



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

Company Imperial Oil Co. Lease & Well No. EWB Ranch A-2
Elevation 1494 Kelly Bush. Formation Cherokee Effective Pay - Ft. Ticket No. 25307
Date 4-23-75 Sec. 7 Twp. 35S Range 14W County Barber State Kansas
Test Approved by Bill Iverson Western Representative Guy M. Knipe
Formation Test No. 1 O.K. X Misrun - Interval Tested From 4835' to 4857' Total Depth 4857'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth 4830 Ft. Size 6 3/4 Bottom Packer Depth 4835 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 540D Tool Joint Size 4 1/2 FH Anchor Length 22 Ft. Size 540D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4849 Ft. Clock No. 6894 Depth 4852 Ft. Clock No. 8376
Top Make Kuster Cap. 4150 No. 2606 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 8:50 A M
Tool Open I.F.P. From 8:55 A M. to 9:55A M. - Hr. 60 Min. From (B) 43 P.S.I. To (C) 45 P.S.I.
Tool Closed I.C.I.P. From 9:55A M. to 11:55A M. - Hr. 120 Min (D) 252 P.S.I.
Tool Open F.F.P. From 11:55A M. to 2:55P M. 3 Hr. - Min. From (E) 46 P.S.I. To (F) 46 P.S.I.
Tool Closed F.C.I.P. From 2:55P M. to 4:55P M. - Hr. 120 Min. (G) 360 P.S.I.
Initial Hydrostatic Pressure (A) 2370 P.S.I. Final Hydrostatic Pressure (H) 2422 P.S.I. Maximum Temp. 126

INFORMATION

BLOW 12" blow decreased to 2" blow by end of second flow period.
Did Well Flow - Yes X No Recovery Total Ft. 15' slightly oil and gas cut mud, 600' gas in pipe.
Reversed Out - Yes X No Mud Type Starch Viscosity 51 Weight 9.8 Water Loss 12.4 cc. Chlorides 42,000 PPM
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Yes Jars: Size 4 3/4 In. Make WTC Ser. No. 410
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
DRILLING CONTRACTOR Red Tiger Drilling Co. Rig #6 Length Drill Pipe? 3670 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 1136 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.
Tool Joint Size - In. Length D.S.T. Tool 51 Ft.
Remarks:

WESTERN TESTING CO., INC. Pressure Data

Date 4-23-75 Recorder No. 2606 Capacity 4150 Test Ticket No. 25307
Clock No. 6894 Elevation 1494 Kelly Bushing Location 4849 Ft.
Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2370</u>	P.S.I.	<u>8:50 A</u>	
B First Initial Flow Pressure	<u>43</u>	P.S.I.	<u>60</u>	<u>60</u>
C First Final Flow Pressure	<u>45</u>	P.S.I.	<u>120</u>	<u>117</u>
D Initial Closed-in Pressure	<u>252</u>	P.S.I.	<u>180</u>	<u>180</u>
E Second Initial Flow Pressure	<u>46</u>	P.S.I.	<u>120</u>	<u>120</u>
F Second Final Flow Pressure	<u>46</u>	P.S.I.		
G Final Closed-in Pressure	<u>360</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2422</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>39</u> Inc.		Breakdown: <u>36</u> Inc.		Breakdown: <u>40</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>43</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>46</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>46</u>	<u>3</u>	<u>52</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>56</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>60</u>
P 4 <u>15</u>	<u>43</u>	<u>9</u>	<u>64</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>70</u>
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>72</u>	<u>20</u>	<u>46</u>	<u>12</u>	<u>80</u>
P 6 <u>25</u>	<u>44</u>	<u>15</u>	<u>80</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>89</u>
P 7 <u>30</u>	<u>44</u>	<u>18</u>	<u>86</u>	<u>30</u>	<u>46</u>	<u>18</u>	<u>89</u>
P 8 <u>35</u>	<u>44</u>	<u>21</u>	<u>93</u>	<u>35</u>	<u>46</u>	<u>21</u>	<u>109</u>
P 9 <u>40</u>	<u>44</u>	<u>24</u>	<u>99</u>	<u>40</u>	<u>46</u>	<u>24</u>	<u>120</u>
P10 <u>45</u>	<u>44</u>	<u>27</u>	<u>105</u>	<u>45</u>	<u>46</u>	<u>27</u>	<u>127</u>
P11 <u>50</u>	<u>45</u>	<u>30</u>	<u>109</u>	<u>50</u>	<u>46</u>	<u>30</u>	<u>135</u>
P12 <u>55</u>	<u>45</u>	<u>33</u>	<u>114</u>	<u>55</u>	<u>46</u>	<u>33</u>	<u>145</u>
P13 <u>60</u>	<u>45</u>	<u>36</u>	<u>120</u>	<u>60</u>	<u>46</u>	<u>36</u>	<u>153</u>
		<u>39</u>	<u>125</u>	<u>65</u>	<u>46</u>	<u>39</u>	<u>162</u>
		<u>42</u>	<u>131</u>	<u>70</u>	<u>46</u>	<u>42</u>	<u>170</u>
		<u>45</u>	<u>135</u>	<u>75</u>	<u>46</u>	<u>45</u>	<u>178</u>
		<u>48</u>	<u>141</u>	<u>80</u>	<u>46</u>	<u>48</u>	<u>187</u>
		<u>51</u>	<u>147</u>	<u>85</u>	<u>46</u>	<u>51</u>	<u>197</u>
		<u>54</u>	<u>152</u>	<u>90</u>	<u>46</u>	<u>54</u>	<u>205</u>
		<u>57</u>	<u>156</u>	<u>95</u>	<u>46</u>	<u>57</u>	<u>213</u>
		<u>60</u>	<u>161</u>	<u>100</u>	<u>46</u>	<u>60</u>	<u>220</u>
		<u>63</u>	<u>166</u>	<u>105</u>	<u>46</u>	<u>63</u>	<u>229</u>
		<u>66</u>	<u>172</u>	<u>110</u>	<u>46</u>	<u>66</u>	<u>236</u>
		<u>69</u>	<u>178</u>	<u>115</u>	<u>46</u>	<u>69</u>	<u>242</u>
		<u>72</u>	<u>183</u>	<u>120</u>	<u>46</u>	<u>72</u>	<u>250</u>
		<u>75</u>	<u>188</u>	<u>125</u>	<u>46</u>	<u>75</u>	<u>257</u>
		<u>78</u>	<u>193</u>	<u>130</u>	<u>46</u>	<u>78</u>	<u>264</u>
		<u>81</u>	<u>198</u>	<u>135</u>	<u>46</u>	<u>81</u>	<u>270</u>
		<u>84</u>	<u>203</u>	<u>140</u>	<u>46</u>	<u>84</u>	<u>277</u>
		<u>87</u>	<u>208</u>	<u>145</u>	<u>46</u>	<u>87</u>	<u>285</u>

Continued.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-23-75Test Ticket No. 25307Recorder No. 2606Capacity 4150Location 4849 Ft.Clock No. 6894Elevation 1494 Kelly BushingWell Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: <u>39</u> Inc.		Breakdown: <u>36</u> Inc.		Breakdown: <u>40</u> Inc.	
of _____ 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>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>90</u>	<u>211</u>	<u>150</u>	<u>46</u>	<u>90</u>	<u>291</u>
P 2		<u>93</u>	<u>216</u>	<u>155</u>	<u>46</u>	<u>93</u>	<u>300</u>
		<u>96</u>	<u>220</u>	<u>160</u>	<u>46</u>	<u>96</u>	<u>307</u>
P 3		<u>99</u>	<u>225</u>	<u>165</u>	<u>46</u>	<u>99</u>	<u>314</u>
		<u>102</u>	<u>229</u>	<u>170</u>	<u>46</u>	<u>102</u>	<u>321</u>
P 4		<u>105</u>	<u>234</u>	<u>175</u>	<u>46</u>	<u>105</u>	<u>329</u>
		<u>108</u>	<u>239</u>	<u>180</u>	<u>46</u>	<u>108</u>	<u>336</u>
P 5		<u>111</u>	<u>243</u>			<u>111</u>	<u>342</u>
		<u>114</u>	<u>249</u>			<u>114</u>	<u>350</u>
P 6		<u>117</u>	<u>252</u>			<u>117</u>	<u>355</u>
						<u>120</u>	<u>360</u>
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

THT # 25307

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(H)

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(F)

(E)

(D)

(C)

(B)



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

Company Imperial Oil Co. Lease & Well No. EWB Ranch A-2
Elevation 1494 Kelly Bush. Formation Simpson Effective Pay - Ft. Ticket No. 25308
Date 4-24-75 Sec. 7 Twp. 35S Range 14W County Barber State Kansas
Test Approved by Bill Iverson Western Representative M.R. Halfhill
Formation Test No. 2 O.K. X Misrun - Interval Tested From 4867' to 4879' Total Depth 4879'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth 4862 Ft. Size 6 3/4 Bottom Packer Depth 4867 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 9 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4871 Ft. Clock No. 6894 Depth 4874 Ft. Clock No. 8376
Top Make Kuster Cap. 4150 No. 2606 Inside Outside Bottom Make Kuster Cap. 4400 No. 2606 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 6:25 A M
Tool Open I.F.P. From 6:30A M. to 7:30A M. - Hr. 60 Min. From (B) 23 P.S.I. To (C) 24 P.S.I.
Tool Closed I.C.I.P. From 7:30A M. to 9:30A M. 2 Hr. - Min (D) 27 P.S.I.
Tool Open F.F.P. From 9:30A M. to 11:00A M. 1 Hr. 30 Min. From (E) 25 P.S.I. To (F) 25 P.S.I.
Tool Closed F.C.I.P. From 11:00A M. to 1:00P M. 2 Hr. - Min. (G) 116 P.S.I.
Initial Hydrostatic Pressure (A) 2580 P.S.I. Final Hydrostatic Pressure (H) 2565 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Fair decreasing to weak blow, died after 1 hour into second flow period.
Did Well Flow - Yes X No Recovery Total Ft. 5' slightly gas cut drilling mud, 360' gas in pipe.
Reversed Out - Yes X No Mud Type Starch Viscosity 53 Weight 9.8 Water Loss 10.4 cc. Chlorides 48,000 PPM
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Yes Jars: Size 4 3/4 In. Make WTC Ser. No. 410
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
DRILLING CONTRACTOR Red Tiger Drilling Co. Rig 6 Length Drill Pipe 3703 Ft. I.D. Drill Pipe 3.9 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe 1136 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.
Tool Joint Size - In. Length D.S.T. Tool 40 Ft.
Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 4-24-75 Recorder No. 2606 Capacity 4150 Test Ticket No. 25308
 Clock No. 6894 Elevation 1494 Kelly Bushing Location 4871 Ft.
 Well Temperature 126 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2580</u> P.S.I.	<u>6:25 A</u>	
B First Initial Flow Pressure	<u>23</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>24</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
D Initial Closed-in Pressure	<u>27</u> P.S.I.	<u>90</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>25</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure	<u>25</u> P.S.I.		
G Final Closed-in Pressure	<u>116</u> P.S.I.		
H Final Hydrostatic Mud	<u>2565</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>40</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>40</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>23</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>25</u>
P 2	<u>23</u>	<u>3</u>	<u>24</u>	<u>5</u>	<u>25</u>	<u>3</u>	<u>20</u>
P 3	<u>23</u>	<u>6</u>	<u>24</u>	<u>10</u>	<u>25</u>	<u>6</u>	<u>32</u>
P 4	<u>23</u>	<u>9</u>	<u>24</u>	<u>15</u>	<u>25</u>	<u>9</u>	<u>35</u>
P 5	<u>23</u>	<u>12</u>	<u>24</u>	<u>20</u>	<u>25</u>	<u>12</u>	<u>37</u>
P 6	<u>23</u>	<u>15</u>	<u>24</u>	<u>25</u>	<u>25</u>	<u>15</u>	<u>40</u>
P 7	<u>24</u>	<u>18</u>	<u>24</u>	<u>30</u>	<u>25</u>	<u>18</u>	<u>43</u>
P 8	<u>24</u>	<u>21</u>	<u>24</u>	<u>35</u>	<u>25</u>	<u>21</u>	<u>46</u>
P 9	<u>24</u>	<u>24</u>	<u>24</u>	<u>40</u>	<u>25</u>	<u>24</u>	<u>48</u>
P 10	<u>24</u>	<u>27</u>	<u>24</u>	<u>45</u>	<u>25</u>	<u>27</u>	<u>51</u>
P 11	<u>24</u>	<u>30</u>	<u>24</u>	<u>50</u>	<u>25</u>	<u>30</u>	<u>54</u>
P 12	<u>24</u>	<u>33</u>	<u>24</u>	<u>55</u>	<u>25</u>	<u>33</u>	<u>57</u>
P 13	<u>24</u>	<u>36</u>	<u>25</u>	<u>60</u>	<u>25</u>	<u>36</u>	<u>59</u>
P 14		<u>39</u>	<u>25</u>	<u>65</u>	<u>25</u>	<u>39</u>	<u>62</u>
P 15		<u>42</u>	<u>25</u>	<u>70</u>	<u>25</u>	<u>42</u>	<u>66</u>
P 16		<u>45</u>	<u>25</u>	<u>75</u>	<u>25</u>	<u>45</u>	<u>69</u>
P 17		<u>48</u>	<u>25</u>	<u>80</u>	<u>25</u>	<u>48</u>	<u>71</u>
P 18		<u>51</u>	<u>25</u>	<u>85</u>	<u>25</u>	<u>51</u>	<u>73</u>
P 19		<u>54</u>	<u>25</u>			<u>54</u>	<u>75</u>
P 20		<u>57</u>	<u>25</u>			<u>57</u>	<u>78</u>
		<u>60</u>	<u>25</u>			<u>60</u>	<u>81</u>
		<u>63</u>	<u>25</u>			<u>63</u>	<u>83</u>
		<u>66</u>	<u>25</u>			<u>66</u>	<u>85</u>
		<u>69</u>	<u>25</u>			<u>69</u>	<u>86</u>
		<u>72</u>	<u>25</u>			<u>72</u>	<u>88</u>
		<u>75</u>	<u>25</u>			<u>75</u>	<u>89</u>
		<u>78</u>	<u>26</u>			<u>78</u>	<u>92</u>
		<u>81</u>	<u>26</u>			<u>81</u>	<u>93</u>
		<u>84</u>	<u>26</u>			<u>84</u>	<u>96</u>
		<u>87</u>	<u>26</u>			<u>87</u>	<u>98</u>

Continued.

WESTERN TESTING CO., INC. Pressure Data

Date 4-24-75 Test Ticket No. 25308
 Recorder No. 2606 Capacity 4150 Location 4871 Ft.
 Clock No. 6894 Elevation 1494 Kelly Bushing Well Temperature 126 °F

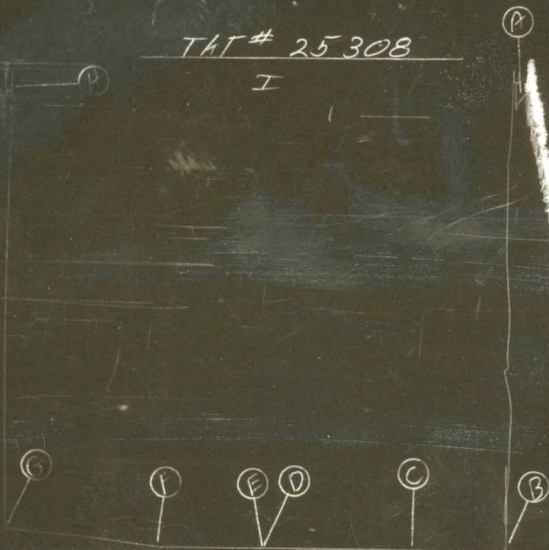
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins. Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins. Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins. Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins. Mins.
F Second Final Flow Pressure	P.S.I.		
G Final Closed-in Pressure	P.S.I.		
H Final Hydrostatic Mud	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: Inc.		Breakdown: <u>40</u> Inc.		Breakdown: Inc.		Breakdown: <u>40</u> Inc.	
of mins. and a		of <u>3</u> mins. and a		of mins. and a		of <u>3</u> mins. and a	
final inc. of Min.		final inc. of <u>0</u> Min.		final inc. of Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		90	26			90	100
P 2		93	26			93	102
		96	26			96	104
P 3		99	26			99	106
		102	27			102	108
P 4		105	27			105	110
		108	27			108	112
P 5		111	27			111	114
		114	27			114	115
P 6		117	27			117	116
		120	27			120	116
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TAT # 25308

I





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

Company **Imperial Oil Co.** Lease & Well No. **EWB Ranch A-2**
Elevation **1494 Kelly Bush.** Formation **Mississippi** Effective Pay **-** Ft. Ticket No. **25309**
Date **4-25-75** Sec. **7** Twp. **35S** Range **14W** County **Barber** State **Kansas**
Test Approved by **Bill Iverson** Western Representative **M.R. Halfhill**
Formation Test No. **3** O.K. **X** Misrun **-** Interval Tested From **4892'** to **4919'** Total Depth **4919'**
Size Main Hole **7 7/8** Rat Hole **-** Conv. **-** B.T. **X** Damaged **-** Yes **X** No Conv. **X** B.T. **-** Damaged **-** Yes **X** No
Top Packer Depth **4892** Ft. Size **6 3/4** Bottom Packer Depth **4919** Ft. Size **6 3/4**
Straddle **-** Conv. **-** B.T. **-** Damaged **-** Yes **-** No Packer Depth **-** Ft. Size **-**
Tool Size **540D** Tool Joint Size **4 1/2 FH** Anchor Length **27** Ft. Size **540D** Surface Choke Size **3/4** In. Bottom Choke Size **3/4** In.
RECORDERS Depth **4911** Ft. Clock No. **6894** Depth **4914** Ft. Clock No. **8376**
Top Make **Kuster** Cap. **4150** No. **2606** 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 **4:25 A** M
Tool Open I.F.P. From **4:30A** M. to **5:30A** M. **-** Hr. **60** Min. From (B) **79** P.S.I. To (C) **116** P.S.I.
Tool Closed I.C.I.P. From **5:30A** M. to **7:30A** M. **2** Hr. **-** Min (D) **1890** P.S.I.
Tool Open F.F.P. From **7:30A** M. to **10:30A** M. **3** Hr. **-** Min. From (E) **123** P.S.I. To (F) **285** P.S.I.
Tool Closed F.C.I.P. From **10:30A** M. to **12:30P** M. **2** Hr. **-** Min. (G) **1864** P.S.I.
Initial Hydrostatic Pressure (A) **2688** P.S.I. Final Hydrostatic Pressure (H) **2540** P.S.I. Maximum Temp. **126**

INFORMATION

BLOW **Strong throughout test. Gas to surface in 14 minutes.**
Did Well Flow **Gas** Yes **-** No Recovery Total Ft. **377' froggy gassy oil, 496' muddy gassy oil.**
Reversed Out **-** Yes **X** No Mud Type **Starch** Viscosity **88** Weight **10** Water Loss **5.2** cc. Chlorides **48,000 PPM**
EXTRA EQUIPMENT: Type Circ. Sub. **pin** Safety Joint **Yes** Jars: Size **4 3/4** In. Make **WTC** Ser. No. **410**
Dual Packer **Yes** Did Packers Hold? **Yes** Did Tool Plug? **No** Where? **-**
DRILLING CONTRACTOR **Red Tiger Drilling Co.** Rig # **56** Length Drill Pipe? **3700** Ft. I.D. Drill Pipe **3.8** In. Tool Joint Size **4 1/2 FH** In.
Length Weight Pipe **1136** Ft. I.D. Weight Pipe **2.7** In. Tool Joint Size **4 1/2 FH** In. Length Drill Collars **-** Ft. I.D. Drill Collars **-** In.
Tool Joint Size **-** In. Length D.S.T. Tool **56** Ft.
Remarks: **See attached sheet for gas measurements.**

WESTERN TESTING CO., INC.

Pressure Data

Date 4-25-75 Recorder No. 2606 Capacity 4150 Test Ticket No. 25309
 Clock No. 6894 Elevation 1494 Kelly Bushing Location 4911 Ft. 126 Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2688</u>	P.S.I.	<u>4:25 A</u>	
B First Initial Flow Pressure	<u>79</u>	P.S.I.	<u>60</u>	<u>60</u>
C First Final Flow Pressure	<u>116</u>	P.S.I.	<u>120</u>	<u>120</u>
D Initial Closed-in Pressure	<u>1890</u>	P.S.I.	<u>180</u>	<u>180</u>
E Second Initial Flow Pressure	<u>123</u>	P.S.I.	<u>120</u>	<u>126</u>
F Second Final Flow Pressure	<u>285</u>	P.S.I.		
G Final Closed-in Pressure	<u>1864</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2540</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>40</u> Inc.		Breakdown: <u>36</u> Inc.		Breakdown: <u>42</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>79</u>	<u>0</u>	<u>116</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>285</u>
P 2	<u>71</u>	<u>3</u>	<u>796</u>	<u>5</u>	<u>124</u>	<u>3</u>	<u>620</u>
P 3	<u>72</u>	<u>6</u>	<u>1282</u>	<u>10</u>	<u>127</u>	<u>6</u>	<u>940</u>
P 4	<u>73</u>	<u>9</u>	<u>1544</u>	<u>15</u>	<u>130</u>	<u>9</u>	<u>1262</u>
P 5	<u>74</u>	<u>12</u>	<u>1700</u>	<u>20</u>	<u>138</u>	<u>12</u>	<u>1490</u>
P 6	<u>79</u>	<u>15</u>	<u>1765</u>	<u>25</u>	<u>146</u>	<u>15</u>	<u>1655</u>
P 7	<u>83</u>	<u>18</u>	<u>1800</u>	<u>30</u>	<u>152</u>	<u>18</u>	<u>1726</u>
P 8	<u>87</u>	<u>21</u>	<u>1818</u>	<u>35</u>	<u>158</u>	<u>21</u>	<u>1752</u>
P 9	<u>94</u>	<u>24</u>	<u>1828</u>	<u>40</u>	<u>165</u>	<u>24</u>	<u>1767</u>
P10	<u>100</u>	<u>27</u>	<u>1836</u>	<u>45</u>	<u>172</u>	<u>27</u>	<u>1778</u>
P11	<u>105</u>	<u>30</u>	<u>1843</u>	<u>50</u>	<u>179</u>	<u>30</u>	<u>1786</u>
P12	<u>113</u>	<u>33</u>	<u>1848</u>	<u>55</u>	<u>187</u>	<u>33</u>	<u>1795</u>
P13	<u>116</u>	<u>36</u>	<u>1853</u>	<u>60</u>	<u>193</u>	<u>36</u>	<u>1801</u>
P14		<u>39</u>	<u>1857</u>	<u>65</u>	<u>199</u>	<u>39</u>	<u>1807</u>
P15		<u>42</u>	<u>1860</u>	<u>70</u>	<u>204</u>	<u>42</u>	<u>1811</u>
P16		<u>45</u>	<u>1863</u>	<u>75</u>	<u>210</u>	<u>45</u>	<u>1816</u>
P17		<u>48</u>	<u>1865</u>	<u>80</u>	<u>217</u>	<u>48</u>	<u>1819</u>
P18		<u>51</u>	<u>1870</u>	<u>85</u>	<u>220</u>	<u>51</u>	<u>1823</u>
P19		<u>54</u>	<u>1871</u>	<u>90</u>	<u>226</u>	<u>54</u>	<u>1827</u>
P20		<u>57</u>	<u>1872</u>	<u>95</u>	<u>229</u>	<u>57</u>	<u>1830</u>
		<u>60</u>	<u>1873</u>	<u>100</u>	<u>236</u>	<u>60</u>	<u>1833</u>
		<u>63</u>	<u>1874</u>	<u>105</u>	<u>243</u>	<u>63</u>	<u>1835</u>
		<u>66</u>	<u>1875</u>	<u>110</u>	<u>249</u>	<u>66</u>	<u>1837</u>
		<u>69</u>	<u>1876</u>	<u>115</u>	<u>251</u>	<u>69</u>	<u>1839</u>
		<u>72</u>	<u>1877</u>	<u>120</u>	<u>251</u>	<u>72</u>	<u>1841</u>
		<u>75</u>	<u>1879</u>	<u>125</u>	<u>260</u>	<u>75</u>	<u>1842</u>
		<u>78</u>	<u>1880</u>	<u>130</u>	<u>258</u>	<u>78</u>	<u>1845</u>
		<u>81</u>	<u>1881</u>	<u>135</u>	<u>255</u>	<u>81</u>	<u>1848</u>
		<u>84</u>	<u>1882</u>	<u>140</u>	<u>264</u>	<u>84</u>	<u>1849</u>
		<u>87</u>	<u>1883</u>	<u>145</u>	<u>268</u>	<u>87</u>	<u>1850</u>

Continued.

WESTERN TESTING CO., INC.
Pressure Data

Date 4-25-75 Test Ticket No. 25309
 Recorder No. 2606 Capacity 4150 Location 4911 Ft.
 Clock No. 6894 Elevation 1494 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: <u>40</u> Inc.		Breakdown: <u>36</u> Inc.		Breakdown: <u>42</u> Inc.	
of _____ 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>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>90</u>	<u>1884</u>	<u>150</u>	<u>271</u>	<u>90</u>	<u>1852</u>
P 2		<u>93</u>	<u>1885</u>	<u>155</u>	<u>277</u>	<u>93</u>	<u>1853</u>
P 3		<u>96</u>	<u>1885</u>	<u>160</u>	<u>279</u>	<u>96</u>	<u>1855</u>
P 4		<u>99</u>	<u>1886</u>	<u>165</u>	<u>281</u>	<u>99</u>	<u>1856</u>
P 5		<u>102</u>	<u>1886</u>	<u>170</u>	<u>282</u>	<u>102</u>	<u>1857</u>
P 6		<u>105</u>	<u>1887</u>	<u>175</u>	<u>284</u>	<u>105</u>	<u>1858</u>
P 7		<u>108</u>	<u>1888</u>	<u>180</u>	<u>285</u>	<u>108</u>	<u>1860</u>
P 8		<u>111</u>	<u>1889</u>			<u>111</u>	<u>1860</u>
P 9		<u>114</u>	<u>1889</u>			<u>114</u>	<u>1861</u>
P10		<u>117</u>	<u>1890</u>			<u>117</u>	<u>1862</u>
P11		<u>120</u>	<u>1890</u>			<u>120</u>	<u>1863</u>
P12						<u>123</u>	<u>1863</u>
P13						<u>126</u>	<u>1864</u>
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **4-25-75** Ticket **25309** Company **Imperial Oil Co.**
Well Name and No. **EWB Ranch A-2** Dst No. **3** Interval Tested **4892'-4919'**
County **Barber** State **Kansas** Sec. **7** Twp. **35S** Rg. **14W**

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						
4:55 AM	15 min.	6" of water	3/4" orifice			34,700 C.F.P.D.
5:05 AM	10 min.	5" of water	3/4" orifice			31,600 C.F.P.D.
5:15 AM	10 min.	4" of water	3/4" orifice			28,300 C.F.P.D.
5:25 AM	10 min.	6" of water	3/4" orifice			34,700 C.F.P.D.
Tool opened at 4:30 AM on initial flow period. Gas to surface in 14 minutes.						

SECOND FLOW						
7:40 AM	10 min.	7" of water	3/4" orifice			37,400 C.F.P.D.
7:50 AM	10 min.	7" of water	3/4" orifice			37,400 C.F.P.D.
8:00 AM	10 min.	6" of water	3/4" orifice			34,700 C.F.P.D.
8:10 AM	10 min.	2" of water	3/4" orifice			20,000 C.F.P.D.
8:20 AM	10 min.	12" of water	1/2" orifice			21,900 C.F.P.D.
8:30 AM	10 min.	24" of water	1/2" orifice			30,700 C.F.P.D.
8:40 AM	10 min.	30" of water	1/2" orifice			34,300 C.F.P.D.
8:50 AM	10 min.	9" of water	1/2" orifice			18,800 C.F.P.D.
9:00 AM	10 min.	32" of water	1/2" orifice			35,500 C.F.P.D.
9:10 AM	10 min.	28" of water	1/2" orifice			33,200 C.F.P.D.
9:20 AM	10 min.	10" of water	1/2" orifice			19,900 C.F.P.D.
9:30 AM	10 min.	28" of water	1/2" orifice			33,200 C.F.P.D.

GAS BOTTLE CONTINUED ON NEXT PAGE

Serial No. _____ Date Bottle Filled **4-25-75** Date to be Invoiced **4-25-75**

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 **Imperial Oil Co.**
Authorized by **Bill Iverson**

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **4-25-75** Ticket **25309** Company **Imperial Oil Co.**
Well Name and No. **EWB Ranch A-2** Dst No. **3** Interval Tested **4892'-4919'**
County **Barber** State **Kansas** Sec. **7** Twp. **35S** Rg. **14W**

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						

SECOND FLOW

9:40 AM	10 min.	30" of water	1/2" orifice		34,300 C.F.P.D.
9:50 AM	10 min.	20" of water	1/2" orifice		28,000 C.F.P.D.
10:00 AM	10 min.	24" of water	1/2" orifice		30,700 C.F.P.D.
10:10 AM	10 min.	30" of water	1/2" orifice		34,300 C.F.P.D.
10:20 AM	10 min.	28" of water	1/2" orifice		33,200 C.F.P.D.

All measurements were taken through a 2" orifice well tester.

GAS BOTTLE

Serial No. _____ Date Bottle Filled **4-25-75** Date to be Invoiced **4-25-75**

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 **Imperial Oil Co.**

Authorized by **Bill Iverson**

THI # 25309

I

(H)

(G)

(D)

(A)

(F)

(E)

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