

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. STALLINGS "A" 1

County HODGEMAN State KANSAS Date JULY 3, 1971

Formation Test No. 1 Total Depth 4375 Elev. _____

Interval Tested 4293 To 4375 Anchor Length 82'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 X.H.F.H. Size Packer 6 3/4

Mud Weight 9.2 Viscosity 42 Water Loss 20.8 c.c. Bottom Hole Temp. 112 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 10439

Length of Drill Collar 265 I. D. 2.25 Length Flexweight 682 I. D. 2.76

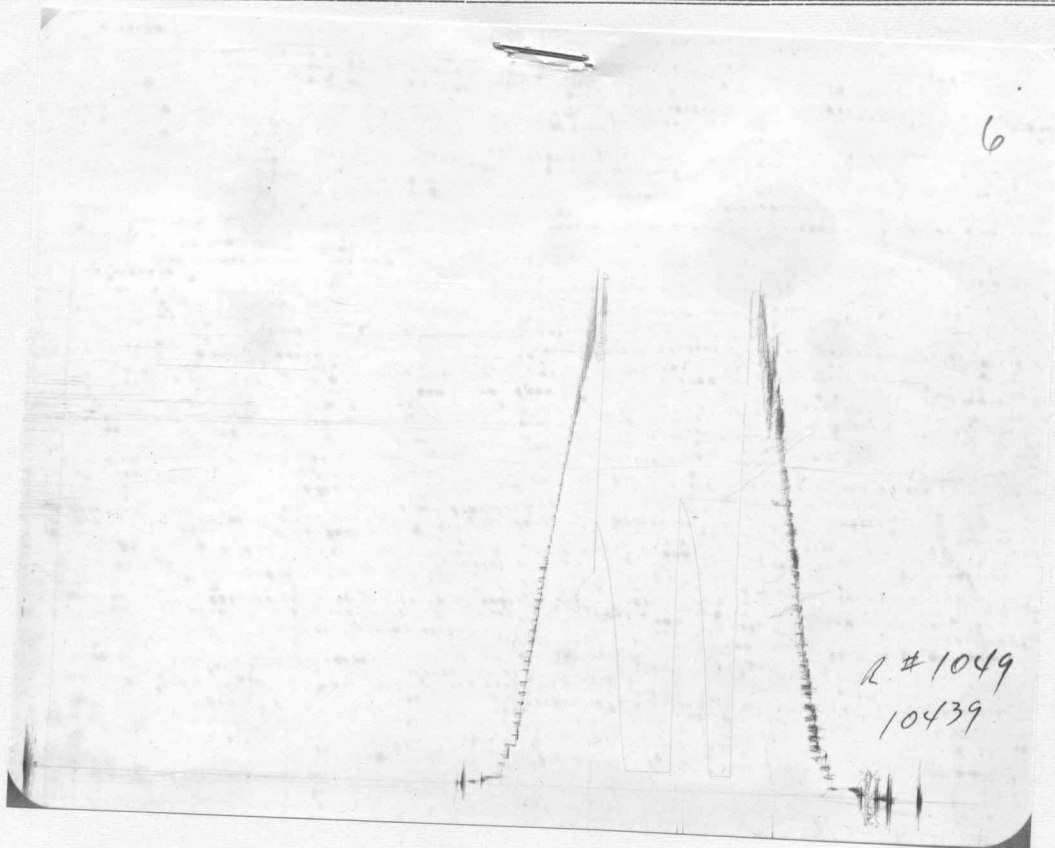
RECOVERY

VERY WEAK BLOW, DEAD IN 15 MINUTES.

20 FEET OF MUD.

Lease and Well No. STALLINGS "A" 1 33 22S 23W C NE SW

Formation Test No. 1



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2278</u>	<u>2269</u>
(B) Initial 1st Flow Pressure	<u>73</u>	<u>78</u>
(C) Final 1st Flow Pressure	<u>73</u>	<u>78</u>
(D) Initial Shut-in Pressure	<u>1390</u>	<u>1391</u>
(E) Initial 2nd Flow Pressure	<u>82</u>	<u>84</u>
(F) Final 2nd Flow Pressure	<u>82</u>	<u>84</u>
(G) Final Shut-in Pressure	<u>1244</u>	<u>1272</u>
(H) Final Hydrostatic Pressure	<u>2269</u>	<u>2242</u>

10439

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. STALLINGS "A" 1

County HODGEMAN State KANSAS Date JULY 4, 1971

Formation Test No. 2 Total Depth 4545 Elev. _____

Interval Tested 4495 To 4545 Anchor Length 50'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 X.H.F.H. Size Packer 6 3/4

Mud Weight 9.4 Viscosity 50 Water Loss 12 c.c. Bottom Hole Temp. 120 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 10440

Length of Drill Collar 265 I. D. 2.25 Length Flexweight 682 I. D. 2.76

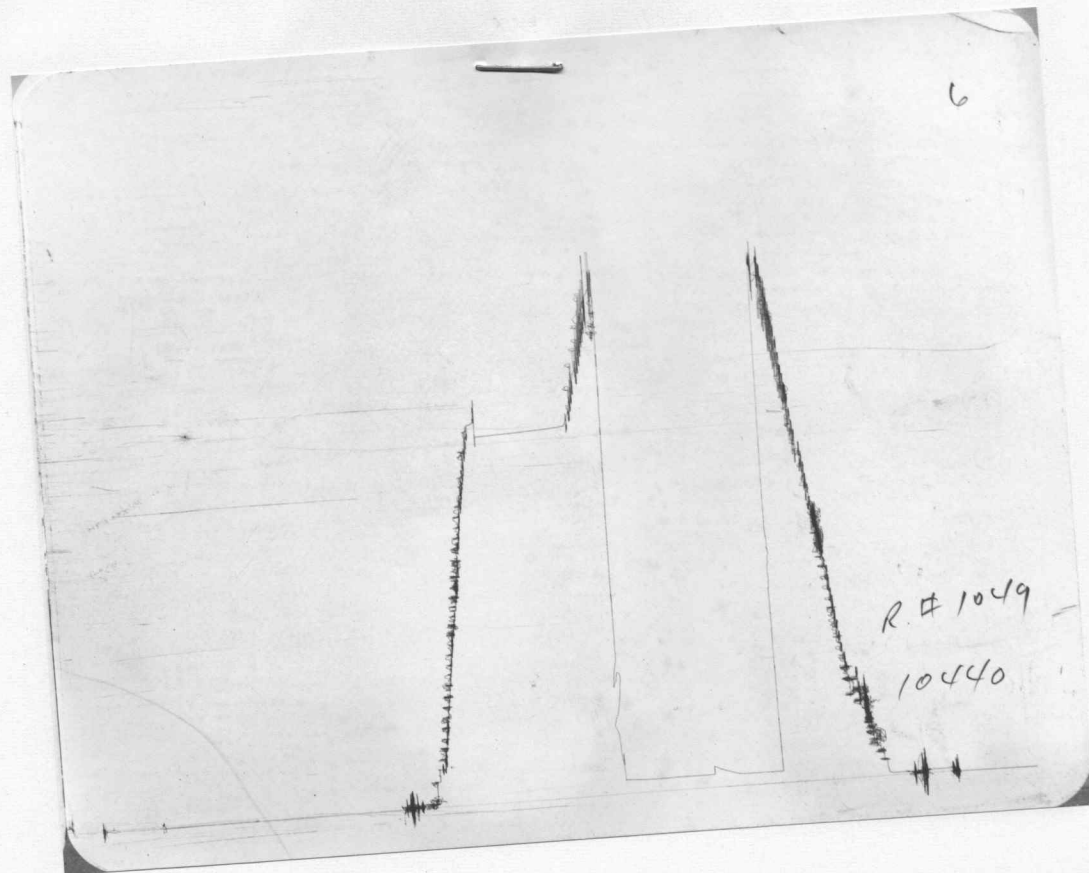
RECOVERY

WEAK BLOW, DEAD IN 10 MINUTES.

10 FEET OF MUD.

Lease and Well No. STALLINGS "A" 1 32 22S 23W C NE SW

Formation Test No. 2



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2599</u>	<u>2415</u>
(B) Initial 1st Flow Pressure	<u>55</u>	<u>55</u>
(C) Final 1st Flow Pressure	<u>55</u>	<u>55</u>
(D) Initial Shut-in Pressure	<u>105</u>	<u>101</u>
(E) Initial 2nd Flow Pressure	<u>60</u>	<u>58</u>
(F) Final 2nd Flow Pressure	<u>60</u>	<u>58</u>
(G) Final Shut-in Pressure	<u>68</u>	<u>64</u>
(H) Final Hydrostatic Pressure	<u>2580</u>	<u>2406</u>

10440

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. STALLINGS "A" 1

County HODGEMAN State KANSAS Date JULY 5, 1971

Formation Test No. 3 Total Depth 4572 Elev. _____

Interval Tested 4547 To 4572 Anchor Length 25'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 X.H.F.H. Size Packer 6 3/4

Mud Weight 9.4 Viscosity 45 Water Loss 12.4 c.c. Bottom Hole Temp. 120 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 10441

Length of Drill Collar 265 I. D. 2.25 Length Flexweight 682 I. D. 2.76

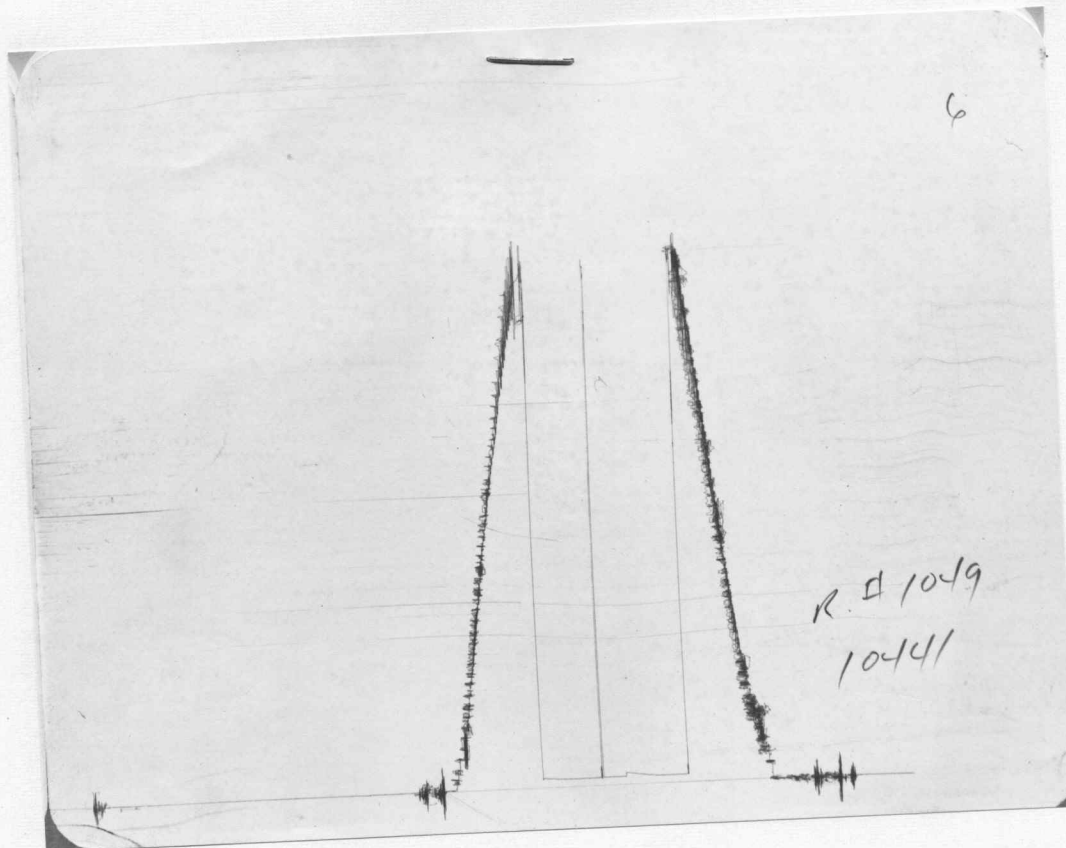
RECOVERY

WEAK BLOW FOR 8 MINUTES. FLUSHED TOOL 15 MINUTES AFTER
SECOND OPENING.

10 FEET OF MUD.

Lease and Well No. STALLINGS "A" 1 32 225 23W C NE SW

Formation Test No. 3



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 m

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2525</u>	<u>2425</u>
(B) Initial 1st Flow Pressure	<u>37</u>	<u>36</u>
(C) Final 1st Flow Pressure	<u>37</u>	<u>36</u>
(D) Initial Shut-in Pressure	<u>55</u>	<u>55</u>
(E) Initial 2nd Flow Pressure	<u>41</u>	<u>36</u>
(F) Final 2nd Flow Pressure	<u>41</u>	<u>36</u>
(G) Final Shut-in Pressure	<u>46</u>	<u>46</u>
(H) Final Hydrostatic Pressure	<u>2507</u>	<u>2406</u>

10441

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. STALLINGS "A" 1

County HODGEMAN State KANSAS Date JULY 6, 1971

Formation Test No. 4 Total Depth 4589 Elev. _____

Interval Tested 4574 To 4589 Anchor Length 15'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 X.H.F.H. Size Packer 6 3/4

Mud Weight 9.4 Viscosity 45 Water Loss 12.4 c.c. Bottom Hole Temp. 126 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 10442

Length of Drill Collar 265 I. D. 2.25 Length Flexweight 682 I. D. 2.76

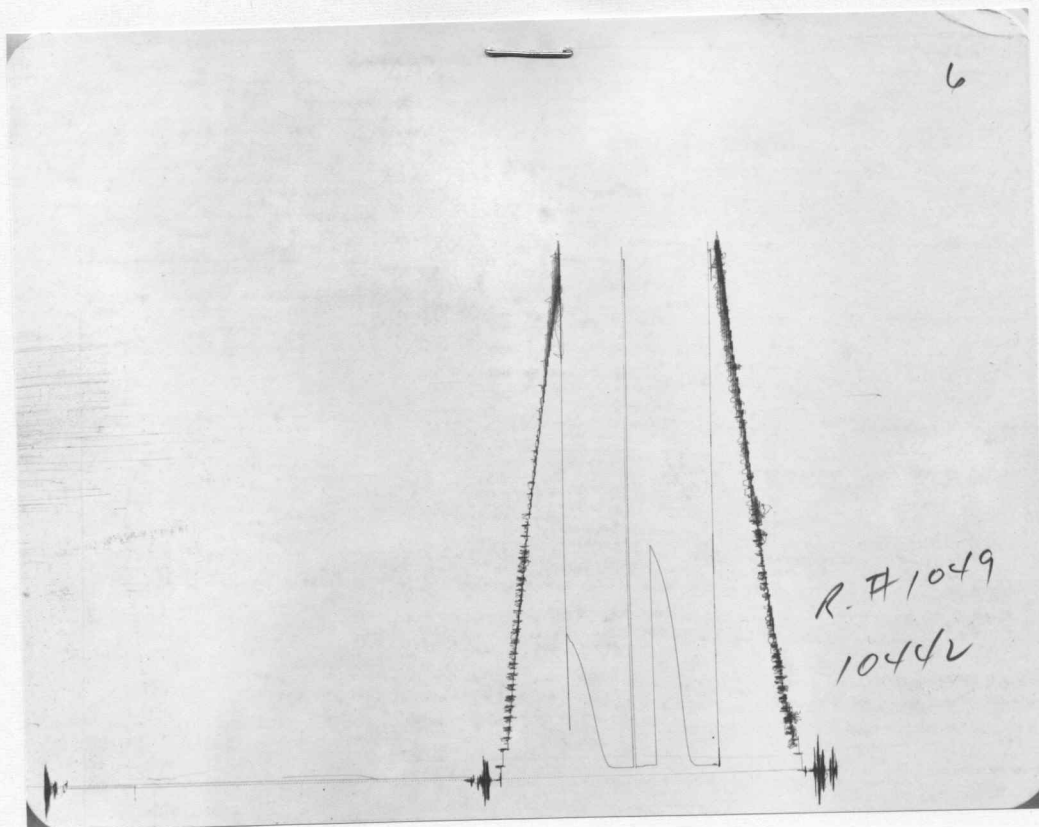
RECOVERY

WEAK BLOW FOR 15 MINUTES. FLUSHED TOOL 15 MINUTES AFTER
SECOND OPENING. NO BLOW.

15 FEET OF MUD WITH FEW OIL SPECKS IN TOOL.

Lease and Well No. STALLINGS "A" 1 32 22S 23W C NE SW

Formation Test No. 4



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2489</u>	<u>2415</u>
(B) Initial 1st Flow Pressure	<u>40</u>	<u>36</u>
(C) Final 1st Flow Pressure	<u>40</u>	<u>36</u>
(D) Initial Shut-in Pressure	<u>1089</u>	<u>1089</u>
(E) Initial 2nd Flow Pressure	<u>49</u>	<u>46</u>
(F) Final 2nd Flow Pressure	<u>37</u>	<u>36</u>
(G) Final Shut-in Pressure	<u>686</u>	<u>677</u>
(H) Final Hydrostatic Pressure	<u>2471</u>	<u>2415</u>

10442

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING, INC.

Lease and Well No. STALLINGS "A" 1

County HODGEMAN State KANSAS Date JULY 6, 1971

Formation Test No. 5 Total Depth 4598 Elev. 2287 K.B.

Interval Tested 4589 To 4598 Anchor Length 9'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 X.H.F.H. Size Packer 6 3/4

Mud Weight 9.4 Viscosity 45 Water Loss 10.4 c.c. Bottom Hole Temp. 124 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 10443

Length of Drill Collar 265 I. D. 2.25 Length Flexweight 682 I. D. 2.76

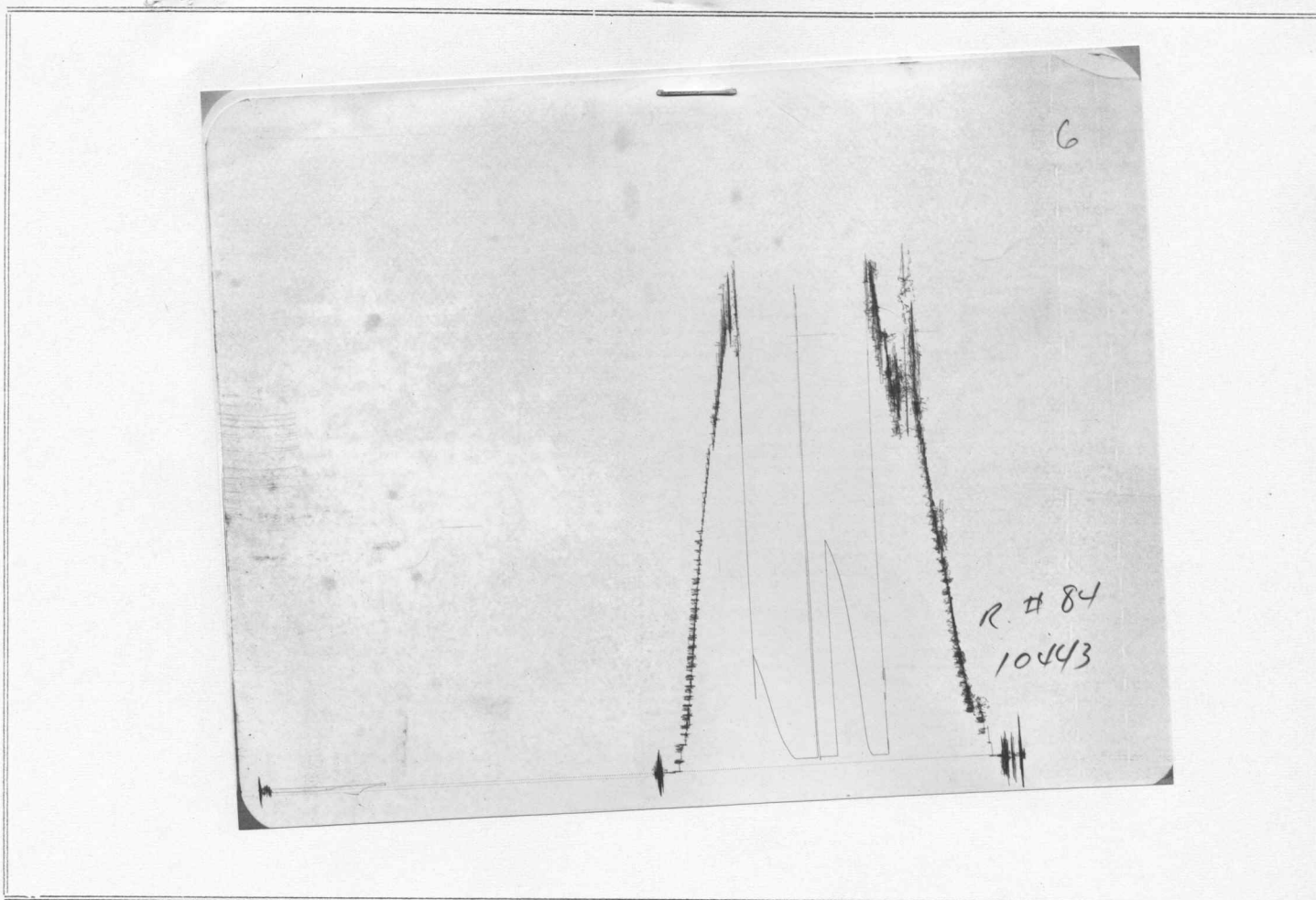
RECOVERY

WEAK BLOW FOR 10 MINUTES. FLUSHED TOOL 15 MINUTES AFTER
SECOND OPENING.

10 FEET OF MUD.

Lease and Well No. STALLINGS "A" 1 32 22S 23W C NE SW

Formation Test No. 5



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2525</u>	<u> </u>
(B) Initial 1st Flow Pressure	<u>32</u>	<u> </u>
(C) Final 1st Flow Pressure	<u>32</u>	<u> </u>
(D) Initial Shut-in Pressure	<u>1153</u>	<u> </u>
(E) Initial 2nd Flow Pressure	<u>37</u>	<u> </u>
(F) Final 2nd Flow Pressure	<u>37</u>	<u> </u>
(G) Final Shut-in Pressure	<u>577</u>	<u> </u>
(H) Final Hydrostatic Pressure	<u>2507</u>	<u> </u>

10443