



P. O. BOX 793
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 25063

Formation Miss Elevation 1604 DF Eff. Pay _____ Ft.

District Augusta Date 3-16-76 Customer Order No. _____

COMPANY NAME E. H. Woods

ADDRESS 200 E. 1st St. Wichita Kansas

LEASE AND WELL NO. Rosenbury #3 COUNTY Harper STATE Kans Sec. 34 Twp. 31S Rge. 9W

Mail Inv. To Same Co. Name _____ Address _____ No. Copies Requested _____

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 1 O.K. ☒ Misrun ☒ Interval Tested From 4403 to 4411 Total Depth 4411

Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No

Top Packer Depth 4398 Ft. Size 6 3/4 Bottom Packer Depth 4403 Ft. Size 6 3/4

Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 5' 200 Tool Joint Size 4 1/2 FH Anchor Length 8 Ft. Size 5' 600 Surface Choke Size 1 1/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4406 Ft. Clock No. 6866 Depth 4408 Ft. Clock No. 6896

Top Make Kuster Cap. 4500 No. 3085 Inside _____ Outside _____ Bottom Make Kuster Cap. 4400 No. 2603 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 6:28 AM

Tool Open I.F.P. From 6:30 M. to 7:00 M. — Hr. 30 Min. From (B) 203220 P.S.I. To (C) 191201 P.S.I.

Tool Closed I.C.I.P. From 7:00 M. to 7:30 M. — Hr. 30 Min. (D) 1418 1425 P.S.I.

Tool Open F.F.P. From 7:30 M. to 9:00 M. — Hr. 90 Min. From (E) 203231 P.S.I. To (F) 227225 P.S.I.

Tool Closed F.C.I.P. From 9:00 M. to 10:00 AM — Hr. 60 Min. (G) 1407 1420 P.S.I.

Initial Hydrostatic Pressure (A) 2315 P.S.I. Final Hydrostatic Pressure (H) 2269 P.S.I. Maximum Temp. 120°

INFORMATION

BLOW Strong - gas surface 31 minutes
(see gas sheet)

Did Well Flow ☒ Yes — No Recovery Total Ft. 405' gas cut mud

Reversed Out ☒ Yes ☒ No Mud Type Stack Viscosity 41 Weight 9.8 Water Loss 22 cc. Chlorides 42,000

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____

Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where? _____

DRILLING CONTRACTOR D. Black Length Drill Pipe 4383 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars _____ ft. I.D. Drill Collars _____ In.

Tool Joint Size _____ In. Length D.S.T. Tool 28 ft.

Remarks _____

RECEIVED
MAR 19 1976
RECEIVED

INVOICE SECTION

Open Hole Test	\$ <u>255.00</u>
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ <u>150.00</u>
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>355.00</u>

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Lee Paulsen Western Representative Charles Branstetter

Signature of Customer or his
Authorized Representative

Operator's Time _____ Hrs.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 491

Date 3-16-76 Ticket 25063 Company E. H. Woods
Well Name and No. Densenburg #3 Dst No. 1 Interval Tested 4403-4411
County Harper State Kans Sec. 34 Twp. 31S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Prior Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
						<u>Tool open 6:30</u> PRE FLOW <u>Gas surface 31 min</u>
						<u>ICIP 7:00-7:30</u>

SECOND FLOW

<u>7:45</u>	<u>45</u>	<u>1/4" choke</u>	<u>9 Lbs</u>	<u>29,000</u>	<u>CFPD</u>
<u>8:00</u>	<u>60</u>	<u>" "</u>	<u>14 Lbs</u>	<u>37,600</u>	<u>"</u>
<u>8:15</u>	<u>75</u>	<u>" "</u>	<u>14 Lbs</u>	<u>37,600</u>	<u>"</u>
<u>8:30</u>	<u>90</u>	<u>" "</u>	<u>16 Lbs</u>	<u>40,900</u>	<u>"</u>
<u>8:45</u>	<u>105</u>	<u>" "</u>	<u>18 Lbs</u>	<u>43,900</u>	<u>"</u>
<u>9:00</u>	<u>120</u>	<u>" "</u>	<u>20 Lbs</u>	<u>47,100</u>	<u>"</u>

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME E. H. Woods Jr.
Authorized by Lee Paulsen

WESTERN TESTING CO., INC.

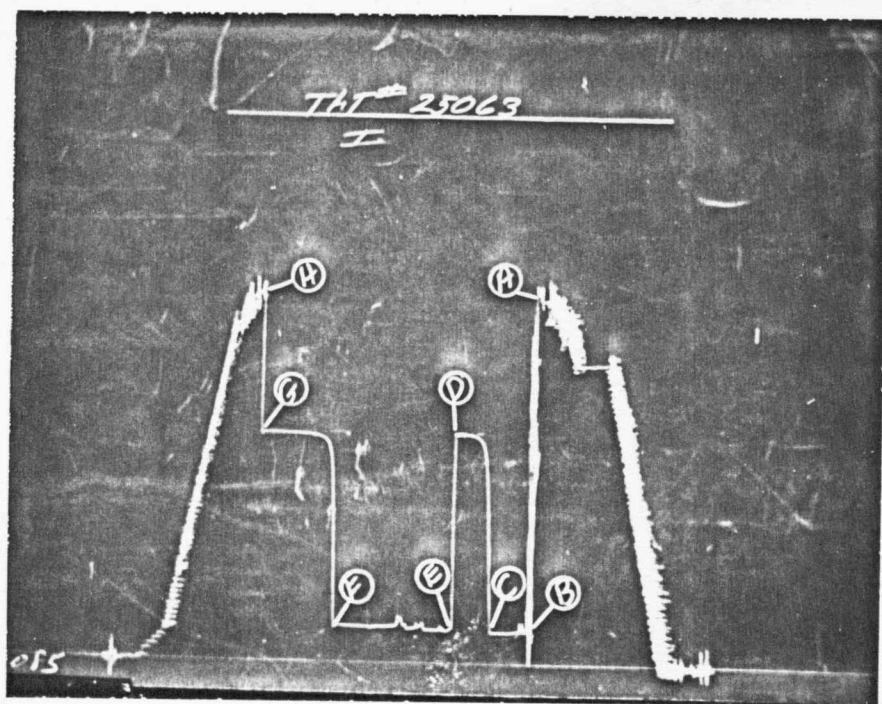
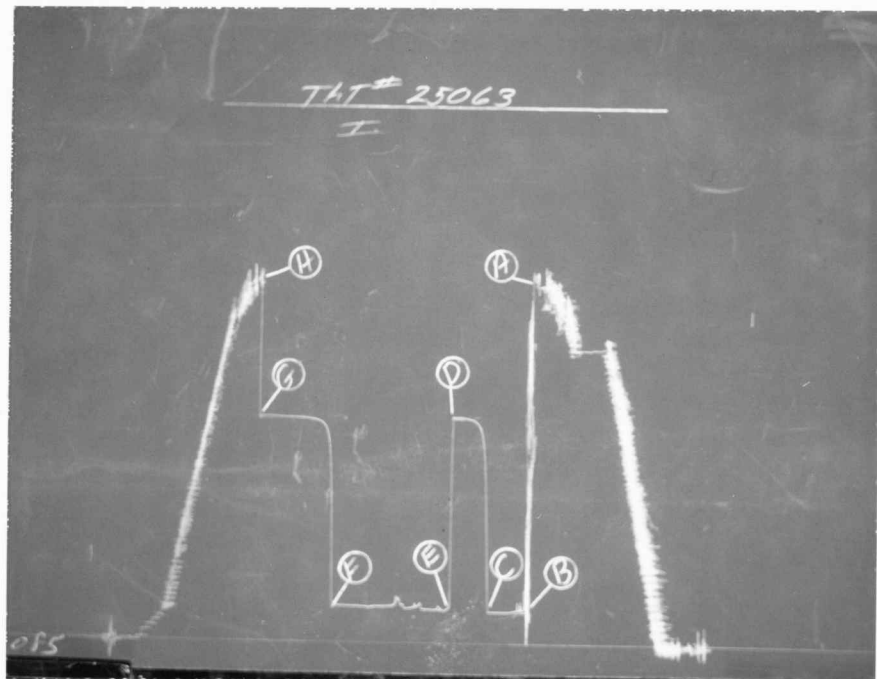
Pressure Data

Date 3-16-76 Recorder No. 3085 Capacity 4500 Test Ticket No. 250C3 Location 440C Ft.
Clock No. 6866 Elevation 1604 DF Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2283</u>	P.S.I.	<u>6:28 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>220</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>201</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1425</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>231</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>225</u>	P.S.I.		
G Final Closed-in Pressure	<u>1420</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2269</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>0</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>220</u>	<u>0</u>	<u>201</u>	<u>0</u>	<u>231</u>	<u>0</u>	<u>225</u>
P 2 <u>5</u>	<u>215</u>	<u>3</u>	<u>958</u>	<u>5</u>	<u>210</u>	<u>3</u>	<u>907</u>
P 3 <u>10</u>	<u>208</u>	<u>6</u>	<u>1338</u>	<u>10</u>	<u>214</u>	<u>6</u>	<u>1263</u>
P 4 <u>15</u>	<u>199</u>	<u>9</u>	<u>1354</u>	<u>15</u>	<u>213</u>	<u>9</u>	<u>1356</u>
P 5 <u>20</u>	<u>199</u>	<u>12</u>	<u>1391</u>	<u>20</u>	<u>215</u>	<u>12</u>	<u>1382</u>
P 6 <u>25</u>	<u>199</u>	<u>15</u>	<u>1407</u>	<u>25</u>	<u>233</u>	<u>15</u>	<u>1396</u>
P 7 <u>30</u>	<u>201</u>	<u>18</u>	<u>1415</u>	<u>30</u>	<u>222</u>	<u>18</u>	<u>1403</u>
P 8 <u>35</u>		<u>21</u>	<u>1420</u>	<u>35</u>	<u>220</u>	<u>21</u>	<u>1407</u>
P 9 <u>40</u>		<u>24</u>	<u>1422</u>	<u>40</u>	<u>268</u>	<u>24</u>	<u>1410</u>
P10 <u>45</u>		<u>27</u>	<u>1424</u>	<u>45</u>	<u>234</u>	<u>27</u>	<u>1412</u>
P11 <u>50</u>		<u>30</u>	<u>1425</u>	<u>50</u>	<u>232</u>	<u>30</u>	<u>1412</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>	<u>231</u>	<u>33</u>	<u>1413</u>
P13 <u>60</u>		<u>36</u>		<u>60</u>	<u>226</u>	<u>36</u>	<u>1413</u>
P14		<u>39</u>		<u>65</u>	<u>227</u>	<u>39</u>	<u>1414</u>
P15		<u>42</u>		<u>70</u>	<u>229</u>	<u>42</u>	<u>1414</u>
P16		<u>45</u>		<u>75</u>	<u>231</u>	<u>45</u>	<u>1416</u>
P17		<u>48</u>		<u>80</u>	<u>232</u>	<u>48</u>	<u>1417</u>
P18		<u>51</u>		<u>85</u>	<u>234</u>	<u>51</u>	<u>1418</u>
P19		<u>54</u>		<u>90</u>	<u>225</u>	<u>54</u>	<u>1419</u>
P20		<u>57</u>				<u>57</u>	<u>1420</u>
		<u>60</u>				<u>60</u>	<u>1420</u>





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company E.H. Woods Lease & Well No. Dusenbury #3
Elevation 1604 Derrick Floor Formation Mississippi Effective Pay - Ft. Ticket No. 25063
Date 3-16-76 Sec. 34 Twp. 31S Range 9W County Harper State Kansas
Test Approved by Lee Poulsen Western Representative Charles Branstetter
Formation Test No. 1 O.K. - Misrun - Interval Tested From 4403' to 4411' Total Depth 4411'
Size Main Hole 7 7/8 Bar Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 4398 Ft. Size 6 3/4 Bottom Packer Depth 4403 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 8 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4406 Ft. Clock No. 6866 Depth 4408 Ft. Clock No. 6896
Top Make Kuster Cap. 4500 No. 3085 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 6:28 A. M.
Tool Open I.F.P. From 6:30 A.M. to 7:00 A.M. - Hr. 30 Min. From (B) 220 P.S.I. To (C) 201 P.S.I.
Tool Closed I.C.I.P. From 7:00 A.M. to 7:30 A.M. - Hr. 30 Min (D) 1425 P.S.I.
Tool Open F.F.P. From 7:30 A.M. to 9:00 A.M. - Hr. 90 Min. From (E) 231 P.S.I. To (F) 225 P.S.I.
Tool Closed F.C.I.P. From 9:00 A.M. to 10:00 A.M. - Hr. 60 Min. (G) 1420 P.S.I.
Initial Hydrostatic Pressure (A) 2283 P.S.I. Final Hydrostatic Pressure (H) 2269 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 31 minutes, see attached sheet for gas measurements.

Did Well Flow X Yes - No Recovery Total Ft. 405' gas cut mud

Reversed Out - Yes X No Mud Type Starch Viscosity 41 Weight 9.8 Water Loss 22 cc. Chlorides 42,000 C.F.P.D.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR D.R. Lauck Oil Co., Inc. Length Drill Pipe? 4383 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 28 Ft.

Remarks:

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 3-16-76 Ticket 25063 Company E.H. Woods
Well Name and No. Dusenbury #3 Dst No. 1 Interval Tested 4403'-4411'
County Harper State Kansas Sec. 34 Twp. 31S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
---------------------------	--------------------------	---	------------------------------	------------------------------------	-------------------------------	---------------------

PRE FLOW

Gas to surface in 31 minutes.

SECOND FLOW

7:45AM	45 min.	9 PSIG	1/4" Choke		29,000 C.F.P.D.
8:00AM	60 min.	14 PSIG	1/4" Choke		37,600 C.F.P.D.
8:15AM	75 min.	14 PSIG	1/4" Choke		37,600 C.F.P.D.
8:30AM	90 min.	16 PSIG	1/4" Choke		40,900 C.F.P.D.
8:45AM	105 min.	18 PSIG	1/4" Choke		43,900 C.F.P.D.
9:00AM	120 min.	20 PSIG	1/4" Choke		47,100 C.F.P.D.

All measurements were taken with a 2" merla orifice well tester through a 1/4" choke.

GAS BOTTLE

Serial No. _____ Date Bottle Filled 3-16-76 Date to be Invoiced 3-16-76

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME E.H. Woods

Authorized by Lee Poulsen

WESTERN TESTING CO., INC.

Pressure Data

Date 3-16-76 Test Ticket No. 25063
 Recorder No. 3085 Capacity 4500 Location 4406 Ft.
 Clock No. 6866 Elevation 1604 Derrick Floor Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2283</u>	P.S.I.	<u>6:28 A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>220</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
C First Final Flow Pressure	<u>201</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
D Initial Closed-in Pressure	<u>1425</u>	P.S.I.	<u>90</u>	<u>Mins.</u>
E Second Initial Flow Pressure	<u>231</u>	P.S.I.	<u>60</u>	<u>Mins.</u>
F Second Final Flow Pressure	<u>225</u>	P.S.I.		
G Final Closed-in Pressure	<u>1420</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2269</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>220</u>	<u>0</u>	<u>201</u>	<u>0</u>	<u>231</u>	<u>0</u>	<u>225</u>
P 2 <u>5</u>	<u>215</u>	<u>3</u>	<u>958</u>	<u>5</u>	<u>210</u>	<u>3</u>	<u>907</u>
P 3 <u>10</u>	<u>208</u>	<u>6</u>	<u>1338</u>	<u>10</u>	<u>214</u>	<u>6</u>	<u>1263</u>
P 4 <u>15</u>	<u>199</u>	<u>9</u>	<u>1356</u>	<u>15</u>	<u>213</u>	<u>9</u>	<u>1356</u>
P 5 <u>20</u>	<u>199</u>	<u>12</u>	<u>1391</u>	<u>20</u>	<u>215</u>	<u>12</u>	<u>1382</u>
P 6 <u>25</u>	<u>199</u>	<u>15</u>	<u>1407</u>	<u>25</u>	<u>233</u>	<u>15</u>	<u>1396</u>
P 7 <u>30</u>	<u>201</u>	<u>18</u>	<u>1415</u>	<u>30</u>	<u>222</u>	<u>18</u>	<u>1403</u>
P 8		<u>21</u>	<u>1420</u>	<u>35</u>	<u>220</u>	<u>21</u>	<u>1407</u>
P 9		<u>24</u>	<u>1422</u>	<u>40</u>	<u>268</u>	<u>24</u>	<u>1410</u>
P10		<u>27</u>	<u>1424</u>	<u>45</u>	<u>234</u>	<u>27</u>	<u>1412</u>
P11		<u>30</u>	<u>1425</u>	<u>50</u>	<u>232</u>	<u>30</u>	<u>1412</u>
P12				<u>55</u>	<u>231</u>	<u>33</u>	<u>1413</u>
P13				<u>60</u>	<u>226</u>	<u>36</u>	<u>1413</u>
P14				<u>65</u>	<u>227</u>	<u>39</u>	<u>1414</u>
P15				<u>70</u>	<u>229</u>	<u>42</u>	<u>1414</u>
P16				<u>75</u>	<u>231</u>	<u>45</u>	<u>1416</u>
P17				<u>80</u>	<u>232</u>	<u>48</u>	<u>1417</u>
P18				<u>85</u>	<u>234</u>	<u>51</u>	<u>1418</u>
P19				<u>90</u>	<u>225</u>	<u>54</u>	<u>1419</u>
P20						<u>57</u>	<u>1420</u>
						<u>60</u>	<u>1420</u>