



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Adair Oil Co. & Fickrell Drilling Co. Lease & Well No. Hendrickson # 3
Elevation 2322 Kelly Bushing Formation Ft. Scott Effective Pay _____ Ft. Ticket No. 12934
Date 9-12-69 Sec. 20 Twp. 21s Range 24w County Hodgeman State Kansas
Test Approved by Sherill Compton Western Representative Dean Blagrave

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 4300' to 4333' Total Depth 4333'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Packer Depth 4295 Ft. Size 3/4 Packer Depth 4300 Ft. Size 6 3/4
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 33 Ft. Size 5 1/2" OD

RECORDERS Depth 4324 Ft. Clock No. 6895 Depth 4327 Ft. Clock No. 6774
Top Make Amerada Cap. 4350 No. 2606 Inside Bottom Make Amerada Cap. 4300 No. 1567 Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside

Time Set Packer 12:13A M
Tool Open I.F.P. From 12:14 M. to 12:44A M. Hr. 30 Min. From (B) 51 P.S.I. To (C) 58 P.S.I.
Tool Closed I.C.I.P. From 12:44 M. to 1:14A M. Hr. 30 Min. (D) 194 P.S.I.
Tool Open F.F.P. From 1:14 M. to 2:44A M. 1 Hr. 30 Min. From (E) 63 P.S.I. To (F) 76 P.S.I.
Tool Closed F.C.I.P. From 2:44 M. to 3:29A M. Hr. 45 Min. (G) 266 P.S.I.
Initial Hydrostatic Pressure (A) 2273 P.S.I. Final Hydrostatic Pressure (H) 2254 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak increasing to #60d Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 230 feet gas in pipe-- 70 feet oil and gas cut mud

Reversed Out _____ Yes No _____ Mud Type starch Viscosity 47 Weight 9.7 Water Loss 10 cc. Maximum Temp 122 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 950 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 51 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 9-12-69 Test Ticket No. 12934
 Recorder No. 2606 Capacity 4150 Location 4324 Ft.
 Clock No. 6895 Elevation 2322 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2273</u>	P.S.I.	<u>12:14A</u> M	
B First Initial Flow Pressure	<u>51</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>58</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>194</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>63</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>76</u>	P.S.I.		
G Final Closed-in Pressure	<u>266</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2254</u>	P.S.I.		

PRESSURE BREAKDOWN

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

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

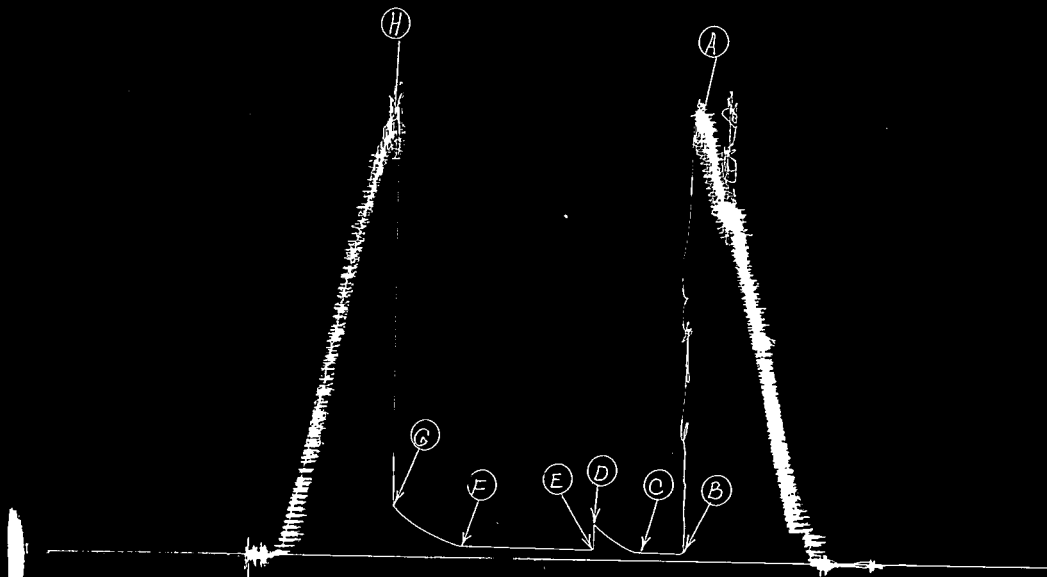
Second Flow Pressure
 Breakdown: 18 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

Final Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>58</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>76</u>
P 2	<u>5</u>	<u>3</u>	<u>66</u>	<u>5</u>	<u>63</u>	<u>3</u>	<u>83</u>
P 3	<u>10</u>	<u>6</u>	<u>94</u>	<u>10</u>	<u>63</u>	<u>6</u>	<u>89</u>
P 4	<u>15</u>	<u>9</u>	<u>87</u>	<u>15</u>	<u>63</u>	<u>9</u>	<u>99</u>
P 5	<u>20</u>	<u>12</u>	<u>99</u>	<u>20</u>	<u>65</u>	<u>12</u>	<u>108</u>
P 6	<u>25</u>	<u>15</u>	<u>110</u>	<u>25</u>	<u>65</u>	<u>15</u>	<u>116</u>
P 7	<u>30</u>	<u>18</u>	<u>124</u>	<u>30</u>	<u>65</u>	<u>18</u>	<u>127</u>
P 8		<u>21</u>	<u>137</u>	<u>35</u>	<u>67</u>	<u>21</u>	<u>135</u>
P 9		<u>24</u>	<u>153</u>	<u>40</u>	<u>67</u>	<u>24</u>	<u>146</u>
P10		<u>27</u>	<u>170</u>	<u>45</u>	<u>69</u>	<u>27</u>	<u>160</u>
P11		<u>30</u>	<u>194</u>	<u>50</u>	<u>69</u>	<u>30</u>	<u>171</u>
P12				<u>55</u>	<u>69</u>	<u>33</u>	<u>187</u>
P13				<u>60</u>	<u>71</u>	<u>36</u>	<u>203</u>
P14				<u>65</u>	<u>71</u>	<u>39</u>	<u>223</u>
P15				<u>70</u>	<u>71</u>	<u>42</u>	<u>243</u>
P16				<u>75</u>	<u>73</u>	<u>45</u>	<u>266</u>
P17				<u>80</u>	<u>74</u>		
P18				<u>85</u>	<u>75</u>		
P19				<u>90</u>	<u>76</u>		
P20							

Adair Oil Co. & Pickrell DrLg. Co.
Hendrickson #3

T.K.T. # 12934
Test # 1





Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Adair Oil Co. & Pickrell Drilling Co. Lease & Well No. Hendrickson # 3
Elevation 2322 Kelly Bushing Formation Mississippian Effective Pay _____ Ft. Ticket No. 12935
Date 9-13-69 Sec. 20 Twp. 21s Range 24w County Hodgeman State Kansas
Test Approved by Sherrill Compton Western Representative Dean Blagrove

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 4423' to 4436' Total Depth 4436'
Size Main Hole 7 7/8 at Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4418 Ft. Size 6 3/4 Packer Depth 4423 Ft. Size 6 3/4
Straddle Yes _____ No Conv. _____ B.T. Damaged Yes _____ No

Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 13 Ft. Size 5 1/2" OD

RECORDERS Depth 4428 Ft. Clock No. 6895 Depth 4431 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside Outside Depth _____ Ft. Clock No. _____ Inside Outside
Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside

Time Set Packer 3:02A M
Tool Open I.F.P. From 3:03 M. to 3:33A M. Hr. 30 Min. From (B) 39 P.S.I. To (C) 37 P.S.I.
Tool Closed I.C.I.P. From 3:33 M. to 4:03A M. Hr. 30 Min. (D) 1288 P.S.I.
Tool Open F.F.P. From 4:03 M. to 4:33A M. Hr. 30 Min. From (E) 46 P.S.I. To (F) 51 P.S.I.
Tool Closed F.C.I.P. From 4:33 M. to 5:03A M. Hr. 30 Min. (G) 1240 P.S.I.
Initial Hydrostatic Pressure (A) 2312 P.S.I. Final Hydrostatic Pressure (H) 2287 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak for 30 minutes very weak for 5 minutes Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 60 feet oil cut mud

Reversed Out Yes No _____ Mud Type starch Viscosity 49 Weight 9.5 Water Loss 9.2 cc. Maximum Temp. 126 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe 3/8 in. Length Weight Pipe 95-0 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 31 ft.

Remarks Flushed tool at 15 minutes on final flow

WESTERN TESTING CO., INC.
Pressure Data

Date 9-13-69 Test Ticket No. 12935
 Recorder No. 2606 Capacity 4150 Location 4428 Ft.
 Clock No. _____ Elevation 2322 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2312</u>	P.S.I.	<u>3:03A</u>	<u>M</u>
B First Initial Flow Pressure	<u>39</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>37</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1288</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>46</u>	P.S.I.	<u>30</u> Mins.	<u>32</u> Mins.
F Second Final Flow Pressure	<u>51</u>	P.S.I.		
G Final Closed-in Pressure	<u>1240</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2287</u>	P.S.I.		

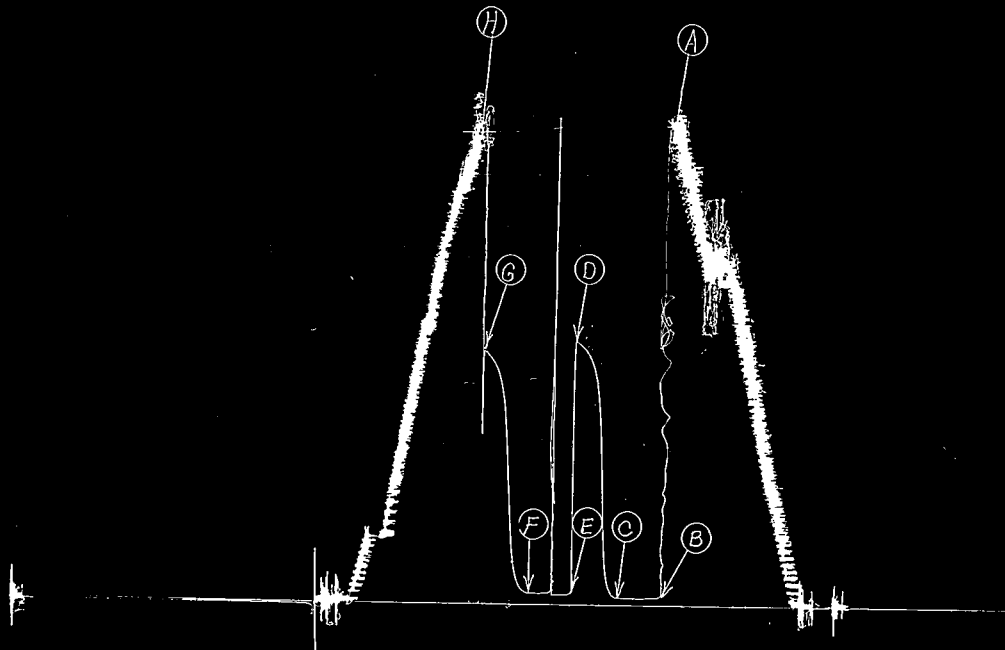
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>39</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>51</u>
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>54</u>	<u>5</u>	<u>46</u>	<u>3</u>	<u>64</u>
P 3 <u>10</u>	<u>34</u>	<u>6</u>	<u>97</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>87</u>
P 4 <u>15</u>	<u>34</u>	<u>9</u>	<u>387</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>153</u>
P 5 <u>20</u>	<u>36</u>	<u>12</u>	<u>894</u>	<u>20</u>	<u>flushed tool</u>	<u>12</u>	<u>312</u>
P 6 <u>25</u>	<u>37</u>	<u>15</u>	<u>1091</u>	<u>25</u>	<u>51</u>	<u>15</u>	<u>783</u>
P 7 <u>30</u>	<u>37</u>	<u>18</u>	<u>1184</u>	<u>30</u>	<u>51</u>	<u>18</u>	<u>1002</u>
P 8 _____	_____	<u>21</u>	<u>1235</u>	_____	_____	<u>21</u>	<u>1122</u>
P 9 _____	_____	<u>24</u>	<u>1257</u>	_____	_____	<u>25</u>	<u>1174</u>
P10 _____	_____	<u>27</u>	<u>1275</u>	_____	_____	<u>27</u>	<u>1205</u>
P11 _____	_____	<u>30</u>	<u>1288</u>	_____	_____	<u>30</u>	<u>1234 1234</u>
P12 _____	_____	_____	_____	_____	_____	<u>32</u>	<u>1240</u>
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Adair Oil Co. & Pickrell Dr. Lg. Co.
Hendrickson #3

T.K.T. # 12935
Test # 2





Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Adair Oil Co. & Pickrell Drilling Co. Lease & Well No. Henderickson # 3
Elevation 2322 Kelly bushing Formation Mississippian Effective Pay _____ Ft. Ticket No. 12936
Date 9-13-69 Sec. 20 Twp. 21s Range 24w County Hodgeman State Kansas
Test Approved by Sherrill Compton Western Representative Dean Biagrave

Formation Test No. 3 O.K. Misrun _____ Interval Tested From 4425' to 4443' Total Depth 4443'
Size Main Hole 7 7/8 at Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. _____ Damaged Yes No
Packer Depth 4420 Ft. Size 6 3/4 Packer Depth 4425 Ft. Size 6 3/4
Straddle Yes _____ No Conv. _____ B.T. _____ Damaged Yes _____ No _____

Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 18 Ft. Size 5 1/2" OD
Packer Depth _____ Ft. Size _____

RECORDERS Depth 4434 Ft. Clock No. 6895 Depth 4437 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Bottom Make Amerada Cap. 4300 No. 1567 Inside
Below Straddle: Depth _____ Clock No. _____ Depth _____ Ft. Clock No. _____
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside

Time Set Packer 4:21P M
Tool Open I.F.P. From 4:22 M. to 4:52P M. Hr. 30 Min. From (B) 37 P.S.I. To (C) 79' P.S.I.
Tool Closed I.C.I.P. From 4:52 M. to 5:22P M. Hr. 30 Min. (D) 1289 P.S.I.
Tool Open F.F.P. From 5:22 M. to 6:52P M. 1 Hr. 30 Min. From (E) 101 P.S.I. To (F) 212 P.S.I.
Tool Closed F.C.I.P. From 6:52 M. to 7:37P M. Hr. 45 Min. (G) 1248 P.S.I.
Initial Hydrostatic Pressure (A) 2312 P.S.I. Final Hydrostatic Pressure (H) 2301 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak increasing to good Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 100 feet gas in pipe 00 410 feet muddy oil-- 30 feet
very heavy oil cut watery mud (20% water)

Reversed Out Yes No _____ Mud Type starch Viscosity 46 Weight 9.6 Water Loss 8.8 cc. Maximum Temp. 126 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 950 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 36 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 9-13-69 Test Ticket No. 12936
 Recorder No. 2606 Capacity 4150 Location 4434 Ft.
 Clock No. 6895 Elevation 2322 Kelly Pushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2312</u> P.S.I.	Open Tool	<u>4:22P</u> M	
B First Initial Flow Pressure	<u>37</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>79</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>31</u> Mins.
D Initial Closed-in Pressure	<u>1289</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>89</u> Mins.
E Second Initial Flow Pressure	<u>101</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>212</u> P.S.I.			
G Final Closed-in Pressure	<u>1248</u> P.S.I.			
H Final Hydrostatic Mud	<u>2301</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>17</u> Inc.	Breakdown:	<u>15</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	_____ Min.	final inc. of	<u>1</u> Min.	final inc. of	<u>4</u> Min.	final inc. of	_____ Min.
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>212</u>
P 2	<u>5</u>	<u>3</u>	<u>634</u>	<u>5</u>	<u>108</u>	<u>3</u>	<u>958</u>
P 3	<u>10</u>	<u>6</u>	<u>111</u>	<u>10</u>	<u>112</u>	<u>6</u>	<u>1049</u>
P 4	<u>15</u>	<u>9</u>	<u>1173</u>	<u>15</u>	<u>118</u>	<u>9</u>	<u>1099</u>
P 5	<u>20</u>	<u>12</u>	<u>1203</u>	<u>20</u>	<u>124</u>	<u>12</u>	<u>1126</u>
P 6	<u>25</u>	<u>15</u>	<u>1227</u>	<u>25</u>	<u>130</u>	<u>15</u>	<u>1149</u>
P 7	<u>30</u>	<u>18</u>	<u>1244</u>	<u>30</u>	<u>139</u>	<u>18</u>	<u>1167</u>
P 8		<u>21</u>	<u>1256</u>	<u>35</u>	<u>146</u>	<u>21</u>	<u>1182</u>
P 9		<u>24</u>	<u>1267</u>	<u>40</u>	<u>152</u>	<u>24</u>	<u>1194</u>
P10		<u>27</u>	<u>1277</u>	<u>45</u>	<u>158</u>	<u>27</u>	<u>1205</u>
P11		<u>30</u>	<u>1286</u>	<u>50</u>	<u>164</u>	<u>30</u>	<u>1213</u>
P12		<u>31</u>	<u>1289</u>	<u>55</u>	<u>181</u>	<u>33</u>	<u>1221</u>
P13				<u>60</u>	<u>177</u>	<u>36</u>	<u>1229</u>
P14				<u>65</u>	<u>183</u>	<u>39</u>	<u>1235</u>
P15				<u>70</u>	<u>188</u>	<u>42</u>	<u>1242</u>
P16				<u>75</u>	<u>194</u>	<u>42</u>	<u>1242</u>
P17				<u>80</u>	<u>200</u>		
P18				<u>85</u>	<u>206</u>		
P19				<u>89</u>	<u>212</u>		
P20							

Adair Oil Co. & Pickrell D. Lg. Co.
Hendrickson #3

T.K.T. # 12936
Test # 3

