

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING INC.

Lease and Well No. CLARK B-1

County GRAHAM State KANSAS Date MARCH 20, 1971

Formation Test No. 1 Total Depth 3885 Elev. 2542 K.B.

Interval Tested 3865 To 3885 Anchor Length 20'

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

Mud Weight 9.8 Viscosity 46 Water Loss 13.1 c.c. Bottom Hole Temp. 103 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11397

Length of Drill Collar _____ I. D. _____ Length Flexweight 787 I. D. 2.76

RECOVERY

WEAK BLOW THROUGHOUT TEST.

125 FEET OF THIN MUD WITH FEW OIL SPOTS IN TOP OF TOOL.

Lease and Well No. CLARK B-1 36 9S 25W SE NE NE

Formation Test No. 1

DATE MARCH 20, 1971

WELL NO. B-1

TEST NO. 1

TICKET NO. 11397

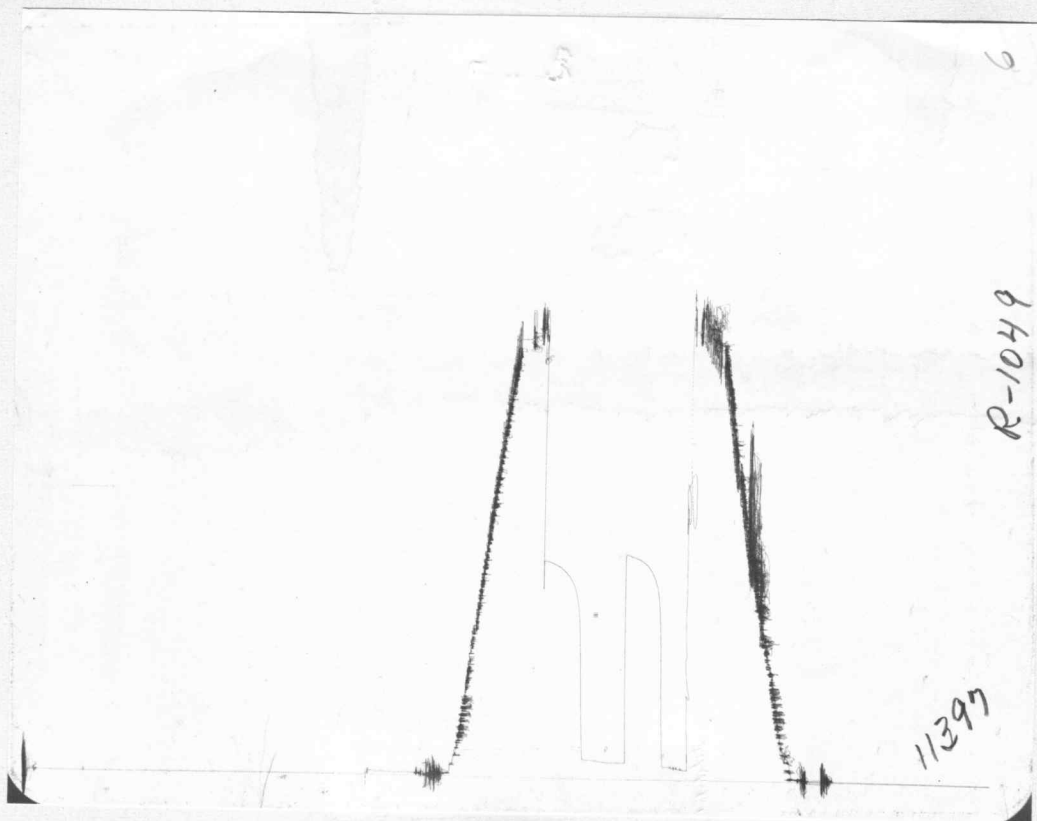
TOTAL DEPTH 3885

PACKER DEPTH 3865

BT. NO. 1049 DEPTH 3880

REMARKS

SPECIAL PRESSURE DATA



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>2040</u>	<u>2123</u>
(B) Initial 1st Flow Pressure	<u>36</u>	<u>46</u>
(C) Final 1st Flow Pressure	<u>45</u>	<u>60</u>
(D) Initial Shut-in Pressure	<u>1052</u>	<u>1071</u>
(E) Initial 2nd Flow Pressure	<u>75</u>	<u>80</u>
(F) Final 2nd Flow Pressure	<u>91</u>	<u>95</u>
(G) Final Shut-in Pressure	<u>1024</u>	<u>1034</u>
(H) Final Hydrostatic Pressure	<u>2027</u>	<u>2114</u>

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Lease and Well No. CLARK B-1

County GRAHAM State KANSAS Date MARCH 20, 1971

Formation Test No. 2 Total Depth 3905 Elev. 2542 K.B.

Interval Tested 3885 To 3905 Anchor Length 20'

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

Mud Weight 9.8 Viscosity 46 Water Loss 13.1 c.c. Bottom Hole Temp. 103 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11398

Length of Drill Collar I. D. Length Flexweight 787 I. D. 2.76

RECOVERY

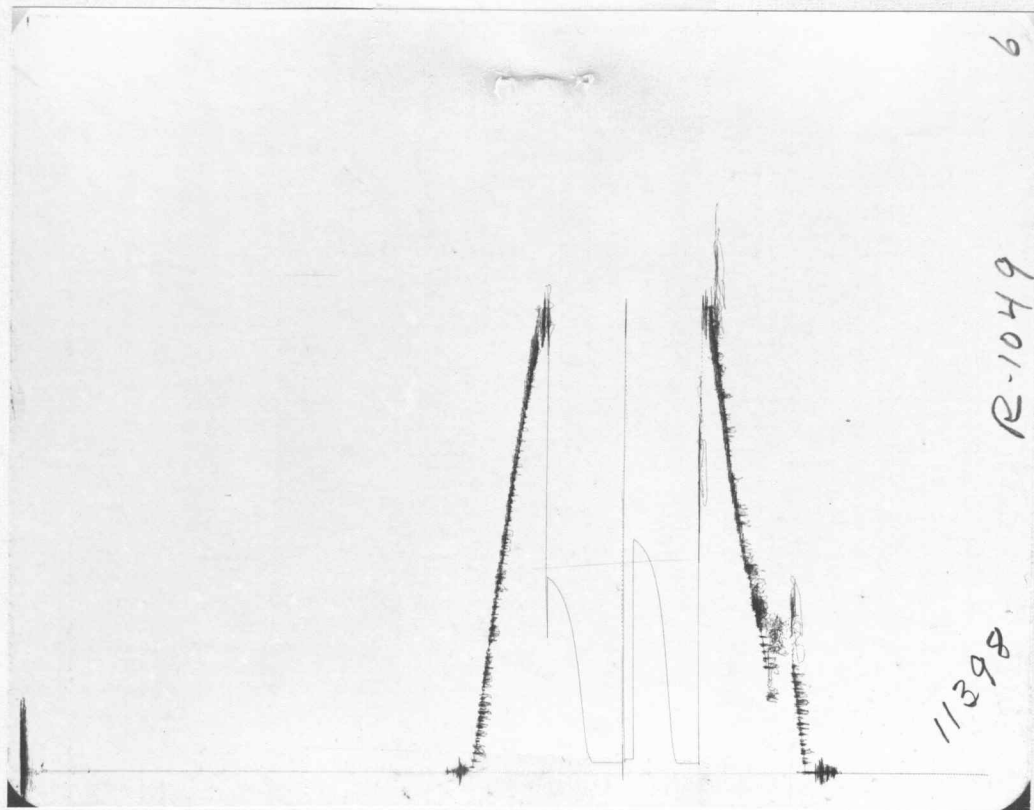
WEAK BLOW FOR 9 MINUTES. FLUSHED TOOL IN 5 MINUTES ON
SECOND OPENING. NO BLOW.

10 FEET OF MUD.

Lease and Well No. CLARK B-1 36 9S 25W SE NE NE

Formation Test No. 2

SPECIAL PRESSURE DATA



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>2159</u>	<u>2169</u>
(B) Initial 1st Flow Pressure	<u>45</u>	<u>49</u>
(C) Final 1st Flow Pressure	<u>45</u>	<u>49</u>
(D) Initial Shut-in Pressure	<u>1116</u>	<u>1120</u>
(E) Initial 2nd Flow Pressure	<u>54</u>	<u>64</u>
(F) Final 2nd Flow Pressure	<u>54</u>	<u>51</u>
(G) Final Shut-in Pressure	<u>924</u>	<u>943</u>
(H) Final Hydrostatic Pressure	<u>2150</u>	<u>2150</u>

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GREAT BEND, KANSAS

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Lease and Well No. CLARK B-1

County GRAHAM State KANSAS Date MARCH 21, 1971

Formation Test No. 3 Total Depth 3920 Elev. 2542 K.B.

Interval Tested 3908 To 3920 Anchor Length 12'

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

Mud Weight 9.8 Viscosity 46 Water Loss 13.1 c.c. Bottom Hole Temp. 104 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11399

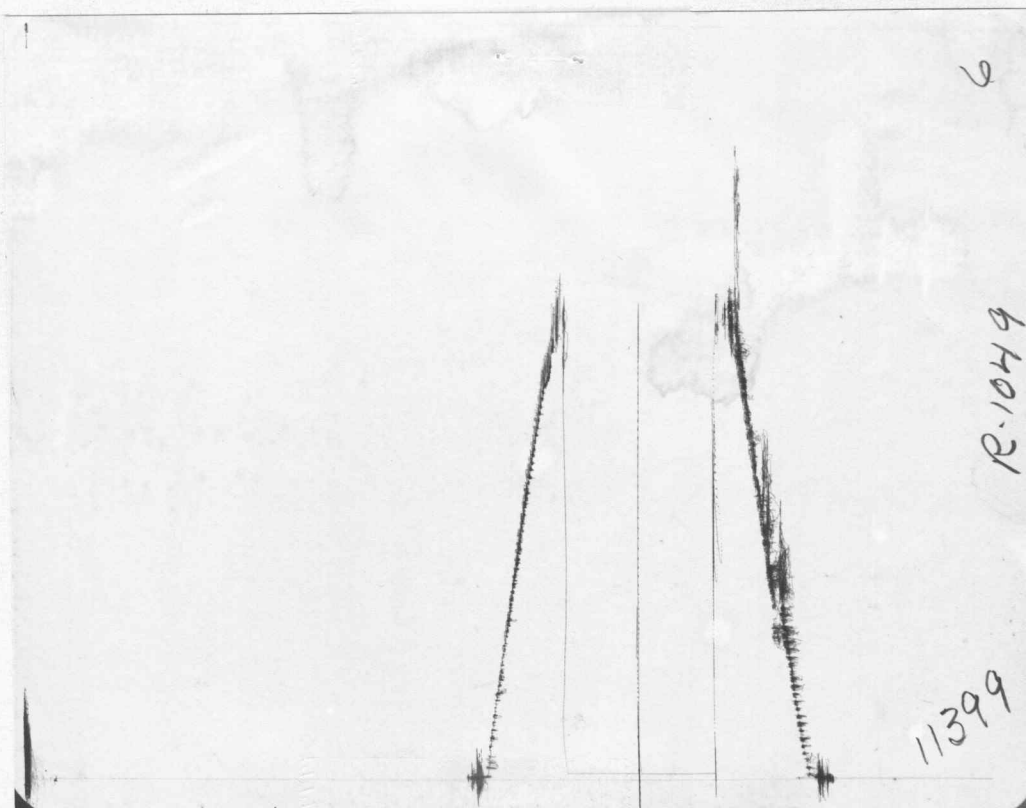
Length of Drill Collar I. D. Length Flexweight 787 I. D. 2.76

RECOVERY

WEAK BLOW FOR 5 MINUTES. FLUSHED TOOL IN 10 MINUTES ON
SECOND OPENING. NO BLOW.

10 FEET OF MUD.

Lease and Well No. CLARK B-1 36 9S 25W SE NE NE 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 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2159</u>	<u>2178</u>
(B) Initial 1st Flow Pressure	<u>34</u>	<u>31</u>
(C) Final 1st Flow Pressure	<u>34</u>	<u>31</u>
(D) Initial Shut-in Pressure	<u>34</u>	<u>31</u>
(E) Initial 2nd Flow Pressure	<u>34</u>	<u>31</u>
(F) Final 2nd Flow Pressure	<u>34</u>	<u>31</u>
(G) Final Shut-in Pressure	<u>34</u>	<u>31</u>
(H) Final Hydrostatic Pressure	<u>2148</u>	<u>2169</u>