



P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 4129

Elevation 1807 K.B. Formation Kansas Eff. Pay Ft.
Kelly Bushing

District GREAT BEND Date 9/26/80 Customer Order No.

COMPANY NAME The ROXANA Corporation

ADDRESS Box 1162 Great Bend Kansas 67530 GREAT BEND, KS 67530

LEASE AND WELL NO. SAYIER #1 COUNTY BARTON STATE KS Sec. 26 Twp. 18 Rge. 13W

Mail Invoice To same as above No. Copies Requested 5

Co. Name

Address

Mail Charts To same as above No. Copies Requested 5

Address

Formation Test No. 1 Interval Tested from 3079 ft. to 3165 ft. Total Depth 3165 ft.

Packer Depth 3074 ft. Size 63/4 in. Packer Depth 3079 ft. Size 63/4 in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3087 ft.

Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 3090 ft.

Recorder Number 6233 Cap. 4000

Below Straddle Recorder Depth ft.

Recorder Number Cap.

Drilling Contractor ROCO DRILL RIG #1

Drill Collar Length I. D. in.

Mud Type PAVIS Viscosity 400

Weight Pipe Length 346' I. D. 2.7 in.

Weight 9.8 Water Loss 15.0 cc.

Drill Pipe Length 271' I. D. 3.8 in.

Chlorides 90,000 P.P.M.

Test Tool Length 22' ft. Tool Size 4 1/2 in.

Jars: Make Serial Number

Anchor Length 86' ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

initial flow period

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

Blow: 1ST - WEAK BLOW THROUGHOUT JUST OFF TOP OF WATER

2ND - NO BLOW

final flow period

Recovered 10 ft. of Mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

RECEIVED
SEP 30 1980

ARRIVAL 6:30 P.M. 9/26/80

Time Set Packer(s) 9:30 A.M. Time Started Off Bottom 11:20 A.M. Maximum Temperature 108°

Initial Hydrostatic Pressure 1634 P.S.I.

Initial Flow Period 30 Minutes (B) 46 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period 30 Minutes (D) 58 P.S.I.

Final Flow Period 30 Minutes (E) 46 P.S.I. to (F) 46 P.S.I.

Final Closed In Period 20 Minutes (G) 58 P.S.I.

Final Hydrostatic Pressure 1611 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 Brian H. Harkness
Signature of Customer or his authorized representative

Western Representative Danell Chapman

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 15 \$ 112.50
Fluid Sampler \$
Extra Charts \$ 40.00
Insurance \$
TOTAL \$ 601.25

WESTERN TESTING CO., INC.

Pressure Data

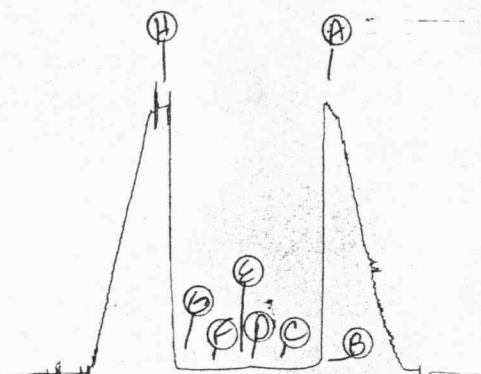
Date 9-26-80 Recorder No. 10266 Capacity 4650 Test Ticket No. 4129
 Clock No. _____ Elevation 1807 Location 3087 Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1653</u>	P.S.I.	Open Tool	<u>9:30 P</u> M
B First Initial Flow Pressure	<u>89</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>56</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins. <u>24</u> Mins.
D Initial Closed-in Pressure	<u>75</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins. <u>25</u> Mins.
E Second Initial Flow Pressure	<u>63</u>	P.S.I.	Final Closed-in Pressure	<u>20</u> Mins. <u>27</u> Mins.
F Second Final Flow Pressure	<u>52</u>	P.S.I.		
G Final Closed-in Pressure	<u>59</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1630</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>8</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>9</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>89</u>	0	<u>56</u>	0	<u>63</u>	0	<u>52</u>
P 2 5	<u>75</u>	3	<u>58</u>	5	<u>59</u>	3	<u>52</u>
P 3 10	<u>63</u>	6	<u>60</u>	10	<u>56</u>	6	<u>53</u>
P 4 15	<u>56</u>	9	<u>62</u>	15	<u>54</u>	9	<u>54</u>
P 5 20	<u>56</u>	12	<u>64</u>	20	<u>52</u>	12	<u>55</u>
P 6 25	<u>56</u>	15	<u>66</u>	25	<u>52</u>	15	<u>56</u>
P 7 30	<u>56</u>	18	<u>69</u>	30	<u>52</u>	18	<u>59</u>
P 8 35		21	<u>72</u>	35		21	<u>58</u>
P 9 40		24	<u>75</u>	40		24	<u>58</u>
P 10 45		27		45		27	<u>59</u>
P 11 50		30		50		30	
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

JKI #4/29
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Company The Roxana Corporation Lease & Well No. Sayler #1
Elevation 1807 Kelly Bushing Formation Kansas City Effective Pay ----- Ft. Ticket No. 4129
Date 9-26-80 Sec. 26 Twp. 18 S Range 13 W County Barton State Kansas
Test Approved by Brad Hutchison Western Representative Darrell Claphan

Formation Test No. 1 Interval Tested from 3079 ft. to 3165 ft. Total Depth 3165 ft.

Packer Depth 3074 ft. Size 6 3/4 in. Packer Depth 3079 ft. Size 6 3/4 in.

Packer Depth ----- ft. Size ----- in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3087 ft. Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 3090 ft. Recorder Number 6233 Cap. 4000

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

Drilling Contractor Roco Drilling Rig #1 Drill Collar Length ----- I. D. ----- in.

Mud Type Starch Viscosity 40 Weight Pipe Length 346 I. D. 2.7 in.

Weight 9.8 Water Loss 15.0 cc. Drill Pipe Length 2711 I. D. 3.8 in.

Chlorides 90,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make ----- Serial Number ----- Anchor Length 86 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Initial flow period- weak blow throughout, just off top of water.

Final flow period- No blow.

Recovered 10 ft. of mud.

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Recovered ----- ft. of -----

Remarks: -----

Time Set Packer(s) 9:30 ~~XAM.~~ P.M. Time Started Off Bottom 11:20 ~~XAM.~~ P.M. Maximum Temperature 108

Initial Hydrostatic Pressure ----- (A) 1653 P.S.I.

Initial Flow Period ----- Minutes 30 (B) 89 P.S.I. to (C) 56 P.S.I.

Initial Closed In Period ----- Minutes 24 (D) 75 P.S.I.

Final Flow Period ----- Minutes 25 (E) 63 P.S.I. to (F) 52 P.S.I.

Final Closed In Period ----- Minutes 27 (G) 59 P.S.I.

Final Hydrostatic Pressure ----- (H) 1630 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-26-80 Test Ticket No. 4129
 Recorder No. 10266 Capacity 4650 Location 3087 Ft.
 Clock No. ----- Elevation 1807 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1653</u> P.S.I.	Open Tool	<u>9:30</u> P M	
B First Initial Flow Pressure	<u>89</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>56</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>24</u> Mins.
D Initial Closed-in Pressure	<u>75</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.			
G Final Closed-in Pressure	<u>59</u> P.S.I.			
H Final Hydrostatic Mud	<u>1630</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>8</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>9</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>89</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>52</u>
P 2 <u>5</u>	<u>75</u>	<u>3</u>	<u>58</u>	<u>5</u>	<u>59</u>	<u>3</u>	<u>52</u>
P 3 <u>10</u>	<u>63</u>	<u>6</u>	<u>60</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>53</u>
P 4 <u>15</u>	<u>56</u>	<u>9</u>	<u>62</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>54</u>
P 5 <u>20</u>	<u>56</u>	<u>12</u>	<u>64</u>	<u>20</u>	<u>52</u>	<u>12</u>	<u>55</u>
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>66</u>	<u>25</u>	<u>52</u>	<u>15</u>	<u>56</u>
P 7 <u>30</u>	<u>56</u>	<u>18</u>	<u>69</u>	<u>30</u>		<u>18</u>	<u>59</u>
P 8		<u>21</u>	<u>72</u>			<u>21</u>	<u>58</u>
P 9		<u>24</u>	<u>75</u>			<u>24</u>	<u>58</u>
P10						<u>27</u>	<u>59</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N^o 4130

Kelly Bashing
Elevation 1807 K.B Formation ARBuckle Eff. Pay Ft.

District Great Bend Date 9/27/80 Customer Order No.
COMPANY NAME The ROXANA CORPORATION
ADDRESS Box 1162 Great Bend Kansas 67530
LEASE AND WELL NO. SAYLER #1 COUNTY BARTON STATE KS Sec. 26 Twp. 18 Rge. 13 W
Mail Invoice To same as above No. Copies Requested 5
Co. Name Address
Mail Charts To same as above No. Copies Requested 5
Address

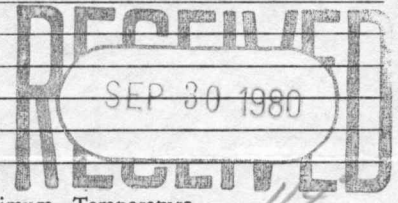
Formation Test No. 2 Interval Tested from 3323 ft. to 3331 ft. Total Depth 3331 ft.
Packer Depth 3318 ft. Size 6 3/4 in. Packer Depth 3323 ft. Size 6 3/4 in.
Packer Depth ft. Size in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) <u>3324</u> ft.	Recorder Number <u>10266</u> Cap. <u>4650</u>
Bottom Recorder Depth (Outside) <u>3327</u> ft.	Recorder Number <u>6233</u> Cap. <u>4000</u>
Below Straddle Recorder Depth <u> </u> ft.	Recorder Number <u> </u> Cap. <u> </u>
Drilling Contractor <u>ROCO DRILL Rig #1</u>	Drill Collar Length <u> </u> I. D. <u> </u> in.
Mud Type <u> </u> Viscosity <u>40</u>	Weight Pipe Length <u>346</u> I. D. <u>2.7</u> in.
Weight <u>9.9</u> Water Loss <u>16.0</u> cc.	Drill Pipe Length <u>2955</u> I. D. <u>3.8</u> in.
Chlorides <u>82,500</u> P.P.M.	Test Tool Length <u>22'</u> ft. Tool Size <u>4 1/2</u> in.
Jars: Make <u> </u> Serial Number <u> </u>	Anchor Length <u>8'</u> ft. Size <u>5 1/2</u> in.
Did Well Flow? <u>NO</u> Reversed Out <u>NO</u>	Surface Choke Size <u>3/4</u> in. Bottom Choke Size <u>3/4</u> in.
Initial Flow Period <u> </u>	Main Hole Size <u>7 1/8</u> in. Tool Joint Size <u>4 1/2</u> in.

Blow: 1ST - WEAR BLOW SLOWLY BUILDING THEN SLOWLY DYING 1/2" TO 1" THEN 3/4"
And flow period NO BLOW FLUSHED TOOL NO HELP

Recovered <u>45</u> ft. of <u>MUD</u>
Recovered <u> </u> ft. of <u>TRACE OF FREE OIL ON TOP OF TOOL</u>
Recovered <u> </u> ft. of <u> </u>
Recovered <u> </u> ft. of <u> </u>
Recovered <u> </u> ft. of <u> </u>

Remarks:



Time Set Packer(s) <u>8:00</u> A.M. P.M.	Time Started Off Bottom <u>10:15</u> A.M. P.M.	Maximum Temperature <u>117</u>
Initial Hydrostatic Pressure <u> </u> (A) <u>1786</u> P.S.I.	Initial Flow Period <u>45</u> Minutes (B) <u>70</u> P.S.I. to (C) <u>70</u> P.S.I.	
Initial Closed In Period <u>30</u> Minutes (D) <u>164</u> P.S.I.	Final Flow Period <u>30</u> Minutes (E) <u>70</u> P.S.I. to (F) <u>70</u> P.S.I.	
Final Closed In Period <u>30</u> Minutes (G) <u>82</u> P.S.I.	Final Hydrostatic Pressure <u>1751</u> P.S.I. (H)	

COMPANY TERMS

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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 Brad Hutchison Hutchison
Signature of Customer or his authorized representative

Western Representative Samuel Clapham

FIELD INVOICE

Open Hole Test	\$ <u>550.00</u>
Misrun	\$ <u> </u>
Straddle Test	\$ <u> </u>
Jars	\$ <u> </u>
Selective Zone	\$ <u> </u>
Safety Joint	\$ <u> </u>
Standby	\$ <u> </u>
Evaluation	\$ <u> </u>
Extra Packer	\$ <u> </u>
Circ. Sub.	\$ <u> </u>
Mileage <u>N/C</u>	\$ <u> </u>
Fluid Sampler	\$ <u> </u>
Extra Charts	\$ <u> </u>

TOTAL \$ 550.00

WESTERN TESTING CO., INC.

Pressure Data

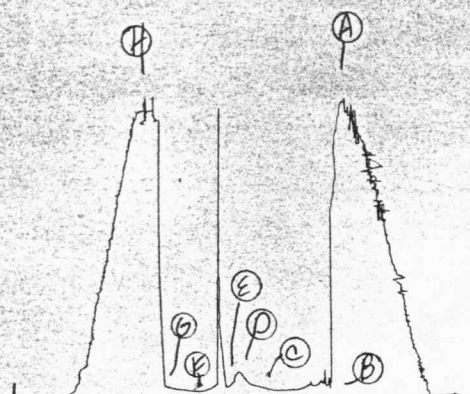
Date 9-27-80 Test Ticket No. 4130
 Recorder No. 10266 Capacity 4650 Location 3324 Ft.
 Clock No. 1807 Elevation KB Well Temperature 114 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1800</u>	P.S.I.	<u>8:00</u> P	
B First Initial Flow Pressure <u>73</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure <u>73</u>	P.S.I.	<u>30</u> Mins.	<u>24</u> Mins.
D Initial Closed-in Pressure <u>181</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure <u>115</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure <u>82</u>	P.S.I.		
G Final Closed-in Pressure <u>96</u>	P.S.I.		
H Final Hydrostatic Mud <u>1753</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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>73</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>115</u>	<u>0</u>	<u>82</u>
P 2 <u>5</u>	<u>120</u>	<u>3</u>	<u>85</u>	<u>5</u>	<u>103</u>	<u>3</u>	<u>80</u>
P 3 <u>10</u>	<u>101</u>	<u>6</u>	<u>89</u>	<u>10</u>	<u>99</u>	<u>6</u>	<u>78</u>
P 4 <u>15</u>	<u>108</u>	<u>9</u>	<u>92</u>	<u>15</u>	<u>FLUSHED TOOL</u>	<u>9</u>	<u>77</u>
P 5 <u>20</u>	<u>82</u>	<u>12</u>	<u>99</u>	<u>20</u>	<u>96</u>	<u>12</u>	<u>76</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>110</u>	<u>25</u>	<u>89</u>	<u>15</u>	<u>75</u>
P 7 <u>30</u>	<u>70</u>	<u>18</u>	<u>141</u>	<u>30</u>	<u>82</u>	<u>18</u>	<u>77</u>
P 8 <u>35</u>	<u>70</u>	<u>21</u>	<u>176</u>	<u>35</u>	<u>75</u>	<u>21</u>	<u>82</u>
P 9 <u>40</u>	<u>70</u>	<u>24</u>	<u>181</u>	<u>40</u>	<u>66</u>	<u>24</u>	<u>89</u>
P10 <u>45</u>	<u>73</u>	<u>27</u>		<u>45</u>		<u>27</u>	<u>96</u>
P11 <u>50</u>		<u>30</u>		<u>50</u>		<u>30</u>	
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

JKT # 4/30
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10266

Company The Roxana Corporation Lease & Well No. Sayler #1
Elevation 1807 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 4130
Date 9-27-80 Sec. 26 Twp 18 S Range 13 W County Barton State Kansas
Test Approved by Brad Hutchison Western Representative Darrell Claphan

Formation Test No. 2 Interval Tested from 3323 ft. to 3331 ft. Total Depth 3331 ft.

Packer Depth 3318 ft. Size 6 3/4 in. Packer Depth 3323 ft. Size 6 3/4 in.

Packer Depth ----- ft. Size ----- in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3324 ft. Recorder Number 10266 Cap 4650

Bottom Recorder Depth (Outside) 3327 ft. Recorder Number 6233 Cap 4000

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

Drilling Contractor Roco Drilling Rig #1 Drill Collar Length ----- I. D. ----- in.

Mud Type Starch Viscosity 40 Weight Pipe Length 346 I. D. 2.7 in.

Weight 9.9 Water Loss 16.0 cc. Drill Pipe Length 2955 I. D. 3.8 in.

Chlorides 82,500 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make ----- Serial Number ----- Anchor Length 8 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Initial flow period- weak blow, slowly building, then slowly dying, 1/2" to 1" then 3/4".

Final flow period- No blow, flushed tool. No help.

Recovered 45 ft. of mud.

Recovered ----- ft. of (Trace of free oil on top of tool)

Recovered ----- ft. of

Recovered ----- ft. of

Recovered ----- ft. of

Remarks:

Time Set Packer(s) 8:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 10:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 114

Initial Hydrostatic Pressure ----- (A) 1800 P.S.I.

Initial Flow Period ----- Minutes 45 (B) 73 P.S.I. to (C) 73 P.S.I.

Initial Closed In Period ----- Minutes 24 (D) 181 P.S.I.

Final Flow Period ----- Minutes 30 (E) 115 P.S.I. to (F) 82 P.S.I.

Final Closed In Period ----- Minutes 27 (G) 96 P.S.I.

Final Hydrostatic Pressure ----- (H) 1753 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-27-80 Test Ticket No. 4130
 Recorder No. 10266 Capacity 4650 Location 3324 Ft.
 Clock No. ----- Elevation 1807 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1800</u> P.S.I.	Open Tool	<u>8:00</u> P M	
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>73</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>24</u> Mins.
D Initial Closed-in Pressure	<u>181</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>115</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>82</u> P.S.I.			
G Final Closed-in Pressure	<u>96</u> P.S.I.			
H Final Hydrostatic Mud	<u>1753</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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>73</u>	<u>0</u>	<u>73</u>	<u>0</u>	<u>115</u>	<u>0</u>	<u>82</u>
P 2 <u>5</u>	<u>120</u>	<u>3</u>	<u>85</u>	<u>5</u>	<u>103</u>	<u>3</u>	<u>80</u>
P 3 <u>10</u>	<u>101</u>	<u>6</u>	<u>89</u>	<u>10</u>	<u>99</u>	<u>6</u>	<u>78</u>
P 4 <u>15</u>	<u>108</u>	<u>9</u>	<u>92</u>	<u>15</u>	<u>Flushed Tool</u>	<u>9</u>	<u>77</u>
P 5 <u>20</u>	<u>82</u>	<u>12</u>	<u>99</u>	<u>20</u>	<u>96</u>	<u>12</u>	<u>76</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>110</u>	<u>25</u>	<u>89</u>	<u>15</u>	<u>75</u>
P 7 <u>30</u>	<u>70</u>	<u>18</u>	<u>141</u>	<u>30</u>	<u>82</u>	<u>18</u>	<u>77</u>
P 8 <u>35</u>	<u>70</u>	<u>21</u>	<u>176</u>			<u>21</u>	<u>82</u>
P 9 <u>40</u>	<u>70</u>	<u>24</u>	<u>181</u>			<u>24</u>	<u>89</u>
P10 <u>45</u>	<u>73</u>					<u>27</u>	<u>96</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.

FORMATION TESTING

Kelly Buching

TICKET NO 4131

Elevation

1807 K.B

Formation

ARBUCKLE

Eff. Pay Ft.

District GREAT BEND

Date 9/28/80

Customer Order No.

COMPANY NAME

THE ROXANA CORP.

ADDRESS Box 1162 Great Bend Kansas 67530

LEASE AND WELL NO. SAYLER #1 COUNTY BARTON STATE KS Sec. 26 Twp 18 Rge 13W

Mail Invoice To. same as above No. Copies Requested 5

Co. Name

Address

Mail Charts To. same as above No. Copies Requested 5

Address

Formation Test No. 3 Interval Tested from 3324 ft. to 3344 ft. Total Depth 3344 ft.

Packer Depth 3319 ft. Size 6 3/4 in. Packer Depth 3324 ft. Size 6 3/4 in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3332 ft.

Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 3335 ft.

Recorder Number 6233 Cap. 4000

Below Straddle Recorder Depth ft.

Recorder Number Cap.

Drilling Contractor Roco Drllg Pig #1

Drill Collar Length I. D. in.

Mud Type Viscosity 42

Weight Pipe Length 346 I. D. 2.7 in.

Weight 9.8 Water Loss cc.

Drill Pipe Length 2956 I. D. 3.8 in.

Chlorides P.P.M.

Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number

Anchor Length 20 ft. Size 5 1/2 in.

Did Well Flow? Reversed Out

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: 1ST -

Recovered 300' ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

PACKER FAILURE

SEP 30 1980

ARRIVAL 8:00 A.M. 9/28/80

Time Set Packer(s) 10:30 A.M. P.M. Time Started Off Bottom A.M. P.M. Maximum Temperature

Initial Hydrostatic Pressure (A) 1740 P.S.I.

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

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

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

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

Final Hydrostatic Pressure (H) 1740 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 Brad Hutchison Hutchison
Signature of Customer or his authorized representative

Western Representative

Danell Chapman

FIELD INVOICE

Open Hole Test \$
Misrun \$ 300.00
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage N/C \$
Fluid Sampler \$
Extra Charts \$

TOTAL \$ 300.00

It # 4131

I



Company The Roxana Corporation Lease & Well No. Sayler #1
Elevation 1807 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 4131
Date 9-28-80 Sec. 26 Twp. 18 S Range 13 W County Barton State Kansas
Test Approved by Brad Hutchison Western Representative Darrell Claphan

Formation Test No. 3 Interval Tested from 3324 ft. to 3344 ft. Total Depth 3344 ft.
Packer Depth 3319 ft. Size 6 3/4 in. Packer Depth 3324 ft. Size 6 3/4 in.
Packer Depth ----- ft. Size ----- in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3332 ft. Recorder Number 10266 Cap. 4650
Bottom Recorder Depth (Outside) 3335 ft. Recorder Number 6233 Cap. 4000
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. -----

Drilling Contractor Roco Drilling Rig #1 Drill Collar Length ----- I. D. ----- in.
Mud Type ----- Viscosity 42 Weight Pipe Length 346 I. D. 2.7 in.
Weight 9.8 Water Loss ----- cc. Drill Pipe Length 2956 I. D. 3.8 in.
Chlorides ----- P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
Jars: Make ----- Serial Number ----- Anchor Length 20 ft. Size 5 1/2 in.
Did Well Flow? ----- Reversed Out ----- Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: -----

Recovered 300 ft. of mud. Packer Failure.
Recovered ----- ft. of -----
Recovered ----- ft. of -----
Recovered ----- ft. of -----
Recovered ----- ft. of ----- MISRUN

Remarks: -----

Time Set Packer(s) 10:30 ~~XXX~~ P.M. Time Started Off Bottom ----- A.M. P.M. Maximum Temperature -----
Initial Hydrostatic Pressure ----- (A) 1740 P.S.I.
Initial Flow Period ----- Minutes ----- (B) ----- P.S.I. to (C) ----- P.S.I.
Initial Closed In Period ----- Minutes ----- (D) ----- P.S.I.
Final Flow Period ----- Minutes ----- (E) ----- P.S.I. to (F) ----- P.S.I.
Final Closed In Period ----- Minutes ----- (G) ----- P.S.I.
Final Hydrostatic Pressure ----- (H) 1740 P.S.I.



WESTERN TESTING CO., INC. FORMATION TESTING

TICKET NO 7394

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1807 Kelly Bushing Formation A mbuck 16 Eff. Pay Ft.

District Great Bend Date 9-28-80 Customer Order No.

COMPANY NAME Roxana Corporation

ADDRESS PO Box 1162 Great Bend KS 67530

LEASE AND WELL NO. Saylen #1 COUNTY BARTON STATE KS Sec. 26 Twp 18 S Rge 13 W

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 4 Interval Tested from 3309 ft. to 3344 ft. Total Depth 3344 ft.

Packer Depth 3304 ft. Size 6 3/4 in. Packer Depth 3309 ft. Size 6 3/4 in.

Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3326 ft. Recorder Number 10266 Cap. 4650

Bottom Recorder Depth (Outside) 3329 ft. Recorder Number 6233 Cap. 4000

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Roco Drill Collar Length I. D. in.

Mud Type starch Viscosity 42 Weight Pipe Length 316 I. D. 2.7 in.

Weight 9.8 Water Loss 15.0 cc. Drill Pipe Length 2972 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make Serial Number Anchor Length 35 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: 3 inch Blow slowly increasing to bottom of bucket first operation

very weak Blow died in 14 min second operation - Flush Tool - ONE inch Blow increased

to 12 inches in bucket final flow period

Recovered ft. of

Recovered 90 ft. of mud

Recovered 420 ft. of very slightly oil cut mud

Recovered ft. of

Recovered ft. of

Remarks: open tool at 2:23 loose 25 FT mud pull tools loose reopen tool

Hole stayed full

Time On Location 1:00 P.M. Time Pick Up Tool 1:20 P.M. Time Off Location 7:30 P.M.

Time Set Packer(s) 2:30 P.M. Time Started Off Bottom 4:32 P.M. Maximum Temperature 116

Initial Hydrostatic Pressure (A) 1762 P.S.I.

Initial Flow Period Minutes 30 (B) 105 P.S.I. to (C) 269 P.S.I.

Initial Closed In Period Minutes 30 (D) 738 P.S.I.

Final Flow Period Minutes 30 (E) 316 P.S.I. to (F) 410 P.S.I.

Final Closed In Period Minutes 30 (G) 878 P.S.I.

Final Hydrostatic Pressure (H) 1727 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 Brad Hutchinson
Signature of Customer or his authorized representative

Western Representative Roger Lisenby

FIELD INVOICE

Open Hole Test \$550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$550.00

WESTERN TESTING CO., INC.

Pressure Data

Date 9-28-80 Test Ticket No. 7394
 Recorder No. 10266 Capacity 4650 Location 3316 Ft.
 Clock No. Elevation 1807 KB Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1728</u>	P.S.I.	<u>2:30 PM</u>	
B First Initial Flow Pressure	<u>108</u>	P.S.I.		
C First Final Flow Pressure	<u>279</u>	P.S.I.		
D Initial Closed-in Pressure	<u>738</u>	P.S.I.		
E Second Initial Flow Pressure	<u>329</u>	P.S.I.		
F Second Final Flow Pressure	<u>406</u>	P.S.I.		
G Final Closed-in Pressure	<u>881</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1723</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 9 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

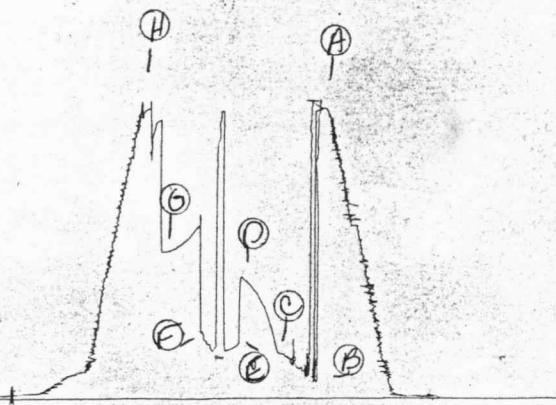
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>108</u>	0	<u>279</u>	0	<u>329</u>	0	<u>406</u>
P 2 5	<u>FLUSHED TOOL</u>	3	<u>371</u>	5	<u>310</u>	3	<u>1042</u>
P 3 10	<u>169</u>	6	<u>460</u>	10	<u>293</u>	6	<u>1016</u>
P 4 15	<u>195</u>	9	<u>528</u>	15	<u>FLUSHED TOOL</u>	9	<u>981</u>
P 5 20	<u>251</u>	12	<u>577</u>	20	<u>293</u>	12	<u>958</u>
P 6 25	<u>272</u>	15	<u>626</u>	25	<u>350</u>	15	<u>939</u>
P 7 30	<u>279</u>	18	<u>659</u>	30	<u>406</u>	18	<u>923</u>
P 8 35		21	<u>689</u>	35		21	<u>904</u>
P 9 40		24	<u>710</u>	40		24	<u>893</u>
P 10 45		27	<u>738</u>	45		27	<u>886</u>
P 11 50		30		50		30	<u>881</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

SKT # 7394

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Company The Roxana Corporation Lease & Well No. Sayler #1
 Elevation 1807 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 7394
 Date 9-28-80 Sec. 26 Twp 18 S Range 13 W County Barton State Kansas
 Test Approved by Brad Hutchison Western Representative Roger Lisenby
 Formation Test No. 4 Interval Tested from 3309 ft. to 3344 ft. Total Depth 3344 ft.
 Packer Depth 3304 ft. Size 6 3/4 in. Packer Depth 3309 ft. Size 6 3/4 in.
 Packer Depth ----- ft. Size ----- in. Packer Depth ----- ft. Size ----- in.
 Depth of Selective Zone Set -----
 Top Recorder Depth (Inside) 3316 ft. Recorder Number 10266 Cap. 4650
 Bottom Recorder Depth (Outside) 3319 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. -----
 Drilling Contractor Roco Drilling Rig #1 Drill Collar Length ----- I. D. ----- in.
 Mud Type Starch Viscosity 42 Weight Pipe Length 316 I. D. 2.7 in.
 Weight 9.8 Water Loss 15.0 cc. Drill Pipe Length 2972 I. D. 3.8 in.
 Chlorides 80,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
 Jars: Make ----- Serial Number ----- Anchor Length 35 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out ----- Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.
 Blow: 3 inch blow slowly increasing to bottom of bucket initial flow period. Very weak, blow
died in 14 minutes final flow period. Flushed tool 1 inch, blow increased to 12" in bucket
 Recovered 90 ft. of mud.
 Recovered 420 ft. of very slightly oil, cut mud.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks: Open tool at 2:23. Loose 25 feet mud. Pull tools loose. Reopen tool, hole stayed full.

Time Set Packer(s)	<u>2:30</u>	XXX P.M.	Time Started Off Bottom	<u>4:32</u>	XXX P.M.	Maximum Temperature	<u>116</u>
Initial Hydrostatic Pressure	(A)	<u>1728</u>		P.S.I.			
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>108</u>	P.S.I. to (C)	<u>279</u>	P.S.I.
Initial Closed In Period	Minutes	<u>27</u>	(D)	<u>738</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>329</u>	P.S.I. to (F)	<u>406</u>	P.S.I.
Final Closed In Period	Minutes	<u>30</u>	(G)	<u>881</u>	P.S.I.		
Final Hydrostatic Pressure	(H)	<u>1723</u>		P.S.I.			

WESTERN TESTING CO., INC.

Pressure Data

Date 9-28-80

Test Ticket No. 7394

Recorder No. 10266 Capacity 4650 Location 3316 Ft.

Clock No. ----- Elevation 1807 Kelly Bushing Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1728</u> P.S.I.	Open Tool	<u>2:30</u> P M	
B First Initial Flow Pressure	<u>108</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>279</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>738</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>329</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>406</u> P.S.I.			
G Final Closed-in Pressure	<u>881</u> P.S.I.			
H Final Hydrostatic Mud	<u>1723</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>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>108</u>	<u>0</u>	<u>279</u>	<u>0</u>	<u>329</u>	<u>0</u>	<u>406</u>
P 2 <u>5</u> Flushed tool		<u>3</u>	<u>371</u>	<u>5</u>	<u>310</u>	<u>3</u>	<u>1042</u>
P 3 <u>10</u>	<u>169</u>	<u>6</u>	<u>460</u>	<u>10</u>	<u>293</u>	<u>6</u>	<u>1016</u>
P 4 <u>15</u>	<u>195</u>	<u>9</u>	<u>528</u>	<u>15</u> Flushed Tool		<u>9</u>	<u>981</u>
P 5 <u>20</u>	<u>251</u>	<u>12</u>	<u>577</u>	<u>20</u>	<u>293</u>	<u>12</u>	<u>958</u>
P 6 <u>25</u>	<u>272</u>	<u>15</u>	<u>626</u>	<u>25</u>	<u>350</u>	<u>15</u>	<u>939</u>
P 7 <u>30</u>	<u>279</u>	<u>18</u>	<u>659</u>	<u>30</u>	<u>406</u>	<u>18</u>	<u>923</u>
P 8		<u>21</u>	<u>689</u>			<u>21</u>	<u>904</u>
P 9		<u>24</u>	<u>710</u>			<u>24</u>	<u>893</u>
P10		<u>27</u>	<u>738</u>			<u>27</u>	<u>886</u>
P11						<u>30</u>	<u>881</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							