of Formations Encountered	From (depth) To (depth)	
	Ground Level	

If more than one screen, show location of each on sketch

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) a north arrow.



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Landowner Name: East Quitman Water Assn.

Form: OLWR-SWR-1A (04/08)

I certify that the well/borehole was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations, if applicable, and state laws.

Ryan Herndon 0-700 8-6-12
Print Name of Responsible Licensee and License No. Date

[Signature]
Signature of Licensee

K0011 Clarke Co.

**EAST QUITMAN, MISSISSIPPI
WELL LOG
MARCH 7, 2012
Taken by: Wes Watson**

0' - 1'	SAND/TOPSOIL
1' - 20'	CLAY - SANDY RED
20' - 26'	CHALK - YELLOW MEDIUM/SOME PEAT
26' - 55'	SAND - TIGHT
55' - 64'	CHALK
64' - 84'	SAND - TIGHT/SOME CLAY
84' - 116'	CLAY TOUGH BLACK
116' - 131'	SAND/CLAY
131' - 132'	ROCK
132' - 145'	MARL/SANDY TIGHT
145' - 200'	MARL/ROCK STREAKS
200' - 270'	SAND CHOPPY/MARL TOUGH
270' - 285'	SAND
285' - 317'	MARL/SOFT STREAKS
317' - 329'	SAND
329' - 355'	MARL
355' - 360'	SAND
360' - 427'	MARL
427' - 442'	SAND
442' - 545'	MARL TOUGH STREAKS
545' - 548'	ROCK HARD - 45 MIN
548' - 675'	MARL
675' - 695'	SAND
695' - 706'	MARL/SOME SAND
706' - 768'	MARL/TOUGH SOFTER STREAK
768' - 771'	ROCK CHOPPY
771' - 772'	ROCK HARD
772' - 776'	MARL
776' - 782'	ROCK HARD
782' - 890'	MARL ROCK STREAKS
890' - 929'	MARL SOFT SAND STREAKS
929' - 979'	SAND MARL & SHELL
979' - 1170'	MARL TOUGH
1170' - 1204'	SAND/MARL/MEDIUM SOFT
1204' - 1219'	MARL
1219' - 1222'	ROCK HARD

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K0011 Clarke Co.

1222' - 1270'	MARL TOUGH
1270' - 1288'	SAND FEW STREAKS
1288' - 1301'	MARL
1301' - 1383'	SAND TIGHT SPOTS
1383' - 1388'	MARL TOUGH
1388' - 1393'	SAND MARL STREAKS
1393' - 1418'	MARL TOUGH CHOPPY ROCK

1270 Screen
1290 Screen
1305 Screen
1375 Screen

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County: Clarke
 Permit #: 16919
 Driller: Donald Smith Co.
 Date completed: 8-1-12
 Copy information from block on Part 1

STATE WELL REPORT

Part 2

Pump Installer's Completion Report
 Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 2309
 Jackson, MS 39225
 (601)961-5210
 (601)961-5228 (fax)

For Office Use Only:
 Aquifer: _____
 Well #: K0011
 Elevation: _____

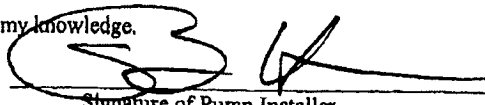
This part of the report must be completed by a licensed water well contractor or a licensed pump installer. A copy of Part 1 of the report must be attached and both parts filed with the Department at the above address within 30 days of well completion.

Well Owner Information	Well Location
Owner Name: <u>East Quitman Water Assn</u>	Latitude: <u>32 05 21N</u> Longitude: <u>88 27 28W</u>
Mailing Address: <u>962 County Rd 670</u>	Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____ _____ 1/4 _____ 1/4 Sec <u>17</u> T <u>3N</u> R <u>18E</u>
<u>Quitman</u> <u>MS</u> <u>39355</u> City State Zip Code	Distance _____ Direction _____ Nearest Town _____ <u>12</u> Miles <u>N</u> of <u>Quitman MS</u>
Telephone No. () _____	

Pump Type	Power Type
Circle one Air Lift <input type="checkbox"/> Jet <input type="checkbox"/> <input checked="" type="checkbox"/> Submersible Bucket <input type="checkbox"/> Piston <input type="checkbox"/> Turbine <input type="checkbox"/> Centrifugal <input type="checkbox"/> Rotary <input type="checkbox"/> Flowing Well <input type="checkbox"/> Other (specify): _____	Circle one Diesel Engine <input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Natural Gas <input type="checkbox"/> <input checked="" type="checkbox"/> Electric Motor <input type="checkbox"/> Hand <input type="checkbox"/> Tractor PTO Windmill <input type="checkbox"/> Other (specify): _____
Date Pump Installed: <u>7-25-12</u>	Horse Power Rating of Motor: <u>100</u>
Rated Pump Capacity: <u>629</u> Gallons Per Minute	Setting Depth: <u>420</u> feet
	Number of Stages: <u>3</u>

Pump Test Data	Method of Measuring Water Level
Date Well Tested: <u>7-26-12</u>	Circle one Air Line <input type="checkbox"/> <input checked="" type="checkbox"/> Electric Measuring Line <input type="checkbox"/> Steel Tape
Static Water Level (A): <u>249</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>345</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B)-(A)]: <u>96</u> Feet Below Land Surface	Well yielded <u>629</u> GPM with a drawdown of
Test Pumping Rate: <u>629</u> Gallons Per Minute	<u>96</u> feet after <u>4</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	

This is for (circle one): **New Well** Replacement of Existing Pump Repair of Existing Pump

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.
Bryan Herndon 0-700
 Print Name of Pump Installer and License No. (if applicable) 
Signature of Pump Installer

Form: OLWR-SWR-1C (07-09)

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Donald Smith

NEW INSTALLATION

Company, Inc.

126 Interstate Drive - Richland, MS 39218 - Phone: (601) 932-4511

PROJECT East Quitman DRILLER Wes Watson JOB # _____
 LOCATION Clarke Co. DATE COMPLETED 8-1-12 TEST HOLE 1410 FT.
 ENGINEER Ford Engineering Inc

WELL DATA

Well Depth 1377 ft.

CASING Size 12 in. Material Black .375 API Grade B
 Length 1265 ft. Coating 12 mils epoxy ID

CEMENT Grout Type neat No. of Sacks _____

LAP PIPE Size 8 in. Material Black API Grade B coated ID
 Length 100 ft. Type of Seal Bronze back wash valve

SCREEN Size 8 in. Brand Johnson well screen
 Length 90 ft. Material SS wire wrap screen Slot size .20
 Backwash Valve 15" Black 1290-1305 Material Bronze

GRAVEL PACK Cubic Yards 12.8

HYDRAULICS Static Water Level 249 ft. Size of Underreamed Hole 24 in.
 Drawdown 96 ft. Pumping Water Level 345 ft.
 Total Dynamic Head 465 ft. Specific Capacity 6.5 gal./ft.
 Capacity 629 GPM

CHLORINATOR Not included

PUMP DATA

DISCHARGE HEAD Submersible Oil Lube _____ Water Lube _____
 Solenoid NA Volts _____ Discharge 6 in.

COLUMN Size 6 in. Material Black TEC Coating yes 100
 Length 420 ft. Oil Lube NA in. Shafting NA in.

BOWL ASSEMBLY Make American Turbine Serial No. 106 20-3 Stages 3
 Diameter 10 in. Material Cast iron
 Suction Size 8 in. Length NA ft.
 Air Line Length 420 ft. Material stainless steel

ELECTRIC MOTOR DATA

MOTOR Vertical Hollow Shaft 100 HP 3600 RPM 3 Phase
 Model / Make Franklin 460 Volts 60 Cycles
 Base Diameter 8 in. Ratchet NA Self releasing NA Non reverse
 Other Submersible

CONTROL PANEL DATA

STARTER Size & Make Not included HEATER Size & Make _____
 Breaker _____ Volts _____ Phase _____ Delta Service _____ Fuse _____
 _____ Volts _____ Phase _____ Delta Service _____ Open _____ Closed

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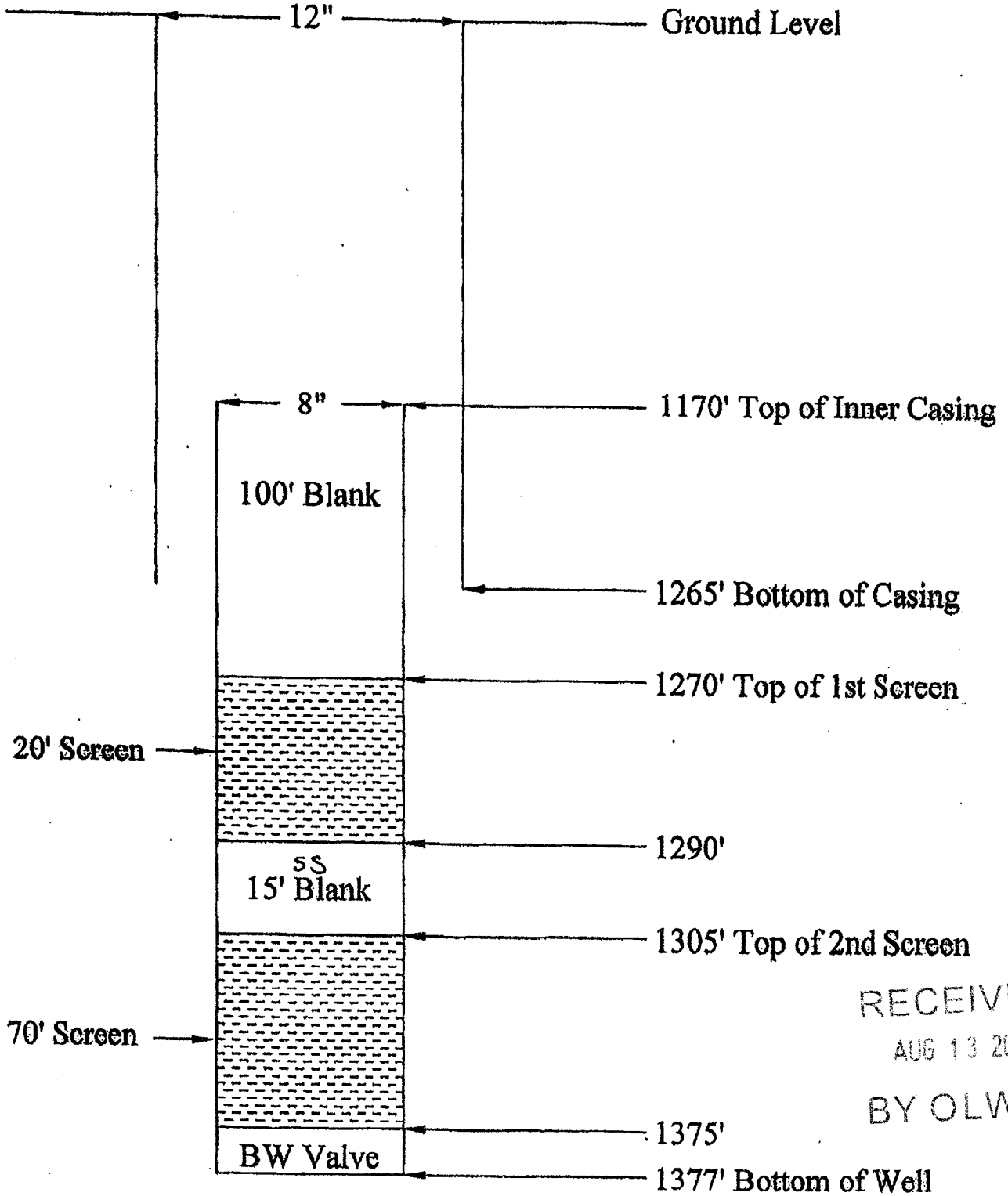
East Quitman Water Association #4

12x8 Gravel Packed Well

Provided By:

Donald Smith Co. Inc.

March 21, 2012



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(SNELL)



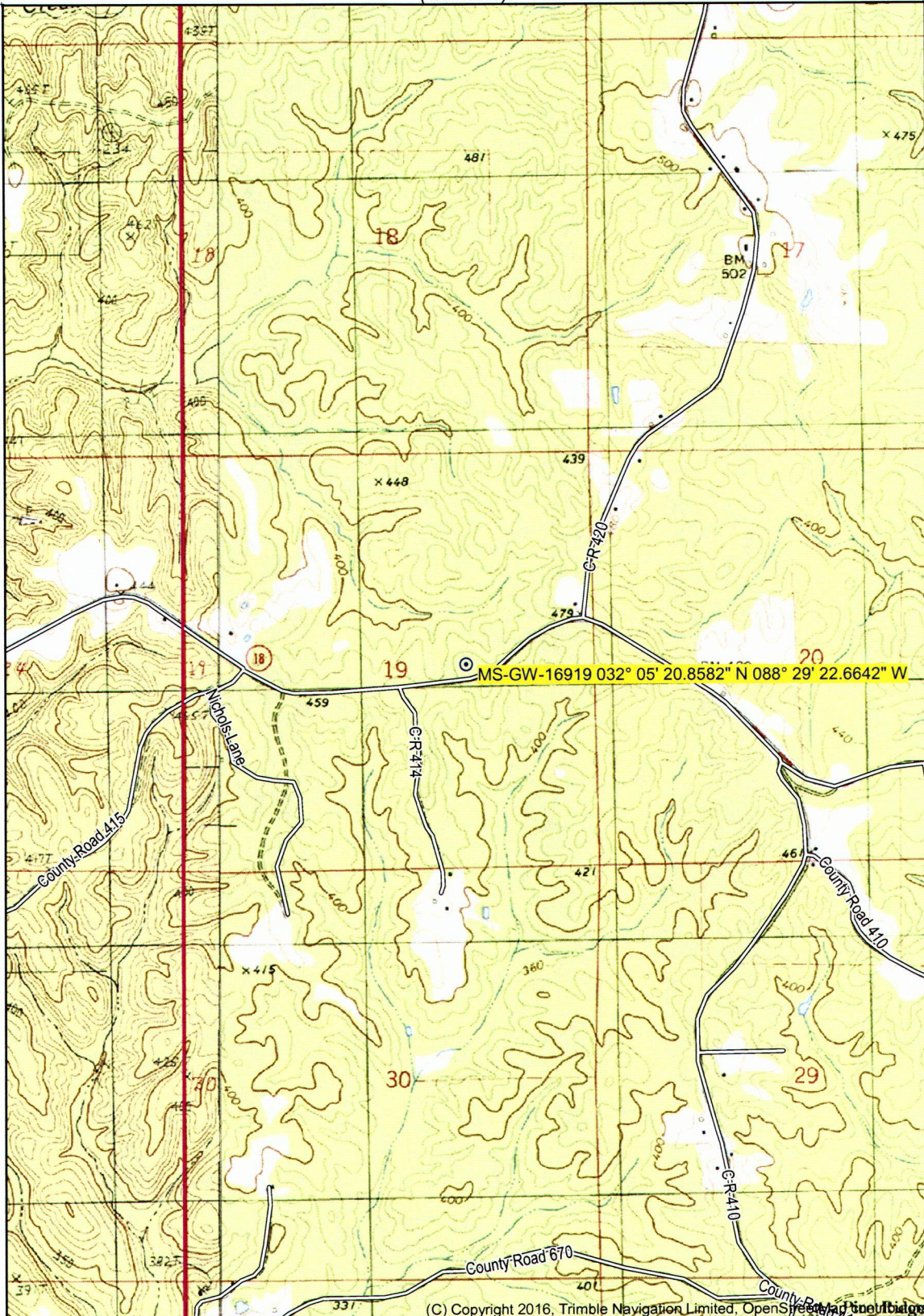
HINTON QUADRANGLE
MISSISSIPPI
TOPOGRAPHIC SERIES

(Outdoor Contour Map)

088° 30' 32.1709" W
032° 06' 44.8278" N

(YANTLEY)

088° 28' 12.5176" W
032° 06' 44.8278" N



(Outdoor Contour Map)

(SYKES)

(C) Copyright 2016, Trimble Navigation Limited, OpenStreetMap contributors

032° 03' 57.2252" N
088° 30' 32.1709" W

Printed: Tue Jul 31, 2018
088° 28' 12.5176" W
032° 03' 57.2252" N

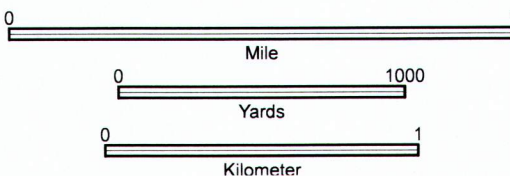
(CARMICHAEL)

Declination



GN 0.79° W
MN 2.11° W

SCALE 1:24000



CONTOUR INTERVAL 20 FT

(Outdoor Contour Map)

Produced by Trimble Terrain Navigator Pro
Topography based on USGS 1:24,000
Maps

North American 1983 Datum (NAD83)

To place on the predicted North American
1927 move the projection lines 16M N and
3M W

32088-A4-TM-024
HINTON, MS
JAN 1, 1974