General GW - Well construction

Young, John, NMENV

From: Mark Everett [meverett@lanl.gov]
Sent: Tuesday, July 10, 2007 3:18 PM
To: Young, John, NMENV
Cc: 'Steve Pearson'; asimmons@lanl.gov; 'Danny Katzman'
Subject: Pipe-based screen specifications
Attachments: pipe-based screen specs.pdf

John,

As we discussed, here are the specifications for the pipe-based screens that we have used in some of the R-wells. All of the screens we have used since the Hydrogeologic Workplan drilling began have been built by Johnson Well Screens (Weatherford now owns Johnson). Please let me know if you have further questions on the screens we have used.

Thanks,

Mark Everett, PG
Drilling Project Lead
EP-WSP
LANL
(505) 667-5931 (o)
(505) 231-6002 (c)

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May 8, 2002

Mike Daniels
Johnson Screens
14309 Sommermeyer Road
Houston, TX 77041

COPY

Dear Mike:

This letter summarizes the pipe base screen requirements that we discussed some weeks ago for Washington Group International, Inc. (WGI) and Los Alamos National Laboratory. I tried phoning you today (May 8th) and got your message that you are out of the office for the day and, since I will be traveling for the next couple weeks, I wanted to get this letter of confirmation enroute to you. I will contact you by phone when you are back in the office to finalize the details of the design.

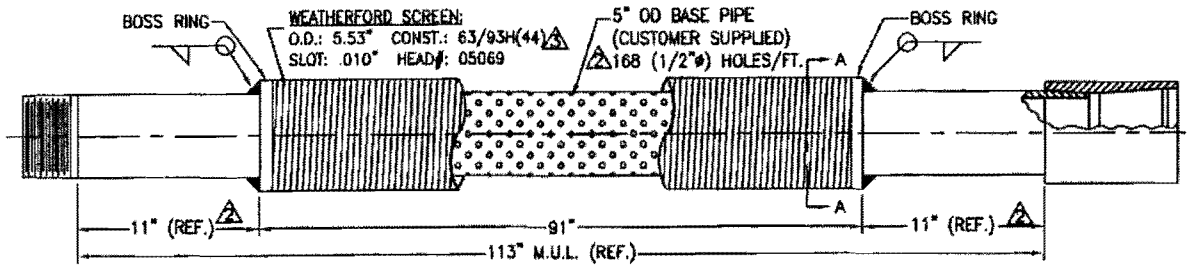
As we discussed previously, the new drill pattern for the base pipe should have 14 staggered rows of half-inch holes, with 12 holes in each row per lineal foot of pipe. This design maximizes the number of holes drilled in the base pipe while maintaining an *even* number of rows. This results in 168 holes per lineal foot of pipe.

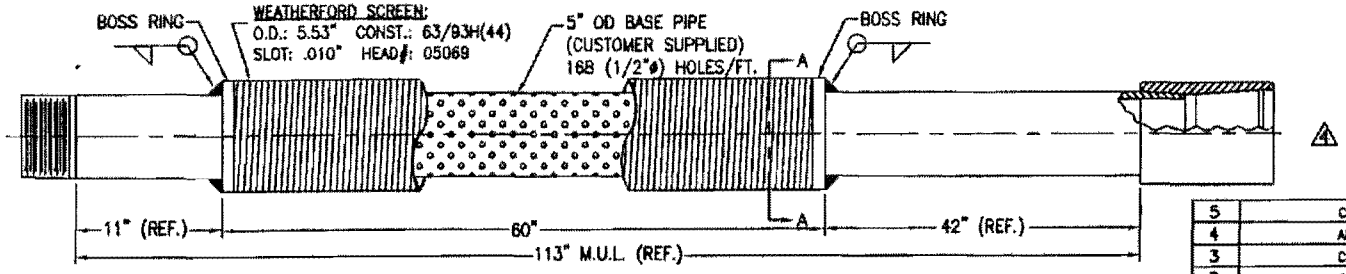
WGI will need an updated drawing from you reflecting the new pipe base screen design. The new drawing should show the new number of 168 holes per foot, replacing 84 holes per foot shown on the original drawing. Two other changes on the drawing are needed as well. The old drawing shows 12 inches of blank length between the threads and the boss ring on each end of the assembly. This should be updated to 11 inches to match the actual construction. Finally, the old drawing shows 44 vertical rods in the screen jacket. This should be updated to match the actual construction, which I believe is 36 rods. (Any number of rods in this range is acceptable, as long as the drawing matches the product.)

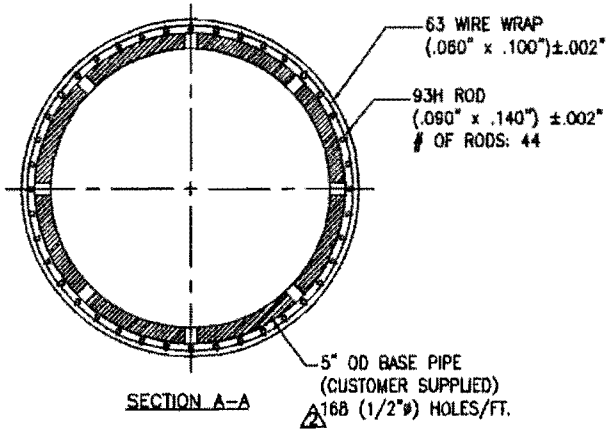
Mike, if you have any questions about this, please call me or Mark Everett at WGI. Thanks for all the help.

Very Truly Yours,

David C. Schafer
President







SECTION A–A

NOTES:
1.) MATERIAL: 304 SS
2.) NO WELD SPLATTER.
3.) REMOVE ALL BURRS & SHARP EDGES.
4.) O.A.L.: 120" ON BOTH JOINTS.

REV.	DESCRIPTION	BY	DATE	APPR
5	CHG. M.U.L. & ADD O.A.L.	W.O.	07/26/02	N.T.
4	ADDED JOINT W/ 48" (REF.)	W.O.	07/19/02	N.T.
3	CHANGED RIB SIZE WAS 93	E.H.	06/19/02	E.H.
2	CHANGED # OF HOLES,BLANK LENGTH	W.O.	04/30/02	E.H.
1	CHANGED # OF HOLES	W.O.	04/30/02	E.H.

REVISION

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WORK TO DIMENSIONS

LINEAR DIMENSIONS ARE INCHES

THIRD ANGLE PROJECTION

TOLERANCES (UNLESS OTHERWISE SPECIFIED)

FABRICATION		MACHINING	
0–60 incl.	± .12	2–PLACES	± .05
60–120 incl.	± .25	3–PLACES	± .025
OVER 120	± .50		
ANGLES	± .5°		

125 MAXIMUM ROUGHNESS HEIGHT ON MACHINED SURFACES

5" OD SUPERWELD (SW) 63/93H

Weatherford Well Screens™
Houston, Texas

DRAWN W. OSUNA	DATE 17 MAY 01	REF JDE# 125480, 131014	
CHECKED N. TAING	DATE 30 APR 02	SHEET 1 OF 1	
DESIGN ENG. L.J. DeAnda	DATE 17 MAY 01	DWG NO. A-VB-00041	REV 5
PROD. ENG.	DATE		

CAD CAM N/A

CAD N/A A-VB-00041 REV. 5

W:\ACAD\DATA\WESCO\OILFIELD\VB-00041.DWG