

Open Hole Test	\$ 550
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage 33 HOURS	\$ 24.75
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
TOTAL	\$ 574.75

WESTERN TESTING CO., INC.

Pressure Data

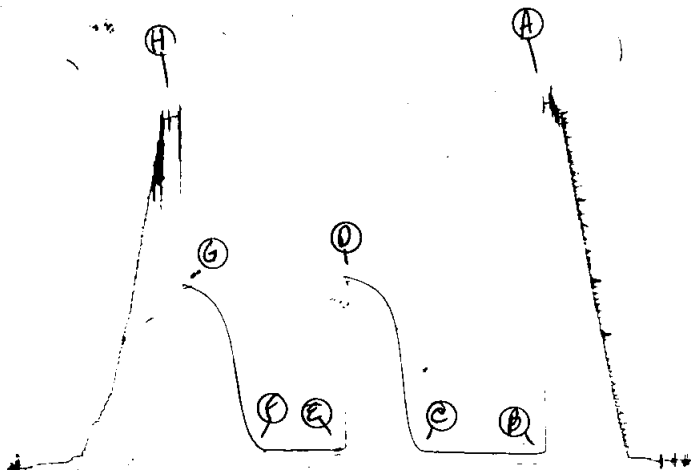
Date 8- -80 Test Ticket No. 7201
 Recorder No. 6234 Capacity 4500 Location 3825 Ft.
 Clock No. _____ Elevation 2063 KB Well Temperature 108 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2113 P.S.I. Open Tool 10:10 P M
 B First Initial Flow Pressure 73 P.S.I. First Flow Pressure 90 Mins. 90 Mins.
 C First Final Flow Pressure 89 P.S.I. Initial Closed-in Pressure 60 Mins. 57 Mins.
 D Initial Closed-in Pressure 1120 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 110 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.
 F Second Final Flow Pressure 106 P.S.I.
 G Final Closed-in Pressure 1083 P.S.I.
 H Final Hydrostatic Mud 2070 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>18</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</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 0	<u>73</u>	0	<u>87</u>	0	<u>110</u>	0	<u>106</u>
P 2 5	<u>64</u>	3	<u>96</u>	5	<u>103</u>	3	<u>122</u>
P 3 10	<u>64</u>	6	<u>122</u>	10	{	6	<u>140</u>
P 4 15	<u>64</u>	9	<u>179</u>	15		9	<u>172</u>
P 5 20	<u>66</u>	12	<u>298</u>	20		12	<u>227</u>
P 6 25	<u>68</u>	15	<u>532</u>	25	{	15	<u>300</u>
P 7 30	<u>69</u>	18	<u>707</u>	30		18	<u>417</u>
P 8 35	<u>69</u>	21	<u>842</u>	35		21	<u>572</u>
P 9 40	<u>70</u>	24	<u>923</u>	40	<u>101</u>	24	<u>687</u>
P10 45	<u>71</u>	27	<u>971</u>	45	<u>106</u>	27	<u>793</u>
P11 50	<u>73</u>	30	<u>1005</u>	50	{	30	<u>867</u>
P12 55	<u>76</u>	33	<u>1029</u>	55		33	<u>917</u>
P13 60	<u>78</u>	36	<u>1052</u>	60		<u>106</u>	36
P14 65	<u>78</u>	39	<u>1068</u>	65		39	<u>986</u>
P15 90	<u>79</u>	42	<u>1081</u>	70		42	<u>1011</u>
P16 95	<u>81</u>	45	<u>1091</u>	75		45	<u>1029</u>
P17 80	<u>83</u>	48 <u>1100</u>	<u>1100</u>	80		48	<u>1043</u>
P18 85	<u>85</u>	51	<u>1109</u>	85		51	<u>1054</u>
P19 90	<u>87</u>	54	<u>1113</u>	90		54	<u>1063</u>
P20		57	<u>1120</u>			57	<u>1075</u>
		<u>60</u>				60	<u>1083</u>

6234

SK # 2201
I



Rains & Williamson Oil Co., Inc. &
Euwer Petroleum Company

Company _____ Lease & Well No. Baker #1

Elevation 2063 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 7201

Date 8/8/80 Sec 2 Twp 18S Range 18W County Rush State Kansas

Test Approved by Jack V. Childers Western Representative Dan Delaney-Cliff

Formation Test No. 1 Interval Tested from 3788 ft. to 3840 ft. Total Depth 3840 ft. Scheuerman

Packer Depth 3788 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3783 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3825 ft. Recorder Number 6234 Cap 4500

Bottom Recorder Depth (Outside) 3829 ft. Recorder Number 4339 Cap 4300

Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Rains & Williamson Drlg. Rig #4 Drill Collar Length - I. D. - in.

Mud Type salt-gel=starch Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 10.3 Water Loss 16.5 cc. Drill Pipe Length 3767 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 52 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Initial flow, weak blow slowly building.

Final flow, weak blow.

Recovered 90 ft. of mud with a few specks of oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:10 A.M. Time Started Off Bottom 2:40 P.M. Maximum Temperature 108°

Initial Hydrostatic Pressure (A) 2113 P.S.I.

Initial Flow Period Minutes 90 (B) 73 P.S.I. to (C) 87 P.S.I.

Initial Closed In Period Minutes 57 (D) 1120 P.S.I.

Final Flow Period Minutes 60 (E) 110 P.S.I. to (F) 106 P.S.I.

Final Closed In Period Minutes 60 (G) 1083 P.S.I.

Final Hydrostatic Pressure (H) 2070 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/8 /80 Test Ticket No. 7201
Recorder No. 6234 Capacity 4500 Location 3825 Ft.
Clock No. --- Elevation 2063 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2113 P.S.I.	Open Tool	10:10P M	
B First Initial Flow Pressure	73 P.S.I.	First Flow Pressure	90 Mins	90 Mins
C First Final Flow Pressure	87 P.S.I.	Initial Closed-in Pressure	60 Mins	57 Mins
D Initial Closed-in Pressure	1120 P.S.I.	Second Flow Pressure	60 Mins	60 Mins
E Second Initial Flow Pressure	110 P.S.I.	Final Closed-in Pressure	60 Mins	60 Mins
F Second Final Flow Pressure	106 P.S.I.			
G Final Closed-in Pressure	1083 P.S.I.			
H Final Hydrostatic Mud	2070 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>18</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</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 0	73	0	87	0	110	0	106
P 2 5	64	3	96	5	103	3	122
P 3 10	64	6	122	10	103	6	140
P 4 15	64	9	179	15	103	9	172
P 5 20	66	12	298	20	103	12	227
P 6 25	68	15	532	25	103	15	300
P 7 30	69	18	707	30	103	18	417
P 8 35	69	21	842	35	103	21	572
P 9 40	70	24	923	40	101	24	687
P10 45	71	27	971	45	106	27	793
P11 50	73	30	1005	50	106	30	867
P12 55	76	33	1029	55	106	33	917
P13 60	77	36	1052	60	106	36	957
P14 65	78	39	1068			39	986
P15 70	79	42	1081			42	1011
P16 75	81	45	1091			45	1029
P17 80	83	48	1100			48	1043
P18 85	85	51	1109			51	1054
P19 90	87	54	1113			54	1063
P20	87	57	1120			57	1075
						60	1083



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 7202

P. O. BOX 1599 PHONE (316) 262-5861

Elevation 2063 K.B. Formation Arkuckle Eff. Pay — Ft.

WICHITA, KANSAS 67201

Rains & Williams oil Co. Inc. District St. Bend Date 8-9-80 Customer Order No. 435 Page Count 2204 Douglas

COMPANY NAME Cuervo Petroleum Company 435 Page Count 2204 Douglas

ADDRESS 816-125 N. Park St. Wichita, KS 67202

LEASE AND WELL NO. Baker COUNTY Rush STATE KS Sec 2 Twp 18S Rge 18W

Mail Invoice To same No. Copies Requested

Co. Name same Address

Mail Charts To same No. Copies Requested

Address

Formation Test No. 2 Interval Tested from 3788 ft. to 3844 ft. Total Depth 3844 ft.

Packer Depth 3788 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 3783 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3825 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 3829 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Rains & Williams #24 Drill Collar Length — I. D. — in.

Mud Type Salt Water Viscosity 40 Weight Pipe Length — I. D. — in.

Weight 10.34 Water Loss 16.5 cc. Drill Pipe Length 3767 I. D. 3.8 in.

Chlorides 44,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make — Serial Number — Anchor Length 56 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 1/2 in. Bottom Choke Size 1 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: FF - Weak Blow Building to a Good Blow

FF - Weak Blow Building to a Good Blow

Final Flow Slightly oil Cut Muddy Water

Recovered 20 ft. of

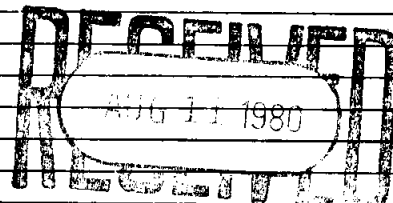
Recovered 420 ft. of Water

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Remarks:



Time On Location 10:30 A.M. Time Pick Up Tool 11:00 A.M. Time Off Location 6:50 P.M.

Time Set Packer(s) 12:15 P.M. Time Started Off Bottom 4:15 P.M. Maximum Temperature 112°

Initial Hydrostatic Pressure (A) 2085 P.S.I.

Initial Flow Period Minutes 60 (B) 91 P.S.I. to (C) 136 P.S.I.

Initial Closed In Period Minutes 60 (D) 1090 P.S.I.

Final Flow Period Minutes 60 (E) 160 P.S.I. to (F) 206 P.S.I.

Final Closed In Period Minutes 60 (G) 1067 P.S.I.

Final Hydrostatic Pressure (H) 2052 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By J. V. Childers J. V. Childers

Signature of Customer or his authorized representative

Western Representative Dan Delaney

Cliff Schenck

FIELD INVOICE

Open Hole Test 550°

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$

Fluid Sampler \$

Extra Charts \$

Insurance \$

TOTAL \$ 550°

WESTERN TESTING CO., INC.

Pressure Data

Date 8-9 Test Ticket No. 7202
 Recorder No. 6234 Capacity 4500 Location 3825 Ft.
 Clock No. — Elevation 2063 KB Well Temperature 112 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2099</u> P.S.I.	<u>12:15</u> P.M.	
B First Initial Flow Pressure	<u>100</u> * P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>140</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1090</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>162</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>206</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
G Final Closed-in Pressure	<u>1066</u> P.S.I.		
H Final Hydrostatic Mud	<u>2063</u> P.S.I.		

* Pressures questionable due to plugging action

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

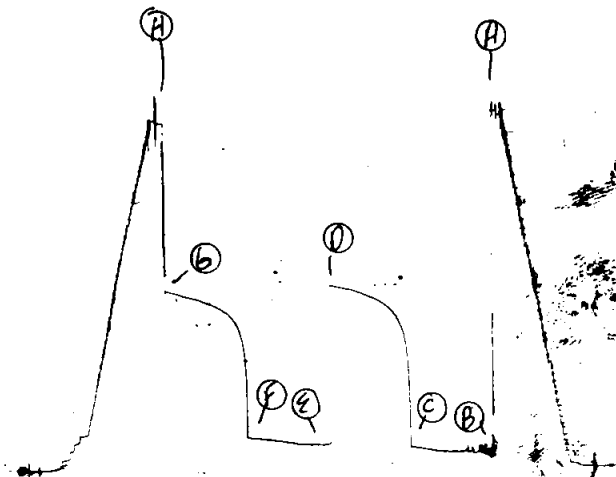
Point Mins.	Press.
P 1 0	<u>100</u> *
P 2 5	<u>100</u> *
P 3 10	<u>103</u> *
P 4 15	<u>103</u> *
P 5 20	<u>106</u> *
P 6 25	<u>108</u>
P 7 30	<u>108</u>
P 8 35	<u>108</u>
P 9 40	<u>111</u>
P 10 45	<u>122</u>
P 11 50	<u>128</u>
P 12 55	<u>133</u>
P 13 60	<u>140</u>
P 14	
P 15	
P 16	
P 17	
P 18	
P 19	
P 20	

Point Minutes	Press.
0	<u>140</u>
3	<u>669</u>
6	<u>811</u>
9	<u>872</u>
12	<u>919</u>
15	<u>946</u>
18	<u>969</u>
21	<u>989</u>
24	<u>1002</u>
27	<u>1016</u>
30	<u>1029</u>
33	<u>1036</u>
36	<u>1043</u>
39	<u>1052</u>
42	<u>1061</u>
45	<u>1070</u>
48	<u>1072</u>
51	<u>1077</u>
54	<u>1083</u>
57	<u>1086</u>
60	<u>1090</u>

Point Minutes	Press.
0	<u>162</u>
5	<u>1</u>
10	<u>162</u>
15	<u>162</u>
20	<u>165</u>
25	<u>174</u>
30	<u>181</u>
35	<u>186</u>
40	<u>190</u>
45	<u>195</u>
50	<u>199</u>
55	<u>202</u>
60	<u>206</u>
65	
70	
75	
80	
85	
90	

Point Minutes	Press.
0	<u>206</u>
3	<u>739</u>
6	<u>833</u>
9	<u>881</u>
12	<u>910</u>
15	<u>937</u>
18	<u>950</u>
21	<u>966</u>
24	<u>978</u>
27	<u>988</u>
30	<u>998</u>
33	<u>1005</u>
36	<u>1011</u>
39	<u>1023</u>
42	<u>1027</u>
45	<u>1032</u>
48	<u>1038</u>
51	<u>1050</u>
54	<u>1057</u>
57	<u>1061</u>
60	<u>1066</u>

JK# 7202
I



Rains & Williamson Oil Co., Inc. &

Company Euwer Petroleum Company Lease & Well No. Baker #1
 Elevation 2063 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 7202
 Date 8/9/80 Sec. 2 Twp. 18S Range 18W County Rush State Kansas
 Test Approved by J. V. Childers Western Representative Dan Delaney
Cliff Scheuerman

Formation Test No. 2 Interval Tested from 3788 ft. to 3844 ft. Total Depth 3844 ft.
 Packer Depth 3788 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3783 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3825 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 3829 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Rains & Williamson Drlg. Rig #4 Drill Collar Length - I. D. - in.
 Mud Type salt-gel-starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 10.3 Water Loss 16.5 cc. Drill Pipe Length 3767 I. D. 3.8 in.
 Chlorides 94,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 56 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Initial flow weak blow building to a good blow.

Final flow weak blow building to a good blow.

Recovered 20 ft. of slightly oil cut muddy water

Recovered 420 ft. of water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:15 A.M. P.M. Time Started Off Bottom 4:15 A.M. P.M. Maximum Temperature 112°
 Initial Hydrostatic Pressure (A) 2099 P.S.I.
 Initial Flow Period Minutes 60 (B) 100 * P.S.I. to (C) 140 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1090 P.S.I.
 Final Flow Period Minutes 60 (E) 162 P.S.I. to (F) 206 P.S.I.
 Final Closed In Period Minutes 60 (G) 1066 P.S.I.
 Final Hydrostatic Pressure (H) 2063 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/9/80

Recorder No. 6234 Capacity 4500 Test Ticket No. 7202

Clock No. --- Elevation 2063 Kelly Bushing Location 3825 Ft

Well Temperature 112 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2099 P.S.I.	12:15P	
B First Initial Flow Pressure	100 * P.S.I.	60 Mins.	60 Mins.
C First Final Flow Pressure	140 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1090 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	162 P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	206 P.S.I.		
G Final Closed-in Pressure	1066 P.S.I.		
H Final Hydrostatic Mud	2063 P.S.I.		

* Pressures questionable due to plugging action

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</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>100 *</u>	<u>0</u>	<u>140</u>	<u>0</u>	<u>162</u>	<u>0</u>	<u>206</u>
P 2 <u>5</u>	<u>100 *</u>	<u>3</u>	<u>669</u>	<u>5</u>	<u>162</u>	<u>3</u>	<u>739</u>
P 3 <u>10</u>	<u>103 *</u>	<u>6</u>	<u>811</u>	<u>10</u>	<u>162</u>	<u>6</u>	<u>833</u>
P 4 <u>15</u>	<u>103 *</u>	<u>9</u>	<u>872</u>	<u>15</u>	<u>162</u>	<u>9</u>	<u>881</u>
P 5 <u>20</u>	<u>106 *</u>	<u>12</u>	<u>919</u>	<u>20</u>	<u>165</u>	<u>12</u>	<u>910</u>
P 6 <u>25</u>	<u>108</u>	<u>15</u>	<u>946</u>	<u>25</u>	<u>174</u>	<u>15</u>	<u>937</u>
P 7 <u>30</u>	<u>108</u>	<u>18</u>	<u>969</u>	<u>30</u>	<u>181</u>	<u>18</u>	<u>950</u>
P 8 <u>35</u>	<u>108</u>	<u>21</u>	<u>989</u>	<u>35</u>	<u>186</u>	<u>21</u>	<u>966</u>
P 9 <u>40</u>	<u>111</u>	<u>24</u>	<u>1002</u>	<u>40</u>	<u>190</u>	<u>24</u>	<u>978</u>
P10 <u>45</u>	<u>122</u>	<u>27</u>	<u>1016</u>	<u>45</u>	<u>195</u>	<u>27</u>	<u>988</u>
P11 <u>50</u>	<u>128</u>	<u>30</u>	<u>1029</u>	<u>50</u>	<u>199</u>	<u>30</u>	<u>998</u>
P12 <u>55</u>	<u>133</u>	<u>33</u>	<u>1036</u>	<u>55</u>	<u>202</u>	<u>33</u>	<u>1005</u>
P13 <u>60</u>	<u>140</u>	<u>36</u>	<u>1043</u>	<u>60</u>	<u>206</u>	<u>36</u>	<u>1011</u>
P14		<u>39</u>	<u>1052</u>			<u>39</u>	<u>1023</u>
P15		<u>42</u>	<u>1061</u>			<u>42</u>	<u>1027</u>
P16		<u>45</u>	<u>1070</u>			<u>45</u>	<u>1032</u>
P17		<u>48</u>	<u>1072</u>			<u>48</u>	<u>1038</u>
P18		<u>51</u>	<u>1077</u>			<u>51</u>	<u>1050</u>
P19		<u>54</u>	<u>1083</u>			<u>54</u>	<u>1057</u>
P20		<u>57</u>	<u>1086</u>			<u>57</u>	<u>1061</u>
		<u>60</u>	<u>1090</u>			<u>60</u>	<u>1066</u>