



Home Office: Wichita, Kansas 67201

Company Dakota Oil & Gas Corp. P. O. Box 1599 (316) 838-0601 Lease & Well No. Gereke #3
Elevation 2029 Rotary Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 760
Date 4-14-78 Sec. 12 Twp. 26S Range 15W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Rod Tritt
Formation Test No. 4 Interval Tested from 4260 ft. to 4288 ft. Total Depth 4288 ft.
Packer Depth 4255 ft. Size 6 3/4 in. Packer Depth 4260 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) 4263 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4266 ft. Recorder Number 2606 Cap. 4150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor H-30 Drlg. Inc. Drill Collar Length - I. D. - in.
Mud Type Starch Viscosity 38 Weight Pipe Length 868 I. D. 3 1/4 in.
Weight 9.9 Water Loss 18.8 cc. Drill Pipe Length 3364 I. D. 3.8 in.
Chlorides 66,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make - Serial Number - Anchor Length 28 ft. Size 5 1/2 OD 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: Weak blow building to a strong blow in 15 minutes on initial flow period. Light blow building to a good blow on final flow period.

Recovered 30 ft. of slightly oil cut drilling mud.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 8:22 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:22 ~~P.M.~~ ^{A.M.} Maximum Temperature 125
Initial Hydrostatic Pressure (A) 2278 P.S.I.
Initial Flow Period Minutes 60 (B) 68 P.S.I. to (C) 19 P.S.I.
Initial Closed In Period Minutes 60 (D) 143 P.S.I.
Final Flow Period Minutes 60 (E) 68 P.S.I. to (F) 19 P.S.I.
Final Closed In Period Minutes 60 (G) 194 P.S.I.
Final Hydrostatic Pressure (H) 2278 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/14/78

Recorder No. 2604

Capacity 4150

Test Ticket No. 760

Location 4263 Ft.

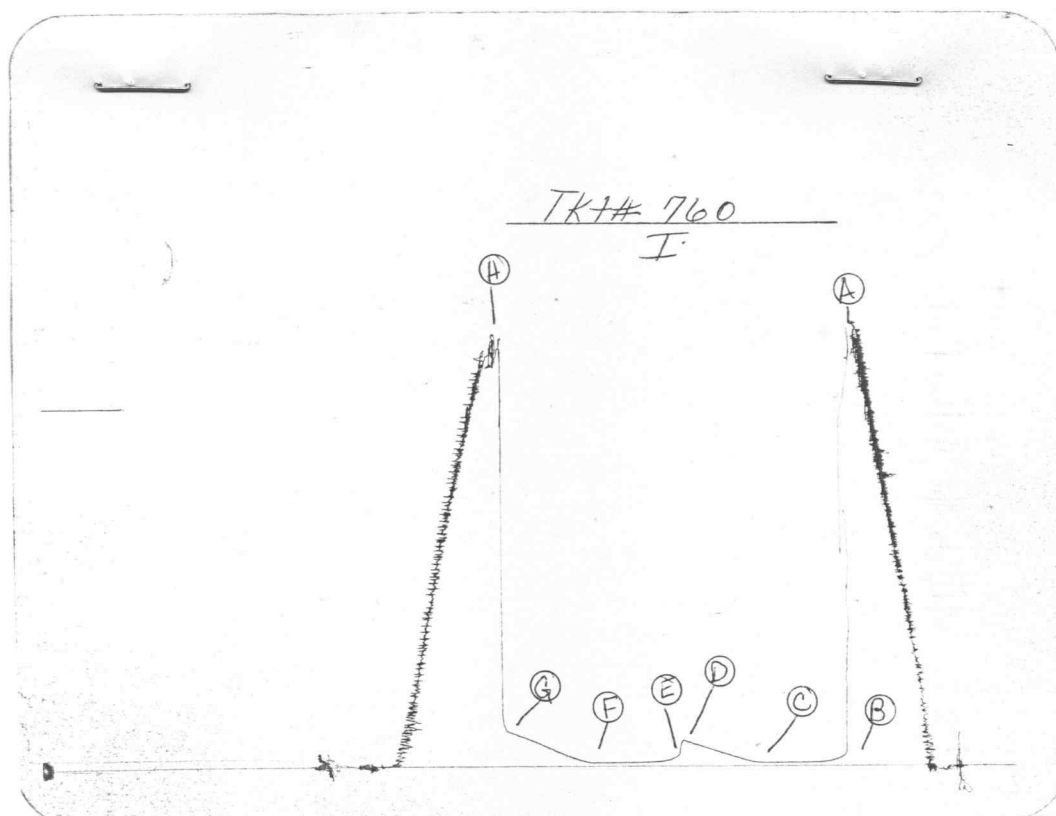
Clock No. ----- Elevation 2029 Kelly Bushing

Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2278	P.S.I.	8:22A	M
B First Initial Flow Pressure	68	P.S.I.	60	Mins. 60 Mins.
C First Final Flow Pressure	19	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	143	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	68	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	19	P.S.I.	60	Mins. 63 Mins.
G Final Closed-in Pressure	194	P.S.I.		
H Final Hydrostatic Mud	2278	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</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>68</u>	<u>0</u>	<u>19</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>19</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>19</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>21</u>
P 3 <u>10</u>	<u>30</u>	<u>6</u>	<u>19</u>	<u>10</u>	<u>30</u>	<u>6</u>	<u>26</u>
P 4 <u>15</u>	<u>23</u>	<u>9</u>	<u>23</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>32</u>
P 5 <u>20</u>	<u>21</u>	<u>12</u>	<u>28</u>	<u>20</u>	<u>21</u>	<u>12</u>	<u>40</u>
P 6 <u>25</u>	<u>21</u>	<u>15</u>	<u>34</u>	<u>25</u>	<u>20</u>	<u>15</u>	<u>45</u>
P 7 <u>30</u>	<u>19</u>	<u>18</u>	<u>38</u>	<u>30</u>	<u>19</u>	<u>18</u>	<u>58</u>
P 8 <u>35</u>	<u>19</u>	<u>21</u>	<u>47</u>	<u>35</u>	<u>19</u>	<u>21</u>	<u>66</u>
P 9 <u>40</u>	<u>19</u>	<u>24</u>	<u>58</u>	<u>40</u>	<u>19</u>	<u>24</u>	<u>75</u>
P10 <u>45</u>	<u>19</u>	<u>27</u>	<u>64</u>	<u>45</u>	<u>19</u>	<u>27</u>	<u>79</u>
P11 <u>50</u>	<u>19</u>	<u>30</u>	<u>70</u>	<u>50</u>	<u>19</u>	<u>30</u>	<u>94</u>
P12 <u>55</u>	<u>19</u>	<u>33</u>	<u>75</u>	<u>55</u>	<u>19</u>	<u>33</u>	<u>104</u>
P13 <u>60</u>	<u>19</u>	<u>36</u>	<u>83</u>	<u>60</u>	<u>19</u>	<u>36</u>	<u>113</u>
P14		<u>39</u>	<u>89</u>			<u>39</u>	<u>115</u>
P15		<u>42</u>	<u>98</u>			<u>42</u>	<u>130</u>
P16		<u>45</u>	<u>107</u>			<u>45</u>	<u>141</u>
P17		<u>48</u>	<u>113</u>			<u>48</u>	<u>149</u>
P18		<u>51</u>	<u>121</u>			<u>51</u>	<u>160</u>
P19		<u>54</u>	<u>126</u>			<u>54</u>	<u>166</u>
P20		<u>57</u>	<u>134</u>			<u>57</u>	<u>177</u>
WTC - 4		<u>60</u>	<u>143</u>			<u>60</u>	<u>185</u>
						<u>63</u>	<u>194</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2263	2278	PSI
(B) First Initial Flow Pressure	53	68	PSI
(C) First Final Flow Pressure	21	19	PSI
(D) Initial Closed-in Pressure	138	143	PSI
(E) Second Initial Flow Pressure	53	68	PSI
(F) Second Final Flow Pressure	21	19	PSI
(G) Final Closed-in Pressure	170	194	PSI
(H) Final Hydrostatic Mud	2263	2278	PSI



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P. O. Box 1599 (316) 838-0601

Company Dakota Oil & Gas Corporation Lease & Well No. Gereke #3
Elevation 2029 Kelly Bushing Formation Mississippi Effective Pay ===== Ft. Ticket No. 761
Date 4/15/78 Sec. 12 Twp. 26 Range 15W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Rod Tritt
Formation Test No. 5 Interval Tested from 4288' ft. to 4325' ft. Total Depth 4325' ft.
Packer Depth 4283 ft. Size 6 3/4 in. Packer Depth 4288 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) 4295 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4298 ft. Recorder Number 2606 Cap. 4150
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --
Drilling Contractor H-30, Inc. Drill Collar Length --- I. D. --- in.
Mud Type starch Viscosity 38 Weight Pipe Length 868 I. D. 3 1/4 in.
Weight 9.9 Water Loss 18.8 cc. Drill Pipe Length 3400 I. D. 3.8 in.
Chlorides 66,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make ---- Serial Number ---- Anchor Length 37 ft. Size 5 1/2 OD in.
Did Well Flow? no Reversed Out n Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in.

Blow: Weak blow throughout initial flow period. Final flow period - no blow.

Recovered 15 to 20 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:15 A.M. ==P.M.== Time Started Off Bottom 4:15 A.M. ==P.M.== Maximum Temperature 126 F.
Initial Hydrostatic Pressure (A) 2325 P.S.I.
Initial Flow Period Minutes 60 (B) 70 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period Minutes 60 (D) 60 P.S.I.
Final Flow Period Minutes 60 (E) 55 P.S.I. to (F) 38 P.S.I.
Final Closed In Period Minutes 60 (G) 53 P.S.I.
Final Hydrostatic Pressure (H) 2295 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/15/78

Recorder No. 2604

Capacity 4150

Test Ticket No. 761

Location 4295

Clock No. -----

Elevation 2029 Kelly Bushing

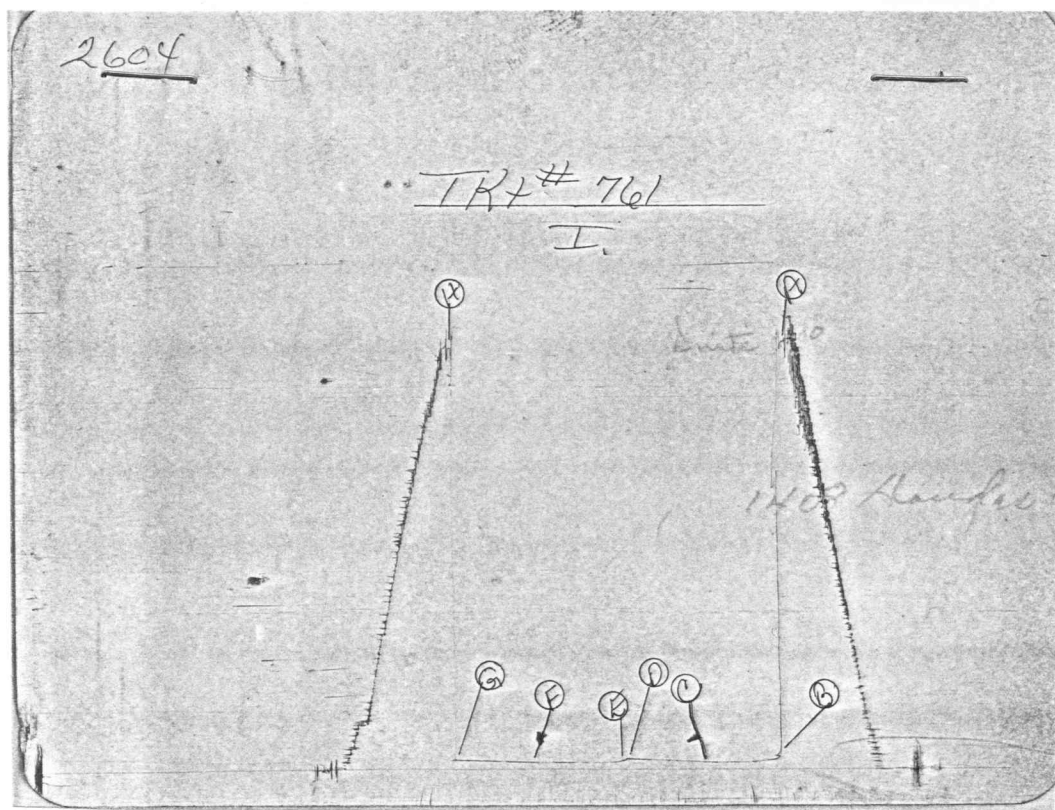
Well Temperature 126

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2325 P.S.I.	Open Tool	12:15 A M	
B First Initial Flow Pressure	70 P.S.I.	First Flow Pressure	60 Mins.	60 Min
C First Final Flow Pressure	40 P.S.I.	Initial Closed-in Pressure	60 Mins.	51 Min
D Initial Closed-in Pressure	60 P.S.I.	Second Flow Pressure	60 Mins.	60 Min
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Min
F Second Final Flow Pressure	55 P.S.I.			
G Final Closed-in Pressure	38 P.S.I.			
H Final Hydrostatic Mud	53 P.S.I.			

2295

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>70</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>38</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>40</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>38</u>
P 3 <u>10</u>	<u>48</u>	<u>6</u>	<u>45</u>	<u>10</u>	<u>39</u>	<u>6</u>	<u>38</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>47</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>39</u>
P 5 <u>20</u>	<u>40</u>	<u>12</u>	<u>48</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>39</u>
P 6 <u>25</u>	<u>38</u>	<u>15</u>	<u>48</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>40</u>
P 7 <u>30</u>	<u>38</u>	<u>18</u>	<u>50</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>41</u>
P 8 <u>35</u>	<u>38</u>	<u>21</u>	<u>51</u>	<u>35</u>	<u>37</u>	<u>21</u>	<u>43</u>
P 9 <u>40</u>	<u>38</u>	<u>24</u>	<u>53</u>	<u>40</u>	<u>37</u>	<u>24</u>	<u>43</u>
P10 <u>45</u>	<u>38</u>	<u>27</u>	<u>53</u>	<u>45</u>	<u>37</u>	<u>27</u>	<u>47</u>
P11 <u>50</u>	<u>38</u>	<u>30</u>	<u>53</u>	<u>50</u>	<u>38</u>	<u>30</u>	<u>47</u>
P12 <u>55</u>	<u>39</u>	<u>33</u>	<u>55</u>	<u>55</u>	<u>38</u>	<u>33</u>	<u>48</u>
P13 <u>60</u>	<u>40</u>	<u>36</u>	<u>56</u>	<u>60</u>	<u>38</u>	<u>36</u>	<u>48</u>
P14		<u>39</u>	<u>56</u>			<u>39</u>	<u>49</u>
P15		<u>42</u>	<u>56</u>			<u>42</u>	<u>50</u>
P16		<u>45</u>	<u>58</u>			<u>45</u>	<u>50</u>
P17		<u>48</u>	<u>59</u>			<u>48</u>	<u>50</u>
P18		<u>51</u>	<u>60</u>			<u>51</u>	<u>51</u>
P19						<u>54</u>	<u>52</u>
P20						<u>57</u>	<u>53</u>
						<u>60</u>	<u>53</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2263	2325
(B) First Initial Flow Pressure	53	70
(C) First Final Flow Pressure	21	40
(D) Initial Closed-in Pressure	42	60
(E) Second Initial Flow Pressure	21	55
(F) Second Final Flow Pressure	21	38
(G) Final Closed-in Pressure	42	53
(H) Final Hydrostatic Mud	2263	2295