

Company C. Oil Company, Inc. Lease & Well No. Clausen #1
Elevation 1302 Kelly Bushing Kansas City Formation ----- Effective Pay ---- Ft. Ticket No. 6088
Date 5/6/80 Sec. 13 Twp. 29S Range 3W County Sedgwick State Kansas
Test Approved by Charles I. Slagle Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 3078 ft. to 3105 ft. Total Depth 3105 ft.
Packer Depth 3073 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3078 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside)	<u>3083</u>	ft.	Recorder Number	<u>11018</u>	Cap.	<u>4425</u>
Bottom Recorder Depth (Outside)	<u>3088</u>	ft.	Recorder Number	<u>11019</u>	Cap.	<u>4500</u>
Below Straddle Recorder Depth	<u>-</u>	ft.	Recorder Number	<u>-</u>	Cap.	<u>-</u>

Drilling Contractor <u>B. & B. Drilling Rig #2</u>	Drill Collar Length	<u>--</u>	I. D.	<u>-</u>	in.
Mud Type <u>gel-starch</u> Viscosity <u>-</u>	Weight Pipe Length	<u>120</u>	I. D.	<u>3.0</u>	in.
Weight <u>9.4</u> Water Loss <u>13.2</u> cc.	Drill Pipe Length	<u>2945</u>	I. D.	<u>4.0</u>	in.
Chlorides <u>10,000</u> P.P.M.	Test Tool Length	<u>21</u> ft.	Tool Size	<u>3 1/2</u>	in.
Jars: Make <u>--</u> Serial Number <u>-</u>	<u>27</u>	ft.	Size	<u>4 1/2</u>	in.
Did Well Flow? <u>--</u> Reversed Out <u>-</u>	Anchor Length	<u>1/2</u>	ft.	Surface Choke Size	<u>1/2</u> in.
	Surface Choke Size	<u>1/2</u> in.	Bottom Choke Size	<u>1/2</u>	in.
	Main Hole Size	<u>7 7/8</u> in.	Tool Joint Size	<u>4 1/2</u>	in.

Blow: Weak slow increase to fair. Fair throughout second flow.

Recovered 240 ft. of muddy salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s)	<u>9:45</u>	<u>A.M.</u> <u>=P.M.</u>	Time Started Off Bottom	<u>1:45</u>	<u>A.M.</u> <u>=P.M.</u>	Maximum Temperature	<u>96°</u>
Initial Hydrostatic Pressure			(A)	<u>1548</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>51</u>	P.S.I. to (C)	<u>78</u>	P.S.I.
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>1213</u>	P.S.I.		
Final Flow Period	Minutes	<u>60</u>	(E)	<u>111</u>	P.S.I. to (F)	<u>130</u>	P.S.I.
Final Closed In Period	Minutes	<u>90</u>	(G)	<u>1217</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1543</u>	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 5-6-80 Test Ticket No. 6088

Recorder No. 11018 Capacity 4425 Location 3083 Ft.

Clock No. --- Elevation 1302 Kelly Bushing Well Temperature 96 °F

Point	Pressure		Time Given		Time Computed	
			A.	M.		
A Initial Hydrostatic Mud	1548	P.S.I.	9:45			
B First Initial Flow Pressure	51	P.S.I.	30	Mins.	30	Mins.
C First Final Flow Pressure	78	P.S.I.	60	Mins.	60	Mins.
D Initial Closed-in Pressure	1213	P.S.I.	60	Mins.	60	Mins.
E Second Initial Flow Pressure	111	P.S.I.	90	Mins.	90	Mins.
F Second Final Flow Pressure	130	P.S.I.				
G Final Closed-in Pressure	1217	P.S.I.				
H Final Hydrostatic Mud	1543	P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>30</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>51</u>	<u>0</u>	<u>78</u>	<u>0</u>	<u>111</u>	<u>0</u>	<u>130</u>
P 2 <u>5</u>	<u>49</u>	<u>3</u>	<u>781</u>	<u>5</u>	<u>102</u>	<u>3</u>	<u>836</u>
P 3 <u>10</u>	<u>51</u>	<u>6</u>	<u>982</u>	<u>10</u>	<u>98</u>	<u>6</u>	<u>971</u>
P 4 <u>15</u>	<u>58</u>	<u>9</u>	<u>1051</u>	<u>15</u>	<u>98</u>	<u>9</u>	<u>1024</u>
P 5 <u>20</u>	<u>64</u>	<u>12</u>	<u>1090</u>	<u>20</u>	<u>98</u>	<u>12</u>	<u>1061</u>
P 6 <u>25</u>	<u>71</u>	<u>15</u>	<u>1117</u>	<u>25</u>	<u>98</u>	<u>15</u>	<u>1082</u>
P 7 <u>30</u>	<u>78</u>	<u>18</u>	<u>1129</u>	<u>30</u>	<u>104</u>	<u>18</u>	<u>1093</u>
P 8 _____	_____	<u>21</u>	<u>1141</u>	<u>35</u>	<u>109</u>	<u>21</u>	<u>1104</u>
P 9 _____	_____	<u>24</u>	<u>1153</u>	<u>40</u>	<u>114</u>	<u>24</u>	<u>1114</u>
P10 _____	_____	<u>27</u>	<u>1164</u>	<u>45</u>	<u>118</u>	<u>27</u>	<u>1125</u>
P11 _____	_____	<u>30</u>	<u>1174</u>	<u>50</u>	<u>122</u>	<u>30</u>	<u>1136</u>
P12 _____	_____	<u>33</u>	<u>1181</u>	<u>55</u>	<u>126</u>	<u>33</u>	<u>1143</u>
P13 _____	_____	<u>36</u>	<u>1188</u>	<u>60</u>	<u>130</u>	<u>36</u>	<u>1150</u>
P14 _____	_____	<u>39</u>	<u>1195</u>	_____	_____	<u>39</u>	<u>1157</u>
P15 _____	_____	<u>42</u>	<u>1201</u>	_____	_____	<u>42</u>	<u>1164</u>
P16 _____	_____	<u>45</u>	<u>1207</u>	_____	_____	<u>45</u>	<u>1170</u>
P17 _____	_____	<u>48</u>	<u>1209</u>	_____	_____	<u>48</u>	<u>1174</u>
P18 _____	_____	<u>51</u>	<u>1210</u>	_____	_____	<u>51</u>	<u>1178</u>
P19 _____	_____	<u>54</u>	<u>1211</u>	_____	_____	<u>54</u>	<u>1182</u>
P20 _____	_____	<u>57</u>	<u>1212</u>	_____	_____	<u>57</u>	<u>1186</u>
		<u>60</u>	<u>1213</u>			<u>60</u>	<u>1189</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-6-80

Test Ticket No. 6088

Recorder No. 11018

Capacity 4425

Location 3083 Ft.

Clock No. --- Elevation 1302 Kelly Bushing

Well Temperature 96 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1548</u> P.S.I.	Open Tool	9:45 A.	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>78</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1213</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>111</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>130</u> P.S.I.			
G Final Closed-in Pressure	<u>1217</u> P.S.I.			
H Final Hydrostatic Mud	<u>1543</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: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 15 Inc.
of 5 mins. and a
final inc. of 0 Min.

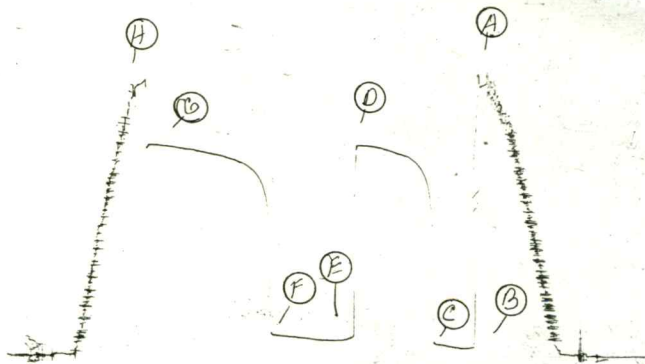
Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1193
P 2						66	1197
P 3						69	1201
P 4						72	1205
P 5						75	1209
P 6						78	1211
P 7						81	1213
P 8						84	1215
P 9						87	1216
P 10						90	1217
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

11018-6088

DST #1

TKT#6088
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Company C. Oil ,Inc. Lease & Well No. Clausen #1
Elevation 1302 Kelly Bushing Kansas City Formation ----- Effective Pay ----- Ft. Ticket No. 6089
Date 5/7/80 Sec. 13 Twp. 29S Range 3W County Sedgwick State Kansas
Test Approved by Charles I. Slagle Western Representative Stuart Stover

Formation Test No. 2 Interval Tested from 3120 ft. to 3150 ft. Total Depth 3150 ft.
Packer Depth 3115 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3120 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --
Top Recorder Depth (Inside) 3125 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3128 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor B. & B. Drilling Rig #2 Drill Collar Length -- I. D. -- in.
Mud Type gel-starch Viscosity 47 Weight Pipe Length 120 I. D. 3.0 in.
Weight 9.6 Water Loss 9.4 cc. Drill Pipe Length 2975 I. D. 4.0 in.
Chlorides 11,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make -- Serial Number -- Anchor Length 30 ft. Size 4 1/2 in.
Did Well Flow? -- Reversed Out -- 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 in.

Blow: Weak, increasing to good

Recovered 840 ft. of salt water - bottom 480 feet gas cut
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 11:50 A.M. Time Started Off Bottom 3:50 A.M. Maximum Temperature 98°
Initial Hydrostatic Pressure 1566 P.S.I.
Initial Flow Period 30 Minutes (B) 91 P.S.I. to (C) 220 P.S.I.
Initial Closed In Period 60 Minutes (D) 1217 P.S.I.
Final Flow Period 60 Minutes (E) 271 P.S.I. to (F) 451 P.S.I.
Final Closed In Period 90 Minutes (G) 1223 P.S.I.
Final Hydrostatic Pressure 1561 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 5-7-80 Test Ticket No. 6089
Recorder No. 11018 Capacity 4425 Location 3125 Ft.
Clock No. --- Elevation 1302 Kelly Bushing Well Temperature 98 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1566 P.S.I.	11:50 A. M.	
B First Initial Flow Pressure	91 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	220 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1217 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	271 P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	451 P.S.I.		
G Final Closed-in Pressure	1223 P.S.I.		
H Final Hydrostatic Mud	1561 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a 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>91</u>	<u>0</u>	<u>220</u>	<u>0</u>	<u>271</u>	<u>0</u>	<u>451</u>
P 2 <u>5</u>	<u>98</u>	<u>3</u>	<u>1084</u>	<u>5</u>	<u>271</u>	<u>3</u>	<u>1088</u>
P 3 <u>10</u>	<u>122</u>	<u>6</u>	<u>1119</u>	<u>10</u>	<u>278</u>	<u>6</u>	<u>1126</u>
P 4 <u>15</u>	<u>149</u>	<u>9</u>	<u>1145</u>	<u>15</u>	<u>300</u>	<u>9</u>	<u>1145</u>
P 5 <u>20</u>	<u>187</u>	<u>12</u>	<u>1159</u>	<u>20</u>	<u>319</u>	<u>12</u>	<u>1154</u>
P 6 <u>25</u>	<u>202</u>	<u>15</u>	<u>1172</u>	<u>25</u>	<u>338</u>	<u>15</u>	<u>1163</u>
P 7 <u>30</u>	<u>220</u>	<u>18</u>	<u>1177</u>	<u>30</u>	<u>3356</u>	<u>18</u>	<u>1169</u>
P 8		<u>21</u>	<u>1182</u>	<u>35</u>	<u>375</u>	<u>21</u>	<u>1174</u>
P 9		<u>24</u>	<u>1187</u>	<u>40</u>	<u>393</u>	<u>24</u>	<u>1179</u>
P10		<u>27</u>	<u>1191</u>	<u>45</u>	<u>411</u>	<u>27</u>	<u>1185</u>
P11		<u>30</u>	<u>1196</u>	<u>50</u>	<u>425</u>	<u>30</u>	<u>1189</u>
P12		<u>33</u>	<u>1199</u>	<u>55</u>	<u>438</u>	<u>33</u>	<u>1195</u>
P13		<u>36</u>	<u>1202</u>	<u>60</u>	<u>451</u>	<u>36</u>	<u>1196</u>
P14		<u>39</u>	<u>1205</u>			<u>39</u>	<u>1202</u>
P15		<u>42</u>	<u>1208</u>			<u>42</u>	<u>1205</u>
P16		<u>45</u>	<u>1211</u>			<u>45</u>	<u>1209</u>
P17		<u>48</u>	<u>1213</u>			<u>48</u>	<u>1211</u>
P18		<u>51</u>	<u>1214</u>			<u>51</u>	<u>1211</u>
P19		<u>54</u>	<u>1215</u>			<u>54</u>	<u>1211</u>
P20		<u>57</u>	<u>1216</u>			<u>57</u>	<u>1211</u>
		<u>60</u>	<u>1217</u>			<u>60</u>	<u>1211</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-7-80 Test Ticket No. 6089
 Recorder No. 11018 Capacity 4425 Location 3125 Ft.
 Clock No. --- Elevation 1302 Kelly Bushing Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1566 P.S.I.	Open Tool	11:50 A. M.	
B First Initial Flow Pressure	91 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	220 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1217 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	271 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	451 P.S.I.			
G Final Closed-in Pressure	1223 P.S.I.			
H Final Hydrostatic Mud	1561 P.S.I.			

PRESSURE BREAKDOWN

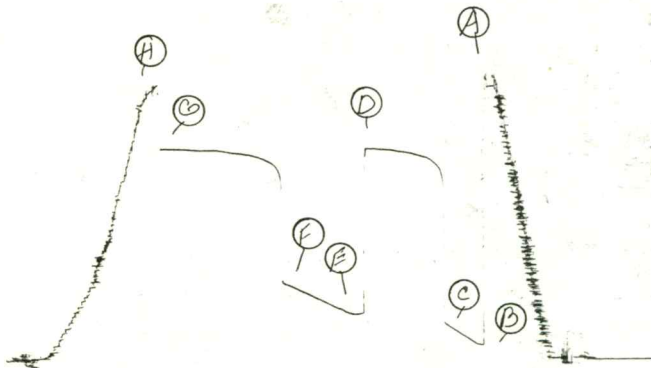
First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>6</u> Inc.	Breakdown: <u>20</u> Inc.	Breakdown: <u>12</u> Inc.	Breakdown: <u>30</u> Inc.
of <u>5</u> mins. and a	of <u>3</u> mins. and a	of <u>5</u> mins. and a	of <u>3</u> mins. and a
final inc. of <u>0</u> Min.	final 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						63	1211
P 2						66	1212
P 3						69	1214
P 4						72	1216
P 5						75	1218
P 6						78	1219
P 7						81	1220
P 8						84	1221
P 9						87	1222
P10						90	1223
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

11018-6089

DST #2

11#6089
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Company C. Oil, Inc. Lease & Well No. Clausen #1
 Elevation 1302 Kelly Bushing Kansas City Effective Pay ---- Ft. Ticket No. 6090
 Date 5/8/80 Sec. 13 Twp. 29S Range 3W County Sedgwick State Kansas
 Test Approved by Charles I. Slagle Western Representative Stuart Stover
 Formation Test No. 3 Interval Tested from 3160 ft. to 3168 ft. Total Depth 3168 ft.
 Packer Depth 3055 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3060 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3163 ft. Recorder Number 11018 Cap. 4425
 Bottom Recorder Depth (Outside) 3168 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor B. & B. Drilling Rig #2 Drill Collar Length - I. D. - in.
 Mud Type Gel-starch Viscosity 47 Weight Pipe Length 120 I. D. 3.0 in.
 Weight 9.6 Water Loss 9.4 cc. Drill Pipe Length 3019 I. D. 4.0 in.
 Chlorides 11,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
 Jars: Make -- Serial Number - Anchor Length 8 ft. Size 4 1/2 in.
 Did Well Flow? -- Reversed Out - 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 in.

Blow: Weak, increasing to good.

Recovered 420 ft. of salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 8:00 ~~P.M.~~ ^{A.M.} Maximum Temperature ?
 Initial Hydrostatic Pressure 1597 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 64 P.S.I. to (C) 106 P.S.I.
 Initial Closed In Period 60 Minutes (D) 1271 P.S.I.
 Final Flow Period 60 Minutes (E) 147 P.S.I. to (F) 222 P.S.I.
 Final Closed In Period 90 Minutes (G) 1272 P.S.I.
 Final Hydrostatic Pressure 1593 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 5-8-80 Recorder No. 11018 Capacity 4425 Test Ticket No. 6090 Location 3163 Ft.
 Clock No. _____ Elevation 1302 Kelly Bushing Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1597	P.S.I.	4:00 A	M
B First Initial Flow Pressure	64	P.S.I.	30	30
C First Final Flow Pressure	106	P.S.I.	60	60
D Initial Closed-in Pressure	1271	P.S.I.	60	60
E Second Initial Flow Pressure	147	P.S.I.	90	90
F Second Final Flow Pressure	222	P.S.I.		
G Final Closed-in Pressure	1272	P.S.I.		
H Final Hydrostatic Mud	1593	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure				Initial Shut-In				Second Flow Pressure				Final Shut-In			
Breakdown: <u>6</u> Inc.				Breakdown: <u>20</u> Inc.				Breakdown: <u>12</u> Inc.				Breakdown: <u>30</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.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	64	0	106	0	147	0	222	0	1216	0	1247	0	1256	0	1260
P 2 <u>5</u>	64	3	1229	5	140	3	1261	5	1262	3	1263	3	1264	3	1265
P 3 <u>10</u>	71	6	1250	10	140	6	1266	10	1267	6	1268	6	1269	6	1270
P 4 <u>15</u>	81	9	1258	15	142	9	1271	15	1271	9	1271	9	1271	9	1271
P 5 <u>20</u>	93	12	1264	20	151	12	1272	20	1272	12	1272	12	1272	12	1272
P 6 <u>25</u>	101	15	1269	25	163	15	1272	25	1272	15	1272	15	1272	15	1272
P 7 <u>30</u>	106	18	1269	30	172	18	1271	30	1271	18	1271	18	1271	18	1271
P 8 _____		21	1269	35	181	21	1271	35	1271	21	1271	21	1271	21	1271
P 9 _____		24	1269	40	189	24	1271	40	1271	24	1271	24	1271	24	1271
P10 _____		27	1269	45	197	27	1271	45	1271	27	1271	27	1271	27	1271
P11 _____		30	1269	50	204	30	1271	50	1271	30	1271	30	1271	30	1271
P12 _____		33	1269	55	213	33	1271	55	1271	33	1271	33	1271	33	1271
P13 _____		36	1270	60	222	36	1271	60	1271	36	1271	36	1271	36	1271
P14 _____		39	1270			39	1271			39	1271	39	1271	39	1271
P15 _____		42	1271			42	1271			42	1271	42	1271	42	1271
P16 _____		45	1271			45	1271			45	1271	45	1271	45	1271
P17 _____		48	1271			48	1271			48	1271	48	1271	48	1271
P18 _____		51	1271			51	1271			51	1271	51	1271	51	1271
P19 _____		54	1271			54	1271			54	1271	54	1271	54	1271
P20 _____		57	1271			57	1271			57	1271	57	1271	57	1271
		60	1271			60	1271			60	1271	60	1271	60	1271

WESTERN TESTING CO., INC.

Pressure Data

Date 5-8-80 Test Ticket No. 6090
 Recorder No. 11018 Capacity 4425 Location 3163 Ft.
 Clock No. _____ Elevation 1302 Kelly Bushing Well Temperature _____ °F

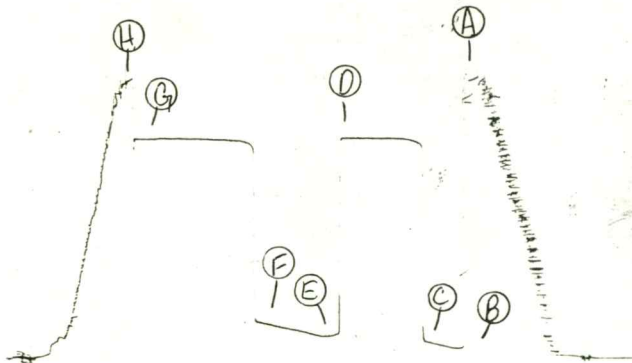
Point	Pressure		Time Given 4:00A	Time Computed
A Initial Hydrostatic Mud	1597	P.S.I.		
B First Initial Flow Pressure	64	P.S.I.	30	30
C First Final Flow Pressure	106	P.S.I.	60	60
D Initial Closed-in Pressure	1271	P.S.I.	90	90
E Second Initial Flow Pressure	147	P.S.I.		
F Second Final Flow Pressure	222	P.S.I.		
G Final Closed-in Pressure	1272	P.S.I.		
H Final Hydrostatic Mud	1593	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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						63	1272
P 2						66	1272
P 3						69	1272
P 4						72	1272
P 5						75	1272
P 6						78	1272
P 7						81	1272
P 8						84	1272
P 9						87	1272
P10						90	1272
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

DST # 3

TKT#6090
I.



Company C. Oil, Inc. Lease & Well No. Clausen #1
Elevation 1302 Kelly Bushing Mississippi Formation ----- Effective Pay ----- Ft. Ticket No. 6091
Date 5/10/80 Sec. 13 Twp. 29S Range 3W County Sedgwick State Kansas
Test Approved by Charles I. Slagle Western Representative Stuart Stover
Formation Test No. 4 Interval Tested from 3644 ft. to 3660 ft. Total Depth 3660 ft.
Packer Depth 3639 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3644 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3649 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3652 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor B. & B. Drlg. Rig #2 Drill Collar Length - I. D. - in.
Mud Type gel-starch Viscosity 39 Weight Pipe Length 120 I. D. 3.0 in.
Weight 9.7 Water Loss 10.6 cc. Drill Pipe Length 3443 I. D. 4.0 in.
Chlorides 13,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make - Serial Number - Anchor Length 16 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - 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 in.

Blow: Weak increasing to good

Recovered 180 ft. of gas in pipe
Recovered 180 ft. of gas and oil cut water
Recovered 120 ft. of water
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 5:00 ~~A.M.~~ P.M. Time Started Off Bottom 9:00 ~~A.M.~~ P.M. Maximum Temperature 102°
Initial Hydrostatic Pressure 1885 P.S.I. (A)
Initial Flow Period 30 Minutes (B) 71 P.S.I. to (C) 87 P.S.I.
Initial Closed In Period 60 Minutes (D) 1396 P.S.I.
Final Flow Period 60 Minutes (E) 136 P.S.I. to (F) 162 P.S.I.
Final Closed In Period 90 Minutes (G) 1387 P.S.I.
Final Hydrostatic Pressure 1870 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 5-10-80 Test Ticket No. 6091
 Recorder No. 11018 Capacity 4425 Location 3660 Ft.
 Clock No. _____ Elevation 1302 Kelly Bushing Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1885 P.S.I.	Open Tool	9:00 P M	.
B First Initial Flow Pressure	71 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	87 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1396 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	136 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	162 P.S.I.			
G Final Closed-in Pressure	1387 P.S.I.			
H Final Hydrostatic Mud	1870 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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>71</u>	<u>0</u>	<u>87</u>	<u>0</u>	<u>136</u>	<u>0</u>	<u>162</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>360</u>	<u>5</u>	<u>131</u>	<u>3</u>	<u>566</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>1200</u>	<u>10</u>	<u>123</u>	<u>6</u>	<u>1189</u>
P 4 <u>15</u>	<u>71</u>	<u>9</u>	<u>1277</u>	<u>15</u>	<u>121</u>	<u>9</u>	<u>1258</u>
P 5 <u>20</u>	<u>77</u>	<u>12</u>	<u>1312</u>	<u>20</u>	<u>120</u>	<u>12</u>	<u>1288</u>
P 6 <u>25</u>	<u>82</u>	<u>15</u>	<u>1333</u>	<u>25</u>	<u>125</u>	<u>15</u>	<u>1304</u>
P 7 <u>30</u>	<u>87</u>	<u>18</u>	<u>1341</u>	<u>30</u>	<u>129</u>	<u>18</u>	<u>1313</u>
P 8 _____		<u>21</u>	<u>1349</u>	<u>35</u>	<u>134</u>	<u>21</u>	<u>1322</u>
P 9 _____		<u>24</u>	<u>1357</u>	<u>40</u>	<u>139</u>	<u>24</u>	<u>1331</u>
P10 _____		<u>27</u>	<u>1365</u>	<u>45</u>	<u>144</u>	<u>27</u>	<u>1340</u>
P11 _____		<u>30</u>	<u>2374</u>	<u>50</u>	<u>150</u>	<u>30</u>	<u>1348</u>
P12 _____		<u>33</u>	<u>1378</u>	<u>55</u>	<u>156</u>	<u>33</u>	<u>1351</u>
P13 _____		<u>36</u>	<u>1381</u>	<u>60</u>	<u>162</u>	<u>36</u>	<u>1354</u>
P14 _____		<u>39</u>	<u>1384</u>			<u>39</u>	<u>1357</u>
P15 _____		<u>42</u>	<u>1387</u>			<u>42</u>	<u>1359</u>
P16 _____		<u>45</u>	<u>1390</u>			<u>45</u>	<u>1361</u>
P17 _____		<u>48</u>	<u>1392</u>			<u>47</u>	<u>1364</u>
P18 _____		<u>51</u>	<u>1393</u>			<u>51</u>	<u>1367</u>
P19 _____		<u>54</u>	<u>1394</u>			<u>54</u>	<u>1370</u>
P20 _____		<u>57</u>	<u>1395</u>			<u>57</u>	<u>1372</u>
		<u>60</u>	<u>1396</u>			<u>60</u>	<u>1374</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-10-80 Test Ticket No. 6091

Recorder No. 11018 Capacity 4425 Location 3660 Ft.

Clock No. _____ Elevation 1302 Kelly Bushing Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1885	P.S.I.	9:00 P M	
B First Initial Flow Pressure	71	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	87	P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1396	P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	136	P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	162	P.S.I.		
G Final Closed-in Pressure	1387	P.S.I.		
H Final Hydrostatic Mud	1870	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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						63	1376
P 2						66	1378
P 3						69	1380
P 4						72	1381
P 5						75	1382
P 6						78	1383
P 7						81	1384
P 8						84	1385
P 9						87	1386
P10						90	1387
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

11018- 6091

DST #4

Trt# 6091
I

