



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

Company Zorger Oil Company Lease & Well No. McCormick #1
Elevation 1544 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 329
Date 8/22/78 Sec. 20 Twp 29S Range 6W County Kingman State Kansas
Test Approved by Eldon J. Schierling Western Representative Will K. Hager

Formation Test No. 1 Interval Tested from 4124' ft. to 4134' ft. Total Depth 4134' ft.

Packer Depth 4119' ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4134' ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4128 ft. Recorder Number 1561 Cap. 3200

Bottom Recorder Depth (Outside) 4131 ft. Recorder Number 1562 Cap. 3150

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

Drilling Contractor H-30, Inc. Rig # 11 Drill Collar Length -- I. D. -- in.

Mud Type drispac Viscosity 54 Weight Pipe Length 330' I. D. 4 1/2 FH in.

Weight 9.5 Water Loss 11.2 cc. Drill Pipe Length 3774' I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Size 4 1/2 in. Tool Joint Size 3 1/2 IF in.

Jars: Make -- Serial Number -- Anchor Length 10 ft. Size 4 1/2 in.

Did Well Flow? Gas Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test. Gas to surface in one minutes on second opening. See attached gas sheet for gas measurements.

Recovered 70 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:20 A.M. Time Started Off Bottom 1:20 P.M. Maximum Temperature 124

Initial Hydrostatic Pressure (A) 2160 P.S.I.

Initial Flow Period 60 Minutes (B) 25 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period 60 Minutes (D) 1334 P.S.I.

Final Flow Period 60 Minutes (E) 41 P.S.I. to (F) 33 P.S.I.

Final Closed In Period 60 Minutes (G) 1320 P.S.I.

Final Hydrostatic Pressure (H) 2133 P.S.I.



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 8/22/78 Ticket 329 Company Zorger Oil Company
Well Name and No. McCormick #1 Dst No. 1 Interval Tested 4124'-4134'
County Kingman State Kansas Sec. 20 Twp. 29S Rg. 6W

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						
Tool	on bottom	at 9:20	PM-22 August 1978			
Tool	open	60 minutes	9:20 PM-10:20PM			
Tool	closed	60 minutes	10:20PM-11:00PM			
Tool	open	60 minutes	11:20PM-12:20AM	Gas to surface		
Tool	closed	60 minutes	12:20AM-1:20AM	Off bottom.		

SECOND FLOW						
5 min	15 "	of water	1/4" orifice			6,550 CFPD
10 min	11"	of water	1/2" orifice			20,900 CFPD
15 min.	5"	of water	1/2" orifice			14,100 CFPD
20 min.	11"	of water	1/2" orifice			20,900 CFPD
25 min.	5"	of water	1/2" orifice			14,100 CFPD
30 min.	4"	of water	1/2" orifice			12,500 CFPD
35 min.	5"	of water	1/2" orifice			14,100 CFPD
40 min.	5"	of water	1/2" orifice			14,100 CFPD
45 min.	5"	of water	1/2" orifice			14,100 CFPD
50 min.	5"	of water	1/2" orifice			14,100 CFPD
55 min.	5"	of water	1/2" orifice			14,100 CFPD
50 min.	5"	of water	1/2" orifice			14,100 CFPD

GAS BOTTLE

Serial No. 636 Date Bottle Filled 22/8/78 Date to be Invoiced 22/8/78

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 Zorger Oil Company

Authorized by Eldon J. Schierling

WESTERN TESTING CO., INC.

Pressure Data

Date 8/22/78 Test Ticket No. 329
 Recorder No. 1561 Capacity 320 Location 4128 Ft.
 Block No. -- Elevation 1544 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	2160	P.S.I.	9:20P	M
First Initial Flow Pressure	25	P.S.I.	60	Mins. 60 Mins.
First Final Flow Pressure	35	P.S.I.	60	Mins. 57 Mins.
Initial Closed-in Pressure	1334	P.S.I.	60	Mins. 60 Mins.
Second Initial Flow Pressure	41	P.S.I.	60	Mins. 57 Mins.
Second Final Flow Pressure	33	P.S.I.		
Final Closed-in Pressure	1320	P.S.I.		
Final Hydrostatic Mud	2133	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>19</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 ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0	25	0	35	0	41	0	33
2 5	19	3	259	5	33	3	301
3 10	19	6	418	10	33	6	569
4 15	19	9	603	15	33	9	720
5 20	20	12	731	20	33	12	839
6 25	22	15	845	25	33	15	935
7 30	24	18	937	30	33	18	1007
8 35	25	21	1005	35	33	21	1067
9 40	28	24	1067	40	33	24	1118
0 45	30	27	1119	45	33	27	1153
1 50	31	30	1159	50	33	30	1181
2 55	33	33	1194	55	33	33	1207
3 60	35	36	1223	60	33	36	1229
4		39	1245			39	1248
5		42	1268			42	1262
6		45	1284			45	1277
7		48	1301			48	1288
8		51	1312			51	1301
9		54	1324			54	1310
0		57	1334			57	1320

TR 4-329

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15.61

(V)

(A)

(Q)

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(F)

(E)

(C)

(S)



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

Company Zorger Oil Company Lease & Well No. McCormick #1
Elevation 1544 Kelly Bushing Formation Mississippi Effective Pay ----- Ticket No. 330
Date 8/23/78 Sec. 20 Twp. 29S Range 6W County Kingman State Kansas
Test Approved by Eldon J. Schierling Western Representative Will K. Hager

Formation Test No. 2 Interval Tested from 4134' ft. to 4144' ft. Total Depth 4144' ft.

Packer Depth 4129 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4134 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4138' ft. Recorder Number 1561' Cap. 3200

Bottom Recorder Depth (Outside) 4141' ft. Recorder Number 1562' Cap. 3150

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

Drilling Contractor H-30, Inc. Rig #11 Drill Collar Length -- I. D. -- in.

Mud Type drispac Viscosity 53 Weight Pipe Length 330 I. D. 4 1/2 FH in.

Weight 9.6 Water Loss 12.8 cc. Drill Pipe Length 3784 I. D. 3.8 in.

Chlorides 19,500 P.P.M. Test Tool Size 4 1/2 in. Tool Joint Size 3 1/2 IF in.

Jars: Make -- Serial Number -- Anchor Length 10 ft. Size 4 1/2 in.

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

Main Hole Size 7 7/8 in.

Blow: Strong blow with gas to surface in 37 minutes on initial opening. See attached gas sheet for gas measurements.

Recovered 100 ft. of slightly oil cut mud

Recovered 50 ft. of heavy oil cut mud

Recovered 40 ft. of oil cut salt water

Recovered 50 ft. of salt water

Recovered ft. of

Remarks:

Time Set Packer(s) 10:10 ~~P.M.~~ A.M. Time Started Off Bottom 2:10 ~~P.M.~~ A.M. Maximum Temperature 124

Initial Hydrostatic Pressure (A) 2135 P.S.I.

Initial Flow Period Minutes 60 (B) 46 P.S.I. to (C) 55 P.S.I.

Initial Closed In Period Minutes 60 (D) 1296 P.S.I.

Final Flow Period Minutes 60 (E) 86 P.S.I. to (F) 99 P.S.I.

Final Closed In Period Minutes 60 (G) 1243 P.S.I.

Final Hydrostatic Pressure (H) 2126 P.S.I.



Home Office: Wichita, Kansas 67201
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GAS FLOW REPORT

Date 8/23/78 Ticket 330 Company Zorger Oil Company
Well Name and No. McCormick #1 Dst No. 2 Interval Tested 4134'-4144'
County Kingman State Kansas Sec. 20 Twp. 29S Rg. 6W

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
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PRE FLOW

40 min.	24" of water	1/4" orifice				8,330 CFPD
45 min.	30" of water	1/4" orifice				9,200 CFPD
50 min.	4 " of water	1/2" orifice				12,500 CFPD
55 min.	3.6" of water	1/2" orifice				11,900 CFPD
60 min.	3" of water	1/2" orifice				10,900 CFPD

SECOND FLOW

5 min.	10" of water	1/2" orifice				19,900 CFPD
10 min.	5" of water	1/2" orifice				14,100 CFPD
15 min.	3" of water	1/2" orifice				10,900 CFPD
20 min.	14" of water	1/4" orifice				6,300 CFPD
25 min.	15" of water	1/4" orifice				7,880 CFPD
30 min.	22" of water	1/4" orifice				8,220 CFPD
35 min.	24" of water	1/4" orifice				8,220 CFPD
40 min.	24" of water	1/4" orifice				8,220 CFPD
45 min.	24" of water	1/4" orifice				8,220 CFPD
50 min.	26" of water	1/4" orifice				8,560 CFPD
55 min.	26" of water	1/4" orifice				8,560 CFPD
60 nub,	26" of water	1/4" orifice				8,560 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled -- Date to be Invoiced --

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 Zorger Oil Company

Authorized by Eldon J. Schierling

WESTERN TESTING CO., INC.

Pressure Data

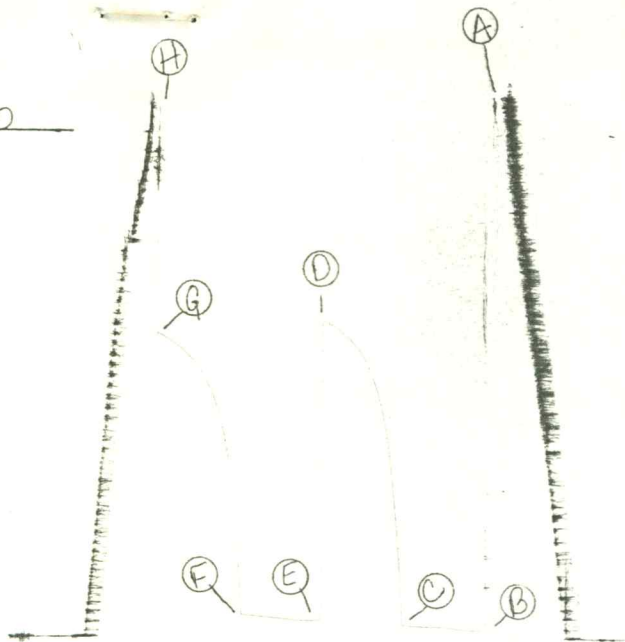
Date 8/23/ 78 Recorder No. 1561 Capacity 3200 Test Ticket No. 330
 Clock No. -- Elevation 1544 Kelly Bushing Location 4138 Ft. 124
 Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2135	P.S.I.	10:10A	
B First Initial Flow Pressure	46	P.S.I.	60 Mins.	60 Mins.
C First Final Flow Pressure	55	P.S.I.	60 Mins.	57 Mins.
D Initial Closed-in Pressure	1296	P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	86	P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	9	P.S.I.		
G Final Closed-in Pressure	1243	P.S.I.		
H Final Hydrostatic Mud	2116	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>19</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>19</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>46</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>86</u>	<u>0</u>	<u>99</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>388</u>	<u>5</u>	<u>72</u>	<u>3</u>	<u>371</u>
P 3 <u>10</u>	<u>32</u>	<u>6</u>	<u>591</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>583</u>
P 4 <u>15</u>	<u>35</u>	<u>9</u>	<u>748</u>	<u>15</u>	<u>74</u>	<u>9</u>	<u>713</u>
P 5 <u>20</u>	<u>38</u>	<u>12</u>	<u>855</u>	<u>20</u>	<u>77</u>	<u>12</u>	<u>796</u>
P 6 <u>25</u>	<u>42</u>	<u>15</u>	<u>934</u>	<u>25</u>	<u>82</u>	<u>15</u>	<u>878</u>
P 7 <u>30</u>	<u>46</u>	<u>18</u>	<u>1003</u>	<u>30</u>	<u>85</u>	<u>18</u>	<u>944</u>
P 8 <u>35</u>	<u>46</u>	<u>21</u>	<u>1054</u>	<u>35</u>	<u>86</u>	<u>21</u>	<u>990</u>
P 9 <u>40</u>	<u>47</u>	<u>24</u>	<u>1100</u>	<u>40</u>	<u>88</u>	<u>24</u>	<u>1030</u>
P10 <u>45</u>	<u>48</u>	<u>27</u>	<u>1132</u>	<u>45</u>	<u>91</u>	<u>27</u>	<u>1062</u>
P11 <u>50</u>	<u>50</u>	<u>30</u>	<u>1164</u>	<u>50</u>	<u>94</u>	<u>30</u>	<u>1089</u>
P12 <u>55</u>	<u>53</u>	<u>33</u>	<u>1188</u>	<u>55</u>	<u>96</u>	<u>33</u>	<u>1114</u>
P13 <u>60</u>	<u>55</u>	<u>36</u>	<u>1205</u>	<u>60</u>	<u>99</u>	<u>36</u>	<u>1134</u>
P14		<u>39</u>	<u>1225</u>			<u>39</u>	<u>1156</u>
P15		<u>42</u>	<u>1242</u>			<u>42</u>	<u>1173</u>
P16		<u>45</u>	<u>1254</u>			<u>45</u>	<u>1186</u>
P17		<u>48</u>	<u>1269</u>			<u>48</u>	<u>1200</u>
P18		<u>51</u>	<u>1278</u>			<u>51</u>	<u>1213</u>
P19		<u>54</u>	<u>1289</u>			<u>54</u>	<u>1221</u>
P20		<u>57</u>	<u>1296</u>			<u>57</u>	<u>1234</u>
						<u>60</u>	<u>1243</u>

TK# 330
I.



1561



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

Company Zorger Oil Company Lease & Well No. McCormick #1
Elevation 1544 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 331
Date 8/23/78 Sec. 20 Twp 29S Range 6W County Kingman State Kansas
Test Approved by Eldon J. Schierling Western Representative Will K. Hager

Formation Test No. 3 Interval Tested from 4144' ft. to 4154' ft. Total Depth 4154' ft.

Packer Depth 4139' ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4144' ft. Size 6 3/4 in. Packer Depth = ft. Size = in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4148 ft. Recorder Number 1561 Cap. 3200

Bottom Recorder Depth (Outside) 4151 ft. Recorder Number 1562 Cap. 3150

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

Drilling Contractor H-30 Rig #11 Drill Collar Length -- I. D. -- in.

Mud Type drispac Viscosity 53 Weight Pipe Length 330 I. D. 4 1/2 FH in.

Weight 9.6 Water Loss 12.8 cc. Drill Pipe Length 3794 I. D. 3.8 in.

Chlorides 19,500 P.P.M. Test Tool Size 4 1/2 in. Tool Joint Size 3 1/2 IF in.

Jars: Make -- Serial Number -- Anchor Length 10 ft. Size 4 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.

Blow: Strong blow throughout test.

Recovered 15 ft. of oil cut mud

Recovered 75 ft. of slightly oil cut mud

Recovered 225 ft. of salt water

Recovered ft. of

Recovered 315 ft. of Total Recovery

Remarks:

Time Set Packer(s) 11:50 ~~A.M.~~ P.M. Time Started Off Bottom 5:20 ~~P.M.~~ A.M. Maximum Temperature 125

Initial Hydrostatic Pressure 2210 P.S.I. (A)

Initial Flow Period 60 Minutes (B) 41 P.S.I. to (C) 100 P.S.I.

Initial Closed In Period 90 Minutes (D) 1351 P.S.I.

Final Flow Period 60 Minutes (E) 137 P.S.I. to (F) 190 P.S.I.

Final Closed In Period 120 Minutes (G) 1347 P.S.I.

Final Hydrostatic Pressure 2047 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 8/23/78 Test Ticket No. 331

Recorder No. 1561 Capacity 3200 Location 4148 Ft

Clock No. -- Elevation 1544 Kelly Bushing Well Temperature 125 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2210 P.S.I.	11:50P _M	
B First Initial Flow Pressure	41 P.S.I.	60 Mins.	60 Mins
C First Final Flow Pressure	100 P.S.I.	90 Mins.	90 Mins
D Initial Closed-in Pressure	1351 P.S.I.	60 Mins.	60 Mins
E Second Initial Flow Pressure	137 P.S.I.	120 Mins.	126 Mins
F Second Final Flow Pressure	190 P.S.I.		
G Final Closed-in Pressure	1347 P.S.I.		
H Final Hydrostatic Mud	2047 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>30</u> Inc.		Breakdown: <u>12</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>0</u>	<u>41</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>137</u>	<u>0</u>	<u>190</u>
P 2 <u>5</u>	<u>35</u>	<u>3</u>	<u>268</u>	<u>5</u>	<u>130</u>	<u>3</u>	<u>322</u>
P 3 <u>10</u>	<u>39</u>	<u>6</u>	<u>430</u>	<u>10</u>	<u>134</u>	<u>6</u>	<u>491</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>624</u>	<u>15</u>	<u>141</u>	<u>9</u>	<u>638</u>
P 5 <u>20</u>	<u>51</u>	<u>12</u>	<u>794</u>	<u>20</u>	<u>148</u>	<u>12</u>	<u>755</u>
P 6 <u>25</u>	<u>57</u>	<u>15</u>	<u>899</u>	<u>25</u>	<u>155</u>	<u>15</u>	<u>856</u>
P 7 <u>30</u>	<u>66</u>	<u>18</u>	<u>973</u>	<u>30</u>	<u>160</u>	<u>18</u>	<u>937</u>
P 8 <u>35</u>	<u>72</u>	<u>21</u>	<u>1025</u>	<u>35</u>	<u>166</u>	<u>21</u>	<u>987</u>
P 9 <u>40</u>	<u>77</u>	<u>24</u>	<u>1065</u>	<u>40</u>	<u>171</u>	<u>24</u>	<u>1027</u>
P10 <u>45</u>	<u>84</u>	<u>27</u>	<u>1097</u>	<u>45</u>	<u>176</u>	<u>27</u>	<u>1060</u>
P11 <u>50</u>	<u>89</u>	<u>30</u>	<u>1129</u>	<u>50</u>	<u>181</u>	<u>30</u>	<u>1089</u>
P12 <u>55</u>	<u>96</u>	<u>33</u>	<u>1156</u>	<u>55</u>	<u>185</u>	<u>33</u>	<u>1113</u>
P13 <u>60</u>	<u>100</u>	<u>36</u>	<u>1178</u>	<u>60</u>	<u>190</u>	<u>36</u>	<u>1134</u>
P14		<u>39</u>	<u>1196</u>			<u>39</u>	<u>1153</u>
P15		<u>42</u>	<u>1215</u>			<u>42</u>	<u>1169</u>
P16		<u>45</u>	<u>1231</u>			<u>45</u>	<u>1183</u>
P17		<u>48</u>	<u>1243</u>			<u>48</u>	<u>1196</u>
P18		<u>51</u>	<u>1256</u>			<u>51</u>	<u>1208</u>
P19		<u>54</u>	<u>1267</u>			<u>54</u>	<u>1219</u>
P20		<u>57</u>	<u>1277</u>			<u>57</u>	<u>1229</u>
		<u>60</u>	<u>1286</u>			<u>60</u>	<u>1239</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 8/23/78 Test Ticket No. 331

Recorder No. 1561 Capacity 3200 Location 4148 Ft

Clock No. -- Elevation 1544 Kelly Bushing Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2210 P.S.I.	Open Tool	11:50PM	
B First Initial Flow Pressure	41 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	100 P.S.I.	Initial Closed-in Pressure	90 Mins.	90 Mins.
D Initial Closed-in Pressure	1351 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	137 P.S.I.	Final Closed-in Pressure	120 Mins.	126 Mins.
F Second Final Flow Pressure	190 P.S.I.			
G Final Closed-in Pressure	1347 P.S.I.			
H Final Hydrostatic Mud	2047 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>30</u> Inc.		Breakdown: <u>12</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		63	1294			63	1247
P 2		66	1303			66	1256
P 3		69	1312			69	1262
P 4		72	1317			72	1270
P 5		75	1324			75	1277
P 6		78	1331			78	1282
P 7		81	1337			81	1288
P 8		84	1343			84	1293
P 9		87	1348			87	1299
P10		90	1351			90	1304
P11						93	1308
P12						96	1313
P13						99	1316
P14						102	1321
P15						105	1326
P16						108	1329
P17						111	1333
P18						114	1335
P19						117	1338
P20						120	1342
						123	1345
						126	1347

TK4 #331

I

(H)

(A)

(G)

(D)

(F)

(E)

(C)

(B)