

15-057-20010



10-25s-22w

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

Company Strata Drilling Co. Lease & Well No. Hornung #1  
Elevation 2411 Derrick Floor Formation Kansas City Effective Pay \_\_\_\_\_ Ft. Ticket No. 10820  
Date 5-18-68 Sec. 10 Twp. 25 Range 22 County Ford State Kansas  
Test Approved by Doug Marden Western Representative Leon Elmore

Formation Test No. 1 O.K.  Misrun \_\_\_\_\_ Interval Tested From 4169' to 4180' Total Depth 4180'  
Size Main Hole 7 7/8" Hole \_\_\_\_\_ Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No Conv.  B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes  No  
Packer Depth 4162 Ft. Size 6 3/4 Packer Depth 4169 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-XH Anchor Length 11 Ft. Size 5 1/200

RECORDERS Depth 4173 Ft. Clock No. 6799 Depth 4176 Ft. Clock No. 6897  
Top Make Kuster Cap. 4500 No. 3085 ~~Outside~~ Inside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside  
Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Outside Depth \_\_\_\_\_ Ft. Clock No. \_\_\_\_\_ Outside  
Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Outside

Time Set Packer \_\_\_\_\_ M  
Tool Open I.F.P. From 6:16 M. to 6:26 P.M. Hr. 10 Min. From (B) 43 P.S.I. To (C) 112 P.S.I.  
Tool Closed I.C.I.P. From 6:26 M. to 7:11 P.M. Hr. 45 Min. (D) 1349 P.S.I.  
Tool Open F.F.P. From 7:11 M. to 8:11 P.M. 1 Hr. Min. From (E) 143 P.S.I. To (F) 430 P.S.I.  
Tool Closed F.C.I.P. From 8:11 M. to 8:56 P.M. Hr. 45 Min. (G) 1286 P.S.I.  
Initial Hydrostatic Pressure (A) 2184 P.S.I. Final Hydrostatic Pressure (H) 2160 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_  
INFORMATION \_\_\_\_\_ M. \_\_\_\_\_  
\_\_\_\_\_ M. \_\_\_\_\_  
\_\_\_\_\_ M. \_\_\_\_\_

BLOW Good - thur out Bottom Choke Size 3/4 In.  
Did Well Flow \_\_\_\_\_ Yes  No \_\_\_\_\_ Recovery Total Ft. 820 feet total: 190 feet muddy water;  
630 feet salt water.

Reversed Out \_\_\_\_\_ Yes  No \_\_\_\_\_ Mud Type Starch Viscosity 43 Weight 10 Water Loss 14 cc. Maximum Temp. 109 °F  
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size 4 1/200 Make WTC Ser. No. 408  
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Yes Did Packer Hold? Yes Where? \_\_\_\_\_  
Length Drill Pipe 3113 I.D. Drill Pipe 3.8 in. Length Weight Pipe 815 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 210 ft.  
I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 42 ft.

Remarks \_\_\_\_\_

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 5-18-68 Test Ticket No. 10820  
 Recorder No. 3085 Capacity 4500 Location 4173 Ft.  
 Clock No. 6799 Elevation 2411 Derrick Floor Well Temperature 109 °F

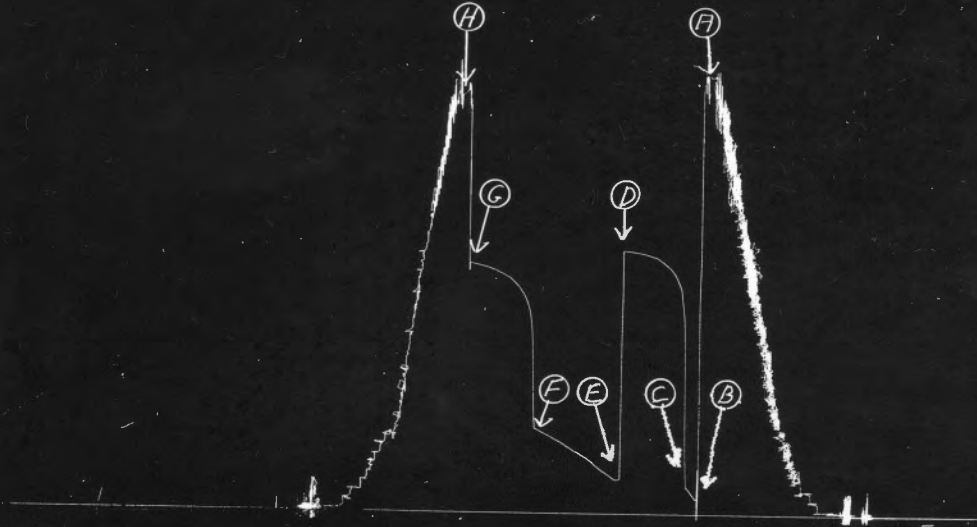
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2184</u>	P.S.I.	<u>6:16 P.M.</u>	
B First Initial Flow Pressure	<u>43</u>	P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>112</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1349</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>143</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>430</u>	P.S.I.		
G Final Closed-in Pressure	<u>1286</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2160</u>	P.S.I.		

**PRESSURE BREAKDOWN**

Point	First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Mins.	Press.	Minutes	Press.	Minutes	Press.	Minutes	Press.
P 1	<u>0</u>	<u>43</u>	<u>0</u>	<u>112</u>	<u>0</u>	<u>143</u>	<u>0</u>	<u>430</u>
P 2	<u>5</u>	<u>76</u>	<u>3</u>	<u>1048</u>	<u>5</u>	<u>150</u>	<u>3</u>	<u>937</u>
P 3	<u>10</u>	<u>112</u>	<u>6</u>	<u>1159</u>	<u>10</u>	<u>184</u>	<u>6</u>	<u>1060</u>
P 4			<u>9</u>	<u>1215</u>	<u>15</u>	<u>217</u>	<u>9</u>	<u>1117</u>
P 5			<u>12</u>	<u>1252</u>	<u>20</u>	<u>246</u>	<u>12</u>	<u>1152</u>
P 6			<u>15</u>	<u>1273</u>	<u>25</u>	<u>275</u>	<u>15</u>	<u>1180</u>
P 7			<u>18</u>	<u>1291</u>	<u>30</u>	<u>298</u>	<u>18</u>	<u>1201</u>
P 8			<u>21</u>	<u>1302</u>	<u>35</u>	<u>322</u>	<u>21</u>	<u>1215</u>
P 9			<u>24</u>	<u>1314</u>	<u>40</u>	<u>351</u>	<u>24</u>	<u>1228</u>
P10			<u>27</u>	<u>1321</u>	<u>45</u>	<u>375</u>	<u>27</u>	<u>1243</u>
P11			<u>30</u>	<u>1326</u>	<u>50</u>	<u>399</u>	<u>30</u>	<u>1251</u>
P12			<u>33</u>	<u>1330</u>	<u>55</u>	<u>413</u>	<u>33</u>	<u>1259</u>
P13			<u>36</u>	<u>1335</u>	<u>60</u>	<u>430</u>	<u>36</u>	<u>1265</u>
P14			<u>39</u>	<u>1339</u>			<u>39</u>	<u>1270</u>
P15			<u>42</u>	<u>1344</u>			<u>42</u>	<u>1277</u>
P16			<u>45</u>	<u>1349</u>			<u>45</u>	<u>1286</u>
P17								
P18								
P19								
P20								

STRATA DRILG. CO.  
HORNUNG #1

T.K.T 10820  
TEST #1



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	2303	2184	PSI
(B) First Initial Flow Pressure .....	47	43	PSI
(C) First Final Flow Pressure .....	113	112	PSI
(D) Initial Closed-in Pressure .....	1349	1349	PSI
(E) Second Initial Flow Pressure .....	143	143	PSI
(F) Second Final Flow Pressure .....	430	430	PSI
(G) Final Closed-in Pressure .....	1291	1286	PSI
(H) Final Hydrostatic Mud .....	2189	2160	PSI



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P. O. Box 793 (316) 793-7903

Company **Strata Drilling Company** Lease & Well No. **Horning #1**  
Elevation **2411 Derrick Floor** Formation **Mississippian** Effective Pay \_\_\_\_\_ Ft. Ticket No. **10824**  
Date **5-23-68** Sec. **10** Twp. **25** Range **22** County **Ford** State **Kansas**  
Test Approved by **Doug Harden** Western Representative **Leon Elmore**

Formation Test No. **2** O.K.  Misrun \_\_\_\_\_ Interval Tested From **4758'** to **4808'** Total Depth **4806'**  
Size Main Hole **7 7/8** Rat Hole \_\_\_\_\_ Conv.  B.T. \_\_\_\_\_ Damaged Yes  No Conv.  B.T. \_\_\_\_\_ Damaged Yes  No  
Packer Depth **4853** Ft. Size **6 3/4** Packer Depth **4758** 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-XH** Anchor Length **50** Ft. Size **31' D.P. 19'-5 1/2"**

RECORDERS Depth **4799** Ft. Clock No. **6897** Depth **4802** Ft. Clock No. **6799**  
Top Make **Kuster** Cap. **4500** No. **3085** Inside \_\_\_\_\_ Outside \_\_\_\_\_ Bottom Make **Kuster** Cap. **4400** No. **2603** Inside \_\_\_\_\_ Outside \_\_\_\_\_  
Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_  
Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_  
Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside \_\_\_\_\_ Outside \_\_\_\_\_

Time Set Packer **2:15** **A.** M  
Tool Open I.F.P. From **2:18** M. to **2:38 A.M.** Hr. **20** Min. From (B) **33** P.S.I. To (C) **33** P.S.I.  
Tool Closed I.C.I.P. From **2:38** M. to **3:23 A.M.** Hr. **45** Min. (D) **857** P.S.I.  
Tool Open F.F.P. From **3:23** M. to **3:53A.** M. Hr. **30** Min. From (E) **50** P.S.I. To (F) **50** P.S.I.  
Tool Closed F.C.I.P. From **3:53** M. to **4:53A.** M. **1** Hr. Min. (G) **697** P.S.I.  
Initial Hydrostatic Pressure (A) **2712** P.S.I. Final Hydrostatic Pressure (H) **2657** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_  
INFORMATION \_\_\_\_\_ M. \_\_\_\_\_  
\_\_\_\_\_ M. \_\_\_\_\_  
\_\_\_\_\_ M. \_\_\_\_\_

BLOW **Weak for 20 minutes** Bottom Choke Size **3/4** In.  
Did Well Flow Yes  No \_\_\_\_\_ Recovery Total Ft. **15 feet mud**

Reversed Out Yes  No \_\_\_\_\_ Mud Type **Starch** Viscosity **48** Weight **10.1** Water Loss **19** cc. Maximum Temp. **117** °F  
Type Circ. Sub. **Plug** Did Tool Plug? **No** Jars: Size **4 1/200** Make **NTC** Ser. No. **408**  
EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **Yes** Did Packer Hold? **Yes** Where? \_\_\_\_\_  
Length Drill Pipe **3736** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **815** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **210** ft.  
I. D. Drill Collars **2 1/4** in. Length D.S.T. Tool **48** ft.

Remarks \_\_\_\_\_

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date **5-23-68** Test Ticket No. **10824**  
 Recorder No. **3085** Capacity **4500** Location **4799** Ft.  
 Clock No. **6897** Elevation **2411** Well Temperature **117** °F

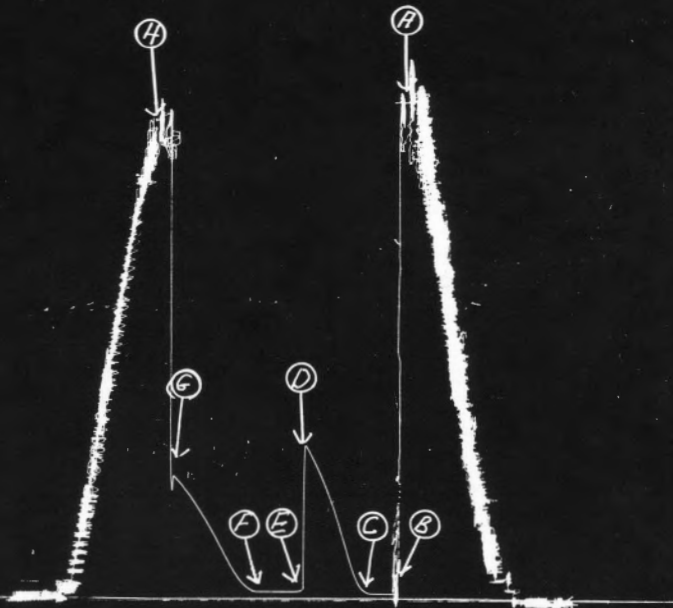
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<b>2712</b> P.S.I.	Opened Tool	<b>2:15 A.</b> M	
B First Initial Flow Pressure	<b>33</b> P.S.I.	First Flow Pressure	<b>20</b> Mins.	<b>20</b> Mins.
C First Final Flow Pressure	<b>33</b> P.S.I.	Initial Closed-in Pressure	<b>45</b> Mins.	<b>45</b> Mins.
D Initial Closed-in Pressure	<b>857</b> P.S.I.	Second Flow Pressure	<b>30</b> Mins.	<b>30</b> Mins.
E Second Initial Flow Pressure	<b>50</b> P.S.I.	Final Closed-in Pressure	<b>60</b> Mins.	<b>59</b> Mins.
F Second Final Flow Pressure	<b>50</b> P.S.I.			
G Final Closed-in Pressure	<b>697</b> P.S.I.			
H Final Hydrostatic Mud	<b>2657</b> P.S.I.			

**PRESSURE BREAKDOWN**

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <b>4</b> Inc. of <b>5</b> mins. and a final inc. of _____ Min.		Breakdown: <b>15</b> Inc. of <b>3</b> mins. and a final inc. of _____ Min.		Breakdown: <b>6</b> Inc. of <b>5</b> mins. and a final inc. of _____ Min.		Breakdown: <b>19</b> Inc. of <b>3</b> mins. and a final inc. of <b>2</b> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>50</b>
P 2	<b>5</b>	<b>3</b>	<b>50</b>	<b>5</b>	<b>50</b>	<b>3</b>	<b>54</b>
P 3	<b>10</b>	<b>6</b>	<b>71</b>	<b>10</b>	<b>50</b>	<b>6</b>	<b>69</b>
P 4	<b>15</b>	<b>9</b>	<b>124</b>	<b>15</b>	<b>50</b>	<b>9</b>	<b>88</b>
P 5	<b>20</b>	<b>12</b>	<b>179</b>	<b>20</b>	<b>50</b>	<b>12</b>	<b>119</b>
P 6		<b>15</b>	<b>258</b>	<b>25</b>	<b>50</b>	<b>15</b>	<b>155</b>
P 7		<b>18</b>	<b>346</b>	<b>30</b>	<b>50</b>	<b>18</b>	<b>195</b>
P 8		<b>21</b>	<b>428</b>	<b>35</b>		<b>21</b>	<b>236</b>
P 9		<b>24</b>	<b>500</b>	<b>40</b>		<b>24</b>	<b>291</b>
P 10		<b>27</b>	<b>560</b>	<b>45</b>		<b>27</b>	<b>341</b>
P 11		<b>30</b>	<b>627</b>	<b>50</b>		<b>30</b>	<b>380</b>
P 12		<b>33</b>	<b>683</b>	<b>55</b>		<b>33</b>	<b>437</b>
P 13		<b>36</b>	<b>746</b>			<b>36</b>	<b>471</b>
P 14		<b>39</b>	<b>797</b>			<b>39</b>	<b>509</b>
P 15		<b>42</b>	<b>836</b>			<b>42</b>	<b>555</b>
P 16		<b>45</b>	<b>857</b>			<b>45</b>	<b>598</b>
P 17						<b>48</b>	<b>620</b>
P 18						<b>51</b>	<b>653</b>
P 19						<b>54</b>	<b>685</b>
P 20						<b>57</b>	<b>687</b>
						<b>59</b>	<b>697</b>

STRATA DRILG. CO.  
HORNUNG #1

T.K.T 10824  
TEST # 2



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	2716	2712	PSI
(B) First Initial Flow Pressure .....	35	33	PSI
(C) First Final Flow Pressure .....	35	33	PSI
(D) Initial Closed-in Pressure .....	862	857	PSI
(E) Second Initial Flow Pressure .....	47	50	PSI
(F) Second Final Flow Pressure .....	47	50	PSI
(G) Final Closed-in Pressure .....	699	697	PSI
(H) Final Hydrostatic Mud .....	2668	2657	PSI