

CONFIDENTIAL

MILLER TESTING COMPANY KCC

Box 547

GREAT BEND, KANSAS JUL 0 2 1972

36-158-18W
ORIGINAL

RECEIVED
JUL 13 1972
KCC-OKMHTA

Company A. SCOTT RITCHIE

CONFIDENTIAL

Lease and Well No. WERTH #1

County ELLIS State KANSAS

Date DEC 12, 1970

Formation Test No. 1 Total Depth 2927 Elev. 1900 KB
Interval Tested 2893 To 2927 Anchor Length 34'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
Mud Weight 10.3 Viscosity 42 Water Loss 11.3 c.c. Bottom Hole Temp. 98 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 10668
Length of Drill Collar I. D. Length Flexweight 1100 I. D. 2.76

RECOVERY

STRONG BLOW. GAS TO SURFACE IN 7 MINUTES.

GAUGED 139,000 CFPD IN 20 MINUTES ON FIRST OPENING.

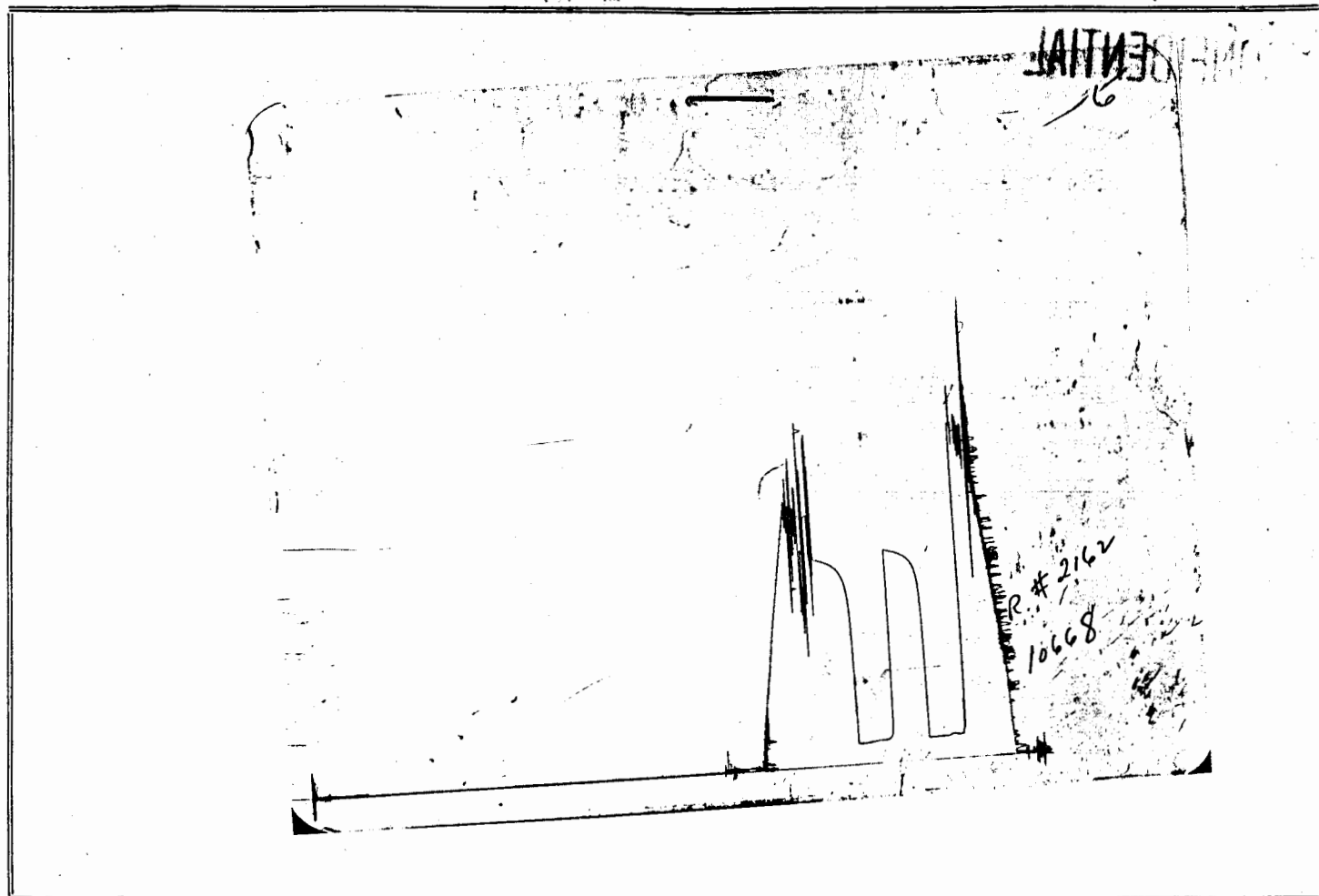
"	139,000	"	"	30	"	"	"	"
"	196,000	"	"	10	"	"	SECOND	"
"	168,000	"	"	20	"	"	"	"
"	139,000	"	"	30	"	"	"	"

60 FEET OF THIN GAS CUT MUD.

Lease and Well No. WERTH #1 36 15S 18W SE SW NE

Formation Test No. 1

Release
JUL 13 1972
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Tool Open: 1st Flow 30 hr. 30 mins: Shut-in Initial 30 hr. 30 min: 2nd Flow 30 hr. 30 min: Shut-in Final 30 hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1645</u>	<u>1636</u>
(B) Initial 1st Flow Pressure	<u>112</u>	<u>112</u>
(C) Final 1st Flow Pressure	<u>104</u>	<u>107</u>
(D) Initial Shut-in Pressure	<u>1038</u>	<u>1038</u>
(E) Initial 2nd Flow Pressure	<u>104</u>	<u>112</u>
(F) Final 2nd Flow Pressure	<u>95</u>	<u>104</u>
(G) Final Shut-in Pressure	<u>1021</u>	<u>1015</u>
(H) Final Hydrostatic Pressure	<u>1610</u>	<u>1470</u>

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GREAT BEND, KANSAS

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Company A. SCOTT RITCHIE

JUL 04 2002

Lease and Well No. WERTH #1

County ELLIS State KANSAS

CONFIDENTIAL

Date DEC 13, 1970

Formation Test No. 2 Total Depth 3062 Elev. 1900 KB

Interval Tested 3038 To 3062 Anchor Length 24'

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

Mud Weight 10.3 Viscosity 42 Water Loss 11.3 c.c. Bottom Hole Temp. 106 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 10434

Length of Drill Collar I. D. Length Flexweight 1050 I. D. 2.76

RECOVERY

VERY WEAK STEADY BLOW THROUGHOUT TEST.

15 FEET OF MUD.

Lease and Well No. WERTH #1 36 15S 18W S3 SW NE

Formation Test No. 2

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From
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AITA

R-2774

10434

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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1666</u>	<u>1645</u>
(B) Initial 1st Flow Pressure	<u>11</u>	<u>20</u>
(C) Final 1st Flow Pressure	<u>11</u>	<u>20</u>
(D) Initial Shut-in Pressure	<u>23</u>	<u>27</u>
(E) Initial 2nd Flow Pressure	<u>11</u>	<u>25</u>
(F) Final 2nd Flow Pressure	<u>11</u>	<u>25</u>
(G) Final Shut-in Pressure	<u>45</u>	<u>68</u>
(H) Final Hydrostatic Pressure	<u>1612</u>	<u>1634</u>

10434

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MILLER TESTING COMPANY

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GREAT BEND, KANSAS

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Company A. SCOTT RITCHIE

Lease and Well No. WERTH #1

JUL 0 4 2002

County ELLIS

State KANSAS

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Date DEC 14, 1970

Formation Test No. 3 Total Depth 3263 Elev. 1900 KB
Interval Tested 3236 To 3263 Anchor Length 27'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 Size Packer 6 3/4
Mud Weight 10.2 Viscosity 38 Water Loss 14 c.c. Bottom Hole Temp. 100 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 11061
Length of Drill Collar I. D. Length Flexweight 1230 I. D. 2.76

RECOVERY

STRONG BLOW THROUGHOUT TEST. GAS TO SURFACE IN 28 MINUTES.

30 FEET OF SLIGHTLY OIL CUT MUD.
150 FEET OF SLIGHTLY OIL CUT WATERY MUD.
240 FEET OF SLIGHTLY OIL CUT SALT WATER.
300 FEET OF SALT WATER.

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Lease and Well No. WERTH #1 36 15S 18W SE SW NE

Formation Test No. 3

CONFIDENTIAL

R-1134

11061

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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1829</u>	<u>1777</u>
(B) Initial 1st Flow Pressure	<u>89</u>	<u>85</u>
(C) Final 1st Flow Pressure	<u>223</u>	<u>228</u>
(D) Initial Shut-in Pressure	<u>912</u>	<u>917</u>
(E) Initial 2nd Flow Pressure	<u>268</u>	<u>268</u>
(F) Final 2nd Flow Pressure	<u>334</u>	<u>340</u>
(G) Final Shut-in Pressure	<u>934</u>	<u>929</u>
(H) Final Hydrostatic Pressure	<u>1784</u>	<u>1750</u>

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Company A. SCOTT RITCHIE

JUL 0 4 2002

Lease and Well No. WERTH #1

County ELLIS

State KANSAS

CONFIDENTIAL

Date DEC 15, 1970

Formation Test No. <u>4</u>	Total Depth <u>3405</u>	Elev. <u>1900 KB</u>
Interval Tested <u>3344</u>	To <u>3405</u>	Anchor Length <u>61'</u>
Size Hole <u>7 7/8</u>	Size Drill Pipe <u>4 1/2 FH</u>	Size Packer <u>6 3/4</u>
Mud Weight <u>10.2</u>	Viscosity <u>41</u>	Water Loss <u>13.6</u> c.c.
		Bottom Hole Temp. <u>106</u> °F
Chokes: Top <u>1/2</u>	Bottom <u>1/2</u>	Ticket No. <u>11140</u>
Length of Drill Collar _____	I. D. _____	Length Flexweight <u>1050</u>
		I. D. <u>2.76</u>

RECOVERY

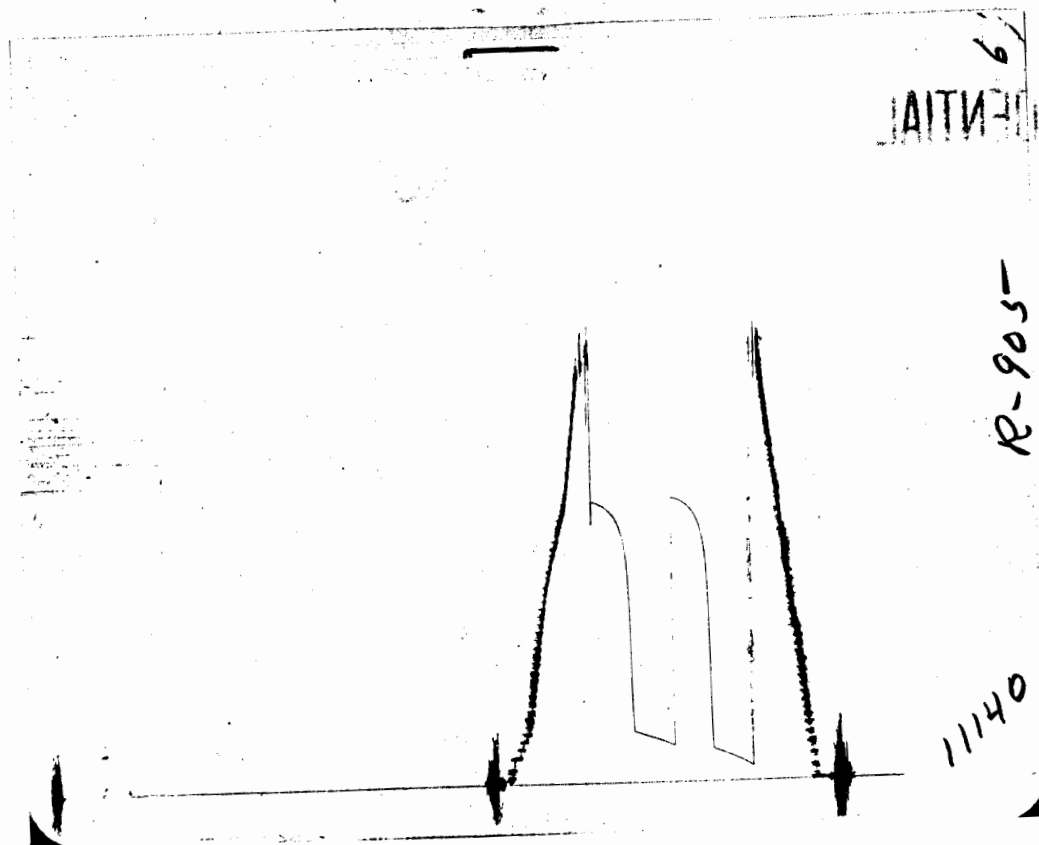
FAIR TO STEADY BLOW THROUGHOUT TEST.

350 FEET OF MUDDY WATER TURNING TO NEARLY CLEAR.

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Lease and Well No. WERTH #1 36 15S 18W SE SW NE

Formation Test No. 4



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	1887	1904
(B) Initial 1st Flow Pressure	63	65
(C) Final 1st Flow Pressure	136	141
(D) Initial Shut-in Pressure	1241	1241
(E) Initial 2nd Flow Pressure	153	162
(F) Final 2nd Flow Pressure	221	224
(G) Final Shut-in Pressure	1227	1229
(H) Final Hydrostatic Pressure	1870	1887

11140

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Company A. SCOTT RITCHIE

Lease and Well No. WERTH #1

JUL 0 4 2002

County ELLIS State KANSAS

CONFIDENTIAL

Date DEC 16, 1970

Formation Test No. 5 Total Depth 3457 Elev. 1900 KB
Interval Tested 3434 To 3457 Anchor Length 23'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
Mud Weight 10.2 Viscosity 41 Water Loss 13.6 c.c. Bottom Hole Temp. 108 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 11141
Length of Drill Collar I. D. Length Flexweight 1050 I. D. 2.76

RECOVERY

STRONG BLOW. GAS TO SURFACE IN 5 MINUTES AFTER SECOND OPENING.

80 FEET OF GAS CUT MUD.

60 FEET OF SLIGHTLY OIL AND GAS CUT MUD.

60 FEET OF VERY HEAVY OIL AND GAS CUT MUD.

180 FEET OF HEAVY GAS AND MUD CUT OIL.

Release

JUL 1 1971

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Lease and Well No. WERTH #1 36 15S 18W SE SW NE

Formation Test No. 5

101771

COMBID 101771

R-905

11141

Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 60 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1938</u>	<u>1947</u>
(B) Initial 1st Flow Pressure	<u>76</u>	<u>68</u>
(C) Final 1st Flow Pressure	<u>114</u>	<u>119</u>
(D) Initial Shut-in Pressure	<u>1037</u>	<u>1046</u>
(E) Initial 2nd Flow Pressure	<u>127</u>	<u>131</u>
(F) Final 2nd Flow Pressure	<u>170</u>	<u>170</u>
(G) Final Shut-in Pressure	<u>1122</u>	<u>1122</u>
(H) Final Hydrostatic Pressure	<u>1912</u>	<u>1938</u>

11141