

January 13, 2015

The City of Chandler City Council met for a regular scheduled meeting Tuesday, January 13, 2015 at Chandler City Hall. Meeting was called to order at 6:00 p.m. by Ann Hall, Mayor.

Members Present: Ann Hall
Gene Giger
Barbara Reeves
Marshall Crawford, Jr.
Janeice Lunsford

Absent: Don Daniell

Citizens Forum: Jarett Stephenson with Creekside Sports spoke to the Council concerning opening a Kayak & Canoe Rental service on the Neches River.

REGULAR SESSION:

Item 1. Gene Giger made a motion to approve awarding administrative services for the HOME HRA program to Resource Management and Consulting. Janeice Lunsford seconded the motion. Motion carried unanimously.

Item 2. Gene Giger made a motion to approve the Engineers recommendation (attached) for the production of water well #7. Barbara Reeves seconded the motion. Motion carried unanimously.

Item 3. Janeice Lunsford made a motion to authorize the purchase of the site for Water Well #7 in the amount of \$15,000.00. Marshall Crawford, Jr. seconded the motion. Motion carried unanimously.

Item 4. Barbara Reeves made a motion to approve contracting with Henderson County for the May 9, 2015 General Election. Janeice Lunsford seconded the motion. Motion carried unanimously.

Item 5. Gene Giger made a motion to appoint Bill Bass to the Economic Development Board. Barbara Reeves seconded the motion. Motion carried unanimously.

Item 7. Janeice Lunsford made a motion to approve the consent agenda as presented. Gene Giger seconded the motion. Motion carried unanimously.

Meeting adjourned at 6:29pm

Ann Hall, Mayor

Shirley Parmer, City Secretary



Everett Griffith, Jr. & Associates Inc.
ENGINEERS • SURVEYORS

January 12, 2015

Mr. John Taylor, City Administrator
City of Chandler
P.O. Box 425
Chandler, Texas 75758-0425

RE: City of Chandler
Water Well No. 7
Recommendation of Well Material Settings

Dear John:

I have received Wanda Drilling and Water Development's recommendation for constructing Well No. 7 (attached). I generally concur with Mr. Key's recommendation.

With the City of Chandler's approval, I intend to issue the following details to Mr. Key for construction of the well:

Total Well Depth: 1184 feet

Casing: 10 3/4" O.D., 0.375" wall thickness from 0 to 1107 feet.

Underream: 16" diameter minimum. Contractor may underream 18" diameter at his option. Underream from 1107 to 1184 feet.

Blank Liner: 6 5/8" O.D.

From 1174 to 1184 feet (10' length)

From 1007 to 1112 feet (105' length)

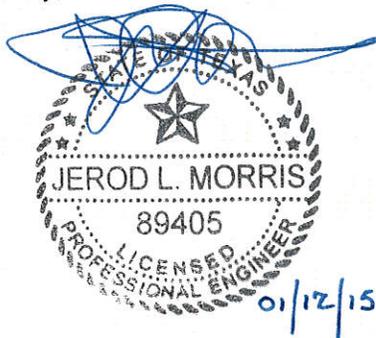
Screen: 6 5/8" O.D. from 1112 to 1174 feet (62' length), 0.20 screen gauge.

Screen to be pipe-based

Gravel Pack: 12-20 guage

If you have any questions, please let me know.

Sincerely,



408 North Third Street
P.O. Box 1746
Lufkin, Texas 75902-1746
936/634-5528 • FAX # 936/634-7989
admin@everettgriffith.com

Texas Engineering Firm No. F-1156
Texas Surveying Firm No. 100291-00

Wanda Drilling and
Water Development, Inc.
19566 N. U.S. Hwy 59
Garrison, TX 75946
(936) 564-6684

**City of Chandler WSC
Hydrologist Report: Water Well #7
Test Well Data Review**

Test Well

A 7 7/8" test well was drilled from 0' to 1,240'. Sand analysis was collected and bagged. The sand samples were sent to Alloy Machine Works, Inc. A complete sand sieve analysis was completed on the samples caught and the results indicated that the best sand for water well production would be from 1,112' to 1,174' using 0.020 slot screen and 12-20 gravel (.066 - 0331).

Test Well Results

Wanda Drilling and Water Development, Inc. set 4" casing in test well to 1,112 feet. Sixty (60') feet of 4' screen with slot size 0.020 was set from 1,112' to 1,174' and then gravel packed with 12-20 gravel. Water well was jetted for five hours with air at 560', jetting 70 gpm (gallons per minute). Well became clear within four hours. A 7 1/2 hp 40gpm Grunfos pump was installed at a depth of 588' to begin the pumping test. The static water level is 418' before pumping test began.

After pumping the well for 24 hours, well was staying consistent at 48 gpm. The well drawdown was 60'. After the completion of 24 hour pump test, the well recovered back to the static water level of 418' within two hours. Water samples were taken and sent to Ana-Lab in Kilgore, Texas. The water analysis results revealed that the water satisfies the requirements of the Drinking Water Standards of the Department of Health, Education and Welfare and that of the Texas State Board of Health.

Conclusion

I, John Key, suggest to drill a 15" hole, then case the hole with 10 3/4" o.d. 0375 wall steel casing and pressure cement in place from surface to 1,112'. Then under ream from 1,112' to 1,174'. Set 6" 0.20 stainless steel screen from 1,112' to 1,174' and gravel pack with 12-20 gauge gravel. After well development, install a 40 Hp 230S400-13 Grunfos all stainless steel pump to pump 220 gpm at 600' of head.

Sincerely,



Johnny W. Key – President
Water Well License #1606CMWI

"The Water Master"